2016-17

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Nature of the activity
		2016-2017		
1.	ISRO-RESPOND Research Project	Dr. S. Sridharan, Scientist –E & Ms. P Yashoda, Scientist –D, National Atmospheric Research Laboratory, Department of Space, GOI, GadankI	Dr.N.Padmaja	ISRO-RESPOND Research Project
2.	Technology Transfer & Commercialization Activities	Nanosniff Technologies Pvt. Ltd. F-14, IITB Research Park, IIT Bombay, Powai, Mumbai – 76 Phone: +91 (22) 2572 1090	Dr.V.R.Anitha	Research
3.	Research Project "Design and Development of Micro Cantilever Based Biosensor for early detection of High Risk Human Papilloma Virus	Dr. K S Raj Kumar, KG Hospital, 5, Government Arts College Road, Coimbatore, Tamil Nadu 641018, Coimbatore, Tamil Nadu 641018	Dr.V.R.Anitha	Research through field trials
4.	Technical Collaboration for Project " Frequency Moduated Hearing Aid for elderly and disabled	Dr. B. Harinath M.B.B.S, M.S, DLO (ENT) Retired Principal and Professor of ENT, S V Medical college, Tirupati Andhra Pradesh:0877-2231099	Mr. K Ayyappa Swamy, Dr.N.Padmaja	Technical Collaboration
5.	Industrial Visit to NARL (National Atmospheric Research lab)	Director, NARL, Gadanki, Chitoor dt., Andhra Pradesh	Dr M Sravanan , EIE Faculty and Students	Industrial Visit
6.	Knowledge sharing provides support and information on function of eye, disabilities and other medical information besides field/clinical trials.	Dr.S.Surendra Reddy,M.D.(AIIMS) Surendra Multispeciality Hospitals #2-287, Cherlopalli, Opp. Thati thopu Tirupati – 517 505. 09666279902	Dr.V.R.Anitha	Research project
7.	International Conference on Recent Trends in Computing and Information Technology, pp. 58	Ms. M. Kavitha Jayamatha Engineering College, Nagercoil, Tamil Nadu jayamathacollege@yahoo.com (04652) 263440	Mr V Saravana Kumar	Research
8.	International Conference on Advanced Information and Communication Technology	Dr.V.Kavitha University College of Engineering Kanchipuram ucekdean@gmail.com 044-27277240	Dr.K G Suma	Research
9.	Technical Program Committee member and Reviewer	International symposium on signal processing and intelligent recognition systems SIRS'17, WCI-2017 Email: acn.conference@gmail.com	Dr.N.Padmaja	Research
10.	Joint research publications for paper entitled "Design, Simulation and Fabrication of Log Periodic Triangular Microstrip patch Antenna Array", "International Journal of Control Theory and Applications"	Dr.R. Karthik, Professor, Dept.of ECE, MLR Institute of Technology Dundigal,Hyderabad-500047 INDIA e-mail : karthik.r@mlrinstitutions.ac.in	Sai Rajanarendra	Research
11.	Joint Research Publication: "Characterization of Tamarind Fruit Fibers TamarindusIndica as Potential Alternate for Man-made Vitreous Fibers in polymercomposites" International Conference on Advancement in PolymericMaterials	R. Edwin Raj, St. Xavier's Catholic College of Engineering, Nagercoil, redwinraj@gmail.com, #9442054535, S. Indrani Rohini College of Engineering and Technology, Anjugramam, indransdesign@gmail.com	J. S. Binoj	Research
12.	Joint Research Publication: "Prediction and optimization of process variables	Thirumalai, V. Annamalai University, Tamilnadu, tkumarasamy412@gmail.com, #9894319865,	S. Sree Sabari,	Research

	to maximize the Young's modulus of plasma sprayed alumina coatings on AZ31B magnesium alloy", Journal of Magnesium and Alloys.	Balasubramanian viswabalu@yahoo.com, #9443412249		
13.	Joint Research Publication: "Comparison of Artificial Neural Networks (ANN) and Response Surface Methodology (RSM) Modeling Approaches in Predicting the Deposition Efficiency of Plasma Sprayed Alumina Coatings on AZ31B Magnesium Alloy", Journal of Advanced Microscopy Research Vol.	Thirumalai, V. Annamalai University, Tamilnadu, tkumarasamy412@gmail.com, #9894319865, Balasubramanian viswabalu@yahoo.com, #9443412249	S. Sree Sabari,	Research
14.	Joint Research Publication: "Recent Development of Laser Based Treatment on Titanium Alloys: From Coating to Treatment – A Review" International Journal of Engineering Research in Mechanical and Civil Engineering	Madhava Selvan Narayana Engg College, Gudur, madhavaselvan@gmail.com, . V, Ramesh Raju Santhiram Engg College, Nandyal, mrramesh2002@gmail.com, Sree Palanisamy D, Adhi College of Engg & Technology, Chennai	N.Manikandan	Research
15.	Research Publication	Ramya V, S.A.Engg College, Chennai, T.N, ramyasharma.v@gmail.com,9840112355, Brahma Raju K, bramharaju@yahoo.com	P Bhanuprakash	Research
16.	Joint Research Publication	Gopala Krishna JNTU Kakinada, dr.a.gopalakrishna@gmail.com,#8008652555,	R. L. Krupapakaran, T.Hariprasad,	Research
17.	Joint Research Publication: "Experimental studies on the performance of Thermal Energy Storage system by using Variable (Solar energy) Heat source", ICTARGET-2017	Meenakshi reddy, Pullareddy Engg. College, Kurnool. rmreddy123@gmail.com, #9000321874	T. Hariprasad, Krishnamachary. P. C.	Research
18.	Joint Research Publication: "Performance analysis of Homogeneous Charged Compression Ignition (HCCI) Engine with external mixture formation of different bio diesal fuels.", ICTARGET-2017	P. Moulali, Santhiram Engg college, Nandyal, moulalip20@gmail.com #9666117696	T. Hariprasad	Research
19.	Joint Research Publication: "Investigation on Ti6Al4V laser metal deposition using Taguchi based grey approach", Materials Today Proceedings	Ramesh Raju, Santhiram Engineering College, Nandyal, AP. mrramesh2002@gmail.com, Palanisamy, Adhi College of Engineering & Technology, Chennai, dpalanisamy.me@gmail.com, Arulkirubakaran, Mahabarathi Engineering College, Athur, T.N.	Manikandan N,	Research
20.	Joint Research Publication: "Machinability studies on CNC turning of PH stainless steel with Coated Inserts", Materials Today Proceedings	D.Palanisamy Adhi College of Engineering & Technology, Chennai, TN, dpalanisamy.me@gmail.com 8754152845.	Harikrishnana N.Manikandan	Research
21.	Joint Research Publication: "Microstructure Analysis and Evaluation of Mechanical Properties of Al 7075 GNP's Composites", Materials Today Proceedings	K. Brahma Raju, S.R.K.R. Engg College, Bhimavaram, A.P. bramharaju@yahoo.com, # 9849503522 Andhra University, Vishakapatnam, A.P, K.VenkataSubbaiah, drkvsau@yahoo.co.in	P. Bhanu Prakash N.ManiKandan	Research
22.	Joint Research Publication: "Effect of Textured Tools On Machining Of Ti-6al-4v Alloy Under Lubricant Condition", Materials Today Proceedings	Arulkirubakaran, Adhi College of Engineering & Technology, Chennai, TN. National Institute of Technology, Trichy, TN. arul.kirubakaranbe@gmail.com, V. Senthilkumar, vskumar@nitt.edu, S. Dinesh, sdineshme@gmail.com Santhiram Engineering	C. Velmurugan, N. Manikandan,	Research

		College, Nandyal, AP. Ramesh Raju		
23.	Joint Research Publication: "Optimization of Laser Metal Deposition Process Parameters Using Taguchi Based Grey Approach for Ti6Al4V Alloy Coating", International Conference on Advanced Functional Materials, (2017)	Ramesh Raju, Santhiram Engineering College, mrramesh2002@gmail.com, Nandyal, AP. Palanisamy D, Adhi College of Engineering & Technology, Chennai, dpalanisamy.me@gmail.com, Arul Kirubakaran Mahabarathi Engineering College, Athur, T.N.	N.Manikandan Sambath Kumar S	Research
24.	Joint Research Publication: "Application of Taguchi based Grey Method for Multi Aspects Optimization on CNC Turning of AlSi7 Mg", Materials Today Proceedings	K. Brahma Raju, S.R.K.R. Engg College, Bhimavaram, A.P. bramharaju@yahoo.com, # 9849503522 Andhra University, Vishakapatnam, A.P. K.VenkataSubbaiah drkvsau@yahoo.co.in	P. Bhanu rakish P.C.Krishnamachary, N. ManiKandan	Research
25.	Joint Research Publication: " Prediction of Performance Measures in Spark Erosion Machining of Haste Alloy Using Multiple Regression Analysis", International Conference on Advances in Engineering Management Sciences (ICAEMS-2017)	Ramesh Raju Santhiram Engineering College, Nandyal, mrramesh2002@gmail.com, 7981645215 Narayana Engineering College, Gudur, MadhavaSelvan madhavaselvan@gmail.com, 8072532559	N.Manikandan V, K. Lakshmi Kala	Research
26.	Joint Research Publication: "Investigations on Electrical Discharge Machining of Haste Alloy C276 Using Taguchi Approach", International Conference on Advanced Functional Materials, (2017)	Ramesh Raju, Santhiram Engineering College, Nandyal, AP. mrramesh2002@gmail.com, 7981645215, Palanisamy D Adhi College of Engineering & Technology, Chennai, TN. dpalanisamy.me@gmail.com, 8754152845 Arul kirubakaran D Mahabarathi Engg College, Athur	Manikandan N., , SambathKumar S, Bhanu Prakash P	Research
27.	Joint Research Publication: "Experimental Analysis on Machinability of PH Stainless Steel with Coated Tungsten Carbide Inserts", International Conference on Advanced Functional Materials, (2017)	D.Palanisamy Adhi College of Engineering & Technology, Chennai, TN. dpalanisamy.me@gmail.com, 8754152845	, A. Devaraju, S. Harikrishnan. N.Manikandan	Research
28.	Research Publication, ICAFM 2017	DrRamesh raju, D Palanisamy, Dr. Arulkirubakaran	N.ManiKandan	Research
29.	Research Publication: " Multi Objective Optimization on CNC Turning of Alsi7 Mg Using Taguchi Based Grey Approach", International Conference Advanced Functional Materials 2017	K. Brahma Raju S.R.K.R. Engg College, Bhimavaram, A.P. bramharaju@yahoo.com, # 9849503522 K.VenkataSubbaiah Andhra University, Vishakapatnam, A.P. drkvsau@yahoo.co.in, 9848063452	P. Bhanu Prakash, , P.C. Krishnamachary, N. ManiKandan	Research
30.	Research Publication: "Investigations on microstructure and Mechanical behavior of stir casted Al 7075 GNP composites", International Conference on Advanced Functional Materials, (2017)	K. Brahma Raju, S.R.K.R. Engg College, Bhimavaram, A.P. bramharaju@yahoo.com, 9849503522 K.VenkataSubbaiah Andhra University, Vishakapatnam, A.P. drkvsau@yahoo.co.in, 9848063452	P. Bhanu Prakash, , N.ManiKandan	Research
31.	Research Publication: "Experimental investigations on a VCR CIDI Engine with blend of methyl esters Palm stearin-diesel for performance and emissions", International Journal of Ambient Energy	Babu AR SVCET- CHITTOOR, Arbabu.1973@gmail.com, #944159173. Amba Prasad Rao G NIT WARANGAL gap@nitw.ac.in, #8332969315	, Amba Prasad Rao G,	Research
32.	Research Publication: "Optimization of Process Parameters of EDM Process Using Fuzzy Logic and Taguchi Methods for Improving Material Removal Rate and Surface Finish", Materials Today Proceedings	Nakka Nagaraju Annamacahrya Institute of Technology. Rajampet. Raju777@gmail.com, N.G. Ujwala ujwalagowry@gmail.com, 9052100010	Sadu Venkatesu and	Research
33.	Research Publication: Design,	M. Maduri Annamacahrya Institute of Technology.	SaduVenkatesu	Research

	Development And Performance Analysis Of Axial Flow Wind Turbine For Household Applications", Australian Journal of Basic and Applied	Rajampet. mummadimaduri@gmail.com, M. Maruthi Prasad aits.med.mmp@gmail.com, 9440475635		
34.	Joint Research Publication: "Design, Development, Analysis and comparison of instrumented Irradiation capsule", Transaction of Indian Institute of Metal	S. Murugan IGCAR, Kalpakam, murugan@igcar.gov.in, Rajesh Saxena, saxena@igcar.gov.in, 8489288849. S.Venugopal IIT Chennai, venu@iitm.ac.in	Sadu Venkatesh, ,	Research
35.	Joint Research Publication: "Vibrational Analysis of CNC machine spindle using LabVIEW", ICETEST'17	Mervin NIT Surathkal, merhertoma@gmail.com, 9481213227, Sreekanth S. Rao ssrcsr@gmail.com, 9448302579	G.V.V.S.Reddy Prasad, .A. Herbert,	Research
36.	Joint Research Publication: "Experimental studies on turning of aluminium 6351 – t6 Alloy under minimum quantity lubrication technique", i-manager's Journal on Mechanical Engineering	Venkata Ajay Kumar G. Annamacahrya Institute of Technology. Rajampet. ajay.ajay79@gmail.com, 9000875845	K.L.NARASIMHAMU	Research
37.	Joint Research Publication: "Experimental investigation and analysis of process parameters in abrasive jet machining of Ti-6Al-4V alloy, Materials Today Proceedings	K.Nagendra Prasad, D.john Basha, DVR & DHS. MIC College of Technology, Kanchikacherla, Vijayawada, info@mictech.ac.in 08678-273 623	K.C.Varaprasad	Research
38.	BIFAD: Bio-Inspired Anamaly Based HTTP-Flood Attack Detection- Journal Publication	Dr. A. Rama Mohan Reddy Professor of CSE, SVUCE, Tirupati, ramamohansvu@yahoo.com/ 9849045025 Dr. C. Shobha Bindu, Professor of CSE, JNTUA, Anantapuramu	Dr. K. K. Baseer	Research
39.	IJERCSE- Journal Publication	Dr. Ch. D. V. Subba Rao Professor of CSE, SVUCE, Tirupati, subbarao_chdv@hotmail.com	Mr. A. Srinivasulu	Research
40.	Journal Publication	Dr. A. Rama Mohan Reddy Professor of CSE, SVUCE, Tirupati, Dr. C. Shobha Bindu, JNTUA	Dr. K. K. Baseer	Research
41.	Research Front : CSI Communications (Book Chapter), Vol. 40, Issue. 12, pp. 13-17	Ms. C. ShobaBindu Jawaharlal Nehru Technological University, Anantapur, Anantapuramu 08554-27013	Mr.E.Sudheer Kumar	Research
42.	MSAM 2017 Technical Program Committee Member	MSAM 2017-Technical program committee(Second International conference on Modelling,Simulation and Applied Mathematics) Email: contact@atlantis-press.com	Dr.D.Leela Rani	Research
43.	Research - fabrication of Double-walled gate wrap around CNTFET	INUP, CENSE, IISC, Bangalore. office.cense@iisc.ac.in +91-80-2293 3276	Dr.P.Geetha	Research
44.	Research work (Publications, Joint Research Proposals)	Migyung.Cho, Tongmyong University, 428, Sinseon-ro, Nam-gu, Busan, Republic of Korea, 608-711. Email Id: mgcho@tu.ac.kr.	Dr.V.R.Anitha	Research
45.	fabrication of CNTs as biomarkers.	Dr.M.Meyyappan, Chief Scientist for Exploration Technology, NASA's Ames Research Center, California's Silicon Valley. meyya@orbit.arc.nasa.gov	Dr.P.Geetha	Research
46.	Research work (Publications, Joint Research Proposals, Exchange of students for projects)	Dr.Balamati Choudury, National Atmospheric Lab, CSIR, Bangalore. balamati@nal.res.in	Dr.V.R.Anitha	Research
47.	IETE Executive Committee member	Dr. TV C Sarma Scientist –F NARL, and Chairman IETE, Tirupati Phone:9441036330	Dr. N Padmaja	Activities of IETE
48.	Research work (Publications, Joint Research Proposals)	Jaesool Shim, School of Mechanical Engineering, Yeungnam University, 280, Daehak-ro, Gyeongsan-si, Gyeongsangbuk-do, South Korea, 712-749 Tel. +82 53 810 2587	Dr.V.R.Anitha	Research
49.	Editorial Member and Journal	International Journal of Scientific Research	Dr.N.Padmaja	Reviewer

	Reviewer	Organization (IJSRO) Mob: +91-9842921804 E-mail: editor@ijsro.com		
50.	Session Chair and Reviewer	International Conference On Advances In Computing ICACCI'16, , LNMIIT-Jaipur convenor.icacci@lnmiit.ac.in	Dr.N.Padmaja	Session Chair and Reviewer
51.	Committee Member	WCI-2017 Symposium	Dr.N.Padmaja	Research
52.	Journal Reviewer	Mr. P. Mondal Director International Knowledge Press, Europe, Asian Journal of Mathematics and Computer Research Email: ikp.prm@ikpress.info	Dr.N.Padmaja	Journal Reviewer
53.	Journal Publication	P. Parvathi Scientist/Engineer-SE National Atmospheric Research Laboratory (NARL), Gadanki, Tirupati. Phone No: 0877-2500650	G. Hema chandra Asst Prof, ECE, SVEC.	Research
54.	Internship	P. Parvathi Scientist/Engineer-SE National Atmospheric Research Laboratory (NARL), Gadanki, Tirupati. Phone No: 0877-2500650	V. Revathi M.Tech (CMS), ECE, SVEC	Internship
55.	Indonesian Journal of Electrical Engineering and Computer Science, Vol. 3, No. 2, pp. 446-452	Ms. B. Padmaja Jawaharlal Nehru Technological University, Hyderabad, Hyderabad principal.ceh@jntuh.ac.in	Dr. V.VRama Prasad	Research
56.	Artificial Intelligence and Evolutionary Computations in Engineering Systems, (Book Chapter- Springer Link),	Dr. A. Rama Mohan Reddy Sri Venkateswara University College of Engineering, Tirupati (+91-877-2289561 principal@svuce.edu.in)	Dr. M. Sunil Kumar	Research
57.	Research and Journal Publication	Lakshmi Haritha.M, Asst Professor, Dept. of CSE, BVCHS, Ananthapur	Kasarapu Ramani, Prof, CSE, SVEC	Research
58.	Research and Journal Publication	Lakshmi P, B Reddy Eswar, Dept. of CSE, BVCHS, Ananthapur	Kasarapu Ramani, Prof, CSE, SVEC	Research
59.	Research and Journal Publication	Dr. Dilli Babu, O Obulesu, Dept. of CSE, SVCET	Kasarapu Ramani, Prof, CSE, SVEC	Research
60.	Collaboration with XLr8Goap workshop	Ms.A.P.Aruna, Mr.Glenn's Robbinson, Dr.Nahum Goldmann	Dr. N.Pdmaja	Editorial Committee member
61.	Editorial Committee member	Dr.P.Prakasam Editor-in-Chief Journal of Signal Processing and Wireless Networks A peer-reviewed international journal website: www.jspwn.com Phone: 9789441919	Dr.N.Padmaja	Reviewer
62.	Reviewer	International Journal of Computers & Technology ijct@cirworld.com. Dr Gurdev Singh	Dr.D.Leela Rani	Research
63.	Presented a paper on "OPVD Based Video Steganography With High Capacity" in National conference on wireless communication systems	V. Komala Devi, Assistant Professor(part time), SV University, Tirupati Phone:7075842907	V. Navya	Research
64.	Presented a paper on "DOA Estimation Of Multipath Signals Using ULA Antennas"National conference on wireless communication systems	U.Somalatha, Assistant Professor, Vemu Engineering College, Phone:8142266752	V. Navya	Research
65.	Joint research publications", International Journal of Microwave Applications	G.Karthik Reddy Asst. Professor, Dept. Of ECE, MLRIT, Quthbullapur, Hyderabad, Telangana 500055 Mob.no : 9703454530	Sai Rajanarendra	Research
66.	Research	Sarathy Geotech & Engineering Services Pvt. Ltd., # 671, 6th C Main, 11th Cross, 3rd Phase, JP Nagar, Bangalore – 560078, Karnataka, INDIA.	K. C. RAJA SEKHAR P. RAJA SEKHAR	Research

67.	Research & Conference Paper publication	Prof.Allam Appa Rao, Chairman,NITTR Chennai Adivisor,IBCB Vishakapatanam apparaoallam@gmail.com	Dr.M.Naresh Babu	Research
68.	Research & Conference Paper publication	B.Eswara Reddy, Vice Principal, JNTU College of Engineering, Ananatapuramu Contact No:9866937766 Email:eswarcsejntua@gmail.com	P.Dhanalakshmi	Research
69.	Research & Conference Paper publication	B.Eswara Reddy, Vice Principal, JNTU College of Engineering, Ananatapuramu Contact No:9866937766 Email:eswarcsejntua@gmail.com	P.Dhanalakshmi	Research
70.	Journal	Dr.V.Bhoopathy, Madanapalle Instutute of Technology& science,Madanapalle	Dr.P.Siva Kumar	Research
71.	Joint Research Publication: "Bending of composites plates using CLPT", IPMMCM-2016	JNTU Kakinada (0884) 777-2000, (0884) 2300823 Principal_jntucek@yahoo.com	M. Gangaraju, S. Nageswara, V. V. Subbarao	Research
72.	International Journal of Advanced Research in Computer Science and Software Engineering,	Ms. K. V. Keerthi Jawaharlal Nehru Technological University, Anantapur, Anantapuramu principal.cea@jntuh.ac.in)	Ms. K. Vidyavathi	Research
73.	4th International Conference on Communications, Electrical, Electronics and Computer Engineering, Pune	Mr. P. SaiKiran KL University, Vijayawada 08554-2730313 principal.cea@jntua.ac.in)	Mr.K.Balaji	Research
74.	Indian Journal of Science and Technology, Vol. 9, Issue 43, pp. 1-5	Mr. P. SaiKiran KL University, Vijayawada O8554-27013 principal.cea@jntua.ac.in)	Mr.K.Balaji	Research
75.	Indian Journal of Science and Technology Vol. 9, Issue 27, pp.1-10	Dr. A. Rama Mohan Reddy Sri Venkateswara University College of Engineering, Tirupati (+91-877-2289561 principal@svuce.edu.in)	Mr. K. Munivara Prasad	Research
76.	International Journal of Computer Science and Information Technologies, Vol. 7, Issue 3, pp.1425-1434	Mr. M. HumeraKhanam Sri Venkateswara University College of Engineering, Tirupati	Mr. I. Reddy Sekhar Reddy	Research
77.	Editorial Board member, VLSI, Embedde systems and Signal Processing Technical Journal	Editorial Board, VLSI, Embedde systems and Signal Processing Technical Journal	Dr. N Padmaja	Research
78.	Research & Paper publication	V Pranava Bhargavi, Asst Professor, SVCET	G. Guruprasad	Research
79.	ISRO-RESPOND Research Project	Dr. S. Sridharan, Scientist –E & Ms. P Yashoda, Scientist –D National Atmospheric Research Laboratory Department of Space, GOI	Dr.N.Padmaja	Research Project
80.	Technology Transfer & Commercialization Activities	Nanosniff Technologies Pvt. Ltd. F-14, 1st Floor, IITB Research Park, Old CSE Building, IIT Bombay, Powai, Mumbai – 76, contact@ nanosniff.com	Dr.V.R.Anitha	Research
81.	Research Project "Design and Development of Micro Cantilever Based Biosensor for early detection of High Risk Human Papilloma Virus	Dr. K S Raj Kumar, KG Hospital, 5, Government Arts College Road, Coimbatore, Tamil Nadu 641018, Coimbatore, Tamil Nadu 641018 drgb@kggroup.com 0091422-2212121	Dr.V.R.Anitha	Research through field trials
82.	Technical Collaborationfor Project " Frequency Moduated Hearing Aid for elderly and disabled	Dr. B. Harinath M.B.B.S, M.S, DLO (ENT) Retired Principal and Professor of ENT, S V Medical college, Tirupati Andhra Pradesh, India.	Mr. K Ayyappa Swamy, Dr.N.Padmaja	Technical Collaboration
83.	Industrial Visit to NARL (National Atmospheric Research lab)	Director, NARL, Gadanki,Chitoor dt., Andhra Pradesh	Dr M Sravanan , EIE Faculty and Students	Industrial Visit
84.	Knowledge sharing provides support and information on function of eye, disabilities and other medical information besides field/clinical trials.	Dr.S.Surendra Reddy,M.D.(AIIMS) Surendra Multispeciality Hospitals Vitreo-Retinal Surgeon Surendra Hospitals #2-287, Cherlopalli, Opp. Thati thopu Tirupati – 517 505. 09666279902	Dr.V.R.Anitha	Research project
85.	International Conference on Recent Trends in Computing and Information Technology, pp. 58	Ms. M. Kavitha Jayamatha Engineering College, Nagercoil, Tamil Nadu jayamathacollege@yahoo.com (04652) 263440	Mr V Saravana Kumar	Research

86.	International Conference on Advanced Information and Communication Technology	Dr.V.Kavitha University College of Engineering Kanchipuram ucekdean@gmail.com 044-27277240	Dr.K G Suma	Research
87.	Technical Program Committee member and Reviewer	International symposium on signal processing and intelligent recognition systems SIRS'17, WCI-2017 Email: acn.conference@gmail.com	Dr.N.Padmaja	Research
88.	Research publication "Design, Simulation and Fabrication of Log Periodic Triangular Microstrip patch Antenna Array", "Int Journal of Control Theory and Applications", March 2017.	Dr.R. Karthik, Professor, Dept.of ECE, MLR Institute of Technology Dundigal,Hyderabad-500047 INDIA e-mail : karthik.r@mlrinstitutions.ac.in	Sai Rajanarendra	Research
89.	Joint Research Publication: "Characterization of Tamarind Fruit Fibers TamarindusIndica L) as Potential Alternate for Man-made Vitreous Fibers in polymercomposites" International Conference on Advancement in PolymericMaterials	R. Edwin Raj, St. Xavier's Catholic College of Engineering, Nagercoil, redwinraj@gmail.com, #9442054535, S. Indrani Rohini College of Engineering and Technology, Anjugramam, indransdesign@gmail.com	J. S. Binoj	Research
90.	Joint Research Publication: "Prediction and optimization of process variables to maximize the Young's modulus of plasma sprayed alumina coatings on AZ31B magnesium alloy", Journal of Magnesium and Alloys.	Thirumalai, V. Annamalai University, Tamilnadu, tkumarasamy412@gmail.com, #9894319865, Balasubramanian viswabalu@yahoo.com, #9443412249	S. Sree Sabari,	Research
91.	"Comparison of Artificial Neural Networks (ANN) and Response Surface Methodology (RSM) Modeling Approaches in Predicting the Deposition Efficiency of Plasma Sprayed Alumina Coatings on AZ31B Magnesium Alloy", Journal of Advanced Microscopy Research Vol.	Thirumalai, V. Annamalai University, Tamilnadu, tkumarasamy412@gmail.com, #9894319865, Balasubramanian viswabalu@yahoo.com, #9443412249	S. Sree Sabari,	Research
92.	Joint Research Publication: "Recent Development of Laser Based Treatment on Titanium Alloys: From Coating to Treatment – A Review" International Journal of Engg Research in Mechanical and Civil Engineering	Madhava Selvan Narayana Engineering College, Gudur, madhavaselvan@gmail.com, # 8072532559. V, Ramesh Raju Santhiram Engineering College, Nandyal, mrramesh2002@gmail.com, #7981645215 Sree Palanisamy D, Adhi College of Engineering & Tech	N.Manikandan	Research
93.	Research Publication	Ramya V, S.A.Engg College, Chennai, T.N, ramyasharma.v@gmail.com,9840112355, Brahma Raju K, bramharaju@yahoo.com,	P Bhanuprakash	Research
94.	Joint Research Publication	Gopala Krishna JNTU Kakinada, dr.a.gopalakrishna@gmail.com,#8008652555,	R. L. Krupapakaran, T.Hariprasad,	Research
95.	Joint Research Publication: "Experimental studies on the performance of Thermal Energy Storage system by using Variable (Solar energy) Heat source", ICTARGET	Meenakshi reddy, Pullareddy Engg. College, Kurnool. rmreddy123@gmail.com, #9000321874	T. Hariprasad, Krishnamachary. P. C.	Research
96.	Joint Research Publication: "Performance analysis of Homogeneous Charged Compression Ignition (HCCI) Engine with external mixture formation of different bio diesal fuels.", ICTARGET-2017	P. Moulali, Santhiram Engg college, Nandyal, moulalip20@gmail.com #9666117696	T. Hariprasad	Research
97.	Joint Research Publication: "Investigation on Ti6Al4V laser metal	Ramesh Raju, Santhiram Engineering College, Nandyal, AP. mrramesh2002@gmail.com,	Manikandan N,	Research

	deposition using Taguchi based grey approach", Materials Today Proceedings	7981645215. Palanisamy, Adhi College of Engineering & Technology, Chennai, TN. Arulkirubakaran, Mahabarathi Engineering College, Athur, T.N.		
98.	Joint Research Publication: "Machinability studies on CNC turning of PH stainless steel with Coated Inserts", Materials Today Proceedings	D.Palanisamy Adhi College of Engineering & Technology, Chennai, TN, dpalanisamy.me@gmail.com 8754152845.	Harikrishnana N.Manikandan	Research
99.	Joint Research Publication: "Microstructure Analysis and Evaluation of Mechanical Properties of Al 7075 GNP's Composites", Materials Today Proceedings	K. Brahma Raju, S.R.K.R. Engg College, Bhimavaram, A.P. bramharaju@yahoo.com, # 9849503522 Andhra University, Vishakapatnam, A.P, K.VenkataSubbaiah, drkvsau@yahoo.co.in	P. Bhanu Prakash N.ManiKandan	Research
100.	Joint Research Publication: "Effect of Textured Tools On Machining Of Ti-6al-4v Alloy Under Lubricant Condition", Materials Today Proceedings	Arulkirubakaran, Adhi College of Engineering & Technology, Chennai, TN. National Institute of Technology, Trichy, TN. arul.kirubakaranbe@gmail.com, V. Senthilkumar, vskumar@nitt.edu, S. Dinesh, sdineshme@gmail.com Santhiram Engineering College, Ramesh Raju mrramesh2002@gmail.com	C. Velmurugan, N. Manikandan,	Research
101.	Joint Research Publication: "Optimization of Laser Metal Deposition Process Parameters Using Taguchi Based Grey Approach for Ti6Al4V Alloy Coating", Int Con on Advanced Functional Materials, (2017)	Ramesh Raju, Santhiram Engineering College, mrramesh2002@gmail.com, , Nandyal, AP. Palanisamy D, Adhi College of Engineering & Technology, Chennai, TN, Arul Kirubakaran Mahabarathi Engineering College, Athur, T.N.	N.Manikandan Sambath Kumar S	Research
102.	Joint Research Publication: "Application of Taguchi based Grey Method for Multi Aspects Optimization on CNC Turning of AlSi7 Mg", Materials Today Proceedings	K. Brahma Raju, S.R.K.R. Engg College, Bhimavaram, A.P. bramharaju@yahoo.com, # 9849503522 Andhra University, Vishakapatnam, A.P. K.VenkataSubbaiah drkvsau@yahoo.co.in	P. Bhanu rakish P.C.Krishnamachary, N. ManiKandan	Research
103.	Joint Research Publication: " Prediction of Performance Measures in Spark Erosion Machining of Haste Alloy Using Multiple Regression Analysis", International Conference on Advances in Engineering Management Sciences	Ramesh Raju Santhiram Engineering College, Nandyal, mrramesh2002@gmail.com, 7981645215 Narayana Engineering College, Gudur, MadhavaSelvan madhavaselvan@gmail.com, 8072532559	N.Manikandan V, K. Lakshmi Kala	Research
104.	Joint Research Publication: "Investigations on Electrical Discharge Machining of Haste Alloy C276 Using Taguchi Approach", International Conference on Advanced Functional Materials, (2017)	Ramesh Raju, Santhiram Engineering College, Nandyal, AP. mrramesh2002@gmail.com, Palanisamy D Adhi College of Engineering & Technology, Chennai, TN. dpalanisamy.me@gmail.com, Arul kirubakaran D Mahabarathi Engineering College, Athur, T.N.	Manikandan N., , SambathKumar S, Bhanu Prakash P	Research
105.	Joint Research Publication: "Experimental Analysis on Machinability of PH Stainless Steel with Coated Tungsten Carbide Inserts", International Conference on Advanced Functional Materials, (2017)	D.Palanisamy Adhi College of Engineering & Technology, Chennai, TN. dpalanisamy.me@gmail.com, 8754152845	, A. Devaraju, S. Harikrishnan. N.Manikandan	Research
106.	Research Publication, ICAFM 2017	DrRamesh raju, D Palanisamy, Dr. Arulkirubakaran	N.ManiKandan	Research
107.	Joint Research Publication: " Multi Objective Optimization on CNC Turning of Alsi7 Mg Using Taguchi Based Grey Approach", Intl Conference on Advanced Functional Materials, (2017)	K. Brahma Raju S.R.K.R. Engg College, Bhimavaram, A.P. bramharaju@yahoo.com, # 9849503522 K.VenkataSubbaiah Andhra University, Vishakapatnam, A.P. drkvsau@yahoo.co.in, 9848063452	P. Bhanu Prakash, , P.C. Krishnamachary, N. ManiKandan	Research
108.	Joint Research Publication: "Investigations on microstructure and	K. Brahma Raju, S.R.K.R. Engg College, Bhimavaram, A.P. bramharaju@yahoo.com,	P. Bhanu Prakash, ,	Research

	Mechanical behavior of stir casted Al 7075 GNP composites", Int Con on Advanced Functional Materials, (2017)	9849503522 K.VenkataSubbaiah Andhra University, Vishakapatnam, A.P.	N.ManiKandan	
109.	Research Publication: "Experimental investigations on a VCR CIDI Engine with blend of methyl esters Palm stearin-diesel for performance and emissions", Int Jourl of Ambient Energy	Babu AR SVCET- CHITTOOR, Arbabu.1973@gmail.com, #944159173. Amba Prasad Rao G NIT WARANGAL gap@nitw.ac.in, #8332969315	, Amba Prasad Rao G,	Research
110.	Joint Research Publication: "Optimization of Process Parameters of EDM Process Using Fuzzy Logic and Taguchi Methods for Improving Material Removal Rate and Surface Finish", Materials Today Proceedings	Nakka Nagaraju Annamacahrya Institute of Technology. Rajampet. Raju777@gmail.com, N.G. Ujwala ujwalagowry@gmail.com, 9052100010	Sadu Venkatesu and	Research
111.	Research Publication: " Design, Development And Performance Analysis Of Axial Flow Wind Turbine For Household Applications", Australian Jour of Basic and Applied Sc	M. Maduri Annamacahrya Institute of Technology. Rajampet. mummadimaduri@gmail.com, M. Maruthi Prasad aits.med.mmp@gmail.com, 9440475635	SaduVenkatesu	Research
112.	"Design, Development, Analysis and comparison of instrumented Irradiation capsule", Transaction of Indian Institute of Metal	S. Murugan IGCAR, Kalpakam, murugan@igcar.gov.in, Rajesh Saxena, saxena@igcar.gov.in, 8489288849. S.Venugopal IIT Chennai, venu@iitm.ac.in	Sadu Venkatesh, ,	Research
113.	Joint Research Publication: "Vibrational Analysis of CNC machine spindle using LabVIEW", ICETEST'17	Mervin NIT Surathkal, merhertoma@gmail.com, 9481213227, Sreekanth S. Rao ssrcsr@gmail.com, 9448302579	G.V.V.S.Reddy Prasad, .A. Herbert,	Research
114.	Research Publication: "Experimental studies on turning of aluminium 6351 – t6 Alloy under minimum quantity lubrication technique", i-manager's Jour on Mech Engg	Venkata Ajay Kumar G. Annamacahrya Institute of Technology. Rajampet. ajay.ajay79@gmail.com, 9000875845	K.L.NARASIMHAMU	Research
115.	Joint Research Publication: "Experimental investigation and analysis of process parameters in abrasive jet machining of Ti-6Al-4V alloy, Materials Today Proceedings	K.Nagendra Prasad, D.john Basha, DVR & DHS. MIC College of Technology, Kanchikacherla, Vijayawada, info@mictech.ac.in 08678-273 623	K.C.Varaprasad	Research
116.	BIFAD: Bio-Inspired Anamaly Based HTTP-Flood Attack Detection- Journal Publication	Dr. A. Rama Mohan Reddy Professor of CSE, SVUCE, Tirupati, ramamohansvu@yahoo.com/ 9849045025 Dr. C. Shobha Bindu, Professor of CSE, JNTUA, Anantapuramu	Dr. K. K. Baseer	Research
117.	IJERCSE- Journal Publication	Dr. Ch. D. V. Subba Rao Professor of CSE, SVUCE, Tirupati, subbarao_chdv@hotmail.com	Mr. A. Srinivasulu	Research
118.	Journal Publication	Dr. A. Rama Mohan Reddy Professor of CSE, SVUCE, Tirupati, Dr. C. Shobha Bindu, Professor of CSE, JNTUA, Anantapuramu	Dr. K. K. Baseer	Research
119.	Research Front : CSI Communications (Book Chapter), Vol. 40, Issue. 12, pp. 13-17	Ms. C. ShobaBindu Jawaharlal Nehru Technological University, Anantapur, Anantapuramu 08554-27013	Mr.E.Sudheer Kumar	Research
120.	MSAM 2017 Technical Program Committee Member	MSAM 2017-Technical program committee(Second International conference on Modelling,Simulation and Applied Mathematics) Email: contact@atlantis-press.com	Dr.D.Leela Rani	Research
121.	Research - fabrication of Double-walled gate wrap around CNTFET	INUP, CENSE, IISC, Bangalore. office.cense@iisc.ac.in +91-80-2293 3276	Dr.P.Geetha	Research
122.	Research work (Publications, Joint Research Proposals)	Migyung.Cho, Tongmyong University, 428, Sinseon-ro, Nam-gu, Busan, Republic of Korea,	Dr.V.R.Anitha	Research

		608-711. Email Id: mgcho@tu.ac.kr.		
123.	fabrication of CNTs as biomarkers.	Dr.M.Meyyappan, Chief Scientist for Exploration Tech, NASA's Ames Research Center, California's Silicon Valley. meyya@orbit.arc.nasa.gov	Dr.P.Geetha	Research
124.	Research work (Publications, Joint Research Proposals, Exchange of students for projects)	Dr.Balamati Choudury, National Atmospheric Lab, CSIR, Bangalore. balamati@nal.res.in	Dr.V.R.Anitha	Research
125.	IETE Executive Committee member	Dr. TV C Sarma Scientist –F NARL, and Chairman IETE, Tirupati Phone:9441036330	Dr. N Padmaja	Activities of IETE
126.	Research work (Publications, Joint Research Proposals)	Jaesool Shim, School of Mechanical Engineering, Yeungnam University, 280, Daehak-ro, Gyeongsan-si, Gyeongsangbuk-do, South Korea	Dr.V.R.Anitha	Research
127.	Editorial Member and Journal Reviewer	International Journal of Scientific Research Organization (IJSRO) Mob: +91-9842921804 E-mail: editor@ijsro.com	Dr.N.Padmaja	Reviewer
128.	Session Chair and Reviewer	International Conference On Advances In Computing ICACCI'16, , LNMIIT-Jaipur convenor.icacci@lnmiit.ac.in	Dr.N.Padmaja	Session Chair and Reviewer
129.	Committee Member	WCI-2017 Symposium	Dr.N.Padmaja	Research
130.	Journal Reviewer	Mr. P. Mondal Director International Knowledge Press, Europe, Asian Journal of Mathematics and Computer Research Email: ikp.prm@ikpress.info	Dr.N.Padmaja	Journal Reviewer
131.	Journal Publication	P. Parvathi Scientist/Engineer-SE National Atmospheric Research Laboratory (NARL), Gadanki, Tirupati. Phone No: 0877-2500650	G. Hema Asst Prof, Dept. of ECE, SVEC, Tirupati.	Research
132.	Internship	P. Parvathi Scientist/Engineer-SE National Atmospheric Research Laboratory (NARL), Gadanki, Tirupati. Phone No: 0877-2500650	V. Revathi M.Tech (CMS), Dept. of ECE, SVEC, Tirupati	Internship
133.	Indonesian Journal of Electrical Engineering and Computer Science	Ms. B. Padmaja JNTU, Hyderabad, Hyderabad principal.ceh@jntuh.ac.in	Dr. V.VRama Prasad	Research
134.	Artificial Intelligence and Evolutionary Computations in Engineering Systems, (Book Chapter- Springer Link)	Dr. A. Rama Mohan Reddy Sri Venkateswara University College of Engineering, Tirupati (+91-877-2289561 principal@svuce.edu.in)	Dr. M. Sunil Kumar	Research
135.	Research and Journal Publication	Lakshmi Haritha.M, Asst Professor, Dept. of CSE, BVCHS, Ananthapur	K Ramani	Research
136.	Research and Journal Publication	Lakshmi P, B Reddy Eswar, Dept. of CSE, BVCHS, Ananthapur	K Ramani	Research
137.	Research and Journal Publication	Dr. Dilli Babu, O Obulesu, Dept. of CSE, SVCET	K Ramani	Research
138.	Collaboration with XLr8Goap workshop	Ms.A.P.Aruna, Mr.Glenn's Robbinson, Dr.Nahum Goldmann	Dr. N.Pdmaja	Editorial Committee member
139.	Editorial Committee member	Dr.P.Prakasam Editor-in-Chief Journal of Signal Processing and Wireless Networks A peer-reviewed international journal website: www.jspwn.com Phone: 9789441919	Dr.N.Padmaja	Reviewer
140.	Reviewer	International Journal of Computers & Technology ijct@cirworld.com. Dr Gurdev Singh	Dr.D.Leela Rani	Research
141.	Presented a paper on "OPVD Based Video Steganography With High Capacity" in National conference on wireless communication systems	V. Komala Devi, Assistant Professor(part time), SV University, Tirupati Phone:7075842907	V. Navya	Research
142.	Presented a paper on "DOA Estimation Of Multipath Signals Using ULA Antennas"National conference on	U.Somalatha, Assistant Professor, Vemu Engineering College, Phone:8142266752	V. Navya	Research

	wireless communication systems			
143.	Joint research publications", International Journal of Microwave Applications	G.Karthik Reddy Asst. Professor, Dept. Of ECE, MLRIT, Quthbullapur, Hyderabad, Telangana 500055 Mob.no : 9703454530	Sai Rajanarendra	Research
144.	Research	Sarathy Geotech & Engineering Services Pvt. Ltd., # 671, 6th C Main, 11th Cross, 3rd Phase, JP Nagar, Bangalore – 560078, Karnataka, INDIA.	K. C. RAJA SEKHAR P. RAJA SEKHAR	Research
145.	Research & Conference Paper publication	Prof.Allam Appa Rao, Chairman,NITTR Chennai Adivisor,IBCB Vishakapatanam	Dr.M.Naresh Babu	Research
146.	Research & Conference Paper publication	B.Eswara Reddy, Vice Principal, JNTU College of Engineering, Ananatapuramu	P.Dhanalakshmi	Research
147.	Research & Conference Paper publication	B.Eswara Reddy, Vice Principal, JNTU College of Engineering, Ananatapuramu	P.Dhanalakshmi	Research
148.	Journal	Dr.V.Bhoopathy, Madanapalle Instutute of Technology& science,Madanapalle	Dr.P.Siva Kumar	Research
149.	Joint Research Publication: "Bending of composites plates using CLPT", IPMMCM-2016	JNTU Kakinada (0884) 777-2000, (0884) 2300823 Principal_jntucek@yahoo.com	Nageswara, V. V. Subbarao, Y. V. Mohan Reddy	Research
150.	International Journal of Advanced Research in Computer Science and Software Engineering, Vol.6, Issue 11, pp. 143-147	Ms. K. V. Keerthi Jawaharlal Nehru Technological University, Anantapur, Anantapuramu principal.cea@jntuh.ac.in)	Ms. K. Vidyavathi	Research
151.	4th International Conference on Communications, Electrical, Electronics and Computer Engineering, Pune	Mr. P. SaiKiran KL University, Vijayawada 08554-2730313 principal.cea@jntua.ac.in)	Mr.K.Balaji	Research
152.	Indian Journal of Science and Technology, Vol. 9, Issue 43, pp. 1-5	Mr. P. SaiKiran KL University, Vijayawada O8554-27013 principal.cea@jntua.ac.in)	Mr.K.Balaji	Research
153.	Indian Journal of Science and Technology Vol. 9, Issue 27, pp.1-10	Dr. A. Rama Mohan Reddy Sri Venkateswara University College of Engineering, Tirupati (+91-877-2289561 principal@svuce.edu.in)	Mr. K. Munivara Prasad	Research
154.	International Journal of Computer Science and Information Technologies, Vol. 7, Issue 3, pp.1425-1434	Mr. M. HumeraKhanam Sri Venkateswara University College of Engineering, Tirupati (+91-877-2289561 principal@svuce.edu.in)	Mr. I. Reddy Sekhar Reddy	Research
155.	Editorial Board member, VLSI, Embedde systems and Signal Processing Technical Journal	Editorial Board, VLSI, Embedde systems and Signal Processing Technical Journal	Dr. N Padmaja	Research
156.	Research & Paper publication	V Pranava Bhargavi, Asst Professor, SVCET, Chittoor	G. Guruprasad	Research

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(Autonomous)

Sl. No.	Title of the collaborative activity	Name of the collaborating agency with contact details	Name of the participant	Nature of the activity
		2016-2017		
1	Project Work	Defence Research & Development Laboratory, Hyderabad	P. V. S. S. N. Sowmya (15121D6112)	Project Work
2	Internship	Adi Technologies, Bangalore	Mr. D. K. Jagadeesh	Internship
3	Internship	CGI, Bangalore	A Pavan Teja	Internship
4	Internship	CGI, Bangalore	D Devi	Internship
5	Internship	CGI, Bangalore	L Bhuvana	Internship
6	Internship	CGI, Bangalore	Tushara Reddy S	Internship
7	Internship	CGI, Bangalore	Veluru Manasa	Internship
8	Internship	CGI	GUNTUR VINEETHA	Internship
9	Internship	CGI	M HARI SAI	Internship
10	Internship	CGI	POTTURU MOUNIKA	Internship
11	Internship	CGI	RACHANA M	Internship
12	Internship	CGI	RADHA EEPURI	Internship
13	Internship	CGI	S DEDEEPYA	Internship
14	Internship	Adi Technologies, Hosur	Ms. Pavani Vemasani	Internship
15	Internship	APGENCO,RTPP, Kadapa	B. Harshitha	Internship
16	Internship	APGENCO,RTPP, Kadapa	G.Krishna Kavya	Internship
17	Internship	APGENCO,RTPP, Kadapa	D.Hoshitha	Internship
18	Internship	APGENCO,RTPP, Kadapa	K.Sree Vyshnavi	Internship
19	Internship	APGENCO,RTPP, Kadapa	O.Thanusri	Internship
20	Internship	APGENCO,RTPP, Kadapa	A.Ramya	Internship
21	Internship	APGENCO	B.Tejawini	Internship
22	Project	CGI	Bhargav Ravula	Project
23	Project	CGI	Y.Harsha Vardhan Reddy	Project
24	Internship	APGENCO, RTPP,Kadapa	K.Hema	Internship
25	Internship	South Central Railway, Tirupati	M.Sai Manoj	Internship
26	Internship	South Central Railway, Tirupati	M.Sumanth	Internship
27	Inplant Training	AIR FM Transmitter	P.Roopa	Inplant Training
28	Inplant Training	3I Techso Technologies Pvt.Ltd., Chennai	S.Keerthana	Inplant Training
29	Internship	Verzeo Edutech Pvt.Ltd.	K.Arun vardhan reddy	Internship
30	Internship	Edgerock Software Solutions Pvt. Ltd , Hyderabad, 500039, India, Phone:	Bhupalam Bharathkumar(14121F0001)	Internship

		040-67135321 | www.edgerocksol.com		
31	Internship	Nviera Technologies Pvt Ltd., Bangalore 560032 E-mail: info@nviera.com Tel: +91 80 23331727	Pundla Lavanya(14121F0045)	Internship
32	Internship	Nviera Technologies Pvt Ltd., Bangalore 560032 E-mail: info@nviera.com Tel: +91 80 23331727	B.V Kalyani (14121F0003)	Internship
33	Internship	Nviera Technologies Pvt Ltd., Bangalore 560032 E-mail: info@nviera.com Tel: +91 80 23331727	Gundlapalle Brahmani (14121F0018)	Internship
34	Internship	Nviera Technologies Pvt Ltd., Bangalore 560032 E-mail: info@nviera.com Tel: +91 80 23331727	M. Mohan (14121F0028)	Internship
35	Internship	Nviera Technologies Pvt Ltd., Bangalore 560032 E-mail: info@nviera.com Tel: +91 80 23331727	Velakaturi Lakshmi Prasad (14121F0062)	Internship
36	Internship	Nviera Technologies Pvt Ltd., Bangalore 560032 E-mail: info@nviera.com Tel: +91 80 23331727	Thayyuru Babu Prakash (14121F0058)	Internship
37	Internship	Nviera Technologies Pvt Ltd., Bangalore 560032 E-mail: info@nviera.com Tel: +91 80 23331727	P Aswini (14121F0045)	Internship
38	Internship	CGI, Bangalore	APPAKONDAPPAGARI SREELEKHA	Internship
39	Internship	CGI, Bangalore	CHINANNAGARI SNEHA	Internship
40	Internship	CGI, Bangalore	CHUNDURU MOUNIKA	Internship
41	Internship	CGI, Bangalore	KETHU KAVITHA	Internship
42	Internship	CGI, Bangalore	MANDALAM VYSHNAVI PRIYA	Internship
43	Internship	CGI, Bangalore	R SHIRISHA	Internship
44	Internship	CGI, Bangalore	HARISH PURANAM	Internship
45	Internship	CGI, Bangalore	MAYAKUNTLA SREEKANTH REDDY	Internship
46	Internship	CGI, Bangalore	MATAM MAHESWARA SWAMY	Internship
47	Internship	CGI, Bangalore	K SAISWAPNA	Internship
48	Internship	CGI, Bangalore	MIDDI TEJA SREE	Internship
49	Internship	CGI, Bangalore	SEETHI RAGASUDHA	Internship
50	Internship	CGI, Bangalore	PARVEEN	Internship
51	Internship	CGI, Bangalore	THIRAMDASU PAVANI	Internship
52	Internship	Adi Technologies	KASARAM SRIHARSHA	Internship
53	Internship	Adi Technologies	CHANDRA SWARTHESH ADDANKI	Internship

54	Internship	AMAZON, Development Center India, Pvt Ltd., Hyderabad	MUPPALLA HARITHA	Internship
55	International Exposure, Projects and Research.	Dr.Sudesh Sivarasu, Senior Lecturer, Department of Biomedical Engineering, Faculty of Health Sciences University, 7.17, Level 7 Anatomy Building UCT Medical School, Observatory, Cape Town. Sudesh.sivarasu@uct.ac.za Phone:+2721404-7613	Mr. K Ayyappa Swamy, Dr.N.Padmaja and Dr.V.R.Anitha	Research
56	Smart Village Program	Rain water Harvesting Model	Dr SubbaReddy, Dr. Srinivasulu	Field Visit
57	Reviewer, IEEE Geoscience and Remote Sensing Letters	Dr. Mario Montopoli, Associate Editor, IEEE Geoscience and Remote Sensing Letters	Dr.N.Padmaja	Research
58	Industrial visit	TI Automotives, Chennai	Students and faculty members	Industrial visit
59	Session Chair and Reviewer	International Conference On Advances In Computing ICACCI'16, , LNMIIT-Jaipur convenor.icacci@lnmiit.ac.in Tel: +91-(0)44-42178617	Dr.N.Padmaja	Research
60	Review of maunucript for International Journal of Control	Dr. Ivan Markvsky, Associate Editor, Intrenational Journal of Control	Dr. N. Gireesh	Research
61	Reviewer of paper for IEEE Geoscience and Remote sensing Letters.	Dr. Mario Montopoli, Associate editor, Geoscience and Remote sensing Letters. m.montopoli@isac.cnr.it	Dr. N Padmaja	Research
62	Editorial Committee member	Dr.P.Prakasam Editor-in-Chief Journal of Signal Processing and Wireless Networks A peer-reviewed international journal website: www.jspwn.com Phone: 9789441919	Dr.N.Padmaja	Research
63	PhD Thesis Evaluation	Anna University,Center for Research,Chennai	Dr.V.V.RamaPrasad	Research
64	Session Chair	International Conference on "Green Power Technology in Power Grid: Issues, Challenges & Control",Sri Venkateswara University College of Engineering, Tirupati	Dr. T. Nageswara Prasad	Research
65	Resource Person	National Level Workshop on " Matlab Applications in Power systems & Power Electronics" N.B.K.R Institute of Science & Technology, Nellore	Dr. S. Farook	Research
66	Resource Person	FDP on Advanced Web Technologies,SVEC	Mr. Ashraf Ali Shaik	FDP

67	Reviewer	American Journal of Engineering Technology and Management (AJETM), Science Publishing Group 548 FASHION AVENUE NEW YORK, NY 10018 U.S.A	Suresh Babu Daram	Research
68	PhD Viva-voce Board Member	Anna University,Center for Research,Chennai	Dr.P.Umapathi Reddy	Research
69	Reviewer	Journal of Computational Science	Dr.M.Sunil Kumar	Research
70	Reviewer	CIBDA-2017 papers.	Dr. K.R.Madhavi Raju	Research
71	Reviewer	IJACT	Dr.V.V.RamaPrasad	Research
72	Editor in Chief	i-Manager's Journal of Cloud Computing	Dr. L. V. Reddy	Research
73	Chairperson	41 st COSPAR scientific assembly, Istambul, Turkey	Dr.P.Vishnu Prasanth	chair person for one sub-session at 41 st COSPAR scientific assembly, Istambul, Turkey
74	Editorial Board Member	Amerian Journal of nano Sciences	Dr. K N Chidambara Kumar	responsible for quality of the research papers
75	Reviewer	Directory-ASTES Journal	D Suresh Babu	Research
76	Reviewer	Engineering Science and Technology, an International Journal	D Suresh Babu	Research
77	Reviewer	IJRER	D Suresh Babu	Research
78	Supervisor	Centre for Research, Anna University	Avanija Janagaraj	Research
79	Research	International Journal of Fuzzy Systems	Dr. V. Jyothsna	Reviewer
80	Reviewer	Physical Chemistry Chemical Physics, RSC	Dr. Meera Parthasarathy	For Reviewing
81	Reviewer	National Conference on Innovative Technologies in Big Data,Cloud,Mobile and Security	Dr.M.Sunil Kumar	Research
82	Reviewer	Applications and Applied Mathematics: An International Journal (AAM)	B.Reddappa	For Reviewing
83	Judge, Technical Session on "Geotechnical Engineering",	National Level Technical Symposium CrEADORS-2K16, 2-3 March 2016, Department of Civil Engineering, S. V. U. College of Engineering, S. V. University, Tirupati.	Dr. O. Eswara Reddy	Judge
84	Reviewer	The International Assosciation for Information,Culture,Human and Industry Technology	Dr.V.V.RamaPrasad	Research
85	Resource Person	AndhraPradesh Human Resource Development Institute	Dr. Naresh Babu Muppalaneni	Research
86	KeyNote Speaker	International Conference on Applied Science Engineering and Technology (ICASET-16)	Dr.Sasi Kumar Gurumoorty	Speaker
87	Reviewer	7th IEEE International Advance Computing Conference (IACC 2017)	Dr. Naresh Babu Muppalaneni	Reviewer

PRINCIPAL

PRINCIPAL
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dist.) - 517 102, A.P., INDIA.

भारतीय अन्तरिक्ष अनुसंधान संगठन
अन्तरिक्ष विभाग
भारत सरकार
अन्तरिक्ष भवन
न्यू बी ई एल रोड, बेंगलूर - 560 231, भारत
दूरभाष : +91 80 2341 5474
फैक्स :

Indian Space Research Organisation
Department of Space
Government of India
Antariksh Bhavan
New BEL Road, Bangalore - 560 231, India
Telphone : +91 80 2341 5474
Fax :

Dr K Ganesha Raj
Dy. Director, RESPOND

☎: 080-23415269/22172269
FAX-080-23412471
email:ddrespond@isro.gov.in

ISRO/RES/2/398/2014-15

October 30, 2014

Dear Dr. Nimmagadda Padmaja,

Subject: RESPOND Project - " MST Radar Signal Processing using Empirical Mode Decomposition and Hilbert Huang Transform"

This has reference to your submission of the above-mentioned research proposal for funding under RESPOND Programme. The domain experts in Department of Space have reviewed the proposal. I wish to inform you that, Chairman, ISRO/Secretary, DOS has approved the following:

1. Funding of the project under RESPOND Programme for a period of Two years at a total outlay of **₹14.36 Lakhs (Rupees Fourteen Lakhs and Thirtysix thousand only)** towards meeting the expenditure of the project.

2. Release of grant of **₹10.63 Lakhs (Rupees Ten Lakhs and Sixtythree thousand only)** towards meeting the first year expenditure of the project (budget details enclosed).

The approval is subject to fulfillment of the following conditions:

(a) You will have to submit Annual Progress Report (APR), at the end of the first year, indicating the progress of the work accomplished during the first year. However, on conclusion of the project, you will have to send a comprehensive report covering total project activities. The copies of reports should be sent to **Director, NARL, Tirupati (Attn: Dr S Sridharan, RESPOND Co-ordinator, NARL, Tirupati)** and two copies to the undersigned.

(b) You will have to submit two copies of the Fund Utilization Certificate (FUC) and Audited Accounts Statement (AAS) on completion of the first year of the project. On completion of the project, you have to send the final FUC and Audited Account Statement for the total expenditure incurred in the project. The FUC and AAS should be sent to the Pay & Accounts Officer, Department of Space, Antariksh Bhavan, New BEL Road, Bangalore 560231; Director, NARL, Tirupati (Attn: Dr S Sridharan, RESPOND Co-ordinator, NARL, Tirupati) with a copy to the undersigned.

NanoSniff Technologies Pvt. Ltd.
Corporate Office :
M – 01, SINE, 3rd Floor, CSRE Building, IIT Bombay,
Powai, Mumbai – 400076.
Phone: +91 22 2572 1090

Letter of Support from Collaborating Industry

I have gone through the Project Proposal entitled **Design and Development of Micro Cantilever Based Biosensor for Early Detection of High Risk Human Papilloma Virus** submitted by **Dr.V.R. Anitha** of **Sree Vidyanikethan Engineering College** for Biomedical Device and Technology Development (BDTD) - DST funding and noted the obligations and responsibilities indicated in our name as stated below:

List of activities:

1. Providing Biosensor Microcantilevers on mutually agreeable commercial terms
2. Providing Prototype of the instrumentation for experimentation on mutually agreeable commercial terms

I hereby affirm that my Organization is committed to participate in the Project to the full extent indicated in the Project Proposal.

A summary profile of my Organization is given below:

Name of Organization : Nanosniff Technologies Pvt Ltd

Nature of Business :Fabrication of MEMS sensors and Associated Instrumentation

Number of Employees : 12

Annual Turn over : 44.96 Lakhs (in FY 2015-16)

For Nanosniff Technologies Pvt Ltd

Nanosniff Technologies Pvt. Ltd. Mumbai

Chief Technology Officer

Date: 21st January 2017

Place: Mumbai

(4)

Acceptance with Bio-data

I am happy to accept your invitation to collaborate in the project entitled "Design and Development of Micro Cantilever Based Biosensor for Early Detection of High Risk Human Papilloma Virus" and will lead into experimentation and field trials.

Name: Dr K.S. Rajkumar

Address: No. 12, Muruga Nagar, Kurichi, Sundarapuram Post, Coimbatore 641024, Tamil Nadu

Date of Birth: 05/12/1981

Institution's Address: Department of Surgical Oncology, Regional Cancer Centre, Coimbatore Medical College and Hospital, Coimbatore 641 018. Tamil Nadu.

Academic Qualifications (University/College from where attained, year of passing, class, Thesis title etc.)

	Period	**Hospital/ Institution**
M.B.B.S.	Aug 1999- Feb 04	Govt. Stanley Medical College, Chennai, India Tamil Nadu Dr. MGR. Medical University, Chennai, India
MS (Surgery)	Jul 2006- Jun 09	Post Graduate Institute for Medical Education and Research, Chandigarh, India
MCh (Surgical Oncology)	Aug 2011- Aug 14	Government Royapettah Hospital and Kilpauk Medical College, Chennai, India.

Publications list (Title of paper, authors, Journal details, pages, year etc.):

1. Revathidevi S, Manikandan M, Rao AK, Vinothkumar V, Arunkumar G, **Rajkumar KS**, Ramani R, Rajaraman R, Ajay C2, Munirajan AK. Analysis of APOBEC3A/3B germline deletion polymorphism in breast, cervical and oral cancers from South India and its impact on miRNA regulation. *Tumour Biol. 2016 May 7. [Epub ahead of print]*
2. Manikandan M, Deva Magendhra Rao AK, Arunkumar G, Manickavasagam M, **Rajkumar KS**, Rajaraman R, Munirajan AK. Oral squamous cell carcinoma: microRNA expression profiling and integrative analyses for elucidation of tumourigenesis mechanism. *Mol Cancer. 2016 Apr 7;15:28.*
3. Vinothkumar V, Arunkumar G, Revathidevi S, Arun K, Manikandan M, Rao AK, **Rajkumar KS**, Ajay C, Rajaraman R, Ramani R, Murugan AK, Munirajan AK. TERT promoter hot spot mutations

are frequent in Indian cervical and oral squamous cell carcinomas. *Tumour Biol. 2015 Dec 23. [Epub ahead of print]*

4. Manikandan M, Deva Magendhra Rao AK, Arunkumar G, **Rajkumar KS**, Rajaraman R, Munirajan AK. Down Regulation of miR-34a and miR-143 May Indirectly Inhibit p53 in Oral Squamous Cell Carcinoma: a Pilot Study. *Asian Pac J Cancer Prev. 2015;16(17):7619-25.*
5. Manikandan M, Deva Magendhra Rao AK, **Rajkumar KS**, Rajaraman R, Munirajan AK. Altered levels of miR-21, miR-125b-2*, miR-134, miR-155, miR-184, and miR-205 in oral squamous cell carcinoma and association with clinicopathological characteristics. *J Oral Pathol Med. 2014 Dec 8*
6. Rao AK, Vinothkumar V, Revathidevi S, Arunkumar G, Manikandan M, Arun K, **Rajkumar KS**, Ramani R, Ramamurthy R, Munirajan AK. Absence of the TP53 poly-A signal sequence variant rs78378222 in oral, cervical and breast cancers in South India. *Asian Pac J Cancer Prev. 2014;15(21):9555-6.*
7. Ramamurthy R, **Kottayasamy Seenivasagam** R, Shanmugam S, Palanivelu K. A prospective study on sentinel lymph node biopsy in early oral cancers using methylene blue dye alone. *Indian J Surg Oncol. 2014 Sep;5(3):178-83*
8. **Kottayasamy Seenivasagam R**, Gupta V, Singh G. Prevention of Seroma Formation after Axillary Dissection—A Comparative Randomized Clinical Trial of Three Methods. *Breast J. 2013; 19(5): 478–84*
9. Rajaraman R, **Rajkumar KS**, Subbiah S. Clear cell chondrosarcoma of distal femur - a case report. *TN Dr. MGR Medical University medEJ (May-Jun 2014 Vol-4 No - 3)*

Patent list, if any: NA

(Dr.K.S.Rajkumar)

Dr. B. Haranath
Retd. Principal & M.S., (E.N.T.) D.L.O.
Additional Director, S.V.R.R. Govt. Hospital, TPT
Professor & HOD, E.N.T. Dept.,S.V. Medical College.
President : A.P. Govt. Doctor's Asso. Tirupati Unit - 2006-08
President : AOI (ENT Surgeons), AP State - 2006-07
President : IMA Tirupati Branch 2008-09

Ph : 0877-2226575 (C)
0877-2231099 (R)
Office : 0877-2286666 Ext-ENT
Residence : Upstairs,
SWARNA E.N.T. SUPER SPECIALITY HOSPITAL
6-1-12A, Beside Old Maternity Hospital.
TIRUPATI - 517 507.

Date : 22/12/2016

To
The Principal
Sree Vidyanikethan Engineering College
Sree Sainath Nagar
Tirupati - 517 102.

Dear Sir

Sub: Collaboration with Sree Vidyanikethan Engineering College in the project "Frequency Modulated Hearing Aid for Elderly and Disabled" - reg.

I am delighted to work as a Collaborator in the project entitled "Frequency Modulated Hearing Aid for Elderly and Disabled" applied to DST under TIDE program. I find the proposal very useful for disabled persons suffering from conductive and sensorineural hearing loss.

In this regard, I am willing to extend my support in the project execution.

Thanking you.

Yours Sincerely,

Dr. B. Harinath
M.S., (E.N.T.) D.L.O.
Retired Principal and Additional Director,
S.V.R.R Govt. Hospital, Tirupathi.
Professor and Head,
E.N.T Dept.,
S.V. Medical College, Tirupathi.
Andhra Pradesh, India.

Dr.M.Saravanan . <hod_eie@vidyanikethan.edu>

Sree Vidyanikethan Engineering College Students Visit to NARL... on 02-09-2016

1 message

stvisits@narl.gov.in <stvisits@narl.gov.in> 31 August 2016 at 09:45
To: hod_eie@vidyanikethan.edu

Dear Sir/Madam,

Received a request from The Sree Vidyanikethan Engineering College , Addressed to The Director NARL.

Based on the approval of the request by Director NARL, We earmarked Friday, September 2, 2016 for 49 Students(max) and 2 faculty members' visit to NARL, as per the request

Admnistrative Officer, NARL is requested to kindly provide NARL entry pass for the staff and students of Sree Vidyanikethan Engineering College on the name of Mr. C. Ravindra Murthy , faculty member, along with49 students and 2 faculty members as per the attached list for entry into NARL on, Friday, September 2, 2016, 9:30 hrs

You may be aware that, NARL is on Tirupati-Chittoor high way 35 km from both Tirupati and Chittoor.

As soon as the students bus reaches NARL main gate, The visitors will be asked to show identity cards and they have to deposit their electronic items at main gate. Kindly show our e-mail communications to collect the entry pass at NARL main gate at the time of visit.

The tentative agenda of the students visit program is as follows.

9:30- 10:00: Visit of Automatic Weather station, Flux tower, 50 m tower, (walking about 500m distance).

10:00-10:50: Power point presentation - NARL introduction. 10:50 Birds Eye view of NARL campus form Conference Hall terrace.

11:00- 12:30 Labs visits- High performance computer, LIDAR (Laser Radar), ,VHF (MST) Radar , L-band radar, Sodar - 20 min at each lab. [Students may come with lab shoes without laces, as footwear to be removed at each lab.]

13:00: Departure.

All the members are expected to come to NARL with identity card.

Electronic gadgets are not allowed in to NARL.

Lunch/Tea/coffee are not available at NARL for visitor groups.

For security reasons, NARL has CCTV monitoring coverage for all the campus.

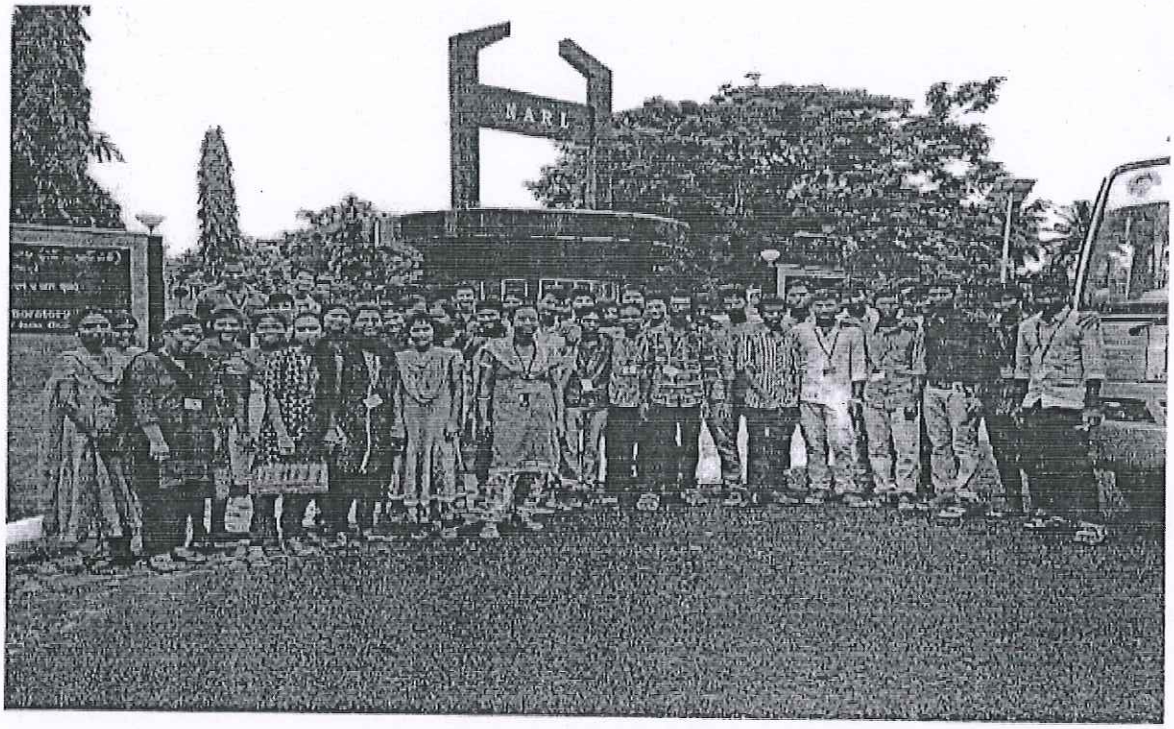
NARL has right to postpone or cancel the visit permission, in case of any unforeseen developments.

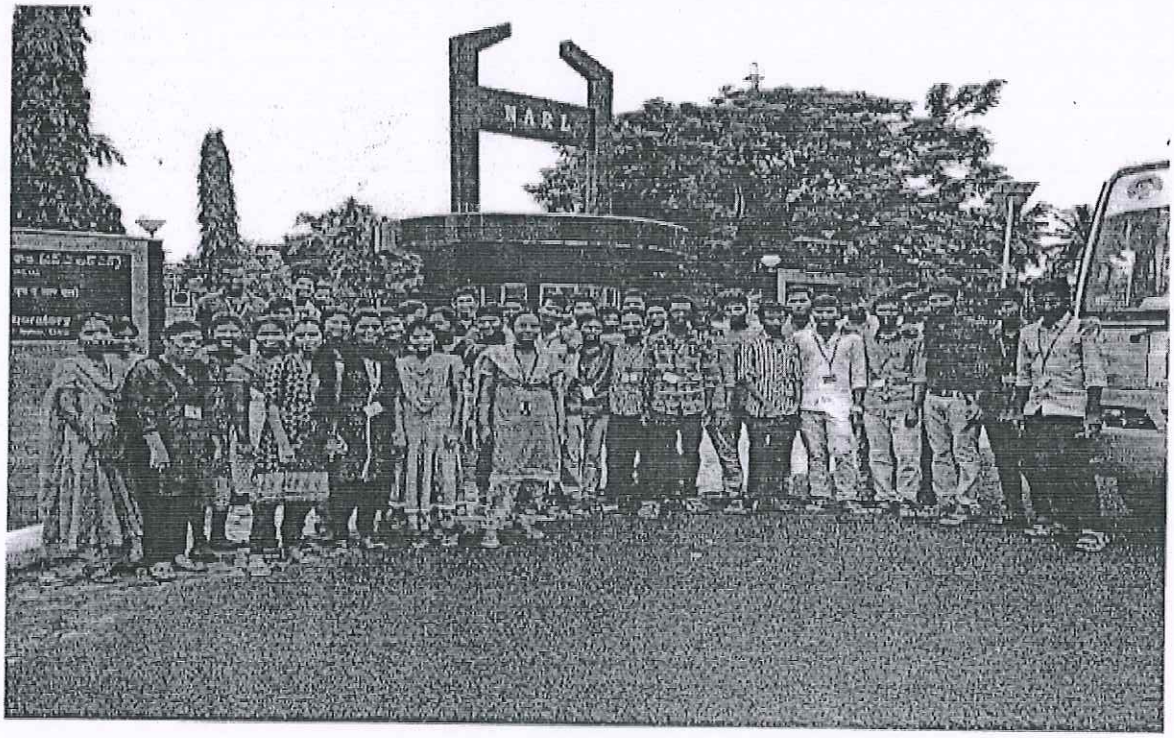
Kindly ensure the time adherence, as another institute students visit is planned after 13:00hrs

Thank you,

T Rajendra prasad
Scientist / Engineer - SE

08585 272003


NARL


NARL

SURENDRA
MULTI SPECIALITY HOSPITALS

(7)

Date: 28/12/2016

To
The Principal
Sree Vidyanikethan Engineering College
Tirupati – 517102.

Dear Sir,

Sub: Collaboration with Sree Vidyanikethan Engineering College in the project "Novel Electronic Device for Visually Challenged" – reg.

I am happy to work as a collaborator. My domain knowledge and practice in ophthalmology will be to support information on function of eye, disabilities and other medical information besides field trails in the project titled "Novel Electronic Device for Visually Challenged" applied to DST under TIDE program as I find the proposal is interesting and useful to the society.

Thanking you

Yours sincerely,

Dr. SURENDRA .S, M.D.(AIIMS) New Delhi
Vitreo-Retinal Surgeon
Regd. No: 19855
SURENDRA HOSPITALS
2-287, CHERLOPALLI
Opp: THATI THOPU
TIRUPATI-517 505. (A

properties that can be used in determining access control and it also helps in providing a reasonable degree of anonymity. Cloud Computing is one of the advancing technology that still undergoes many security issues. Ensuring the security of data that is stored in cloud is very challenging. But with gradual increment in technology, the quality of service is also a main issue. Services should be accurate up to date and secure. The current note is focusing on the security of data in cloud network, it calculates the current scenario and proposed the hybrid solution. The paper provides the idea implementation to secure the data in cloud. It provides hybrid secure solution which combines attribute based encryption with hashing function MD5.

***

A Novel Hyperspectral Image Segmentation Method

V. Saravana Kumar[1], K.S.Kannan[1],M.Kavitha[2]
[1,2]Asst.Prof
. [1]Sree Vidyanikethan Engineering College, Tirupati, A.P.
[2]Jayamatha Engineering College, Nagercoil, Tamilnadu.
dhivyasaro5@yahoo.com,saikannan2012@gmail.com,veenakavitha55@gmail.com

ABSTRACT

Hyperspectral image analysis is a complicated and challenging task due to the inherent nature of the image. Here, we propose a new approach entitled as a novelmethod for segmentation of hyperspectral image. The preprocessing is, one band is picked out from the hyperspectral image and then converts into false color image. The JSEG algorithm is segregate the false color image properly without manual parameter adjustment and paraphrase texture and color.

***

Enhanced Secured Data Transmission with Spatial Reusability

S. Nirmal Sam[1] ,N.Rahul[2], A.Vikas[2]
[1]Professor, [2]Student
SRM University, Chennai-603 203, Tamil Nadu, India.

ABSTRACT

This paper is an enhancement of existing spatial reusability-aware single-path routing (SASR) and any path routing (SAAR), to use Hop by Hop Message authentication scheme for ensuring data confidentiality. We Propose SSAAR -Secure Spatial Reusability-Aware Routing with Enhanced Secure Data Transmission using Hopby-Hop Routing Algorithm. In the existing paper, the system investigated two kinds of routing protocols, including single-path routing and any path routing. The task of a single-path routing protocol is to select a cost minimizing path, along which the packets are delivered from the source node to the destination node, but it failed to consider security issues in it. The most vital way to prevent malicious, unauthorized and corrupted messages from being transmitted/ forwarded in Multi-hop wireless networks is message authentication technique. This is one of the main reasons that several message authentication schemes in the current

A Comparative Analysis of Histogram Equalization based methods on Diabetic Retinopathy Fundus Images

K. G. Suma
Assistant Professor
Dept. of Computer Science and Engineering,
Sree Vidyanikethan Engineering College, Tirupati, India

Dr. V.Kavitha
Associate Professor,
Dept. of Computer Science and Engineering,
University College of Engineering, Kanchipuram

Dr. J. Avanija
Associate Professor,
Dept. of Computer Science and Engineering,
Sree Vidyanikethan Engineering College, Tirupati, India.

B.Sangamithra
Assistant Professor,
Dept. of Computer Science and Engineering,
Sree Vidyanikethan Engineering College, Tirupati, India.

***Abstract*—Contrast enhancement is an essential step to improve the medical images for analysis and for better visual perception of diseases. Fundus images helps for screening and diagnosing the Diabetic Retinopathy. These images must be enhanced in contrast and the brightness should be preserved to view the features correctly. In addition, the fundus image should be analyzed by Histogram Equalization based methods to detect DR abnormalities effectively. In this paper, various image enhancements based on Histogram Equalization has been reviewed on fundus images and the results are compared using Image Quality Measurement tools such as Absolute Mean Brightness Error to assess brightness preservation, Peak Signal-to-Noise Ratio to evaluate the contrast enhancement, Entropy to measure richness of the details of the image. The results show that the Adaptive Histogram Equalization is the best enhancement method for the detection of Diabetic Retinopathy in fundus images.**

***Keyword*—Diabetic Retinopathy, Fundus images, Histogram Equalization, Normalization, Brightness Preservation, Contrast Enhancement, Entropy, Image Quality Measurement.**

I. INTRODUCTION

Image enhancement is a preprocessing step in image/video processing that is mainly used to increase the low contrast of an image[1]. Contrast enhancement adjusts dark or bright pixels of an image to bring out the hidden feature in that image. Digital medical images help the professional graders in screening and diagnosing the diseases. Diabetic Retinopathy (DR) is a complication of Diabetes mellitus that affects the vision of the patient and sometimes leads to blindness. Fundus image captured by Fundus camera helps to analyze the anatomy of retinal part of an eye (blood vessels, macula, fovea, optic disc) and is used to monitor the abnormalities of Diabetic Retinopathy (microaneurysms, haemorrhages, soft and hard exudates, neovascularizations)[2].

Artifacts in fundus images are often a hurdle to detect the abnormalities. Charge Coupled Device in fundus camera might be a cause for the noise similar to digital images[3]. The electrical impulses of photoreceptors present in the retina travel towards the brain, so the optic disc looks brighter than the other retinal regions. This bright nature of the optic disc impedes the detection of bright pixel DR abnormality within the optic disc. In addition reflex contraction of the iris to the flash from the fundus camera leads to blurred image[3].

The contrast between the blood vessels present in fundus image and the retinal background is very low. Hence, the analysis of tiny retinal vasculature and retinal related abnormalities is difficult[4]. Therefore, the enhancement of retinal region in fundus image is important which provides better visualization of blood vessels and increases the accuracy to detect the abnormalities. Contrast enhancement based methods have been investigated in several papers in the past decades. Fadzil et al studied fluorescein angiogram image instead of fundus image and enhanced the contrast based on the retinal pigments using independent component analysis[4]. He concluded that Contrast Limited Adaptive Histogram Equalization is beneficial for vessel-based segmentation. Prashant et al proposed a method of enhancing the fundus image using Histogram Equalization with Cumulative Density Function (CDF) and performing threshold based segmentation for blood vessel extraction[5]. Rahim et al investigated three enhancement methods: Histogram Equalization, Contrast Limited Adaptive Histogram Equalization, and Mahalanobis Distance for fundus image[6]. They recommended Mahalanobis Distance as the best algorithm for blood vessel enhancement. Green plane of the fundus image presents the dark region with highest contrast against the background of the image. The extraction of green channel of fundus image is used as preprocessing step to detect the DR abnormalities[7,8].

Improving the contrast of fundus image with brightness preservation might lead to better visualization of smaller components and hidden features in the fundus image. This paper discusses and reviews the use of Bi-Histogram Equalization Based methods, Multi-Histogram Equalization Based methods and Clipped Histogram Equalization Based methods in fundus imaging and compared those using Image Quality Measurement tools.

Gmail

padma choda <padmaja202@gmail.com>

[SIRS-2017] Invitation to serve as reviewer

acn.conference@gmail.com <acn.conference@gmail.com> Mon, Dec 26, 2016 at 10:32 PM
To: Nimmagadda Padmaja <padmaja202@gmail.com>

Dear Dr. Nimmagadda Padmaja:

You are invited to serve as TPC member for the Third International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'17) (SIRS-2017) - http://www.acn-conference.org/sirs2017/

Please indicate at the URL below whether you can serve on the TPC:
http://edas.info/Tyn.php?tpc=999139319

Your EDAS user name is padmaja202@gmail.com.

SIRS-2017 will be held in Manipal, Karnataka, India during Sept. 13-16, 2017. The venue of the Conference is Manipal University (http://manipal.edu/mu/about-us.html). Manipal is a suburb within the city of Udupi in Karnataka, India. Udupi is a popular pilgrimage centre and tourist spot. It is a land of ethereal beauty, sandwiched between the verdant mountains of the Western Ghats on the east and the vast, tranquil Arabian Sea on the west.

SIRS aims to bring together researchers from academia, industry and government and to provide an international forum for the sharing, exchange, presentation and discussion of original research results in both methodological issues and different application areas of signal processing and pattern recognition. The first and second editions were hosted by IIITM-Kerala, India. The proceedings are available online in SpringerLink digital library (http://www.springer.com/gp/book/9783319049595 ; http://www.springer.com/gp/book/9783319286563)

Kind regards,

Chairs - SIRS'17
http://www.acn-conference.org/sirs2017/

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ISSN: 0974-5572

Design, Simulation and Fabrication of Log Periodic Triangular Microstrip patch Antenna Array

Rajanarendra Sai* and G. Karthik Reddy, R. Karthik****

ABSTRACT

This paper describes the design, simulation and fabrication of three element log-periodic triangular microstrip antenna array. A comparative study ispresented between simulation and fabrication results. The three patches are fed by using inset feed line technique which are connected with a single transmission line by forming a log periodic array which operates over frequencies ranging from 2.9 to 3.4 GHz.The frequency response of the array is analyzed using the Zealands IE3D commercial software which implements the method of moments for showing Simulation results. The designed antenna is fabricated and tested, and a comparative study is made between simulation results and tested results.

Keywords: Log-periodic antenna, Triangular patch, Wideband, Microstrip.

1. INTRODUCTION

Printed Antenna technology is directed towards the miniaturization of antennas without losing the best performances. Its miniaturization character has made it possible to integrate them easily in transmission and reception systems. Microstrip patches are often used as single element antennas in certain applications, but in case of conventional microwave antennas, the requirement of characteristics such as beam scanning or steering capability, high gain, are possible only when discrete microstrip patches are combined to form arrays [1-2]. Advantages of microstrip antenna include inexpensive, easy to fabricate, conformable to planar and non-planar surfaces, low profile and they are versatile in terms of resonant frequency, impedance, polarization and pattern. Microstrip patch antenna presents a narrow bandwidth and weak gain, association in arrays makes it possible to compensate the single antenna limitations characteristic and to improve their gain and radiation performances. One ofthe Microstripantennas disadvantages remains a narrow band-width. Various techniques have been proposed to improve the operational bandwidth of microstrip antennas. Another successful attempt to enhance the bandwidth of microstrip antenna was made by applying the log-periodic technique to design a microstrip array [3-4].

This paper describes the design, simulation and fabrication of three element log-periodic triangular microstrip antenna array. The proposed antenna has been designed by combining three patch elements by using the log periodic technique with the scaling factor of 1.05. IE3D software has been used to carry out the simulation for the log periodic antenna and the antenna is fabricated. After the simulations were completed, fabricated antenna results and simulation results were compared in terms of return loss.

2. ANTENNA DESIGN

The geometrical structure of the proposed three element triangular log periodic microstrip antenna with reconfigurability is as shown in Figure 1. This antenna can perform in frequency range from 2.9 GHz until

* Dept. of Electronics and Communication Engineering Sree Vidyanikethan Engineering College Tirupati, India, *Email: sai.rajanarendra@gmail.com*

** Dept. of Electronics and Communication Engineering MLR Institute of Technology Hyderabad, India, *Email: karthik.r@mlrinstitutions.ac.in*

(20)

Characterization of Tamarind Fruit Fibers (Tamarindus Indica L.) as Potential Alternate for Man-Made Vitreous Fibers in Polymer Composites

Binoj J S[1] Edwin Raj R[2]* and Indran S[3]
[1]Sree Vidyanikethan Engineering College, Andhra Pradesh, India
[2]St. Xavier's Catholic College of Engineering, Tamil Nadu, India
[3]Rohini College of Engineering and Technology, Kerala, India
*Email: redwinraj@gmail.com

Environmental degradation and its effects on human health due to unprecedented use of synthetic fibers, have been heavily felt by the fabricating workers and by the common people in general. The search to develop high-performance materials using environmental friendly natural fibers, is to be encouraged and needs comprehensive characterization. In this paper, discarded and polluting agrowaste from food processing industry, known as tamarind fruit fiber (TFF) is tested for its potentiality as a reinforcement in polymer composite. The extracted fibers are subjected to anatomical, physical, mechanical, morphological, thermal and chemical examination. The low density (1.27 g/cm^3) provides high strength (1137-1360 MPa), better thermal stability (238°C) and superior bonding characteristics revealed by standard investigations promotes TFF as a promising natural fiber reinforcement for many composite applications. Low cost and competent performance can be achieved with this natural fiber when reinforced in polymer matrix.

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Journal of Magnesium and Alloys 5 (2017) 133–143
www.elsevier.com/journals/journal-of-magnesium-and-alloys/2213-9567

Full Length Article

Prediction and optimization of process variables to maximize the Young's modulus of plasma sprayed alumina coatings on AZ31B magnesium alloy

D. Thirumalaikumarasamy *, V. Balasubramanian, S. Sree Sabari

Department of Manufacturing Engineering, Annamalai University, Annamalainagar, Chidambaram 608 002, Tamil Nadu, India

Received 18 August 2016; revised 16 February 2017; accepted 16 February 2017

Available online 3 May 2017

Abstract

Like other manufacturing techniques, plasma spraying has also a non-linear behavior because of the contribution of many coating variables. This characteristic results in finding optimal factor combination difficult. Subsequently, the issue can be solved through effective and strategic statistical procedures integrated with systematic experimental data. Plasma spray parameters such as power, stand-off distance and powder feed rate have significant influence on coating characteristics like Young's modulus. This paper presents the use of statistical techniques in specifically response surface methodology (RSM), analysis of variance, and regression analysis to develop empirical relationship to predict Young's modulus of plasma-sprayed alumina coatings. The developed empirical relationships can be effectively used to predict Young's modulus of plasma-sprayed alumina coatings at 95% confidence level. Response graphs and contour plots were constructed to identify the optimum plasma spray parameters to attain maximum Young's modulus in alumina coatings. A linear regression relationship was established between porosity and Young's modulus of the alumina coatings.

Keywords: Young's modulus; Plasma spraying; Alumina coating; Response surface methodology

1. Introduction

As a lightweight material for industry application, magnesium and its alloys possess attractive physical and mechanical properties, like low density, high specific strength and stiffness, high thermal conductivity, and excellent machinability [1,2]. These remarkable properties increase their potential application in the automotive, aerospace, electronics, and transportation industries [3]. Nonetheless, the main impediments against wider applications are undesirable properties including poor plasticity, heat resistance, abrasion resistance, and corrosion resistance. In particular, abrasion and corrosion are two of the most generally encountered industrial problems that result in the frequent replacement of some engineering components and lead to a rise in total costs [4]. These problems must be solved before the alloys are used in a wider scope of applications.

The use of coatings is one of the most effective methods to protect magnesium and its alloys against rapid failure in severe conditions. In order to further expand the application of magnesium alloys, surface modification techniques such as chemical conversion coatings [5], plasma electrolytic oxidation (PEO) [6], physical vapor deposition (PVD) [7] and laser surface treatment [8] have been applied to improve the surface properties of Mg alloy. It is well known that magnesium and its alloys possess such high chemical activity and poor abrasion resistance compared to a majority of surface techniques that cannot provide long-time protection in diverse and complex service environments.

Plasma spraying is a cost-effective technique to deposit thick coatings on metal substrates starting from micron sized powder [9]. In such process the powder particles are injected into a high-temperature plasma jet, melted and accelerated toward the substrate. When impacting on the substrate surface, they are flattened and quenched, thus producing the build-up of a coating with a layered microstructure containing typical defects such as pores with different sizes, splat boundaries and microcracks. The high deposition rate of the plasma spraying process involves shorter manufacturing times and lower costs in

* Corresponding author. Department of Manufacturing Engineering, Annamalai University, Annamalainagar, Chidambaram 608 002, Tamil Nadu, India. Fax: +91 4144 238080/238275.

E-mail addresses: thirusiva412@gmail.com, thirumalaikumarasamy@annamalaiuniversity.ac.in (D. Thirumalaikumarasamy).

http://dx.doi.org/10.1016/j.jma.2017.02.002

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Advanced Manufacturing Research
Vol. 12, 1–10, 2017

Comparison of Artificial Neural Networks (ANN) and Response Surface Methodology (RSM) Modeling Approaches in Predicting the Deposition Efficiency of Plasma Sprayed Alumina Coatings on AZ31B Magnesium Alloy

D. Thirumalaikumarasamy*, V. Balasubramanian, S. Sree Saban, and S. Vignesh

Department of Manufacturing Engineering, Annamalai University, Annamalainagar, Chidambaram 608002, Tamil Nadu, India

Modern industrial technologies call for the development of novel materials with improved surface properties, lower costs and environmentally suitable processes. Plasma spray coating process has become a subject of intense research which attempts to create functional layers on the surface is obviously the most economical way to provide high performance to machinery and industrial equipments. Plasma spray parameters such as power, stand-off distance and powder feed rate have significant influence on coating characteristics like deposition efficiency. Two methods, response surface methodology and artificial neural network were used to predict the deposition efficiency of plasma sprayed alumina coatings on AZ31B magnesium alloy. The experiments were conducted based on three factors, five-level, and central composite rotatable design with full replications technique, and mathematical model was developed. A linear regression relationship was established between porosity and deposition efficiency of the alumina coatings. The results obtained through response surface methodology were compared with those through artificial neural networks.

Keywords: Deposition Efficiency, Plasma Spraying, Alumina Coating, Response Surface Methodology, Artificial Neural Network.

RESEARCH ARTICLE

1. INTRODUCTION

Owing to the inherent superior properties, such as high strength to weight ratio, good dimensional stability, electromagnetic shielding and damping characteristics, good machining and recyclability, a great attention is being paid to magnesium alloys in a wide range of industries in recent years, especially in automotive, aerospace and communication sectors.[1–3] On the other hand, the application of magnesium alloy has been restricted due to the poor surface property. In order to further expand the application of magnesium alloys, surface modification methods such as chemical conversion coatings' plasma electrolytic oxidation (PEO), physical vapor deposition (PVD) and laser surface treatment[4–6] have been applied to improve surface properties of Mg alloy.

Plasma spraying is a cost-effective technique to deposit thick coatings on metal substrates starting from micron sized powders.[7] In such process the powder particles are injected into a high-temperature plasma jet, melted and accelerated toward the substrate. When impacting on the substrate surface, they are flattened and quenched, thus producing the build-up of a coating with a layered microstructure containing typical defects such as pores with different size, splat boundaries and microcracks. The high deposition rate of the plasma spraying process involves shorter manufacturing times and lower costs in comparison with the more expensive electron beam physical vapor deposition (EB-PVD) process.

Ceramic coatings are commonly used for thermal and environmental protection of metal components operating at severe working conditions. Their application is able to enhance the resistance and the durability of the underlying components, thus reducing there placement of worn out parts and the relate idle times. One of them Al_2O_3 coatings are good candidates for anti-wear and anti-corrosion applications, owing to their high hardness, chemical inertness and high melting point, as well as to their high resistance to abrasion and erosion.[8] The microstructure and the mechanical properties of the coating are affected by

*Author to whom correspondence should be addressed.

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Recent Development of Laser Based Treatment on Titanium Alloys: From Coating to Treatment – A Review

[1] Madhava Selvan V, [2] Ramesh Raju, [3] N Manikandan, [4] Palanisamy D, [5] D Arulkirubakaran
[1] Asso. Professor, Dept. of Mech. Engg., Narayana Engineering College, Gudur, AP, India,
[2] Professor, Department of Mechanical Engineering, Santhiram Engineering College, Nandyal, AP, India
[3] Asso. Professor, Dept. of Mech. Engg., Sree Vidyanikethan Engg. College, Tirupati, AP, India
[4] Asso. Professor, Dept. of Mech. Engg., Adhi College of Engineering & Technology, Chennai, TN, India
[5] Adhoc Faculty, Department of Mech. Engg., National Institute of Technology, Calicut, Kerala, India

Abstract: – **The tribological properties, in specific, oxidation and hot corrosion behavior were found to be a dominant property to improve the surface characteristics of titanium alloys and many researchers tried different methods to improve it. In order to achieve a better coating, there are numerous surface treatment techniques have been performed. The techniques, such as nitriding, carburizing, oxidation, physical vapor deposition (PVD) and chemical vapor deposition (CVD) executed to improve the surface properties of titanium alloys. In addition to this, laser was also used in surface modification. The coatings made by laser techniques exhibited strong metallurgical bonding with the substrate materials, owing to their high energy density. It was also found that the technique satisfied the industrial requirements for all applications.**

Index Terms— **Microhardness, Laser Surface Melting, Laser Metal Deposition, Microstructure, Ti6Al4V.**

I. INTRODUCTION

Titanium is the most significant metal of major industrial applications. The exceptional properties of titanium alloys incorporate high strength and astonishing erosion resistance. Titanium alloys are found in aviation applications where the mix of quality and corrosion resistance is unavoidable. The one of the major utilization for titanium alloys is in the aviation gas turbine motor compressor blades. The compressor disks and blades of the first stages are used at low temperatures about 300°C (low pressure compressor) are made from Ti-6Al-4V, a titanium alloy [1]. Ti-6Al-4V is extensively used alloys in aero engine turbine blades. These aero engine blades, after thousands of operating hours are mostly encountered fatigue and creep which are reducing the actual service life of the component. The blades subjected to wear and fretting are most of the times getting replaced rather than refurbished [2]. There are extensive research work to improve the material properties through various coatings, in order to the service life of Inconel 718 and Ti-6Al-4V [3].

II. COATING ON TITANIUM ALLOYS

The tribological properties of pure titanium (cp-Ti) was improved by deposition of Ti-Si-N coating through laser (LENS) processing [4]. The evaluated microstructures were evidenced in the coating along with in-situ shaped stages. The dendritic microstructure of the coatings was greatly influenced by the Si, as accumulation of Si impacted the solidification behavior of the melt pool. Increase in Si accelerates the solidification rate and in this way it prompted to better and more discernable dendrites. This influenced the mechanical properties of the deposited region. The experiment further demonstrated that the changes in microstructural varieties and phase impacted on hardness and wear resistance specifically. The top surface of the coating exhibited with higher hardness qualities and the same was reported in all specimens. Besides, the sample without Si had relatively high wear rate and it was reported that Si enhanced the tribological execution of the coatings.

Similar performance improvement was achieved with nanocomposite deposition WC1-x/C on titanium alloys is depicted in figure 1 [5].

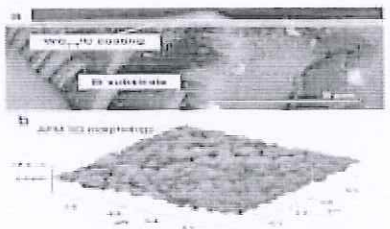

Fig. 1. Nanocomposite deposition WC1-x/C (a) SEM image of coating (b) AFM morphology [5].

RESEARCH PAPERS

A STATISTICAL GA BASED DEMAND FORECASTING MODEL FOR AUTOMOTIVE BATTERIES MANUFACTURING COMPANY

By

P. BHANU PRAKASH * V. RAMYA ** M. YUGANDHAR ***

* *** Assistant Professor, Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Tirupati, India
** Assistant Professor, Department of Mechanical Engineering, S.A. Engineering College, Chennai, India

ABSTRACT

Demand planning is an integral part of any planning process. Accurate forecasts help firms effectively plan the production process so that inventory levels in the supply chain can be optimized and supply can be matched closely with demand. Demand planning can also help the marketing department of a firm to decide upon the kind of promotional exercises required for particular product. Planning accurately leads to better distribution planning as well. Since firms can determine the exact levels of inventory to be held at each distribution center. In this paper an attempt was made to forecast the demand of Automotive Batteries. Three different methods of forecast have been used. After applying those methods, finally the mean square error was minimized and assigned the optimum weights to the forecasts by the different methods and found the resultant forecast containing all the forecasts. A suitable tool for the optimization was chosen. Here, Genetic Algorithms have been chosen for obtaining optimal weights that are assigned to forecast methods to generate a model of the forecast with minimum mean square error. An extensive computational experience has been reported. The proposed methodology has been put in to use in the firm for better forecast of the demand.

Keywords: Forecasting Techniques, Statistical Methods, Genetic Algorithm

INTRODUCTION

A forecast is an estimate of an event which will happen in future. The event may be demand of a product, rainfall at particular place, population of a country, or growth of a technology. The forecast value is not a deterministic quantity. Since this only an estimate based on the past data related to a particular event, proper care must be given in estimating it. Demand planning can also help the marketing department of a firm to decide upon the kind of promotional exercises required for particular product. Planning accurately leads to better distribution planning as well. Since firms can determine the exact levels of inventory to be held at each distribution center.

Forecasting may reduce decision risk by supplying additional information about the possible outcomes. Once the data have been captured for the time series to be forecast, the task is to select a model for forecasting. Various statistical and graphic techniques may be useful to the analyst in the selection process. The best place to start with any time series forecasting

Analysis is to graph sequence plots of the time series to be forecasted. A sequence plot is a graph of the data series values, usually on the vertical axis, against time usually on the horizontal axis. The purpose of the sequence plot is to give the analyst a visual impression of the nature of the time series. After the model is specified, its performance characteristics should be verified or validated by comparison of its forecasts with historical data for the process it was designed to forecast. Several methods of time series forecasting are available such as the Moving Averages Method, Exponential Smoothing etc. The following methods have been used in this study are winters Multiplicative Method, Moving Average and Exponential Smoothening.

Here, the objective is to suggest and implement an effective method for forecasting the After Market demand of Automotive Batteries and to synchronize and achieve efficiency and effectiveness between demand and supply and create competitive edge.

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The performance and exhaust emissions investigation of a diesel engine using γ-Al_2O_3 nanoparticle additives to biodiesel

R.L..Krupakaran, T. Hariprasasd, A. Gopalakrishna & Pejjai Babu

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Experimental Studies on the Performance, Combustion, and Emission Characteristics of Low Heat Rejection CI engine fuelled with M.Elangi Methyl Ester

First A. R.L. Krupakaran, second B. T. Hariprasasd, Third C. A. Gopalakrishna and fourth Dhinesh.B

Abstract— To compensate for rapid exhaustion of diesel fuels and also to reduce the pollution levels emitted by Diesel engine, Researchers all around the world are investing continuous efforts to find alternate fuel. Use of M.Elangi Methyl Ester [MEME] 20% and 80% Diesel with 25ppm TiO2 [MEME20+25ppm] nanoparticle additive as fuel blend is considered as an alternative way to reduce emissions at the same time without modifying any engine-operating parameters. Investigations are carried out in evaluating the performance of a low heat rejection (LHR) Compression ignition engine consisting of insulated piston with 350 µm super Ni (an alloy of nickel) crown. The pistons of the test engine were coated with yattria stabilized zirconia + Nd2O3 (5% yattria + 2% Niyodium oxide + 93% Zirconia oxide) layer 200 µm thick over a nickel-chromium-aluminium bond coat of 150 µm thick using the atmospheric plasma spray coating method. The results of the engine tests have shown that, with MEME 20 + 25ppm, the brake thermal efficiency was increased by 7.06%, and the specific fuel consumption was decreased by 16.388% when compared with diesel . The CO, HC, and smoke values reduced by 35.66%, 31.8% and 19.66% compared with diesel fuel The NO_x and EGT was increased by 22.23% and 9.33% at full load conditions at 1500 rpm constant speed.

Keywords—M.Elangi Methyl Ester, TiO_2 nanoparticle, LHR, performance and Emissions.

I. INTRODUCTION

Now-a-days, increase of Population led to increase in usage of vehicles at an upsetting rate and thereby rise in pollution levels. Fast exhaustion of diesel fuels is an alarming threat as diesel fuel is not only used in transport sector but also in agriculture sector. Thus, efficient fuel utilization has become more important for the engine manufacturers, users and researchers involved in the combustion research. From the literature it was observed that 30% of the supplied energy is carried away by the coolant and the 30% heat is lost in the form of exhaust gases, friction, etc., leaving only 30% of energy to be utilized for useful work. For obtaining better durability and reliability in advanced CI engines for hot-section metal components and also to increase the performance of CI engine, thermal barrier coatings (TBCs) were applied on the piston crown, cylinder head, valves, cylinder liner, and exhaust port. TBCs consist of a metallic bond coat and a stabilized zirconia top coat which gives a thermal barrier.

In [1-4], Sidhus, B. S.,Zhou, H., Yi, D Parlak, A., Uzun observed that, because of the low thermal conductivity of the coating, the use of TBCs can result in a substantial decrease in temperature between hot gas and the components of the engine body. TBCs applied CI engines are called LHR engines, which reduce heat transfer between hot gases and the cylinder wall. Krishnan et. al. [5] and Wade et al, [6] observed that, the use of diesel as fuel with ceramic-coated component resulted in improvement of thermal efficiency. Miyairi [7] with a two-zone combustion model and Rafiqul Islam et al [8] using a computer simulation model predicted the performance of the ceramic-coated direct injection (DI) diesel engines. Parlak et al [9-11] presented advantages of LHR engines in various aspects and also observed that, without change of engine power and decreasing the compression ratio from 18.20 to 16.20, NOx emission of an LHR diesel engine can be reduced to 14 percent. Kawamura et al. [12] focused on optimizing engine-operating parameters: injection timing, injection pressure, and EGR application.

The purpose of this study is to improve the performance and reduce the emissions of LHR diesel engine without modifying engine operating parameters. This is achieved by coating the piston with high-temperature-resistant ceramic material using atmospheric plasma spray method. M.Elangi Methyl Ester 20% and 80% Diesel with 25 ppm TiO_2 [MEME20+25ppm] nanoparticle additive as fuel blend with thermal Barrier coating (TBC) was used for this study.

F. A. Author is with the Department of Mechanical engineering, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh, India (corresponding author to provide phone: 9000379558; e-mail: krupakaran1305@gmail.com).

S. B. Author, was with the Department of Mechanical engineering, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh, India (e-mail: thprasads@gmail.com).

T. C. Author is with the Department of Mechanical engineering, JNTUK Jakimadu, Andhra Pradesh, India (e-mail: dr.a.gopalakrishna@gmail.com)

F D.Dhinesh.B is with theDepartmentofAutomobile Engineering,MIT,Anna University,Chennai (dhineshbala91@gmail.com)

Experimental Studies on the Performance of Thermal Energy Storage System by using Variable (Solar Energy) Heat source

Hariprasad Tarigonda, Meenakshi Reddy, R., and Krishnamachary, P.C.

Abstract— Thermal energy storage systems using solar energy is used to store the heat energy supplied to it for a considerable time period and give the energy back when ever need arise. The solar flat plate collector is integrated with the thermal energy storage system to store the energy. Diverse materials can be used in solar thermal energy storage system to store heat energy. In the present work, experimental studies are carried out on solar thermal energy storage system using Iron scrap + PCM filled in Spherical capsules as phase change material and compared the performance of the system with Stearic acid phase change materials. The PCMs are used in the form of spherical capsules made up of high density poly ethylene (HDPE). Charging time and amount of heat energy recovered are studied for the PCMs mentioned above and compared. The performance of solar thermal energy storage tank is studied with variable Heat source (solar flat plate collector) for different flow rates i.e.2,4,6 lits/min. the results showed that with 6 lit/min flow rate the thermal energy storage system tank is charged to 70°C temperature in 204 min whereas for 2 lit/min flow rate the TES tank is charged to 70°C in 254 min. The total heat capacity of TES tank at 70°C is around 10,400 KJ. The output hot water at an average of 45°C is around 64 liters so it means the heat energy recovered from the TES tank is around 32 %. The system with Iron scrap + PCM filled in Spherical capsules able to give 25% of hot water Extra then the Same Capacity sensible heat storage system.

Keywords— Solar Energy, Thermal Energy Storage System, Phase change material, Iron scrap, Stearic acid.

I. Introduction

THE increase in demand for energy in the society, shortages of fossil fuels and environmental impact made to show more interest on the development of renewable energy sources such as solar, biomass and wind technologies. As the solar energy, being non polluting, clean and in exhaustible has received wide attention among the scientists and engineers, There are many advantages in the solar energy it is time dependent. The energy needs for a wide variety of applications are also time dependent, but in a different pattern and phase from the solar energy supply. This made to develop the solar energy based device or utility to match dynamically both at the source point and the application point. Once the characteristics of end-use demand and the nature of energy source option are known, the total demand and supply in the time domain have to be brought together through the integration of a efficient energy storage and distribution network hence to commercial acceptance and economics of solar thermal systems are tied to the design and development of efficient thermal energy storage (TES) systems. Literature review has been carried out on the history of thermal energy storage using SHS and LHS concepts in PCM materials. Abe et al (1984) developed a direct contact LHS unit using formstable HDPE rods as PCM and performed series of experiments for different flow rates, PCM initial temperatures and HTF (Ethylene glycol) inlet temperatures to study the charge and discharge characteristics of the storage unit on a lab scale. Chow et al (1996) have evaluated two thermal conductivity enhancement techniques. The first technique focuses on placing PCM in capsules of various shapes in a liquid metal medium.Keumnam Cho and S.H. Choi [2000] performed experiments to study the thermal characteristics of PCM in a spherical capsule. In this study paraffin (i.e., n-tetradecane, and a mixture of n-tetradecane (40%) and n-hexadecane (60%)) was used as PCM and water as HTF. Jotshi et al (2001) described the role of thermal contact resistance in a high-temperature SHS water heater using cast iron as a storage material. It was observed that the variation in thermal contact resistance between the cast iron blocks and tube plays a dominant role in extracting the heat at a reasonably constant temperature. Wang et al (2001) studied the charging process of a cylindrical LHS capsule with stearic acid, sliced paraffin and lauric acid as PCMs. Experimental results demonstrate that, compared to the capsule with single PCM, the charging rate of the capsule employing three PCMs enhanced obviously. K.T.Adref et al. [2002] investigated the dynamic behavior of single spherical thermal storage elements (ice) experimentally using glass spheres. The authors studied the effects of the HTF temperature and the size of the capsule on the energy rate for charging and discharging from a single spherical enclosure. Barba and spiga [2003] studied the performance of TES system using salt hydrates as PCM in different shapes of containers. Results showed that the

Dr HARIPRASAD TARIGONDA is with Mechanical Engineering Department of Sree Vidyanikethan Engineering College, Tirupati, AP-517102, India (corresponding author to provide phone: 9885404470; E-mail: thprasads@gmail.com)

R.Meenakshi Reddy is with Mechanical Engineering Department of G.Pulla Reddy Engineering College, Kurnool, AP-518007 India (e-mail: rmreddy123@gmail.com)

P.C Krishnamachary is with the Sree Vidyanikethan Engineering College, Tirupati, AP-517102, India. Presently, he is working as principal of Sree Vidyanikethan Engineering College (e-mail: pckchary@yahoo.com).

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Performance analysis of Homogeneous Charged Compression Ignition (HCCI) Engine with external mixture formation of different bio diesel fuels

[1]Mr.P.Moulali ,[2]Dr.T.HariPrasad

Assistant professor Department of Mechanical Engineering Santhiram Engineering College, Nandyal, AP-518501, cell 9666117696, moulalip20@gmail.com

Professor Department of Mechanical Engineering, Sri Vidyanikathan Engineering College, Tirupathi, AP-517501, cell 9885404470, thprasads@gmail.com

Abstract

To modify the conventional Diesel engine in to Homogeneous Charge Compression Ignition (HCCI) Engine with external mixture formation technique adopted as Port fuel injection (PFI). In CI engines, NOx is formed in very hot zones with close to stoichiometric conditions and soot is formed in the fuel rich spray core. Performance of compression ignition and HCCI engines are varied by three different bio-diesel fuels with variation of compression ratio and exhaust gas recirculation (EGR) is operating at variable loads of fuel ratios are observed that NOx reducing up to 90%, heat releasing rate and pressure inside the chamber is less than conventional engine. Reducing the NOx up to 99 % by using the 3 way catalytic converter to achieved.

Key Words: HCCI Engine, EGR, Bio-Diesel fuels.

1.1 Introduction:

The automobile are having the major role on the atmospheric pollution in global warming [7]. Particularly diesel engines are produced high oxidises NOx and smoke emissions with consuming more amount of fuels [1-2].

Homogeneous charge compression ignition (HCCI) is alternative combustion engine to reduce the NOx and Particulate Matter (PM) emissions and also improve the thermal efficiency of the engine. HCCI engine combustion is both the SI engine and CI engine, mixture preparation is homogeneous and combustion take place in similar to the CI engine. The HCCI combustion take place multi points in the combustion chamber during the end of the stroke without flame front. Control the start up combustion duration of HCCI engine is controlled by diluting of the exhaust gas recirculation (EGR).

HCCI combustion achieved premixed combustion, highly diluted, very lean mixture to self ignition, inlet air temperature control. Avoid combustion noise and decreases the burn rate with highly diluted mixture HCCI some difficulty to be solved for efficient working of HCCI engine such as homogeneous.

Conventional diesel combustion is a heterogeneous process from both temporal

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Investigation on Ti6Al4V laser metal deposition using Taguchi based grey approach

Manikandan N[a], Ramesh Raju[b,*], Palanisamy D[c], Arulkirubakaran[d], Sambath Kumar[e]

[a]Asso. Prof., Dept. of ME, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh, India
[b]Professor, Dept. of ME, Santhiram Engineering College, Nandyal, Andhra Pradesh, India
[c]Asso. Prof., Dept. of ME, Adhi College of Engineering & Technology, Chennai, Tamilnadu, India
[d]Ad hoc faculty, Dept. of ME, National Institute of Technology, Calicut, Kerala, India
[e]Asst. Prof., Dept. of ME, Muthayammal Engineering College, Rasipuram, Namakkal, Tamilnadu, India

Abstract

An optimization of laser metal deposition process considering tensile strength, clad hardness, clad grain size and clad porosity as performance characteristics were investigated. The influence of laser power and laser scan speed on the thermal gradient and cooling rate with regard Ti6Al4V powder coating on Ti6Al4V substrate was focused. Taguchi's experimental design approach is employed for planning the experiments and analyzing the dependency of input variables on desired performance measures such as micro hardness, tensile strength, porosity and grain size. The laser scan speed is found as the dominant factor on the clad hardness while laser power has the influencing effect on grain size of the substrate. GRA is opted for determining the multi performance machining characteristics of laser metal deposition process. The experimental outcomes reveal that the proposed method of multi objective optimization considerably enhances the multi performance machining characteristics.

Selection and/or Peer-review under responsibility of ICAFM'17.

Keywords: Laser metal deposition; Grey relational approach; Thermal gradient; Laser scan speed; Grain size; Ti6Al4V

1. Introduction

Ti6Al4V alloy has high strength to weight ratio and good in thermal resistance due to its unique properties the material is extensively recommended for aerospace, nuclear and energy applications [1-3]. However, the material

* Corresponding author. Tel.: +91-964-205-7396.
E-mail address: rameshraju.svec@gmail.com

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Machinability Studies on CNC Turning of PH Stainless Steel with Coated Inserts

D.Palanisamy[a*], A. Devaraju[a], S. Harikrishnan[a], N.Manikandan[b]

[a]Adhi College of Engineering and Technology, Chennai
[b]Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh.
*Corresponding Author email: dpalanisamy.me@gmail.com

Abstract

In this present study, the machinability analysis of peak aged PH stainless steel was studied for various machining process parameters. Cutting speed, feed rate and nose radius with three levels were the process parameters considered for this experimental study. Machinability performance measures such as cutting force, surface roughness and micro-hardness were analyzed. The experiments were conducted based on full factorial design and the experimental results revealed that the feed rate is the most influencing parameter that affects the desired performance measures followed by the cutting speed. The variation in nose radius exhibited less effect on micro-hardness. The hardness on the machined surface was high up to a certain depth and there was reduction in hardness at the subsurface and finally reached the base metal hardness. Higher cutting speed and lower feed rate favors the better surface finish and reduces the cutting forces significantly while the tool insert with higher nose radius improved the surface finish.

Selection and/or Peer-review under responsibility of ICAFM'17.

Keywords: PH stainless steel; CNC; Cutting Force; Surface Roughness; Micro Hardness

1. Introduction

Stainless steels have poor machinability compared to regular carbon steel because they are tougher, adhesive and tends to work harden very rapidly. The slightly hardened steel may decrease its adhesiveness and make it easier to machine. Precipitation Hardened (PH) stainless steels use chromium & nickel as their major alloying elements and are a combination of the martensitic and austenitic alloy types. 15-5 PH stainless steel contains around 15 % of chromium and 5% of nickel as its major constituent elements along with small content of copper as its precipitates in its structure [1]. PH stainless steels can be hardened by aging treatment to provide high strength and toughness. Hardening of stainless steel can be achieved by addition one or more of the elements copper, aluminium, titanium, niobium and molybdenum. The hardened PH steel is termed under the category of hard-to-machine material [2]. The age hardening behaviour and microstructure transformation of 15-5 PH stainless steel were analysed. It was stated

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Microstructure Analysis and Evaluation of Mechanical Properties of Al 7075 GNP's Composites

P. Bhanu Prakash[a]*, K. Brahma Raju[b], K.VenkataSubbaiah[c], N.ManiKandan[d]

[a]*Assistant Professor, Department of Mechanical Engineering, SVEC, Tirupati-517102, India*
[b]*Head & Professor, Department of Mechanical Engineering, SRKREC, Bhimavaram-534201, India.*
[c]*Professor,Department of Mechanical Engineering, Andhra University, Visakhapatnam-530003, India*
[d]*Associate Professor, Department of Mechanical Engineering, SVEC-517102, Tirupati, India*

Abstract

In the present study, the microstructure and mechanical properties of aluminium 7075 Graphene Nano platelets (GNP's) composites were investigated. The contents of Graphene Nano platelets were varied from 0.50 to 2 wt. % in aluminium 7075 matrix. The composites were fabricated through stir casting technique, and the experimental results revealed that Al 7075-1.5 % GNP's composite showed better mechanical properties compared with Al 7075 – 0.50% GNP's,1.0 %GNP's and 2% GNP's composites. The SEM and Fractography analysis and XRD results confirms that there is a considerable improvement in the mechanical properties of Al 7075-1.5 % GNP's compared to other weight percentages.

Keywords: Aluminium 7075 –Graphene Composites, Stir Casting, Tensile Strength.

1. INTRODUCTION

Metal Matrix Composites (MMCs) are playing a significant role in applications of material sciences. Aluminium MMCs are preferred to other conventional materials in the fields of aerospace, automotive and marine applications owing to their improved properties like high strength to weight ratio, good wear resistance etc. Combining high specific strength with good corrosion resistance, metal matrix composites (MMCs) are materials that are attractive for a large range of engineering applications. Given the factors of reinforcement type, form, and quantity, which can be varied, in addition to matrix characteristics, the composites have a huge potential for being tailored for particular applications. Graphene has remarkable mechanical properties, which makes it hypothetically a good reinforcement in metal composites. It also has exclusive optical and thermal properties, which make it striking filler for producing multifunctional composites especially in case of metal matrix composite due to its viability and outstanding

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Effect of Textured Tools on Machining of Ti-6Al-4V Alloy under Lubricant Condition

D.Arulkirubakaran[a]*, V.Senthilkumar[b], S.Dinesh[c], C.Velmurugan[c], N.Manikandan[d], Ramesh Raju[e]

[a]Ad-hoc faculty,Department of Mechanical Engineering,National Institute of Technology,Calicut,Kerala,India
[b]Assistant Professor,Department of Production Engineering,National Institute of Technology,Trichy, Tamilnadu,India
[c]Research Scholar, Department of Production Engineering,National Institute of Technology,Trichy,Tamilnadu,India
[d]Associate Professor,Department of Mechanical Engineering, Sree Vidyanikethan Engg. College, Tirupati, Andhra Pradesh, India
[e]Professor, Sasthiram Engineering College, Nandyal, Andhra Pradesh, India

Abstract

In this work, an attempt is made to reduce the detrimental effects that occurred during machining of Ti-6Al-4V by employing the textures on the rake faces of the cutting tools. Turning experiments on the Ti-6Al-4V alloy were carried out using textured tungsten carbide tools with micro-scaled grooves in preferred orientation such as, parallel, perpendicular and cross pattern to that of chip flow. A mixture of molybdenum disulfide with SAE 30 oil (80:20) was used as semi-solid lubricant during machining process. The feed, thrust and cutting forces were measured by a three component Kistler-dynamometer. The power consumption during machining was measured using Fluke 43B type power meter. Experimental results such as machining forces and power consumption were analyzed and compared. From the observation, cutting tools with textures produced in a direction perpendicular to that of chip flow exhibits a better in all the results aspects.

Selection and/or Peer-review under responsibility of ICAFM'17.

Key words: Textured tool; Power ; Friction ; Ti-6Al-4V

* Corresponding author. Tel.: +91 - 495 228 6401; fax: +91 - 495 228 7250.
E-mail address: arulkirubakaranbe@gmail.com.

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76. OPTIMIZATION OF LASER METAL DEPOSITION PROCESS PARAMETERS USING TAGUCHI BASED GREY APPROACH FOR TI6AL4V ALLOY COATING

V Manikandan[1], Ramesh Raju[2], Palanisamy D[3], D Arulkirubakaran[4], S Santhosh kumar[5]*

[1] Asso. Prof., Dept. of ME, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh, India.

[2] Professor, Dept. of ME, Santhiram Engineering College, Nandyal, Andhra Pradesh, India.

[3] Asso. Prof., Dept. of ME, Adhi College of Engineering & Technology, Chennai, Tamilnadu, India.

[4] Ad hoc faculty, Dept. of ME, National Institute of Technology, Calicut, Kerala, India.

[5] Asst. Prof., Dept. of ME, Muthayammal Engineering College, Chinnasalem, Villupuram, Tamilnadu, India.

Email: Tilmanivermani@gmail.com, Jmrramesh2003@gmail.com

ABSTRACT

An optimization of laser metal deposition process considering tensile strength, clad hardness, clad grain size and clad porosity as performance characteristics was investigated. The influence of laser power (1500W and 1750W) and laser scan speed (500 mm/min and 600 mm/min) on the thermal gradient and cooling rate with regard Ti6Al4V powder coating on Ti6Al4V substrate was focused. Taguchi's experimental design approach is employed for planning the experiments and analyzing the dependency of input variables on desired performance measures such as micro hardness, tensile strength, porosity and grain size. The laser scan speed is found as the dominant factor on the clad hardness while laser power has the influencing effect on grain size of the substrate. Grey Relational Approach (GRA) is opted for determining the multi performance machining characteristics of laser metal deposition process. The experimental outcomes reveal that the proposed method of multi objective optimization considerably enhances the multi performance machining characteristics.

Keywords: *Laser metal deposition, Grey relational approach, Thermal gradient, Laser scan speed, Grain size, Ti6Al4V.*

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Application of Taguchi based Grey Method for Multi Aspects Optimization on CNC Turning of AlSi$_7$ Mg

P. Bhanu Prakash[a*], K. Brahma Raju[b], K.Venkata Subbaiah[c], P.C. Krishnamachary[d], N. ManiKandan[e], V.Ramya[f]

[a]*Assistant Professor, Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Tirupathi, Andhra Pradesh*
[b]*Head & Professor, Department of Mechanical Engineering, SRKREC, Bhimavaram, Andhra Pradesh*
[c]*Professor, Department of Mechanical Engineering, Andhra University, Visakhapatnam, Andhra Pradesh*
[d]*Principal, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh*
[e]*Associate Professor, Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh*
[f]*Assistant Professor, Department of Mechanical Engineering, SAEC, Chennai, Tamilnadu*

Abstract:

In this present exploration a multi objective optimization method is proposed for CNC turning of AlSi7Mg for determining possible machining parameters to obtain the better machining performance. Taguchi's design of experiments approach is employed for planning the experiments. An L27 orthogonal array has been opted for conducting experiments. Spindle speed, feed rate and depth of cut are considered as the input process variables. Material removal rate and surface roughness are the desired performance measures in this investigation. Taguchi's S/N ratio analysis is used for analyzing the influence of independent process variables. The Grey Relational Analysis is used for obtaining the better multi performance machining characteristics. The experimental outcomes reveal that the proposed method of multi objective optimization considerably enhances the multi performance machining characteristics.

Selection and/or Peer-review under responsibility of ICAFM'17.

Keywords: AlSi-Mg; CNC Turning; Multi objective optimization; Taguchi's experimental design approach; Grey relational analysis.

Prediction of Performance Measuresin Spark Erosion Machining of Haste Alloy Using Multiple Regression Analysis

Ramesh Raju[1], N Manikandan[2], Madhava Selvan V[3], K. Lakshmi Kala[4]

[1]Department of Mechanical Engineering, Santhiram Engineering College, Nandyal, AP, [2]Asso. Professor, Dept. of Mech. Engg., SreeVidyanikethanEngg. College, Tirupati, AP, [3]Asso. Professor, Dept. of Mech. Engg., PACE Institute of Technology & Science, Ongole, AP, [4]Asst. Professor, Dept. of Mech. Engg., Sree Vidyanikethan Engg. College, Tirupati.
Email: mrramesh2002@gmail.com[1], thuraiyurmani@gmail.com[2], madhavaselvan@gmail.com[3]

Abstract:

Electrical Discharge Machining (EDM) has the capability of machining complicated shapes in electrically conductive materials independent of hardness of the work materials. The need for decision making is increasingly important in the any manufacturing domain because of makinghigh quality products and rapid changes in design. This present article details the development of multiple regression models for envisagingthe material removal rate (MRR) and roughness of machined surface in ElectricalDischargeMachining (EDM) of Haste Alloy C276. The experimental runs are devised as per Taguchi's principles and empirical relations are established using multiple regression analysis. Taguchi's methodology can be applied as a single aspects optimization technique for attaining the best set of possible process parameter for material removal rate and roughness of the machined surface. A statistical tool called Analysis of variance (ANOVA) is employed for determining the significance of input process variables that influences the desired performance measures such as material removal rate and roughness of the electrically machined surface. The developed multiple regression models are flexible, competent and precise in prediction of desired performance measures. The developed regression models were validated and the predicted results from the evolved regression models are closer with the experimental outcomes.

Keywords: Electrical Discharge Machining (EDM), Taguchi's Design approach,Haste Alloy, Analysis of Variance(ANOVA), Regression Analysis.

I. INTRODUCTION:

Superalloys are heat resistant and the mechanical and chemical properties of the materials are remains unchanged during high temperature applications [1, 2]. The properties of Superalloys such as high strength and hardness, lower thermal diffusivity makes them as hard to machine materials [3-5] High strength and high hardness of these materials results in poor performance in machining and more tool wear by traditional machining processes. So there is a necessity to find a solution for machining of these super alloys which are electrically conductive hard materials by using unconventional material removal processes. Electrical Discharge Machining (EDM) is one among the available advanced machiningprocess most commonly employed for machining the components that are used in automobile,aerospace and biomedical industries [6]. A continuous repeated electrical discharges between the tool (electrode) and the work material, results in removal of material from the work piece in the dielectric medium [7, 8]. The tool moves towards the workpiece until the gap between the electrode and work material is close enough to ionize the dielectric fluid with the help of supplied voltage. The electrode and the work material are separated by the short duration discharges in dielectric gap. The removal of material in work piece happens due to the erosive action. The material is removed with irrespective to the material hardness. The graphical representation of EDM process is given in Fig.1 [9].

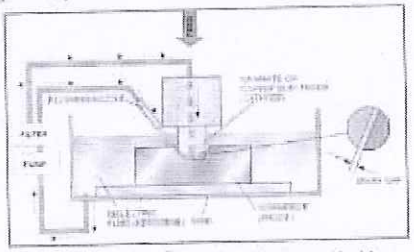

Fig.1. Schematic of Electrical Discharge Machine

An exploration on EDM drilling of nickel alloy detailed the importance of supplied current andsame is the important process variable for obtaining the rate of material removal [10]. The plan of experimentis most important to determine the importance of the process parameters. Taguchi's experimental design method is a powerful approach for planning the experiments and to solve the single objective optimization problems. The machining performance and influence of process variables are detailed by various researchers on EDM process [11-13].UlasCaydas and AhmetHascalik [14]presented an experimental analysis to predict the roughness of machined

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56. INVESTIGATIONS ON ELECTRICAL DISCHARGE MACHINING OF HASTE ALLOY C276 USING TAGUCHI APPROACH

Ramesh Raju[1], Manikandan N[2], Palanisamy D[3], Arulkirubakaran D[4], SambathKumar S[5], Bhanu Prakash P[6]*
[1] Department of Mechanical Engineering, Santhiram Engineering College, Nandyal, Andhra Pradesh, India.
[2, 3] Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh, India.
[4] Department of Mechanical Engineering, Adhi College of Engineering & Technology, Chennai, Tamilnadu, India.
[5] Department of Mechanical Engineering, National Institute of Technology, Calicut, Kerala, India.
[6] Department of Mechanical Engineering, Maha Barathi Engineering College, Villupuram, Tamilnadu, India.

ABSTRACT

Nickel based superalloys are commonly employed in numerous engineering applications such as gas turbine, nuclear reactor and aerospace industries. The nickel based superalloys are very difficult to machine with the help of conventional machining methods. Electrical Discharge Machining (EDM) is an appropriate unconventional method used for machining such kind of difficult to machine materials. This present investigation details the determination of best possible set of process parameter to attain the better machining performance of EDM of Haste alloy C276. Experimental runs are planned and analyzed by Taguchi's approach. The influence of process parameters such as current, pulse on and pulse off time were investigated to control the desired performance measures such as Material removal rate, surface roughness and overcut. Analysis of variance (ANOVA) has been used to ascertain the significance of the input process variables on electrical discharge machining of Haste alloy C276. The statistical results confirmed that the current is the most influencing process variable for material removal rate, surface roughness and overcut. Multiple regression models have been developed to predict the desired performance measures in electrical discharge machining of Haste Alloy C276.

Keywords: Electrical Discharge Machining, Haste alloy C276, Analysis of variance, Material Removal Rate, Surface Roughness.

2. EXPERIMENTAL ANALYSIS ON MACHINABILITY OF PH STAINLESS STEEL WITH COATED TUNGSTEN CARBIDE INSERT

D.Palanisamy[1], A. Devaraju, S. Harikrishnan, N.Manikandan[2]*
[1]Adhi College of Engineering and Technology, Chennai
[2] Sree Vidyanikethan Engineering College, Tirupathi, Andhra Pradesh.
** Corresponding Author email: dpalanisamy.me@gmail.com*

ABSTRACT

In this present study Machinability analysis of heat treated PH stainless steel was studied for different cutting conditions. Cutting speed, feed rate and nose radius were the input parameters considered for this experimental study. Machinability parameters such as cutting force, surface roughness, micro-hardness and micro-structure were the responses analysed. Experimental results revealed that the feed rate is most influencing parameter that affects the desired performance measures and followed by the cutting speed. The variation in nose radius exhibited less effect on micro-hardness and micro-structure. Localized deformation were observed in the microstructure of the machined surface at higher cutting velocity and higher feed rate. The hardness on the machined surface was high for a certain depth and there was reduction in hardness at the subsurface and reached the base metal hardness. Higher cutting speed and lower feed rate favours the better surface finish and reduces the cutting forces significantly while tool insert with higher nose radius improved the surface finish.

Keywords: PH stainless steel, CNC, cutting force, surface roughness, microstructure micro hardness.

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Optimization of process parameters in Electrical Discharge Machining of Haste Alloy C276 using Taguchi's method

Ramesh Raju[1], Manikandan N[2*], Palanisamy D[3], Arulkirubakaran D[4], SambathKumar S[5], Bhanu Prakash P[6]

[1]*Department of Mechanical Engineering, Sanketan Engineering College, Nandyal, Andhra Pradesh, India.*
[2,3]*Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh, India.*
[3]*Department of Mechanical Engineering, Adhi College of Engineering & Technology, Chennai, Tamilnadu, India.*
[4]*Department of Mechanical Engineering, National Institute of Technology, Calicut, Kerala, India.*
[5]*Department of Mechanical Engineering, Muthayammal Engineering College, Rasipuram, Tamilnadu, India.*

Abstract

Nickel based superalloys are most commonly used material in various engineering applications such as gas turbines, nuclear reactors and aerospace industries. The nickel based superalloys are very hard to machine materials with the use of conventional machining methods. Electrical Discharge Machining (EDM) is an appropriate unconventional material removal process used for machining such kind of difficult to machine materials. This present investigation details the determination of optimum process parameters to attain the better machining performance in EDM of Haste alloy C276. The experimental combinations are planned and analyzed by Taguchi's design of experiments approach. The influence of process variables such as current, pulse on and pulse off time were investigated to control the various desired performance measures such as Material removal rate, surface roughness and overcut. Analysis of variance (ANOVA) a statistical analysis tool has been applied to ascertain the significance of the input process variables on electrical discharge machining of Haste alloy C276. The statistical results confirmed that the current is the most influencing process variable on material removal rate, surface roughness and overcut. Multiple regression models have been developed to correlate the relationship among the independent and dependent variables in electrical discharge machining of Haste Alloy C276.

Selection and/or Peer-review under responsibility of ICAFM'17.

Keywords: Electrical Discharge Machining; Haste alloy C276; Analysis of variance; Multiple Regression Analysis; Material Removal Rate; Surface Roughness.

* Corresponding author. Tel.: +91-9943144668;
E-mail address: manikandanmn@gmail.com.

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68. MULTI OBJECTIVE OPTIMIZATION ON CNC TURNING OF ALSI-MG USING TAGUCHI BASED GREY APPROACH

P. Bhanu Prakash*[1], Prof. K. Brahma Raju[2] Prof. K.VenkataSubbaiah[3], N. ManiKandan[4], V.Ramya[5]
[1] Assistant Professor, Department of Mechanical Engineering, SVEC, Tirupati, Andhra Pradesh.
[2] Head & Professor, Department of Mechanical Engineering, SRKRCE, Bhimavaram, Andhra Pradesh.
[3] Professor, Department of Mechanical Engineering, Andhra University, Visakhapatnam, Andhra Pradesh.
[4] Associate Professor, Department of Mechanical Engineering, SVEC, Tirupati, Andhra Pradesh.
[5] Assistant Professor, Department of Mechanical Engineering, SAEC, Chennai, Tamilnadu.
[1]bhanuprakash@gmail.com* (Corresponding Author)

ABSTRACT:

In this present exploration a multi objective optimization method is proposed for CNC turning of AlSi-Mg for determining possible machining parameters to obtain the better machining performance. Taguchi's design of experiments approach is employed for planning the experiments. An L_{27} orthogonal array has been opted for conducting experiments. Spindle speed, feed rate and depth of cut are considered as the input process variables. Material removal rate and surface roughness are the desired performance measures in this investigation. Taguchi's S/N ratio analysis is used for analyzing the influence of independent process variables. The Grey Relational Analysis is used for obtaining the better multi performance machining characteristics. Interaction graphs are drawn for various combinations of independent process variable against the desired performance measures. The experimental outcomes reveal that the proposed method of multi objective optimization considerably enhances the multi performance machining characteristics.

Keywords: AlSi-Mg; CNC Turning; Multi objective optimization; Taguchi's experimental design approach; Grey relational analysis; Interaction Analysis.

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61. INVESTIGATIONS ON MICROSTRUCTURE AND MECHANICAL BEHAVIOUR OF STIR CASTED AL 7075 GNP COMPOSITES

[1]P. Bhanu Prakash*, [2]Prof. K. Brahma Raju,[3]Prof. K.Venkata Subbaiah, [4]Dr. N. ManiKandan, [5] V.Ramya
[1] Assistant Professor, Department of Mechanical Engineering, SVEC, Tirupati, Andhra Pradesh.
[2] Head & Professor, Department of Mechanical Engineering, SRKRCE, Bhimavaram, Andhra Pradesh.
[3] Professor, Department of Mechanical Engineering, Andhra University, Visakhapatnam, Andhra Pradesh.
[4] Associate Professor, Department of Mechanical Engineering, SVEC, Tirupati, Andhra Pradesh.
[5] Assistant Professor, Department of Mechanical Engineering, SAEC, Chennai, Tamilnadu.
[1]bhanuprakash@gmail.com* (Corresponding Author)

ABSTRACT

In the present study, the microstructure and mechanical properties of aluminium 7075 Graphene Nano platelets (GNP's) composites were investigated for various compositions. The contents of Graphene Nano platelets were varied from 0.50 to 2 Wt. % in aluminium 7075 matrix. The composites were fabricated through stir casting technique and the results obtained from the microstructural analysis revealed that the Al 7075-1.5 % GNP's composites have better mechanical properties such as tensile strength, hardness of the composite while comparing with Al 7075 – 0.50% GNP's,1.0 %GNP's and 2% GNP's composites. The Scanning Electron Microscopy (SEM), Fractography analysis and XRD results confirms that there is a considerable improvement in the mechanical properties of Al 7075-1.5 % GNP's while comparing with other weight percentages.

Experimental investigations on a variable compression ratio (VCR) CIDI engine with a blend of methyl esters palm stearin-diesel for performance and emissions

A. R. Babu, G. Amba Prasad Rao & T. Hari Prasad

[illegible] Oct 2015, Accepted 07 Dec 2015, Accepted author version posted online: [illegible] 2015, Published online: [illegible] Feb 2016

Abstract

The present work deals with an experimental evaluation of the existing diesel engine with a blend of methyl esters of palm stearin (PS) oil and petro-diesel under varying injection pressures and compression ratios (CRs). It was observed that the brake thermal efficiency of engine was high with PSME40 at an injection pressure of 210 bar and CR of 16.5 when compared to other fuel injection pressures of 190 and 230 bar. However, the engine performance was superior with CR 19 at the rated injection pressure of 190 bar. Higher peak pressures are observed with higher CR. The engine emissions in terms of hydrocarbons, carbon monoxide and smoke opacity were lower but the nitrogen oxides were found to be increased due to the better combustion. It is observed that CR and fuel injection pressure simultaneously played a vital role in the reduction of emissions. The study revealed that PS could be explored as a source for producing biodiesel effectively with environmental concerns.

KEYWORDS: CI engine, PSME40 blend, fuel injection pressures, compression ratios, engine performance, exhaust emissions,

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IMME17

Optimization of Process Parameters of EDM Process Using Fuzzy Logic and Taguchi Methods for Improving Material Removal Rate and Surface Finish

Nakka Nagaraju[1]*, Sadu Venkatesu[2] and N.G. Ujwala[1]

[1]*Department of Mechanical Engineering, Annamacharya Institute of Technology and Sciences (Autonomous) Rajampet – 516126, Andhra Pradesh, India.*

[2]*Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous) A Rangampet, Tirupati – 517102, Andhra Pradesh, India*

Abstract

The main indent of this work is to optimization of multiple responses of Electric discharge machining (EDM) using Fuzzy method coupled with Taguchi is attempted. The work piece material was AISI 304 Stainless Steel and a cylindrical copper electrode with side impulse flushing was used. The effect of machining parameters, i.e., discharge current ,pulse on time , discharge voltage and Inter Electrode Gap (IEG) on the Material Removal Rate ,(MRR), Tool Wear Rate and Surface Roughness (Ra) in EDM are examined. L9 orthogonal array was used to design the experiment and the effect of the factors on the responses were studied. As the responses are conflicting in nature, factors of a single combination will not be treated as best machining performance for all responses. The multiple responses were converted into a single characteristic index by using Fuzzy logic known as Multi Performance Characteristic Index (MPCI). Finally, MPCIs were optimized by using Taguchi.

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Keywords: EDM, MRR, Surface Roughness, Fuzzy and Taguchi.

1. Introduction

The English Scientist named Joseph Priestly invented EDM techniques in the 1770's. He observed in his experiments that electrical discharges had removed material from the electrodes[1]. Although it was originally

* Corresponding Author
E-mail address: raju.nn777@gmail.com

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Design, Development And Performance Analysis Of Axial Flow Wind Turbine For Household Applications

[1]M. Maduri, [2]SudaVenkatesu, [3]M. Maruthi Prasad

[1]M.Tech student, Mechanical Engineering, AITS, Rajampet,AP,
[2]Associate Professor, Mechanical Engineering, Sree Vidyanikethan Engineering College, A. Rangampet, Tirupati, Chittoor (Dist), AP-517102.
[3]Associate Professor, Mechanical Engineering, AITS, Rajampet,AP,

Address For Correspondence:
M. Maduri, M.Tech student, Mechanical Engineering, AITS, Rajampet,AP,
E-mail: mummadimaduri@gmail.com

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Wind energy, 6-blade rotor system, Gearing system, Dynamo, Windmill and Battery.

ABSTRACT

In worldwide rural areas are having plenty of renewable energy resources but facing the problem due to lack of electricity from years.The conventional way to generate electricity requires the use of petroleum product or coal which generates heat for the production of energy. This leads to the emission of various toxic gases and waste products causing harm to the environment..To overcome this effect and to make it more reasonable the wind energy is the best unconventional source to generate the power and eco-friendly too.Wind energy is the kinetic energy associated with themovement of atmospheric air. It has been used forhundreds of years for sailing, grinding grain, and forirrigation. Wind energy systems convert this kineticenergy into useful form of energy. The main intent of present research is to design and development of axial flow wind turbine with 6-blades rotor (60 apart each) with gearing system to generate electricity. The kinetic energy of wind strikes the blades of rotor tends to rotate and this wind energy converts into mechanical energy by gearing system and the mechanical energy further converts into electrical energy with help of dynamo and stores in the battery and it will be useful for the household applications. In this paper the design, development and performance analysis of the wind turbine with 6-blades rotor system has been explained briefly and the analytical values have been calculated for the design of wind turbine.The analytical results of the wind turbine governs that the design is under safe limit. In future scope perform the experiments on wind turbine and then calculate experimentalvalues with different wind speed. Finally the results of experimental will compare with the analytical results.

INTRODUCTION

Many rural areas are having plenty of renewable energy resources but facing the problem due to lack of electricity from years.The predictable way to generate electricity requires the use of petroleum product or coal which causes heat for the making of energy. This leads to the release of various toxic gases and excess products causing harm to the environment.. To overcome this difficulty and to make it more feasible the wind energy is the best alternative source to generate the power and eco-friendly too.Wind energy is the kinetic energy associated with themovement of atmospheric air. It has been used forhundreds of years for sailing, grinding grain, and forirrigation (Frederikus,Wenehenubun, 2015; ChanmapatTorasan, Nichanunt Sermsrib, 2015). Wind energy systems convert this kineticenergy to more useful forms of power. Wind energysystems for irrigation and milling have been in use sinceancient times and since the beginning of the 20thcentury it is being used to generate electric power.Windmills for water pumping have been installed inmany countries particularly in the

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TECHNICAL PAPER

Design, Development, Analysis and Comparison of Instrumented Irradiation Capsule for Online Determination of Uniaxial Creep Behavior in Structural Specimen Out-of-Pile Test Results with Analytical Results in FBTR

Sadu Venkatesu[1] · Rajesh Saxena[2] · S. Murugan[2] · S. Venugopal[2]

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Abstract The main intent of this work is to develop an instrumented capsule for online determination of uniaxial creep behavior of SS 316L structural specimen. The irradiation capsule has three different zones located one over the other. In the bottom zone of the capsule, the specimen is located, with one end fixed to the bottom portion of capsule and the other end connected to a central tube through a connecting plug. In the top zone a linear variable differential transducer (LVDT) is placed and its core is passed through the central tube. The end point of the LVDT core touches the plug connected to the specimen to measure the elongation of the structural specimen. In this capsule setup, bellows are used to apply a load on the structural specimen with the use of pressurized argon gas. With the application of pressure, the bottom bellow will expand and the top bellow will get compressed. During this expansion of the bottom bellow, tensile load will be applied on the specimen, and the elongation of the structural specimen will be measured by the movement of the core of the LVDT. This paper discusses the details of the design, assembly of an out-of-pile version of instrumented capsule and its experimental results are compared with literature results. The creep experiments have been carried out at three different temperatures and three different stresses (269 MPa at 450 °C, 287 MPa at 500 °C and 306 MPa at 550 °C). Initially the capsule is filled with pre-pressurized argon gas at 6 MPa at room temperature. We have observed that the force/load due to argon gas pressure is the major component for the tensile loading of the specimen and 95% of the total load acts on the SS 316L specimen and remaining 5% load only acts on the bellow. Design concept of instrumented capsule for uniaxial creep measurement has been validated.

Keywords Creep · Instrumented Irradiation capsule · Bellow · LVDT · Structural specimen · Out-of-pile testing

1 Introduction

As conferred in [1–17], many materials test reactors (MTRs) with support from Technical Research Center of Finland, the French OSIRIS reactor with support from Commissariat 'al' Energy Atomic, the Halden Boiling Water Reactor (HBWR) with support from the Institute for Energy Technology/Halden Reactor Project (IFE/HRP),the Japan Materials Testing Reactor (JMTR) and the High-Flux Advanced Neutron Application Reactor (HANARO) have positioned creep test rigs to detect the progressive elongation of tensile and creep specimens using bellows to apply a variable load to a specimen and linear variable differential transducers (LVDTs) to detect the growth of the specimen. In Table 1 [18], we have compared aspects of these various creep test setups.

It has been found that there are certain limitations in the irradiation capsules presently being used, and an attempt has been made in the present research work, to design and develop an instrumented capsule for determining in-pile creep behavior of materials, thus overcoming these limitations.

✉ Sadu Venkatesu
venky.mech55@gmail.com

[1] Department of Mechanical Engineering, Sree Vidyanikethan Engineering College (Autonomous), A Rangampet, Tirupati, Andhrapradesh 517102, India

[2] Metallurgy and Materials Group (MMG), Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, Tamilnadu 603 102, India

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Vibration Analysis of CNC Machine Spindle using LabVIEW

[1]G.V.V.S.Reddy Prasad, [2]Dr.Mervin A Herbert, [3]Dr.Shrikantha S Rao
[1] Asst. Professor, Sree Vidyanikethan Engineering college, Tirupati, [2]Asst. Professor, National Institute of Technology, Karnataka [3] Professor, National Institute of Technology, Karnataka
[1]reddyprasad519@gmail.com, [2]mathertoma@gmail.com, [3]ssresn@gmail.com

***Abstract*— Vibrations are one of the most important aspects in the dynamic stability considerations, especially in high speed machining. In this case, analysis and monitoring of the vibrations in Computer Numerical Control machine (CNC) spindles are of great concern for fault detection and implementing condition based maintenance. In this context, a study on vibration analysis of the CNC machine spindle is carried out by acquiring and analyzing the vibration signals, thereby the tool wear can be predicted. A single axis piezo-electric accelerometer is used to detect the vibration signals and Laboratory Virtual Instrument Engineering Workbench (LabVIEW), a graphical programming language, is used for acquiring and analyzing the signals. A graphical user interface was developed to represent the condition monitoring in a very effective way. The LabVIEW based condition monitoring system was found to be easier and accurate.**

Index Terms— *Computer Numerical Control machine, LabVIEW, Vibration monitoring system.*

I. INTRODUCTION

Vibration is the harmonic, periodic, and random motion of a rotating machine. Misalignment and looseness commonly generate vibrations in operating machines, and even a small amount of imbalance can cause severe damage to the machinery. Hence it is absolutely essential to ensure reliability and accuracy of rotating machinery which can be achieved by monitoring and analyzing. Vibration monitoring of machine tools also helps in monitoring the tool life, tool integrity, part quality and preventing unexpected tool failure causing unscheduled downtime.

The objective of the present work is to analyze the vibrations in CNC spindle using LabVIEW software.

II. LABVIEW

The present work requires vibration analysis to be carried out in LabVIEW software. Laboratory Virtual Instrument Engineering Workbench (LabVIEW) is a platform and development environment for a visual programming language from National Instruments. It is gaining its popularity especially for data acquisition and measurement. One area of application of LabVIEW is in the monitoring and analysis of vibration signals. It usually follow a three-step process: data acquisition, data analysis and data visualization/presentation. LabVIEW is designed to facilitate data collection and analysis, as well as offers numerous display options. With data collection, analysis and display combined in a flexible programming environment, the desktop computer functions as a dedicated measurement device.

Graphical User Interface (GUI) is a software that works at the point of contact (interface) between a computer and its user, and which employs graphic elements (dialog boxes, icons, menus, scroll bars) instead of text characters to let the user give commands to the computer or to manipulate what is on the screen. LabVIEW makes it easy to design graphical user interfaces (GUIs) for our measurement applications. One can interact with data using hundreds of drag-and-drop controls, graphs, and 3D visualization tools and also customize the size, position, and color of built-in controls or create our own in seconds.

III. METHODOLOGY

To monitor vibrations, a sensor that separates the frequency and quantifies the amplitude, is used. Because vibration frequency and amplitude cannot be measured by sight or touch, an instrument is needed which helps to convert the vibrations into a usable quantity that can be processed and displayed along a frequency axis. An accelerometer is the device that measures vibration or acceleration of a structure. **Piezoelectric** accelerometers use materials such as crystals, which generate electric potential from an applied stress. As

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RESEARCH PAPERS

EXPERIMENTAL STUDIES ON TURNING OF ALUMINIUM 6351 – T6 ALLOY UNDER MINIMUM QUANTITY LUBRICATION TECHNIQUE

By

VENKATA AJAY KUMAR. G *

K.L. NARASIMHAMU **

* Assistant Professor, Department of Mechanical Engineering, Annamacharya Institute of Technology & Sciences, Andhra Pradesh, India
** Assistant Professor, Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Rangampet, Andhra Pradesh, India

ABSTRACT

Cutting fluids are widely used in machining process, to remove the heat from the cutting zone. Minimization on usage of cutting fluid is more focused by present day industrialists and researchers for the economical and ecological reasons also. To address the above concern, Minimum Quantity Lubrication (MQL) is one of the technique which uses less cutting fluid to maximize the product quality and tool life. The present work reports the experimentations carried out under minimum quantity lubrication and dry conditions in turning of AL 6351-T6 alloy. The samples were turned out of five different spindle speeds (77, 184, 252, 673 and 922rpm). The effect of spindle speed on tool temperature and surface roughness are investigated here. It was found that increase in spindle speed in turning of AL6351-T6 alloy by using MQL reduced the surface roughness compared to dry condition.

Keywords: Minimum Quantity Lubrication (MQL), Aluminum Alloy, Turning, Surface Roughness.

INTRODUCTION

Machining is a controlled material removal process which finds its application in a variety of industrial sectors such as automobile, aerospace and defense. Similar to many other manufacturing processes, machining bears significant environmental impacts in terms of energy/ resource consumption, airborne emissions, wastewater discharge, and solid wastes along with occupational health risks (Kundrák et al. 2007). Most of these issues are due to the use of cutting fluids, which are traditionally formulated with petroleum-derived compounds with high ecotoxicity and low biodegradability. Exposure to these chemicals, along with growth of microorganisms and biocides used for microbial control, could lead to respiratory irritation, asthma, pneumonia, dermatitis, and even cancer (Park et al. 2010).

Cutting fluids have direct environmental impact. In flood coolant lubrication, large amount of fluid is drained into ground; it will create a lot of environmental pollution near the metal cutting industries. Cutting fluid (Çakır et al. 2015) application is important during the time spent machining in light of the fact that cutting liquids have a greasing up impact in decreasing the warmth produced in the cutting zone, diminish contact in the tool-chip interface furthermore move wears down from the cutting zone.

To address these concerns, extensive effort has been put forth to (1) extend the cutting fluid life span by removing particulates, free oils and other contaminants via separation and filtration, (2) reformulate traditional petroleum-based fluids with vegetable oils and bio-based ingredients for lower toxicity and higher biodegrad ability, and (3) reduce or even eliminate the reliance on cutting fluids during machining through dry machining and Minimum Quantity Lubrication (MQL) techniques.

Many alternatives are developed to minimize the use of cutting fluid quantity. Some of the techniques are

- Dry machining (Klocke and Eisenblätter 1998) – without the use of cutting fluid during machining.
- Cryogenic cooling (Evans and Bryan 1991) – liquid nitrogen at -196°C is applied at the cutting zone.
- Coated tools machining (Klocke and Krieg 1999) – coatings are applied by chemical vapor deposition and physical vapour deposition methods, a thin layer of material is deposited on the cutting insert.

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Experimental Investigation and Analysis of Process Parameters in Abrasive Jet Machining of Ti-6Al-4V alloy using Taguchi Method

K.Nagendra Prasad[a], D.john Basha[b], K.C.Varaprasad[a]

[a] *Sree Vidyanikethan Engineering College, Tirupati, Chittoor (Dist) Andhra Pradesh -517102, India*
[b] *DVR & DHS. MIC College of Technology, Kanchikacherla, Vijayawada, Andhra Pradesh-521180, India*

Abstract

Titanium (Ti-6Al-4V) alloy gained a significant importance because of owing to its light weight, corrosive resistant and high strength properties even at low to moderate temperatures. Basically, this titanium alloy is employed in fabricating medical device applications, aircraft industry, aerospace fasteners, high-performance automotive parts, marine applications, and sports equipment. It is difficult to machine a hole in Titanium alloy using conventional machining process. Abrasive Jet Machining (AJM) process under an-conventional machining process is one such solution which provides the solution for machining of holes on Ti-6Al-4V composite material. In the present paper, an effort has been made to optimize machining parameters employed during drilling on Ti-6Al-4V composite material using Abrasive Jet Machining. The influence of the various process parameters, i.e. pressure, nozzle diameter and stand-off distance on the predominant machining criteria on the metal removal rate (MRR) was studied. In this work, repeated number of experiments was carried out as per the Taguchi experimental design (L 27 3 levels, 3 factors). The settings of the process parameters were determined by using Taguchi's experimental design method. Orthogonal arrays of Taguchi, the signal-to-noise (S/N) ratio, and the analysis of variance (ANOVA) are employed to find the optimal process parameter levels and to analyze the effect of these parameters on metal removal rate values and the quality of the hole. Confirmation test with the optimal levels of machining parameters was carried out in order to illustrate the effectiveness of the Taguchi optimization method.

Selection and Peer-review under responsibility of Advanced Materials, Manufacturing, Management and Thermal Science (AMMMT 2016).

Keywords: Abrasive Jet Machining, Ti-6Al-4V, Taguchi, ANOVA

1. Introduction:

Titanium alloy Ti-6Al-4V has become very potential material in numerous engineering fields such as aerospace, sports, turbines, nuclear and biomedical due to their low density, high corrosion resistance and recommended for use at service temperatures up to approximately 350°C (660°F) [1]. However, these alloys are

Selection and Peer-review under responsibility of Advanced Materials, Manufacturing, Management and Thermal Science (AMMMT 2016).

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DOI 10.1007/s11277-017-4505-8

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BIFAD: Bio-Inspired Anomaly Based HTTP-Flood Attack Detection

K. Munivara Prasad[1] · A. Rama Mohan Reddy[2] · K. Venugopal Rao[3]

Abstract Application layer based DDoS attacks have changed the way DoS attacks are taking place with more subtle level of attacking methods being imparted, which pose an ever-increasing challenge towards the emerging trends of internet based application systems development. Among the key range of attacks that take place, HTTP flood DDoS attacks are on high. In the case of DDoS attacks based on HTTP flood, unusual quantum of requests are sent to the servers within quick time interval and it affects the response and the performance levels of the server . There are numerous solutions in contemporary literature, pertaining to thwarting HTTP flood kind of attacks. It is imperative from the analysis that there are constraints in the existing models since the most of these models are user session based and/or packet flow patterns. The session based evolution models are vulnerable to botnets and packet flow pattern based models are vulnerable if attack sources are equipped with human resource and/or proxy servers. Hence, there is inherent need for improving the solutions towards addressing the HTTP flood kind of attacks over the system. The crux for such system is about ensuring that fast and early detection with minimal false alarming in streaming network transactions, and ensures that the genuine requests are not impacted. To address such a system, the model of Bio-Inspired Anomaly based HTTP-flood detection aimed, and the proposed model depicted in detail along with experimental inputs. Results attained from the process exemplify the significance and robustness of the model towards achieving the objectives considered for the solution.

✉ K. Munivara Prasad
prasadkmv27@gmail.com

A. Rama Mohan Reddy
ramamohansvu@gmail.com

K. Venugopal Rao
kvgrao123@gmail.com

1 Department of CSE, JNTUH, Hyderabad, India

2 Department of CSE, SVUCE, SV University, Tirupati, India

3 Department of CSE, GNITS, Hyderabad, India

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Clustering of Labeled And Unlabeled Data By Integrating Pre And Post Clustering Approaches

[1] Mr.Asadi Srinivasulu [2] Dr.Ch.D.V.Subbarao [3] I. Muralikrishna
[1]Research Scholar of CSE, [2]Professor of CSE,
[1][2]Department of CSE,
[1]JNTUA, Anantapur,[2][3] S.V.University College of Engineering, Tirupati,

Abstract— Clustering is the process of organizing objects into groups whose members are similar in some way or differ significantly from other objects. There are two approaches viz., pre-clustering and post-clustering. Pre-clustering is an unsupervised learning that assigns labels to objects in unlabeled data. The important pre-clustering approaches that we have considered are Dark Block Extraction (DBE), Cluster Count Extraction (CCE) and Co-VAT (Visual Assessment of Cluster Tendency). The present work focuses on pre-clustering approach. The limitations of these pre-clustering algorithms are i) DBE can't handle the large data ii) CCE suffers because of perplexing iii) Co-VAT works with only rectangular data. Our work proposes Extended Dark Block Extraction (EDBE), Extended Cluster Count Extraction (ECCE) and Extended co-VAT to overcome the above said limitations. The following five steps results after integrating pre and post clustering approaches. They are 1) Extracting a VAT image of an input dissimilarity matrix. 2) Performing image segmentation on the VAT image to obtain a binary image, followed by directional morphological filtering. 3) Applying a distance transform to the filtered binary image and smoothing the pixel values on the main diagonal axis of the image to form a smoothening signal. 4) Applying first-order derivative and fast fourier transformation on smoothened signal for detecting major peaks and valleys. 5) Now post-clustering approach i.e. k-means algorithm is applied to the major peaks and valleys in-order to obtain refined clusters. The proposed algorithms viz., EDBE, ECCE and Extended Co-VAT uses VAT as well as the combination of several image processing techniques are applied on various real world data sets like IRIS, WINE and Image Data sets. These extended approaches use Reordered Dissimilarity Image (RDI) that highlights potential clusters as a set of 'Dark blocks' along the diagonal of the image. The simulation results show that EDBE, ECCE, Extended co-VAT outperform DBE, CCE and co-VAT in terms of time-complexity and accuracy of labeled and unlabeled data.

Keywords: **Clustering, DBE, CCE,CO-VAT, VAT, iVAT, EDBE, ECCE and Extended CO-VAT.**

I. INTRODUCTION

1.1 Introduction to Pre-clustering

Pre-clustering tendency assessment is a process of finding the number of clusters in data sets, which is an important and challenging issue. Pre-clustering is an approach suggested by Huse et al. 2010. A common problem in the data mining community is how to organize the observed data into meaningful structures. As an exploratory data analysis tool, cluster analysis aims at forming objects of similar kind into their respective groups. Several clustering algorithms have been studied and are mentioned in the literature survey. In general, clustering of unlabeled data pose many problems like assessing cluster tendency, i.e., how many clusters to form or what is the value of 'cluster count', partitioning the data into clusters, validating the cluster count and cluster performance i.e. how to increase the quality. Several attempts have been made to estimate number of clusters in a given data set. All these methods are used to identify the validity of the clusters, i.e., they try to select the best partition among all the alternatives. In contrast, tendency assessment attempts to estimate 'cluster count' before clustering occurs.

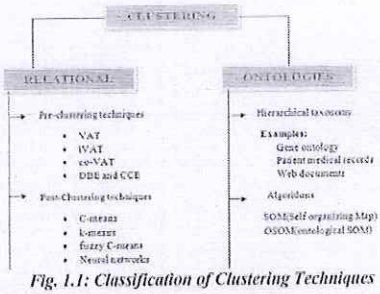


Fig. 1.1: Classification of Clustering Techniques

There are large numbers of clustering algorithms reported in the literature such as VAT, iVAT, DBE, CCE,

FPYM: development and application of a fuzzy-based Poka-Yoke model for the improvement of software performance

K.K. Baseer*

Department of CSE,
JNTUA, Ananthapuramu,
Andhra Pradesh, India
Email: kkbasheer.ap@gmail.com
*Corresponding author

A. Rama Mohan Reddy

Department of CSE,
SVUCE, SV University,
Andhra Pradesh, India
Email: ramamohansvu@yahoo.com

C. Shoba Bindu

Department of CSE,
JNTUA, Ananthapuramu,
Andhra Pradesh, India
Email: shobabindhu@gmail.com

Abstract: Improving qualities of software like reliability, availability, maintainability, cost, time and energy is key role in software development. These qualities are more dependable on the requirements, design, development, testing and deployment. In order to improve the software qualities on these cycles, avoiding mistakes or making alarm for each activity may be suitable choice. This is effectively studied using Poka-Yoke model which is applied in various production, manufacturing and software industries. Due to advantages of Poka-Yoke model, we have developed fuzzy-based Poka-Yoke model for small-scale software companies. This work aims to study the workflow and activities of two small scale companies involved in software development. In the case study, software performance attributes are defined and performance is analysed using four metrics called, UGAM, IOI, SM and SSM. The collected data is then extensively analysed to identify: the individual characteristics of companies, correlation behaviour of companies which they implemented the proposed model, improvement analysis over the period of time with the proposed model and forecasting the software performance for next products.

Keywords: software quality; Poka-Yoke; fuzzy logic; usability goals achievement metric; UGAM; index of integration; IOI; software performance.

Reference to this paper should be made as follows: Baseer, K.K., Reddy, A.R.M. and Bindu, C.S. (2017) 'FPYM: development and application of a fuzzy-based Poka-Yoke model for the improvement of software performance', *Int. J. Innovative Computing and Applications*, Vol. 8, No. 2, pp.65–80.

Biographical notes: K.K. Baseer received his Bachelor of Technology and Master degrees in Computer Science and Engineering from JNTUH, Hyderabad. Currently, he is pursuing his PhD at JNTUA University, Ananthapuramu. Currently, he is an Assistant Professor in Department of Information Technology, SVEC, Tirupati, India. His areas of interest include software engineering, software architecture, IRS, and other latest trends in technology. He has more than eight years of experience in teaching and in industry in the area of computer science and engineering.

An Essence of Soft Computing Techniques on Software Development Life Cycle

C Shoba Bindu
Professor, Department of CSE, JNTUA

E Sudheer Kumar
Assistant Professor, Department of CSE,
Sree Vidyanikethan Engineering College, Tirupati

K K Baseer
Asso. Prof., Dept. of IT,
Sree Vidyanikethan Engineering College, Tirupati

Software Engineering is a discipline that aims at producing high quality of software through systematic, well planned approach of software development. To accomplish high quality software it is indispensable to produce defect free product. Defect is the unexpected or undesired conduct that occurs in the product. Anything related to defect is a recurrent process not a particular state, whereas enlightening the qualities of software like reliability, usability, availability, maintainability, cost, time and energy is key role in software development. These qualities are more loyal on the requirements, analysis, architecture, design, development, testing and deployment.

In order to improve the software qualities on these cycles, shunning mistakes or making alarm for each activity may be suitable choice. Each and every element of software is diligently related to software quality. The software quality decreases when the software complexity increases. Therefore, understanding, measuring, managing, controlling and minimizing the software complexity is a big challenge in software engineering. It is important to focus on quality, monitoring the product and system performance. On the other hand, usability is important to safeguard the software quality and to increase the speed and accuracy of the range of tasks carried out by the users of a system because in software industries, the performance of the software is mostly improved through usability. In order to accomplish all of these needs in software development environment, some of the Soft Computing Techniques (SCT's) will helps in a better way. These are Poka-Yoke, Fuzzy Logic, Neural Networks, Particle Swarm Optimization, Genetic Algorithm, etc. This study gives an essence and impact of SCT's on Software Development Life Cycle (SDLC).

1. Introduction to SCT's

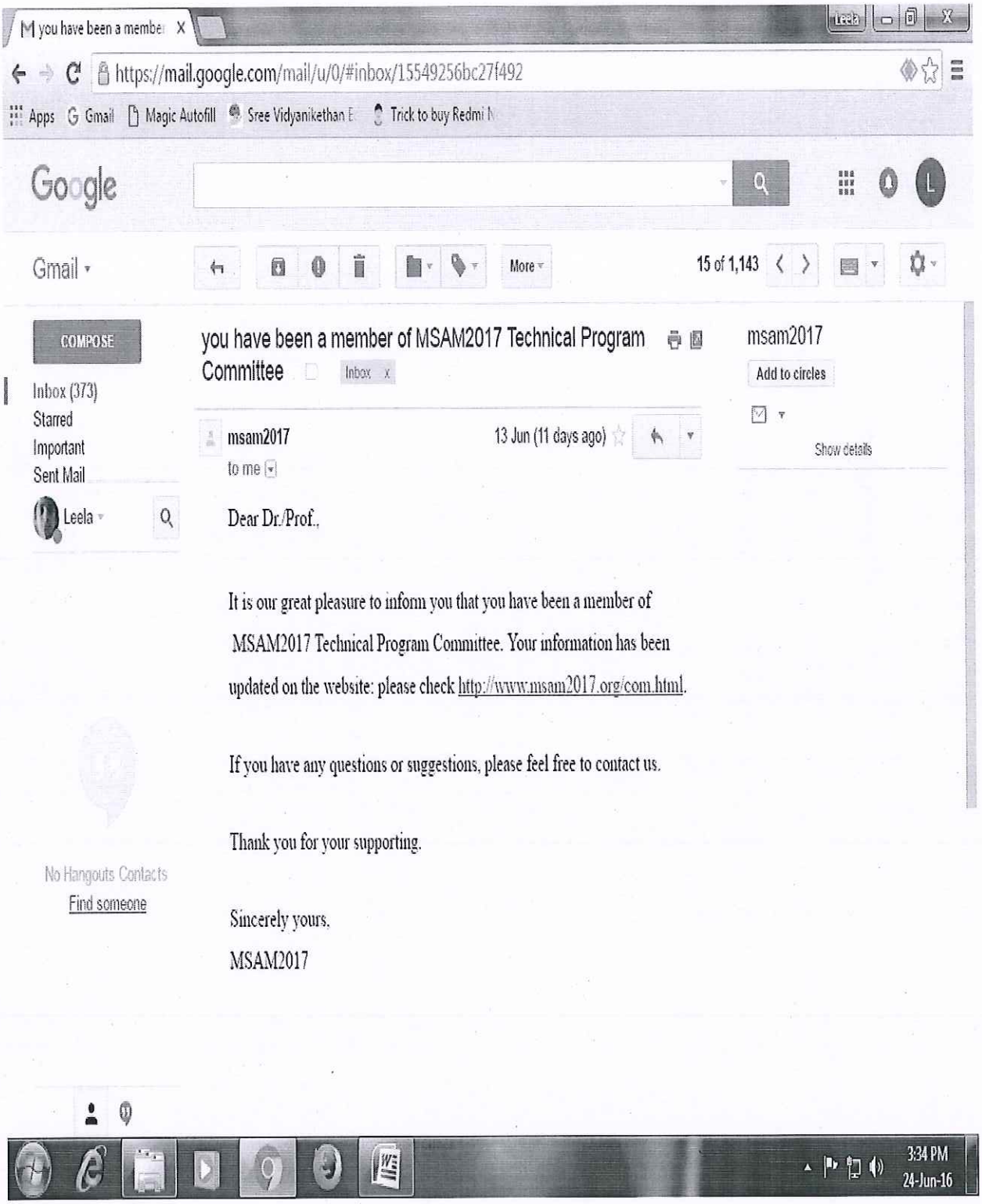
The following are the suitable SCT's used for the development of defect free software in improving the quality:

Poka-Yoke: In software development processes, Poka-Yoke concept is one of the methods to enrich usability and quality. Poka-Yoke (PY) which is a Japanese term, Poka means mistake and Yoke means prevent which is mistake preventing or mistake proofing technique. HP introduced PY into their Common Desktop Environment software and prevents hundreds of defects before it reaches to their customers. Shigeo outlines a method that uses sensor or other devices for hooking errors that may pass by operators or assemblers and it is said to be PY. A finest example of Poka-Yoke design from manufacturing industry is SIM card slot in cell phones. The seamless example of Poka-Yoke process in software application is Gmail email attachments feature.

Fuzzy logic: This theory was developed by Lofti A. Zadeh in the 60's and is based on the theory of fuzzy sets. It deals with the vagueness, uncertainty and imprecision of many real-world problems and also to simulate human reasoning and its ability of decision making based on not so precise information present in the early phase. Some of the promising key application areas of Fuzzy Logic (FL) which have been recognized are - Project Planning, Software Reliability Prediction, Software Usability, Software Quality Assessment, Performance Analysis of Software, Test case Allocation, Software Reusability, Software Fault Prediction and Size Estimation.

Neural Networks: It was developed to model the neural architecture and computation of the human brain. A Neural Network (NN) consists of simple neuron-like processing elements. Processing elements are interconnected by a network of weighted connections that encode network knowledge. NNs are highly parallel and exercise distributed control. NNs have been used as memories, pattern recall devices, pattern classifiers, and general function mapping engines. A classifier maps input vectors to output vectors in two phases. Neural Network (NN) can be used to build tools for software development and maintenance tasks, it can perform better in estimations & predictions, and it is used in integrating security at the design level of SDLC and also can be used across a variety of testing criteria.

Particle Swarm Optimization: Swarm Intelligence (SI) is an innovative distributed intelligent paradigm for solving optimization problems that originally took its inspiration from the biological examples by swarming, flocking and herding phenomena in vertebrates. PSO is a robust stochastic optimization technique based on the movement of intelligent swarms. PSO applies the concept of social interaction to problem solving. The basic concept of PSO lies in accelerating each particle towards its Pbest and Gbest locations with a random weighted acceleration at each time. PSO will be used to estimate the parameters for predicting software reliability, helps controlling the quality and predicting cost of software, it will help the project managers to efficiently plan the overall SDLC of the software product, can perform performance prediction, trades-off between architectural designs alternatives, and also it can be used to effectively generate alternatives in spanned design



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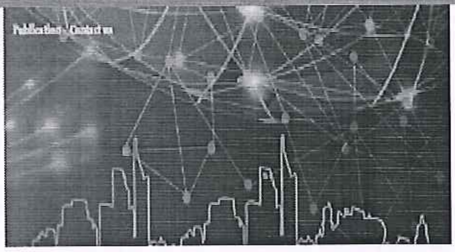

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CHARACTERISTICS OF GATE WRAP AROUND DOUBLE-WALLED ARRAY CARBON NANOTUBE FIELD EFFECT TRANSISTOR

Presented

by

Dr.P.Geetha
Sree Vidyanikethan Engineering College,
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At

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Indian Nanoelectronics Users Program
Centre for Nano Science and Engineering (CeNSE), IISC. Bangalore

Verification and Fabrication of Double-Walled Array Gate Wrap Around Carbon Nano Field Effect Transistor

Dr.P.GEETHA, Asso.Prof, ECE, SVEC, Tirupati.

Research Team
Dr.D. Leela Rani & Dr.N. Padmaja ,
Prof, ECE, SVEC, Tirupati.

DEVICE STRUCTURE

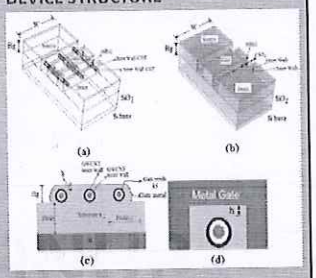

Figure 1.(a) Internal wired 3-D View, (b) Transparent internal 3-D View, (c) & (d) Cross sectional views of GWADWACNT FET

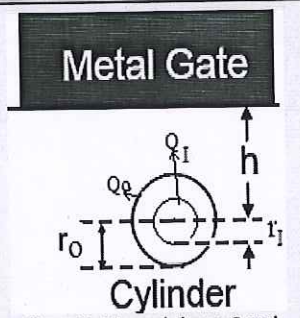

Figure 2. The real charge Q and Its image charges Q1 and Q2

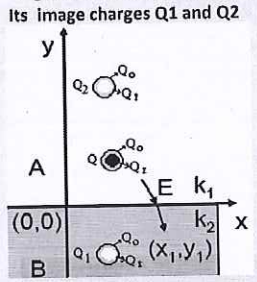

Figure 3. Charge profile of a cylinder

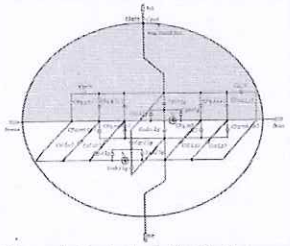

Figure 4. Equivalent circuit of capacitive model for DWAGWA CNTFET

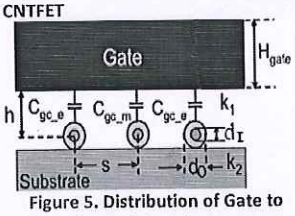

Figure 5. Distribution of Gate to Channel Capacitances

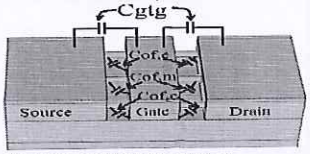

Figure 6. Distribution of Fringe capacitances and Gate-to-gate Capacitance

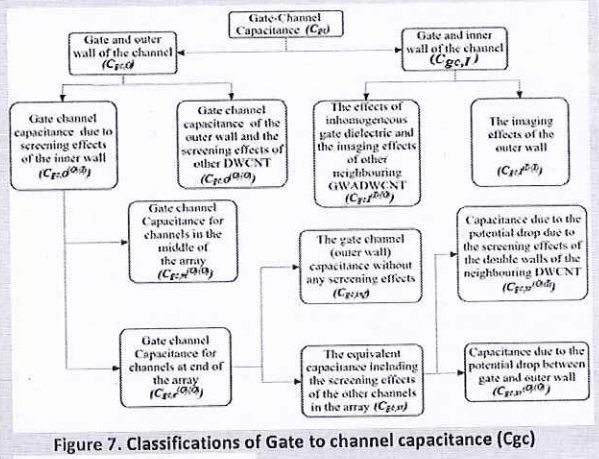

Figure 7. Classifications of Gate to channel capacitance (Cgc)

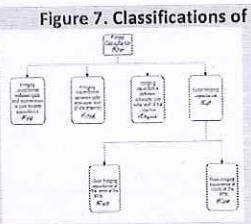

Figure 8. Classifications of Fringing capacitance

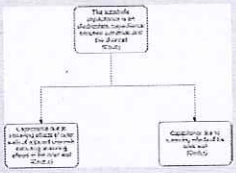

Figure 9. Classifications of Substrate capacitance

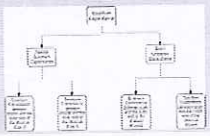

Figure 10 Classifications of Quantum capacitance

The driven capacitance and drive current are calculated with following relations

$$I = min(N,2).(I_e^{(Q)} + I_e^I) + \max(N-2,0).(I_m^{(Q)} + I_m^I)$$

and Driven capacitance

$$C = C_g L_g + f_{miller}.2\left(C_{of}^{(g)} L_s + C_{gs} W_{pitch}\right) + C_{gsub}$$

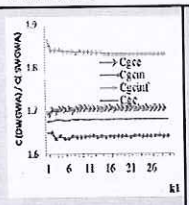

Figure 11. Capacitance ratio between DWGWA and SWGWA for different gate dielectrics.

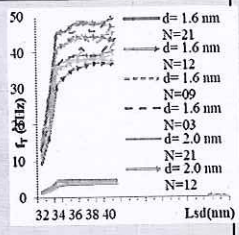

Figure 12.High frequency resonse for change in source/Drain length with various diameters and channel densities.

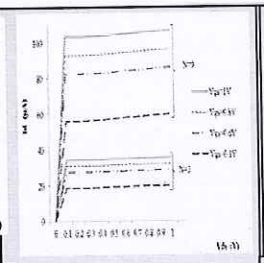

Figure 15. The variation of drain current with respect to drain voltage for N=3, 9.

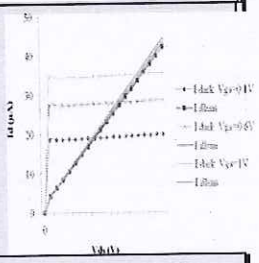

Figure 16. Variation of Drain current with respect to drain voltage with and without illumination for various Vgs.

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2.MATLAB

CONCLUSION: DWGWA CNTFET is examined theoretically and it is found that it confirms higher performance in capacitance values compared to that of SWGWA CNTFET. It is proved that the device with double-walled channels demonstrate its enhanced presentation by providing higher capacitance values with respect to the corresponding single wall channelled device. Optical gate double-walled gate wrap around array CNTFET has been modelled as an extension of its electrical model. The induced charge carriers with optical power reduce the depletion width which increases the drain current. In this work, it is found that the device model can be used for designing mixers and oscillators.

For Enhancing Our Research Following Facilities Required From IISC, Bangalore :

1. H/w facility for fabrication and practical verification of the device Characterisitcs.

REFERENCES: *[1] J.Deng and H.-S.P.Wong,"Modelling and analysis of planar-gate electrostatic capacitance of1-D FET with multiple cylindrical conducting channels,"IEEE Trans .Electron Devices,vol.54,no.9,pp.2377–2385, Sep.2007.*
[2] Jun Zh.Huang and Wen-Yan Yin,"Modeling and Performance Characterization of Double-Walled Carbon Nanotube Array Field-Effect Transistors", IEEE Transactions on Electron Devices,Vol.58,No.1, pp.17–25, Jan 2011.
[3]X. Wang, H.-S. P. Wong, P. Oldiges, and R. J. Miller, "Gate capacitance optimization for arrays of carbon nanotube field-effect transistors," in Proc. Device Res. Conf., 2003, pp. 87–88.
[4] Md.RakibulKarimAkanda and QuaziD.M.Khosru, "FEM Model of Wraparound CNTFET With Multi- CNTand Its Capacitance Modelling,"IEEETrans.Electron Devices,vol.60, No.1,pp. 97–102,Jan.2013

Think Nano 2017

Centre for Nano Science and Engineering (CeNSE), IISC,Bangalore.

E-PAPER FOR VISUALLY CHALLENGED

S.RANJITH, III B.TECH,ECE,

Sree Vidyanikethan Engineering College, Tirupati.

UNDER THE GUIDANCE OF

Dr.P.GEETHA, Asso.Prof, ECE,

Sree Vidyanikethan Engineering College, Tirupati.

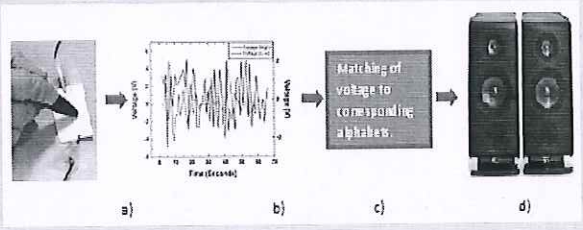

Figure:2) Proposed system of process of conversion of energy. a) Writing up the massage b) Output voltage achieved using ZnO NWs c) Matching the voltage with alphabets d) Loud Speaker.

Aim: To develop a prototype for visually challenged people to have an experience of writing sense using ZnO Nanowire.

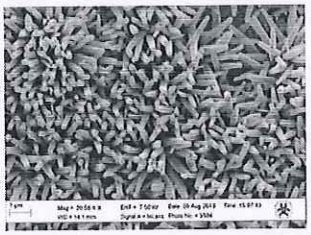

Figure 1) A low magnification SEM micrograph of the ZnO NWs grown on paper substrate.

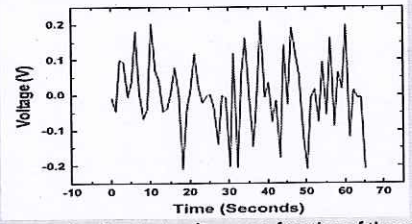

Figure 3) the open circuit output voltage as a function of time of a NG fabricated by pure polymer ink andwiched between two ZnO NWs grown on paper.

Objectives:

- To utilize the miniaturization tool - nano technology for supporting the visually challenged persons.
- To develop an E-paper that will help the physically challenged people for writing on a paper with no difficulty.

Brief Description of Project: Visually challenged people can read but, it is hard for them to experience the sense of writing. They seek the help of others to write their scripts. If a system can facilitate them to enjoy writing, that will improve their confidence.In this work, an E-paper is proposed that converts the mechanical energy (handwriting) to electrical energy. The excellent piezoelectric property of Zinc Oxide can be utilized for the purpose. Chemically ZnO nanowire is grown on one side of two papers. PVDF (Poly vinylidene fluoride) ink is pasted in between the two papers. Electrical potential is generated by the mechanical pressure exerted by the writer while writing on the paper. This signal can be processed and programmed for hearing the texts.

Conclusion: The fabrication cost is low, environment friendly, non-toxic and highly compatible. Thus, this solution will make the people could go for flexible handwriting converting the impossibility of writing as a possible skill.

ADVANTAGES:

1.it is of low fabrication cost, user and environment friendliness.
2.it is high compatibility with micro fabrication technology
3.it is non toxic.

SCOPE:

Other applications includes

1. E-note for journalists
2. E-note for students

REFERENCES:

[1] E.S. Nour, M.O. Sandberg, M. Willander, O. Nur, " Handwriting enabled harvested piezo electric power using ZnO nanowires/polymer composite on paper substrate", Nano Energy (2014) 9, 221 –228.

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[3] Zhong Lin Wang and Jinhui Song, "Piezoelectric Nanogenerators Based on Zinc Oxide Nanowire Arrays", SCIENCE VOL. 312, (2006), 242-246.

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[5] Azam Khan, Mushtaque Hussain, Omer Nur and Magnus Willander, "Mechanical and piezoelectric properties of zinc oxide nanorods grown on conductive textile fabric as an alternative substrate", J. Phys. D: Appl. Phys. 47 (2014) 345102 (9pp).

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Prof. Migyung Cho,
Department of Game Engineering,
Mobile: +82 10 81777605
Dongmyong University,
428, Sinseon-ro, Nam-gu, Busan,
608-711, Republic of Korea
mgcho@tu.ac.kr

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Dear Alexander.O. Raevskii

Greetings. Thanks for accepting our manuscript entitled with **"Design of Two by Three Element Fractal Tree Antenna Array for WLAN and WiFi Applications"** to publish in your esteemed journal "Journal of Communications Technology and Electronics.

I am agree for the copyright transfer of the above manuscript as a co-author

Thanking you

Yours Sincerely

mgcho

(Migyung Cho)

Greetings

geetha prahalad <mailpgeetha2013@gmail.com>

to Meyya

Dear Sir,
Thank you for your response. I want to have your technical suggestions that if I want to replace CNTs for Si nanowire in detection of biomarkers, is it feasible in terms of operation as well as fabrication?

Meyyappan, Meyya (ARC-T) <m.meyyappan@nasa.gov>

to me

That is a more descriptive question. Hard to answer still. If you are using them as thin films, either would be fine. But if you are growing them vertical on the substrate as electrodes, vertical silicon nanowire is much tougher to grow.

Attaching probes to CNT vs silicon is completely different since carbon chemistry and silicon chemistry are not the same. Protocols are different

geetha prahalad <mailpgeetha2013@gmail.com>

to Meyya

Thank you sir. Let me try to give you the entire flow so that I can have your feedback. Very happy to have conversation with such a great personality. Let me take some more time and let you know. Thank you once again.

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"No Objection Certificate" (NOC) from the second author to present a paper in the International Conference

I am **Dr.Balamati Choudhury** Co-author for the paper titled "Patch Antenna with a Novel Defected Ground Structure for Increased Bandwidth and Radiation Efficiency" was accepted for the Oral presentation in ICCES 17 Metamaterial Symposium, Madeira Islands in Portugal. I agree & I don't have any objection to present a paper in the conference. This paper has not been published in the same form elsewhere. It will not be submitted anywhere else for publication.

Balamati Choudhury
30/03/2017

(Balamati Choudhury)

Institution of Electronics and Telecommunication Engineers

401&402, 4th Floor, AVR Complex, Balaji Colony, Tirupati - 517502
email: tirupati@iete.org, Tel.: 9247007122

05

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Student Representatives **NIL**

(66)

Prof. Jaesool Shim,
Department of Mechanical Engineering,
Mobile: +82 10 28007605
Yeungnam University,
214-1 Dae-dong Gyeongsan-si, Gyeongsangbuk-do
E-mail: jshim@ynu.ac.kr
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Dear Alexander.O. Raevskii

Greetings. Thanks for accepting our manuscript entitled with **"Design of Two by Three Element Fractal Tree Antenna Array for WLAN and WiFi Applications"** to publish in your esteemed journal "Journal of Communications Technology and Electronics.

I am agree for the copyright transfer of the above manuscript as a co-author

Thanking you

Yours Sincerely

(Jaesool Shim)

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Submission Last Date : 15-Jan-2017
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ICACCI 2017, Manipal, India - Invitation to serve as Reviewer

icacci.manipal@gmail.com <icacci.manipal@gmail.com> Sun, Dec 11, 2016 at 1:25 PM
To: Nimmagadda Padmaja <padmaja202@gmail.com>

Dear Dr. Nimmagadda Padmaja

We would like to inform you that the sixth edition of International Conference on Advances in Computing, Communications and Informatics (ICACCI'17) (http://icacci-conference.org/2017/), will be held in Manipal, Karnataka, India during Sept. 13-16, 2017. Since its inauguration in 2012, ICACCI has developed into a reputable conference and is well attended by experts in all aspects related to computing and information from all over the world.

Manipal is a suburb within the city of Udupi in Karnataka, India. Udupi is a popular pilgrimage centre and tourist spot. It is a land of ethereal beauty, sandwiched between the verdant mountains of the Western Ghats on the east and the vast, tranquil Arabian Sea on the west. The venue of the Conference is Manipal University (http://manipal.edu/mu/about-us.html).

On behalf of Organizing Committee, we would like to invite you to serve as a reviewer for the conference. As a leading researcher in the field, your opinions and expertise are very valuable and important for a successful conference. We hope you will accept this invitation.

Please indicate at the URL below whether you can serve on the TPC:

http://edas.info/Tyn.php?tpc=999121701

Your EDAS user name is padmaja202@gmail.com

As a reviewer, you would be expected to review a maximum of 3 papers in your area of interest. The review period will be during the month of May 2017.

Thank you for your collaboration!

Best regards,

Chairs, ICACCI-2017, Manipal, India

Certificate

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ICACCI

LNMIIT
The LNM Institute of Information Technology

5th International Conference on
Advances in Computing, Communications & Informatics

21-24 September 2016, Jaipur, Rajasthan, India

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This is to place on record with thanks that Nimmagadda Padmaja

from Sree Vidyanikетan Engineering College & Tirupati, INDIA

was an esteemed Chair for sessions on Signal/Image/video/speech Processing/ Computer Vision/Pattern Recognition

in 5th International Conference on Advances in Computing, Communications and Informatics (ICACCI'16) held at The LNM Institute of Information Technology, Jaipur, Rajasthan, India during 21 – 24 September 2016.

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IEEE SMC
Systems, Man, and Cybernetics Society

Gmail

padma choda <padmaja202@gmail.com>

[WCI-2017] Invitation to serve as member

icacci.manipal@gmail.com <icacci.manipal@gmail.com> Tue, Feb 28, 2017 at 11:50 AM
To: Nimmagadda Padmaja <padmaja202@gmail.com>

Dear Dr. Nimmagadda Padmaja:

You are invited to serve as member for Fifth International Symposium on Women in Computing and Informatics (WCI-2017) - http://icacci-conference.org/2017/wci-home. The Symposium is co-affiliated with ICACCI-2017. The Conference will be held in Manipal, India during September 13-16, 2017. ICACCI-2017 is technically co-sponsored by IEEE Communications Society.

Please indicate at the URL below whether you can serve on the TPC:

http://edas.info/Tyn.php?tpc=999230835

Your EDAS user name is padmaja202@gmail.com .

Regards,

Chairs, ICACCI-WCI 2017
http://icacci-conference.org/

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TO WHOM IT MAY CONCERN

Date: 24/09/2016.

Ref. No: IKP/PR/Cert/ 2016/AJOMCOR/4326

We hereby certify that ***Dr. Nimmagadda Padmaja*** *of* ***Jawaharlal Nehru Technological University, Anantapur, India*** *was invited for peer reviewing of the below mentioned Manuscript.*

Journal Name:	*Asian Journal of Mathematics and Computer Research*
Manuscript Number:	*2016/AJOMCOR/4326*
Title of the Manuscript:	*Application of Condorcet, Bordo, Kopland and Simpson rules to rational organization and control ground observation set network of remote sensing of urban air*

Dr. Nimmagadda Padmaja *completed the review in time and submitted very important review comments, which helped to maintain the high peer review standard of this international journal. We sincerely thank you for your time and service.*

Thanking you.

P Mondal

(Mr. P. Mondal)
Director, International Knowledge press

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DESIGN AND SIMULATION OF DIGITAL BEACON RECEIVER

By

V. REVATHI * P. PARVATHI ** G. HEMACHANDRA ***

* PG Scholar, Department of Electronics and Communication Engineering, Sri Vidyanikethan Engineering College, Tirupati, India.
** Scientist/Engineer-SE, National Atmospheric Research Laboratory (NARL), Gadanki, Tirupati, India.
*** Assistant Professor, Department of Electronics and Communication Engineering, Sri Vidyanikethan Engineering College, Tirupati, India.

Date Received: 05/05/2017 Date Revised: 12/06/2017 Date Accepted: 22/07/2017

ABSTRACT

The detailed simulation of Digital Beacon Receiver which consists of Low Noise Block Convertor (LNBC) and L-band Down Convertor (LBDC) by using Keysight Technologies Advanced Design System (ADS) Software. In the propagation path between satellite to ground stations, some natural phenomena such as atmospheric gases, watervapour, oxygen molecules, clouds, rain, dust, fog, existing in different layers of the atmosphere, including troposphere can cause some impairment on the availability and quality of satellite link service periods. This natural phenomenon cause errors and problems such as attenuation change in polarization, fading delay and dispersion. Particularly at higher frequencies such as Ku and Ka bands, effects of those propagation phenomena will not be neglect able and they should be considered. For reliable and secure satellite communication theoretical and experimental propagation study in different frequencies and region is essential. ISRO has setup two beacon signals at 20.2 and 30.5GHz on board GSAT-14 for this purpose. There is a different method to study satellite wave propagation such as radar, radiometer, signal beacon method and satellite beacon method. Satellite beacon method is one of the most important reliable and inexpensive methods in comparison with the other methods. This paper presents the design simulation of the receiver setup for the above purposes.

Keywords: Low Noise Block, L- Band, ADS Software, Digital Beacon Receiver, Budget, Chebyshev BPF.

INTRODUCTION

Ka band suffers attenuation due to rain and India being a tropical region, the impact of rain on Ka band propagation is more severe [1]. None of the existing ITU models are validated for predication attenuation correctly and hence it calls for a new propagation experiment to validate the existing models and come out with more suitable and accurate models to have a guaranteed QOS. The experiment involves measurement of beacon amplitude, rain rate and other meteorological parameters. The Ka band digital beacon receiver is an integral sub-system of this experiment to measure beacon amplitude with greater accuracy with a large dynamic range and to provide the amplitude data every second to the mathematical models for further prediction. The challenge involves co-polar and cross-polar amplitude measurement with higher accuracy over a large dynamic range at faster update rate.

1. Objective

Designed a unique low-cost Digital Beacon receiver at 20.2GHz frequency with dual polarization using a single antenna system using low noise RF design and Digital Beacon receiver and it was simulated by Keysight Advanced Design System (ADS) software. The performance of the receiver system has been considered for different input power levels using various simulation techniques such as Harmonic Balance, S-parameter, Power budget Analysis and Transient Simulation. The digital receiver and signal processing system and estimate the signal strength of the beacon signal.

2. Satellite Link Calculations

The information carrying capacity of any radio communication link is determined by the RF power at the receiver input [2].

Indonesian Journal of Electrical Engineering and Computer Science
Vol. 3, No. 2, August 2016, pp. 446 ~ 452
DOI: 10.11591/ijeecs.v3.i2.pp446-452

TreeNet Analysis of Human Stress Behavior using Socio-Mobile Data

B Padmaja*, VV Rama Prasad, KVN Sunitha
Department of CSE, JNTUH, Hyderabad, Telangana, India
Department of CSE, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh, India
Department of CSE, BVRITH College of Engineering for Women, Hyderabad, Telangana, India
*Corresponding author, e-mail: b.padmaja@gmail.com

Abstract

Human behavior is essentially social and humans start their daily routines by interacting with others. There are many forms of social interactions and we have used mobile phone based social interaction features and social surveys for finding human stress behavior. For this, we gathered mobile phone call logs data set containing 111444 voice calls of 131 adult members of a living community for a period of more than 5 months. And we identified that top 5 social network measures like hierarchy, density, farness, reachability and eigenvector of individuals have profound influence on individuals stress levels in a social network. If an ego lies in the shortest path of all other alters then the ego receives more information and hence is more stressed. In this paper, we have used TreeNet machine learning algorithm for its speed and immune to outliers. We have tested our results with another Random Forest classifier as well and yet, we found TreeNet to be more efficient. This research can be of vital importance to economists, professionals, analysts, and policy makers.

Keywords: *reality mining, social network analysis, sensor data, human stress*

1. Introduction

The Internet and mobile phone technologies have become part our daily lives and it transformed the way of working and social interactions of modern societies. Modern day smart phone technologies contains a class of mobile applications, which supports social interaction among individuals, exploiting the growing power of smart phones to offer a variety of services.

Nathan Eagle and Alex Pentland from Media Laboratory, MIT coined the term "Reality Mining" which is the collection and analysis of machine-sensed sensor data pertaining to human social behavior, with the goal of identifying predictable patterns of human behavior [1]. Human interactions are studied based on the usage of Smart phones and GPS systems and assemble a more complete picture of what individuals do, with whom they communicate and where they go.

Reality mining research shows the pattern of movement, known as behavior pattern, between the places where a person works, lives, eats and hangs out [2]. Social behavior of people has been shown to affect their obesity levels [3], reproductive fitness [4], productivity [5], software adoption [6], college choices, substance abuse, political affiliations [7], health characteristics [3, 8], spending behavior [9], happiness [10] and financial status [11]. Few reality mining experiments also focus on sleep and mood as they have significant public health impact with societal and financial effects [12].

In the last decades, many researchers in sociology have described stress behavior as a social construct by pointing out humans social influences which play a major role. And call log based social interaction patterns provide more predictive power on human stress.

The organization of the paper is as follows. We survey the related work followed by listing out the social network measures used in this paper. We present a TreeNet Gradient Boosting technique for characterizing stress behavior, and discuss the socio-mobile and stress features used to study the interconnections. Next, Social network features are listed out according to their priority and the influence of top predictor on the target class is shown through visualizations.

Received March 2, 2016; Revised June 25, 2016; Accepted July 10, 2016

CSE-18 9

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(90)

An Efficient Approach for Evolution of Functional Requirements to Improve the Quality of Software Architecture

Artificial Intelligence and Evolutionary Computations in Engineering Systems pp 775-792

- M. Sunil Kumar (1) Email author (sunilmalchi1@gmail.com)
- A. Rama Mohan Reddy (2)

1. Department of CSE, Sree Vidyanikethan Engineering College, Tirupati, India
2. Department of CSE, S.V.U. College of Engineering, SV University, Tirupati, India

Conference paper

First Online:
06 February 2016

Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 394)

Abstract

Software architecture will be designed within the early phases combined with the development process; the huge constraints makes it possible for the achievement of certain functional requirements, quality attributes (non-functional requirements), and also business goals. Metaheuristic search algorithm performs an important role within the software architecture design to improve the performance of obtaining an optimal solution from the huge search space. This particular paper mainly focusses on balancing the combinations of "Adaptive Genetic algorithm," which has to be applied. It has incorporated the usage of roulette wheel selection operators; this technique is implemented in java and it also finds out global minima as well as time reduction when compared with Genetic algorithm.

Keywords

Software architecture Functional requirements Quality attributes Responsibility Metaheuristic search algorithms Adaptive genetic algorithm Simulated annealing

References

1. Pan W. Applying complex network theory to software structure analysis. World Acad Sci Eng Technol. 2011;60:1636–42.

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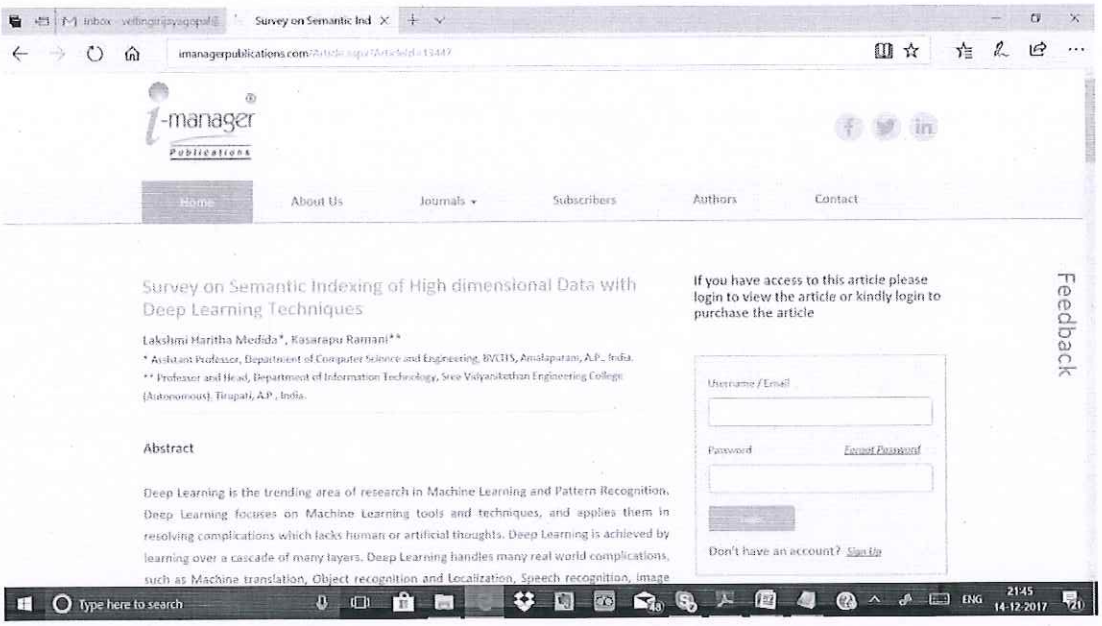
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* Assistant Professor, Department of Computer Science and Engineering, BVCITS, Amalapuram, A.P., India.
** Professor and Head, Department of Information Technology, Sree Vidyanikethan Engineering College (Autonomous), Tirupati, A.P., India.
Abstract
Deep Learning is the trending area of research in Machine Learning and Pattern Recognition. Deep Learning focuses on Machine Learning tools and techniques, and applies them in resolving complications which lacks human or artificial thoughts. Deep Learning is achieved by learning over a cascade of many layers. Deep Learning handles many real world complications, such as Machine translation, Object recognition and Localization, Speech recognition, image
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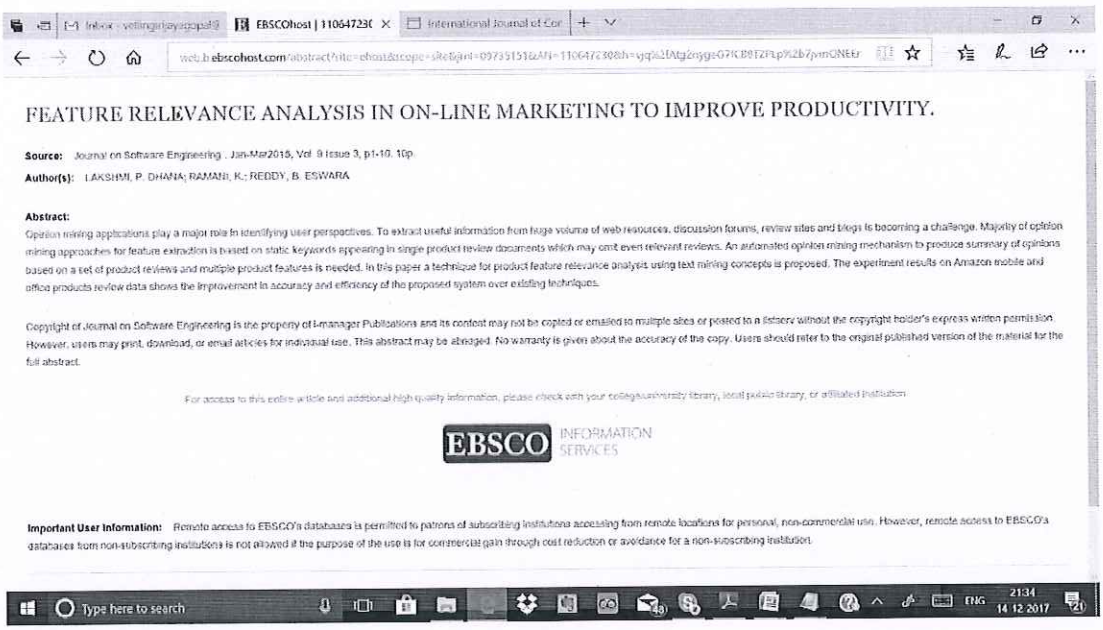

FEATURE RELEVANCE ANALYSIS IN ON-LINE MARKETING TO IMPROVE PRODUCTIVITY.

Source: Journal on Software Engineering . Jan-Mar2015, Vol. 9 Issue 3, p1-10. 10p.

Author(s): LAKSHMI, P. DHANA; RAMANI, K.; REDDY, B. ESWARA

Abstract:
Opinion mining applications play a major role in identifying user perspectives. To extract useful information from huge volume of web resources, discussion forums, review sites and blogs is becoming a challenge. Majority of opinion mining approaches for feature extraction is based on static keywords appearing in single product review documents which may omit even relevant reviews. An automated opinion mining mechanism to produce summary of opinions based on a set of product reviews and multiple product features is needed. In this paper a technique for product feature relevance analysis using text mining concepts is proposed. The experiment results on Amazon mobile and office products review data shows the improvement in accuracy and efficiency of the proposed system over existing techniques.

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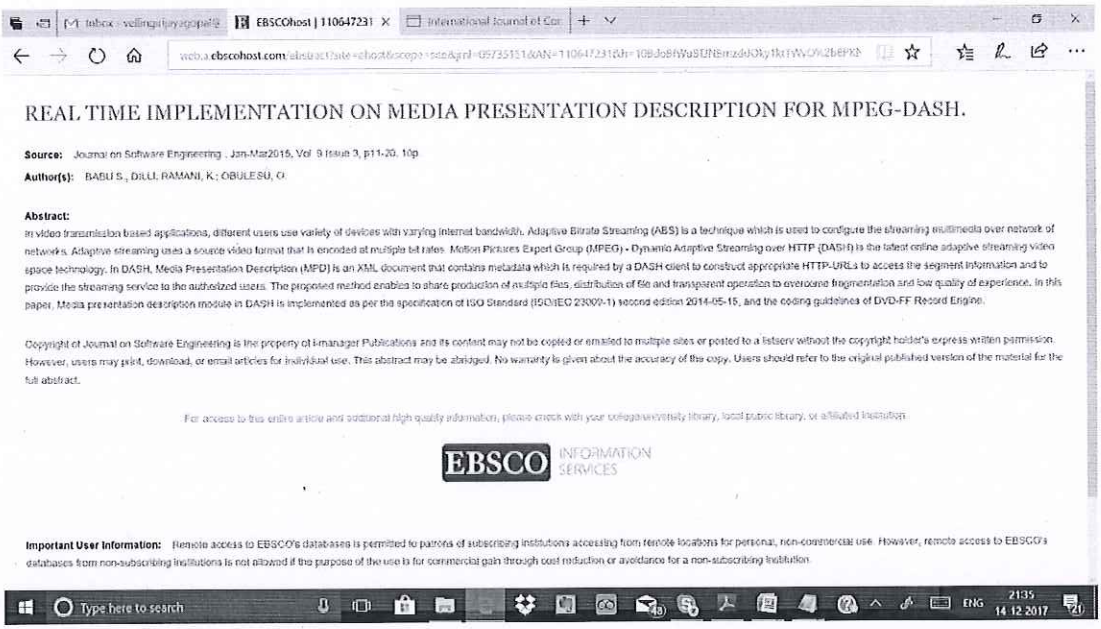


REAL TIME IMPLEMENTATION ON MEDIA PRESENTATION DESCRIPTION FOR MPEG-DASH.

Source: Journal on Software Engineering ; Jan-Mar2015, Vol 9 Issue 3, p11-20, 10p

Author(s): BABU S ; DILLI, RAMANI, K ; OBULESU, O

Abstract:
In video transmission based applications, different users use variety of devices with varying Internet bandwidth. Adaptive Bitrate Streaming (ABS) is a technique which is used to configure the streaming multimedia over network of networks. Adaptive streaming uses a source video format that is encoded at multiple bit rates. Motion Pictures Expert Group (MPEG) - Dynamic Adaptive Streaming over HTTP (DASH) is the latest online adaptive streaming video space technology. In DASH, Media Presentation Description (MPD) is an XML document that contains metadata which is required by a DASH client to construct appropriate HTTP-URLs to access the segment information and to provide the streaming service to the authorized users. The proposed method enables to share production of multiple files, distribution of file and transparent operation to overcome fragmentation and low quality of experience. In this paper, Media presentation description module in DASH is implemented as per the specification of ISO Standard (ISO/IEC 23009-1) second edition 2014-05-15, and the coding guidelines of DVD-FF Record Engine.

Report on XLr8ap Workshop

XLr8ap (Accelerate AP), a **Global Accelerator** is set up by the **GoAP , APIS (AP Innovation Society)** at **Tirupati**. As a part of its services to academic partners, various programs like workshops, lectures and business counseling are being conducted regularly. On **December 7, 2016** , XLr8ap Workshop was conducted from **9.30 a.m to 2.00 p.m** at RCR Avenue, Karakambadi Road. Senior level faculty from various institutions nearby Tirupati attended the workshop.

The **main objective** of the workshop is to understand what is needed to create an Enabling Ecosystem for **Entrepreneurship Development** and to provide exposure how a technology is taken to commercial stage and to market for **enabling new startups**

The workshop started at 9.30 a.m by a formal introduction of XLr8ap, their team and its objectives by **Ms.A.P.Aruna** Programme Manager XLr8AP, Tirupati. **Mr.Glenn's Robbinson**, MD, XLr8AP gave a brief introduction and report on the activities of their accelerator worldwide. He then introduced **Dr.Nahum Goldmann**, a leading expert and a renowned lecturer on building and securing e commerce and e governance solutions.

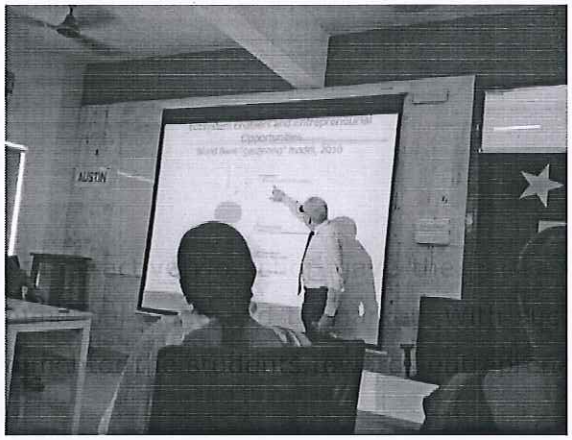
Dr.Nahum Goldmann from Canada delivered a talk "**Ecosystem Enablers in Global World**" about the IC2 practices that would be good enough to get an idea about what is happening around the world in entrepreneurship space. He mainly focused on understanding the process flow from idea to Commercialization and how to take up research for commercial success.

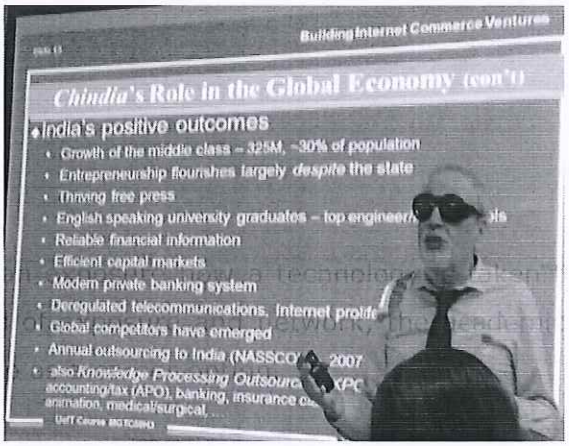
From 11 a.m to 12.30 noon, there was an interactive session with the startup companies and with the members of the **Cohort-1 startup companies**. Several entrepreneurs discussed about their business plans, requirements, opportunities, competitions, strategies and their future ideas.

Further from 12.30 noon to 2.00 p.m, Dr.Nahum Goldmann delivered a talk on " **Building Internet Commerce Ventures" and "Chindia's Role in the Global Economy".**

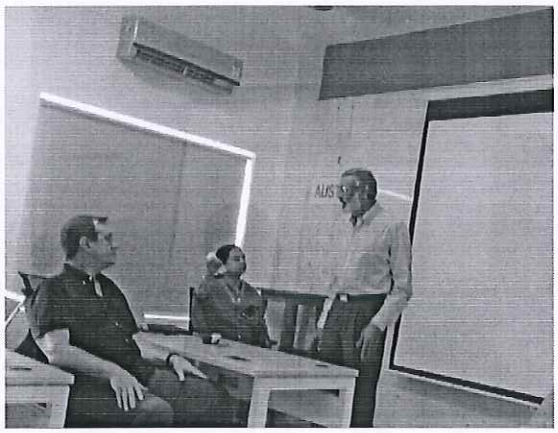
This interactive workshop gave the participants an exposure how a technology is taken to commercial stage and to market. With such kind of exposure and network, the academics can mentor the students towards entrepreneurship as a career option.

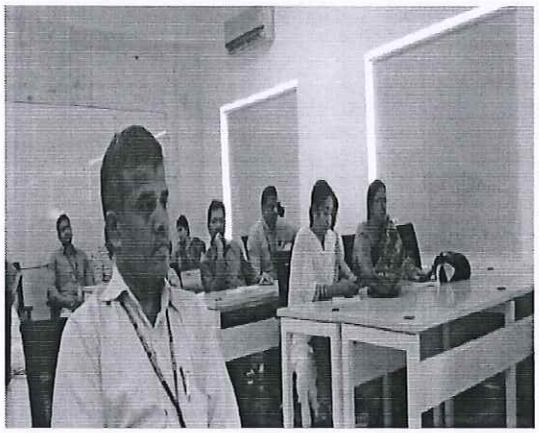
The program ended with a formal vote of thanks at 2.00 P.M followed by Lunch.





Dr. Nahum Goldmann from Canada delivering the talk





Interactive session with the members of the Cohort-1 startup companies and Participants from various Institutions

Dr. N Padmaja
Professor of ECE
SVEC, Tirupati

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Gmail

padma choda <padmaja202@gmail.com>

Inviting to act as an Editorial Board Member - reg

Prakasam P <prakasamp@gmail.com> Thu, Feb 25, 2016 at 10:48 AM
To: padmaja202@gmail.com

Dear Prof. Dr. N. Padmaja,

Greetings from Prof Dr.P.Prakasam.

Myself Dr.P.Prakasam, working as a Professor/Principal at United Institute of Technology, Anna University, India. As a technical contribution to the society, I have started a 100 % double blind review non-profitable journal in the area of Signal Processing and Wireless Networks.

Name of the Journal: **Journal of Signal Processing and Wireless Networks**

Website: **www.jspwn.com**

I have gone through your profile and I understand that you are expertise in the filed of Signal/Image Processing/Wireless Networks. Hence I invite you to be a part of JSPWN team as Editorial Board Member.

Hope you will accept my request and we will work as a team for the betterment of the society.

I am expecting positive reply.

--
Thank you

With regards,

Dr.P.Prakasam
Principal
United Institute of Technology,
Periyanaickenpalayam, Coimbatore - 641020
Tamilnadu, India.
Ph: +91 97894 41919
&
Editor-in-Chief
Journal of Signal Processing and Wireless Networks
A peer-reviewed international journal
website: **www.jspwn.com**

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dlrani79@gmail.com

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OPVD Based Video Steganography with High Capacity

V.Navya[1] V.Komala Devi[2] U.Somalatha[3] P.G.Mamatha

Assistant Professor, Dept. of ECE, SVEC, Tirupati, Andhra Pradesh[1]
Assistant Professor, Dept. of ECE, YITS, Tirupati, Andhra Pradesh[2]
Assistant Professor, Dept. of ECE, VEMU, Chittoor, Andhra Pradesh[3]
Assistant Professor, Dept. of ECE, SPMVV, Tirupati, Andhra Pradesh

Abstract--Information security has become the area of concern as a result of widespread use of communication medium over the internet. Therefore different video steganography algorithms like least significant bit substitution (LSB), pixel value differencing (PVD) have been proposed to hide large amount of information inside a video but these methods provide less secure of information. So new Octonary PVD approach is proposing to improve the efficiency and Data security in video Steganography with high embedding capacity while concurrently sustaining the video quality.

In this approach, frames in video are selected using pseudo random order to hide the data and within a frame it performs pairing a pixel with all of its neighbors in all the eight directions to increase the embedding capacity and the number of bits embedded in each pixel is based on the nature of its region to enhance the perceptual quality. MATLAB tools are used to implement this proposing technique.

Keywords--Data hiding, video steganography, pseudo random sequence, Pixel value differencing.

I.INTRODUCTION

In cryptography, the information is scrambled to transmit it securely but hacker may know the presence of secret data. In view of this, steganography provides the secure transmission of data without knowing even the presence of data. In steganography, the information is hidden inside any one of the cover file like image, video, audio etc. Image steganography hides the information inside an image which hides less information and others also can detect the artifacts if more information is hidden. So video steganography is proposed to hide much more information because video is a set of frames or still images. The artifacts are not detectable if a cover is a video.

The frames in the video act as ... so the image steganography techniques ... hide information in each selected frame. ... steganographic technique is LSB ... where every pixel least significant bit ... with the secret message bit and it ... capacity. Other technique is PVD(Pixel Differencing)[1] where the difference ... between neighboring pixels to hide ... information. It hides much information ... replacement. Tri way PVD [4] is ... PVD technique which increases the ... capacity by calculating the difference ... in three directions.A novel technique ... to hide much more information without ... the quality of a cover fileby calculating ... difference of pixels in eight directions.

II.PROPOSED METHOD

A. *Embedding Phase*

The video is a collection of ... proposed method only some of the frames ... are selected based on PN sequence to provide ... security. After selecting the frames ... embedding technique is directly applied to ... secret information. Finally all the frames ... both stego frames and original frames ... form stego video which is similar to the ... video with hidden information.

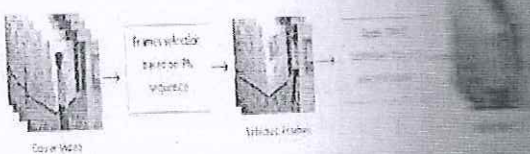

Fig 1: Block diagram of Video steganography ... OPVD

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DOA Estimation of Multipath Signals Using ULA Antennas

[redacted]
Assistant Professor, Dept. of ECE,
[redacted], Chittoor, Andhra Pradesh[1]

V.Navya[2]
Assistant Professor, Dept. of ECE,
SVEC, Tirupati, Andhra Pradesh[2]

Abstract: A Smart antenna plays an important role in advanced wireless communication systems. One of the most important property of smart antenna is that it is capable of directing its main beam towards the direction of desired signal and forming the nulls in the direction of interfering signals. The various Direction of Arrival (DOA) estimation algorithms are used to locate the desired signal in smart antenna system. This paper presents an effective spatial differencing method for DOA estimation of multiple uncorrelated and coherent narrowband signals. In this method, uncorrelated sources are estimated using conventional subspace methods and the remaining coherent signals are estimated using the spatial differencing technique. The performance of this DOA estimation algorithm based on Uniform Linear Array (ULA). Simulation results shows that proposed method can obtain higher resolution and accuracy as the number of array elements increases.

Keywords: Smart antenna, DOA, Spatial differencing, Coherent signals, ULA.

1. INTRODUCTION

DOA estimation for signals impinges on an antenna array is a very important issue for wireless communication systems. Several high resolution methods have been proposed and developed for finding direction of arrival (DOA) such as multiple signal classification (MUSIC) [1], estimation of signal parameter via rotation invariance techniques (ESPRIT) [2] and smooth music [3]. But, this methods applicable only when the signals are uncorrelated and there is a need for large number of signal snapshots. However, in real environments the signals are coherent or correlated due to multipath propagation. Those high resolution methods will fail in such environments since they essentially require the signals to be uncorrelated.

A commonly applied decorrelation methods to address this problem is spatial smoothing technique. In this technique the original array is divided in to multiple overlapping sub-arrays, and then averages the sub-arrays output covariance matrices to form the spatially smoothed covariance matrix [4]. This method does not work well as the signals become highly correlated. Under a mild restriction, the required number of antennas can be further reduced by using an improved spatial smoothing scheme referred to as the forward backward spatial smoothing (FBSS) technique [5]. With the combination of FBSS technique and MUSIC to estimate DOAs. This method is referred to as FBSS MUSIC. Unfortunately, this technique requires the number of sensors in each sub array should be greater than the number of signals and the number of sub arrays is greater than or equal to the number of signals. Sarkar and Hua [6], [7] utilized the matrix pencil (MP) based on the spatial samples of the data. The analysis is done by snapshot-by-snapshot basis, therefore non-stationary environments can be handled easily. Matrix pencil method can find DOA easily without performing the additional processing of spatial smoothing as required in some of the conventional covariance matrix based techniques. However, the required signal-to-noise-ratio (SNR) is too high to put the method in to application. An ESC [8] method is proposed for the estimation of DOA in the presence of uncorrelated and coherent signals. The uncorrelated signals are estimated firstly by using the conventional subspace methods and their contribution is eliminated by ESC of the array. Finally, the remaining coherent signals are estimated by utilizing the non-Toeplitz matrix. The number of signals resolved by the ESC method can exceed the number of array elements. However, the computational cost of the ESC method is high, whereas, the performance degrades with utilizing only one constructed matrix. A spatial smoothing differencing method is presented in [9]. It utilizes the forward smoothing matrix and the backward smoothing matrix to eliminate the uncorrelated sources. This method can resolve more sources. Unfortunately, the differencing matrix is rank deficient for odd number of coherent signals after the covariance matrix of uncorrelated signals is subtracted. Thus, it needs extra processing to recover the rank. Some methods based on a higher order cumulants are proposed in [10], [11] to resolve more signals. However, these methods require a more number of snapshots and call for an enormous amount of computations.

In this letter, a new spatial differencing method is proposed for DOA estimation in the presence of uncorrelated and coherent signals coexist. The uncorrelated signals are estimated firstly using conventional subspace methods, and their contribution is eliminated by exploiting the proposed method, such that only coherent signals remain in the spatial differencing matrix to estimate the coherent signals.

The rest of the paper is organized as follows. The signal model is presented in section 2. Section 3 focused on DOA estimation of the proposed method and related formulations. In section 4, simulation results are presented to illustrate the performance of the proposed method. Finally, section 5 concludes the paper.

2.SIGNAL MODEL

Consider K narrow band signals $s(t)$, from directions $\theta_i (i = 1,2, \ldots, K)$, impinging on a uniform

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Simulation of Frequency Reconfigurable Square Log Periodic Microstrip Antenna Array

Rajanarendra Sai
Assistanat Professor
Department of Electronics&Communication Eng.
Sree Vidyanikethan Engineering College, Tirupathi
sai.rajanarendra@gmail.com

Karthik Reddy Govinola
Assistanat Professor
Department of Electronics & Communication Eng.
MLR institute of Technology,Hyderabad.
gkarthik914@gmail.com

Abstract -**This paper describes the design and analysis of a frequency reconfigurable square microstrip patch antenna using the log periodic technique. The three square patches are fed by inset feed line technique and are connected with a single transmission line by a log-periodic array formation to form a wideband frequency from 2.9 to 3.4 GHz. By applying three PIN Diodes at the transmission line, two different sub-band frequencies are configured by switching ON and OFF the PIN Diode. Simulation results of return loss, realized gain, directivity for every sub bands also presented and discussed along with the antenna design.**

Keywords - **log-periodic antenna, reconfigurable frequency, PIN diode, wideband, microstrip**

1.INTRODUCTION

Reconfiguraable antennas have received much attention than the passive antennas as they can provide diversity functions in operating frequency, polarization, and radiation pattern to wireless The reconfiguration can be implemented through the PIN diode switches[2], MEMS [5] or varactor diodes. However, electronic tunability using PIN diode is more frequently used because of its efficiency and reliability especially in dynamic bandwidth allocation. There has been a dramatic increase in the awareness of reconfigurable antenna for applications in future wireless communications such as cognitive radio [8], RFID applications, ground pentrating radar applications and multi-frequency communication.The advantage of frequency reconfigurable antenna is that it can be reconfigured into any frequency in wideband range and can change dynamically, either transmitting or receiving on a single antenna instead of using multiple antennas as usual.

Microstrip patches are often used as single element antennas in certain applications, but in case of conventional microwave antennas, characteristics such as high gain, beam scanning, or steering capability are possible only when discrete microstrip patches are combined to form arrays[10,11]. The frequency independent behavior of an antenna is very useful as it increases its area of application

In [3],Yang and RahmatSamii presented a more practical way to construct a frequency-reconfigurable patch antenna by introducing a switchable slot. A vertical slot is cut in the patch antenna with a diode switch placed across the slot in the middle. When the switch is on, the horizontal main current of the patch's first resonance is only slightly disturbed as compared to the case with no slots. But when the switch is turned off, the horizontal current is forced to detour around the slot and travels a longer path; as a result, the patch antenna resonates at a lower frequency.

In this paper, a log-periodic antenna with the feature of reconfigurability is developed to meet the requirements in terms of the return loss, radiation pattern, gain, and ease of integration with switching circuitry. The proposed antennais designed from the combination of three elements by using the logperiodic technique with the scaling factor of 1.05. As each element radiates at different frequency bands, the logperiodic antennas are easy to select required band from wideband, when compared with other wide band antennas. The IE3D software is used to carry out the simulation for the reconfigurable log periodic antenna.

The antenna is analyzed based on several parameters such as return loss, radiation pattern, gain, directivity and bandwidth.

2.ANTENNA DESIGN

The geometrical structure of the proposed three element logperiodic microstrip antenna with reconfigurability is as shown in figure 1. The concept of frequency reconfigurability is investigated based on changing the position of the switches to ON or OFF. This antenna can perform in frequency range from 2.9 GHz until 3.4 GHz with two different sub bands. There are three circular patches with inset fed lines, which are connected with a log-periodic array formation to a 50 Ω microstrip transmission line on a top layer of substrate. The antenna structure is developed on a FR-4 substrate which has relative permittivity of 4.5, with a thickness of 1.6 mm and loss tangent of 0.019.

The log periodic microstrip antenna is a more conventional approach for the implementation of a broadband antenna. The basis of this design is the linear array of coplanar patch antennas with the size and spacing of the patches increasing in a log periodic manner. The design principle for log-periodic wideband microstrip antenna requires scaling of dimensions from period to period so that the performance is periodic with the logarithm of frequency. The patch diameter (d) and the inset feed distance (I) are related to the scaling factor (τ) by equation as shown below.

$$\tau = \frac{d_{m+1}}{d_m} = \frac{I_{m+1}}{I_m} \qquad (1)$$

The first patch (lower frequency) diameter is 13.81 mm with resonant frequency at 3 GHz and it is scaled by a factor of 1.05 to obtain the second patch dimension of 13.15 mm which has a resonant frequency at 3.15 GHz. Second patch diameter is once again scaled by a factor of 1.05 to obtain the third patch diameter of 12.52 mm with a resonant frequency at 3.3 GHz. The space between each patch (Dm) is a half wavelength apart thus giving a forward fire radiation pattern and reducing mutual

MEMORANDUM OF UNDERSTANDING

Between

DEPARTMENT OF CIVIL ENGINEERING
SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)
A. RANGAMPET

AND

SARATHY GEOTECH & ENGINEERING SERVICES PVT. LTD.
BANGALORE

This Memorandum of Understanding is entered into on this **21st day of November 2016** between Department of Civil Engineering, Sree Vidyanikethan Engineering College (Autonomous), A. Rangampet (hereinafter called SVEC) situated at A. Rangampet, Tirupati-517 102, Andhra Pradesh and Sarathy Geotech & Engineering Services Pvt. Ltd., # 671, 6th C Main, 11th Cross, 3rd Phase, JP Nagar, Bangalore – 560078, Karnataka, India (hereinafter called "SGES" which expression shall include its successors and permitted assignees) with its registered office at Bangalore.

1. PREAMBLE

Sree Vidyanikethan Engineering College was established in the year 1996 by Dr. M. Mohan Babu, a renowned movie artiste, producer and former Member of Parliament (RS) and Padma Shri Awardee has grown in its size and stature over the years, from an initial intake of 180 to 2094 students to serve the cause of technical education in the backward region of Rayalaseema of Andhra Pradesh. The grand vision of the Chairman, missionary zeal of the CEO Mr. Vishnu Manchu, object oriented management, competent faculty and brilliant students are the hallmarks of the Institution. The College now offers 5 Diploma, 8 B.Tech, 7 M.Tech, 2 Research Programs and MCA with faculty strength of over 500. The College is located in a sprawling campus of about 30 acres, amidst sylvan surroundings with aesthetically built infrastructure at Sree Sainath Nagar area in the temple town Tirupati. The College is known for its quality initiatives which are reflected in accreditations by NBA, NAAC and many multinational organizations such as TCS and IBM.

SREE VIDYANIKETHAN ENGG. COLLEGE TIRUPATI

The College is accorded Autonomous status from the Academic Year 2010-2011, 2(f) and 12(B) of UGC Act 1956 and "UGC-Colleges with Potential for Excellence" status under CPE Scheme by UGC, New Delhi, 'GOLD' category by CII-AICTE Survey and 'A' Grade by Department of Higher Education, Andhra Pradesh. The College is implementing TEQIP-II under Sub-Component 1.1, a World Bank and MHRD, Government of India initiative. The College is undertaking research projects funded by agencies like DST, INUP, ISRO-RESPOND & UGC besides Establishment of research infrastructure such as National MEMS Design Centre under the aegis of NPMASS and IISc, Atmospheric Research Laboratory. MoUs with Confederation of Indian Industry (CII), NASSCOM, Knowledge Incubation for Technical Education (KITE) Centre, IIT, Hyderabad, Indian Telecom Innovation Hub – TBI (ITIH-TBI) and Andhra Pradesh State Skill Development Corporation (APSSDC) for enhanced Industry Institution Interface. The College is organizing training and skill development activities with industry expertise for placements in various corporates.

The Department of Civil Engineering was established in the academic year 2009-2010 with an intake of 60 students. Further the intake of students has increased from 60 to 120 during the academic year 2011-12. Competent faculty and excellent infrastructure are the hallmarks of the Department. The Department is endowed with well established laboratories with sophisticated instruments. The Department is surging ahead with Research, consultancy and testing services as the prime development initiatives in domain of Civil Engineering.

Sarathy Geotech and Engineering Services Pvt. Ltd., (SGES), founded by Dr. C. R. Parthasarathy, with its registered office at Bangalore, India, was established in 2008 to provide both offshore and on-land integrated geotechnical engineering services in India and abroad.

SGES's goal is to exceed the expectations by offering services backed by standardized methodologies based on industry best practices with quality care. SGES's Consultants and Staff have experience, working for several national and international clients on projects that require diverse range of expertise.

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Sarathy Geotech & Engineering Services Pvt. Ltd. BANGALORE

SGES possess in-house engineering expertise gained with experience. One highlight of SGES's service is to help clients understand the key aspects involved in site specific engineering.
SGES diverse talented expertise has helped many clients by giving cost effective solutions. SGES prides it selves on its proven track record for effectively solving several site specific engineering problems.

2. OBJECTIVE

The Core objective is to establish a long term linkage with SGES to reduce the gap between Company expectations (practice) and academic offerings (theory) by direct involvement of Company to attain a symbiosis.

Thereby, Company, Institution, Faculty, Students and Society stand to gain with a synergistic partnership. The Institutions stand to gain by way of updated curricula, consultancy and R & D, source of manpower for employment, societal relevance, and most importantly acquisition of brand name/equity; Company stands to gain by way of availability of employable manpower pool, and increased productivity; faculty stand to gain by way of exposure to latest Company practices for more effective teaching-learning processes, students stand to gain through hands-on training, reduction of learning curve in industrial practices; and, society stands to gain by way of improved quality of goods and services.

3. SCOPE

(a) The Key benefits from SGES to SVEC are:

- Participating in bodies as the Board of Governors, Academic Council, Boards of Studies, Industry-Institute-interaction Cell and College Research Mentoring Cell
- Participating in curriculum design, development and update of the civil engineering programs.
- Deputing senior SGES personnel as adjunct faculty
- Partnering with Institution in establishing new laboratories and incubation centers.
- Collaborating in joint educational and extension programs.
- Participating in joint R&D activities
- Commercialization of technologies and products from joint intellectual property development.
- Organizing joint professional activities like conferences, workshops and seminars in the field of civil engineering.
- Organizing add-on programs in emerging areas of civil engineering.

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Sarathy Geotech & Engineering Services Pvt. Ltd. BANGALORE

- Providing opportunities for student groups to undertake problem-solving projects
- Supporting student research projects
- Training students, faculty and technical staff in new technologies and processes
- Providing assistance for improving employability including internships, entrepreneurial training specialized skill training required by Company and placement opportunities.

(b) The key areas in which SVEC can benefit SGES:

- The existing expertise available with SVEC can be utilized by SGES for technology assessment, up-gradation and absorption.
- Expert faculty can be deputed as members on Committees of SGES involving technology, research and training.
- SVEC will host a SGES regional training and development centre
- SVEC will encourage and enhance the activities and act as a Nodal center for developing new knowledge innovations and technologies which can be adopted by SGES.
- SVEC will undertake consultancy, testing and a few modules of projects of the SGES for implementation.
- SVEC will train the professionals from SGES in domain areas of Geotechnical Engineering
- SVEC will provide a large talent pool of students for recruitment

4. GENERAL

- This MOU shall enter in force upon signature by both Parties and remains in force, unless terminated earlier by either Party upon ninety (90) days, written notice to the other Party.

- The termination this MOU shall not affect the validity or duration of projects under this MOU that are initiated prior to such termination.

5. MONITORING AND IMPLEMENTATION

Coordination Committee consisting of The Head of the Department, one senior faculty member of Department of Civil Engineering, SVEC and an officer nominated by the SGES will look into the monitoring and implementation of the various aspects of the MOU. An annual review will be conducted to monitor the progress and in furtherance of the activities covered under the MOU.

Sarathy Geotech & Engineering Services Pvt. Ltd. BANGALORE

SREE VIDYANIKETHAN ENGG. COLLEGE TIRUPATI

6. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

For Sarathy Geotech & Engineering Services Pvt. Ltd., Bangalore.		**For Dept. of Civil Engineering, SVEC, A. Rangampet.**	
Signature	:	Signature	: 12/12/2016
Name	: **Dr. C. R. PARTHASARATHY**	Name	: **Dr. O. ESWARA REDDY**
Designation	: **Group Managing Director**	Designation	: **Professor & BOS Chairman**
Place	: **Bangalore**	Place	: **A. Rangampet**
Date	: 12-DEC-2016	Date	: 12-12-2016

Witness:

1. (PRASHANTH TALKAD)
2. (M.V Sudheendra)

Witness:

1. (B. RAVI SEKHAR)
2. (I. SUDARSAN KUMAR)

For SVEC, A. Rangampet.

Signature :
Name : **Dr. P. C. KRISHNAMACHARY**
Designation : **Principal**
Place : **A. Rangampet**
Date : 12-12-2016

SREE VIDYANIKETHAN ENGG. COLLEGE * TIRUPATI *

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Computational Prediction of Ligands with Multiple Protein Targets Involved in Type II Diabetes

P.V. Parvati Sai Arun, G. Apparao Naidu, Allam Appa Rao and Naresh Babu Muppalaneni

Abstract Based on the clustering coefficient applied in our earlier research paper, a total 10 proteins with high clustering coefficient were selected as the candidate proteins which involve in Type II diabetes. The downloaded PDB structures of these 10 proteins were submitted RASPD server for identification of putative drug targets. For many drug targets generated for each proteins by RASPD, we have selected a total of 10 drug molecules which are good candidates for all the 10 proteins. Further these 10 putative drug molecules were docked with each of the protein PDB and predicted the common drug which have capacity to bind for multiple proteins.

Keywords Drug targets · Protein-Protein interactions · Multi targets · Docking · Type II diabetes

P.V.P.S. Arun
CR Rao Advanced Institute of Mathematics, Statistics and Computer Sciences, Hyderabad, Telangana 500046, India
e-mail: arun.research.publications@gmail.com

G.A. Naidu
JB Institute of Engineering & Technology, Hyderabad, India
e-mail: apparaonaidu.g@gmail.com

A.A. Rao
Institute of Bioinformatics and Computational Biology Visakhapatnam, Visakhapatnam, India
e-mail: apparaoallam@gmail.com

N.B. Muppalaneni (✉)
SreeVidyanikethan Engineering College(A), Tirupathi, Andhra Pradesh, India
e-mail: nareshmuppalaneni@gmail.com

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The Research of Preprocessing and Pattern Discovery Techniques on Web Log files

P.Dhanalakshmi
Research Scholar
Computer Science & Engineering
JNTUA,Anantapuramu
mallidhana5@gmail.com

Dr. K.Ramani
Professor & Head
Department of IT
SVEC, A.Rangampet
ramanidileep@yahoo.com

Dr. B.Eswara Reddy
Vice Principal
JNTUA, Anantapuramu
eswarcsejntu@gmail.com

Abstract—**The increased on-line applications are leading to exponential growth of the web content. Most of the business organizations are interested to know the web user behavior to enhance their business. In this context, users navigation in static and dynamic web applications plays an important role in understanding user's interests. The static mining techniques may not be suitable as it is for dynamic web log files and decision making. Traditional web log preprocessing approaches and weblog usage patterns have limitations to analyze the content relationship with the browsing history This paper, focuses on various static web log preprocessing and mining techniques and their applicable limitations for dynamic web mining.**

keywords—Static Logs,Graph models, Asscociation rules, Web log, Navigation patterns.

I. INTRODUCTION

The personalized web recommendation system is becoming increasingly important due to its high utility and the availability of a large number of web page content. Many researchers have tried to implement online recommended systems by using static behavior models. Static models are used to describe the user's short term profile by using user's web request. The nature of static problems is associated with the historical data, i.e. the lack of interaction between a product and the user and between the two or more products. The existence of missing data in dynamic web content seems to be more significant than the static data. However, to analyze the dynamic web content, the recommended system needs to parse a lot of historical data and predict, how the customer will browse the page or web product [1].Web log mining is the process of analyzing user behavior and user navigation patterns in static web logs or dynamic web logs. The majority of the web customers are non-experts and find it difficult to study the historical user's patterns and their behavior towards the online content. Moreover, the emergence of online services such as e-commerce, e-banking and e-learning has changed the purpose in which turning web sites into businesses and increasing the business competition[2].

Sequential pattern mining models are applied to discover the frequent web usage patterns between the page requests, session time and browsing history, etc. However, these sequential models have certain limitations such as:

- Need to maintain huge data structure in memory space throughout the execution due to the database scans.
- Increase in memory size due to its high dimensional attributes and values.
- Lack of predicting a user's next access patterns based on historical data.

Web usage mining applications are used to find the web visitors' profiles and their behavior in terms of strengths and weaknesses of their web applications. The main issue focused by any web usage model is data increases per second with different server log file formats. Learning about the customer's behavior , predict their requirements in the future , monitoring the file structure and content of the web service according to their navigation behavior is necessary. Accurate web usage patterns could help to improve the new users, retain existing customers, optimize cross sales, customers' interest, etc. The usage decision patterns can improve the web server efficiency by using different caching techniques so as to minimize the server response time. The user's profile could be designed by integrating customer's page navigation paths with other attributes such as server response, session time, page duration, hyperlink and page content.

Applications of web usage mining include mining conceptual visiting user profile hierarchies and interesting patterns from the web log files for building the frequent web access structures using tree based Markov model or association models. Since web usage mining approaches consider only server logs due to security issue of information on the client side. The set of limitations of the server side are :

- IP addresses and sequence of page requests in the log file are not a reliable fields, because some pages are cached by the web server or browser and proxy.
- It is difficult to interpret the session duration in the server log file, as the same IP address can be used different users at different intervals (i.e. 30 minutes default time).
- Also server log files are difficult to predict without log preprocessing.
- Since server log files have different structures and formats, it is difficult to apply same preprocessing or knowledge based techniques.

A. *Static Web Pattern Mining:*

The basic structure of the static web log framework has four phases namely static data collection, data cleaning , pattern discovery techniques and pattern analysis with output. This framework can be shown in Fig.1. In the first phase, static web log files are extracted from the server in one of the standard formats using temporal basis. Since, the server log files are raw data with uncertain information, it is preprocessed using field extraction, user identification and session

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(114)

Efficient Techniques for Clustering of Users on Web Log Data

P. Dhana Lakshmi, K. Ramani and B. Eswara Reddy

Abstract Web usage mining is one of the essential framework to find domain knowledge from interaction of users with the web. This domain knowledge is used for effective management of predictive websites, creation of adaptive websites, enhancing business and web services, personalization, and so on. In nonprofitable organization's website it is difficult to identify who are users, what information they need, and their interests change with time. Web usage mining based on log data provides a solution to this problem. The proposed work focuses on web log data preprocessing, sparse matrix construction based on web navigation of each user and clustering the users of similar interests. The performance of web usage mining is also compared based on k-means, X-means and farthest first clustering algorithms.

Keywords Web usage mining · Sparse matrix · Clustering · Influence degree · K-means · X-means and farthest first algorithm

1 Introduction

Digitalization of information and rapid growth of information technology lead to enormous data in all domains in variety of formats and entire data may not be useful to all users as it is. Data Mining helps to extract only relevant information from these large repositories. Web is a huge repository of text documents and multimedia data. Mining useful data from the web is known as web mining and it is classified as: Web content analysis, web usage mining, and web structure analysis.

P. Dhana Lakshmi (✉) · K. Ramani
Sree Vidyanikethan Engineering College, Tirupathi, India
e-mail: mallidhana5@gmail.com

K. Ramani
e-mail: ramanidileep@yahoo.com

B. Eswara Reddy
JNTUA College of Engineering Kalikiri, Kalikiri, India
e-mail: eswarcsejntua@gmail.com

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Web Forum Questions using Answers Retrival Information

[1]Dr.P.Sivakumar, [2]Dr. V. Bhoopathy,
[1]Associate Professor, Department of CSE,
Sree Vidyanikethan Engineering College (Autonomous) ,Tirupathi, Andhra Pradesh
[2]Sr. Asst. Professor, Department of CSE,
Madanapalle Institute of Technology & Science(Autonomous),Madanapalle, Andhra Pradesh.

ABSTRACT

Forum, or message board, is an online discussion site where people can hold conversations in the form of posted messages. Often many number of users can answer for a question, problem here is predicting the most relevant answer for a question. This paper presents a clustering model using WordNet to find out the relevant answers for the question. In this project a new methodology is put forward for question-answer (QA) model. The most relevant answer for the question is selected by using this methodology. Here the stop words are removed from both question and answers. The answers without stopwords are clusters separately; say if there are n numbers of answers we have n number of clusters. Similarly stopwords are removed from the question and clustered with WordNet. WordNet is a word database, we collect the similar words for the question terms using WordNet and clustering it. Finally the answer clusters and question cluster are compared, the answer cluster which has the close relationship with the question cluster is chosen as a best answer for the question.

Keywords- Forums, Question-Answer, Word Net, Clustering.

I. INTRODUCTION

An International Computer Network (Internet) has become a major tool for Communication, Training, Fundraising, Media Operations, and Recruitment. Now the new trend for this Process is Forums. Web forums have become important places for social communication and discussion on the internet. The major problem in forums is to finding the best answer for a Question.

These papers will choice a clustering model to figure out the most relevant answer for the question, where WordNet is used for clustering. Clustering is the collection of similar objects. It is a main task of exploratory data mining, and a common technique for statistical data analysis, used in many fields, including learning, pattern, image analysis, information retrieval, and bioinformatics. WordNet is a large lexical database of English [5]. Noun, verb adjectives and adverbs are grouped in a set of synsets. The main purpose of word net is to produce a mixture of dictionary and thesaurus [4]. Before that the stop words are removed. Stop Words are words which do not contain important significance.

II. RELATED WORKS

Screening that it is feasible to develop existing large collections of question–answer pairs to extract such features and train ranking models which combine them effectively. These experiments reveal that linguistic skin texture, in grouping, yield considerable improvements inaccuracy. Depending on the system settings it calculate relative improvements of 14% to 21% in Mean Reciprocal Rank and Precision@1, providing one of the most compelling evidence to date that complex linguistic features such as word senses and semantic roles can have a significant impact on large-scale information retrieval tasks [1]. While most vocabulary knowledge systems offer only one-dimensional semantically related words (synonyms, antonyms, hyponyms, hyponyms, etc.) of the objective words, this study enhances the previous language learning systems by providing dynamic two-dimensional NSSL words (near-synonyms and similar-looking) through WorldNet [2]. In this study, the projected approaches can proficiently and correctly perform semantic based information retrieval. In addition to semantic-based information retrieval, the proposed system has two significant parts: a semantic extension model which employs latent semantic analysis to generate more semantics for matching, thereby solving the problem of insufficient information for query; and a semantic clustering model which uses k-means clustering algorithm based on neighbours and then performs content

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Bending of Composite Plates Using Classical Laminate Plate Theory

M. Gangaraju[1], S. Nageswara[2], Dr. V.V. Subba Rao[3], Dr. Y. V. Mohan Reddy[4]
[1,2]Sree Vidyanikethan Engineering College, [3]University College of Engineering Kakinada,JNTU Kakinada
[4]G. Pulla Reddy Engineering College,
[1]Email: iegna9693@gmail.com, [2]nag.svec@gmail.com.

Abstract-

Most important aim of this current study is to build up a MATLAB program on fiber Reinforced Composite (FRC) laminates and to investigate how mechanical loading would affect the deflection and the stress & strain distribution of the FRC. The program is established by comparing the computed values with the literature. Laminated composite plates have found widespread applications in the building of engineering structures due to the several attributes of the composites such as light weight, high strength, high stiffness as well as excellent fatigue and corrosion resistance properties. purpose of this work is to develop frequently used laminate plate theory namely the classical laminated plate theory (CLPT) to determine effect of stacking sequence on transverse deflections and stresses in specially orthotropic square laminate subjected to various types of mechanical loads. This work deals with the generation of MATLAB script files that assists the user in the design of a composite.

Index Terms- Composite Laminates, ABD Matrix, Fibre Angle, MATLAB, Stiffness, Composite Design.

INTRODUCTION

Composites are extremely versatile materials and may be customized to suit any function. They have found uses from the aerospace industry to common everyday applications. However, one drawback of these materials is tedious design processes [2]. Therefore, in an attempt to reduce this time consuming phase, it was decided to develop a computer program that assisted the user in designing a composite structure. The program needed to perform the necessary calculations in the fraction of the time it would take if done using conventional techniques. Conventional methods for designing composite structures involve the use of Hooke's law for two-dimensional unidirectional composites [1]. Equations relating the stresses and strains in these materials have been developed and are available from various texts. However, these equations are limited to flat unidirectional laminates. The procedure to follow is quite laborious. The material properties, material limits, number of fibre layers, and the fibre orientation and thickness of each layer as well as the loading conditions need to be known.

LITERATURE REVIEW

The different methods used to examine the fibre reinforced composite laminate of varying thickness. In the current study, the software MATLAB is used. It provides an easy way to analyze lamina and laminate of fibre reinforced composite by programming the formulae commonly used. The classical laminate theory is based on the Kirchhoff assumptions, in which transverse normal and shear stresses are neglected. This implies that the normal stress through the thickness is ignored; an assumption which is also called the "plane stress" condition. This leads to a situation where the displacement through-the-thickness is not necessarily linear and where the plate thickness may change during deformation. While depending on the stacking sequence of varying thickness layers, laminate may also exhibit different response in terms of stress and moment. Therefore, this research will focus on analyzing the fibre reinforced composite laminate of varying thickness where the stress strain, and deflections of laminate will be computed by means of programming approach which based on the classical laminate theory with MATLAB procedure. This method is used to analyze the fibre reinforced composite laminate of varying thickness. It provides an easy way to analyze lamina and laminate of fibre reinforced composite by programming the formulae commonly used.

Each and every data concerning each layer (E1, E2, G12, ?12, ?,t, [Q], [T], and [Q]) were stored in an array. The data in this array was used to calculate the [A], [B], and [D] matrices. Using these matrices and the applied loading conditions, the global and local stresses and strains were computed. The local stresses were compared to the material limits, via the Tsai-Wu failure criterion, to determine whether the composite will fail. A script file was written that controlled the use of each function. The purpose of the functions was to enable easier programming in future. This program was tested against manually calculated examples in the various texts [2] and the results were exactly comparable to the manual computations. In an example (Example 4.3) by Kaw [3], the stresses and strains in a graphite epoxy composite laminate were examined correspondingly. The resulting global strains, global stresses,

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Research Paper

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Evaluating Very Fast Decision Tree (VFDT) Algorithm for Detecting Network Intrusion

K. V. Keerthi, K. Vidhyavathi, M. Swathi, K. Suresh
CSE & JNTUA, Andhra Pradesh,
India

Abstract— With recent advances in network based technology needs protecting computers and networks which becomes a huge problem. Based on information coming from various response teams a computer was attacked or broken into more than once per second. In this paper, two grains levels intrusion detection system (IDS) is suggested fine-grained and coarse-grained. In normal case the intrusions are not detected, to improve the performance the most suitable IDS level is the coarse-grained. Any intrusion is detected by coarse-grained IDS after that the fine-grained is used to detect the possible attack details. Very fast decision tree (VFDT) algorithm is used in both of these detection levels. In order to ensure efficiency of the proposed model, it has been tested on KDD CUP 99 dataset and a real traffic dataset. Experimental results demonstrate that the proposed model is highly successful in detecting known and unknown attacks

Keywords— very Fast Decision Tress, Intrusion Detection, Knowledge Discovery Dataset, Coarse-Grained IDS, Fine-Grained IDS

I. INTRODUCTION

An intrusion detection system (IDS) inspects all network activity and identifies suspicious patterns that may indicate a network or system attack from someone attempting to break into or compromise a system. With the rapid growth in network, intrusions in computers have increased rapidly. Intrusion Detection System is an essential component of a complete defence-in-depth architecture for network security. It collects and inspects packets, looking for evidence of intrusive behaviours. Whenever intrusive event is detected, an alarm is raised giving the security analyst an opportunity to react promptly. Most of designed IDSs cannot cope with fast networks. Although several IDS systems are available, the common objectives of these systems are to reduce the amount of false alarms, and to recognize new attacks in order to increase detection ratio. In this paper, the concentration is on detecting attacks in fast networks in order to mitigate the influence of the attack by reducing the time gap between the real attack and its detection. This paper contributes to build two grains levels IDS in order to detect abnormal behaviour of network traffic and cope with fast networks i.e. fine-grained and coarse-grained. It is well known that the intrusion occurrence in networks with respect to general traffic is rare. These motivate us to build the proposed two grains levels IDS they are fine-grained and coarse-grained. In normal case, where intrusions are not detected, the most suitable IDS level is the coarse-grained to increase performance. At the moment of intrusion is detected by coarse-grained IDS, the fine-grained IDS is used to detect as most as possible of attack details.. The coarse-grained Intrusion Detection System focuses on five packet features while fine-grained Intrusion Detection System works on 20 features. Very Fast Decision Tree (VFDT) algorithm is selected as a fast classifier. The advantages of this system is processing and analysing of high-speed network traffic, discovering and accurately identifying new attacks to reduce the false alarms to an maximum extent, and detecting the intrusion in real time.

DARPA KDD CUP 99 dataset is used as a bench-mark for the proposed IDS, which contains 41 features. we analysed these features and selected 20 features having information gain ratio over the average of the dataset. Then, we trained and tested the proposed system.

II. RELATED WORK

1. Intrusion detection and attack classified on three techniques

In recent times, different soft-computing methods have been proposed for the development of intrusion detection systems. The main purpose of this work is to develop, implement and evaluate an anomaly off-line based intrusion detection system(IDS) using three techniques; data mining association rules, decision trees(ID3 algorithm), and artificial neural network, then comparing among them to decide which technique is better in performing for intrusion detection system. Many methods have been proposed to modify these techniques to improve the classification process. For association rules, the major vote classifier was modified to build a new classifier that can recognize anomalies. By decision trees, ID3 algorithm was modified to deal not only with discreet data, but also to deal with numerical data. For neural networks, a back-propagation algorithm has been used as the learning algorithm with different number of inputs (118, 51, and 41) to initiate the important knowledge about the intruder to the neural networks. Different methods of normalization were applied on the input patterns to speed up the learning process. The full 10% KDD 99 train dataset and the full correct test dataset are used in this work. The proposed techniques results show that there is an improvement in the performance comparing to the standard techniques, further the Percentage of Successful Prediction (PSP) and Cost

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A Review on Cloud Security Challenges and Issues

K.Balaji* **and P. Sai Kiran**

Department of CSE,KL University, Vijayawada – 520001, Andhra Pradesh, India
balajikcse@gmail.com, psaikiran@kluniversity.in

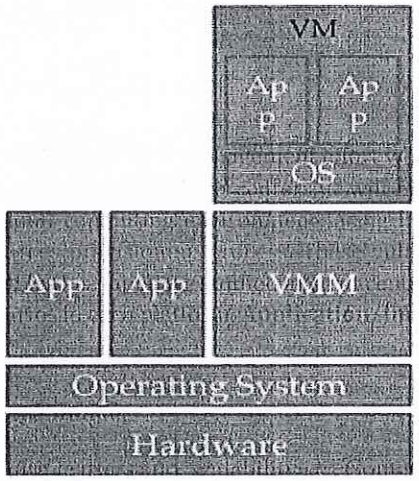
Abstract

Background/Objectives: Cloud computing offers various services with minimum management effort while provisioning resources via internet. Cloud clients are allowed to store their personal data at data centers, it will minimize storage maintenance in local systems. **Methods/Statistical Analysis:** Cloud computing environment facing huge issues with hardware and software vulnerabilities in maintenance and resources provisioning process. These vulnerabilities pose huge loss of data, confidentiality, privacy and availability. **Findings:** In this paper, we studied and concentrated on various attacks in Virtualization environment and the possible attack scenarios in each platform. **Application/Improvements:** In the final section, we studied and described all types of attacks.

Keywords: Confidentiality, Integrity, Privacy, Provisioning, Virtualization.

1. Introduction

Cloud computing has been defined by National Institute of Standards and Technology (NIST) as "a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or cloud provider interaction". Cloud computing integrates various technologies to provide effective and efficient services to the cloud clients[1]. The NIST cloud computing definition is most widely accepted. The NIST cloud computing model provides the three parts of cloud services such as (i) Essential characteristics (ii) Service models (iii) Deployment models. In this paper we concentrated on cloud virtual environment and its vulnerabilities. Virtualization is a promising technology which enable us to virtualize various resources in cloud environment. Virtualization provides an isolation environment, resource on-demand sharing among multiple users and scalability i.e., Content Security Policy (CSP) can increase or decrease Virtual Machine (VM's) in dynamic environment[3].



a) Para Virtualization

* Author for correspondence

CSE-13

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A Review on Cloud Security Challenges and Issues

K.Balaji[1], P. Sai Kiran[2]

[1]Research Scholar, Dept of CSE,KL University.

[2]Professor, Dept of CSE, KL University.

[1,2]Vijayawada, Andhra Pradesh, India.

[1]balajikcse@gmail.com

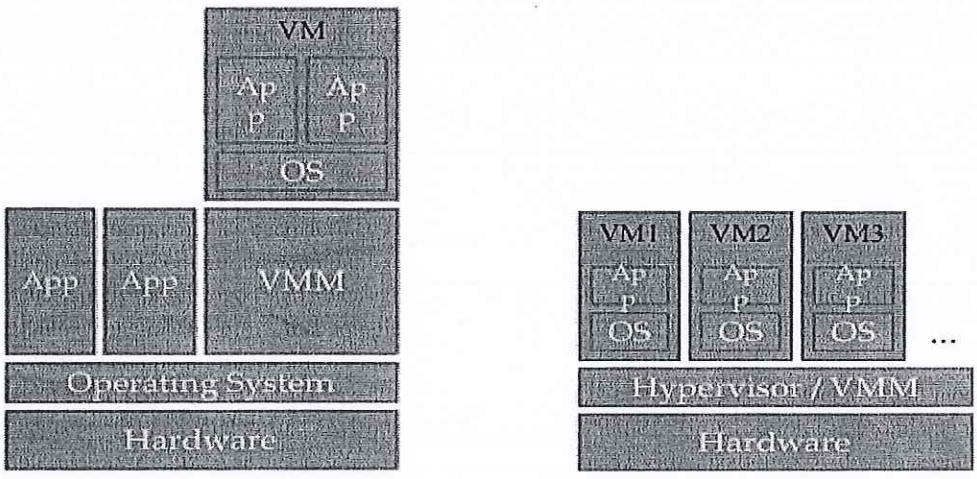
[2]psaikiran@kluniversity.in

ABSTRACT------- Cloud computing offers various services with minimum management effort while provisioning resources via internet. Cloud clients are allowed to store their personal data at data centers; it will minimize storage maintenance in local systems. Cloud computing environment facing huge issues with hardware and software vulnerabilities in maintenance and resources provisioning process. These vulnerabilities pose huge loss of data confidentiality, privacy and availability. In this paper, we studied and concentrated on various attacks in Virtualization environment and the possible attack scenarios in each platform studied and described.

Keywords: Confidentiality, Privacy, Virtualization, Provisioning.

1.INTRODUCTION

Cloud computing has been defined by NIST as "a model for enabling convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or cloud provider interaction". Cloud computing integrates various technologies to provide effective and efficient services to the cloud clients [1]. The NIST cloud computing definition is most widely accepted. The NIST cloud computing model provides the three parts of cloud services such as (i) Essential characteristics (ii) Service models (iii) Deployment models. In this paper we concentrated on cloud virtual environment and its vulnerabilities. Virtualization is a promising technology which enable us to virtualize various resources in cloud environment. Virtualization provides an isolation environment, resource on-demand sharing among multiple users and scalability i.e., CSP can increase or decrease VM's in dynamic environment [3].



a) b)

Fig 1: Virtualization a) Para Virtualization b) Full Virtualization

CSE-16,17

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Anomaly based Real Time Prevention of under Rated App-DDOS Attacks on Web: An Experiential Metrics based Machine Learning Approach

K. Munivara Prasad[1]*, A. Rama Mohan Reddy[2] and K. Venugopal Rao[3]

[1]Department of CSE, JNTUH, Hyderabad - 500085, Telangana, India; prasadkmv27@gmail.com
[2]Department of CSE, SVUCE, SV University, Tirupati - 517502, Andra Pradesh, India; ambatiramamohanreddy@gmail.com
[3]Department of CSE, GNITS, Hyderabad - 500008, Telangana, India; kvgrao1234@gmail.com

Abstract

To devise an Anomaly based Real Time Prevention (ARTP) of under rated App-DDOS attacks on Web for achieving fast and early detection. **Method:** We proposed a model based on machine learning approach that used to achieve the fast and early detection of the App-DDOS by multitude request flood. The proposed model ARTP is focused on defining set of metrics called "Re-quest chain length, request chain context, ratio of packet types, ratio of packet count, route context, router chain context and ratio of request intervals. The key factor of the proposal is unlike many of the bench marking models, which are considering requests or sessions as input to discover the anomalies, it considers set of requests are sessions in a time frame discovered to identify the anomalies of the metrics proposed. The experiments were carried out on bench marking LLDOS dataset and the performance analysis was done by the statistical analysis of the metrics like precision, recall, sensitivity and specificity. The process over-head also assessed in order to estimate the scalability and robustness of the proposal. **Findings:** The proposed model is highly significant in App-DDOS attack detection to adopt by current scenario of web applications with crowded requests that is phenomenally magnified to petabytes that compared to the past web request load in gigabytes.

Keywords: APP-DDoS, ARTP, Distributed Denial of Service, DDoS Atacks, HTTP Flooding, Intrusion Detection.

1. Introduction

Cyber malfunctioning activities from compromised users is a burning and serious act towards downgrading the computer communication, in particular of computer networks. One of such serious activity is Distributed Denial of Service that attacks web based networks, such that the potential web users unable to get the services from DDOS compromised web applications. The strategy of DDOS attack is that the host server of the web application is intentionally occupied by multiple sessions of multiple cooperative sources, such that no other user able to gain the access to that host server. In order to this, the attacker sends request packet flood of various types like SYN flood, UDP flood. The detection of such floods is very sensitive since the differentiation between user load and flood. This due to often user load resembles like flood, which essentially should not deny by the server. The recent familiar DDOS attack victims are explored in[1,2] and successful attack mitigating strategies explored in[3].

Among the existing attacks types, the most simple and effective way of App-DDoS attacks is utilizing the HTTP Flood to launch attack by requesting home page of the victim website repeatedly. In this paper our detecting schemes consider the App-DDoS attacks as anomaly browsing behavior.

In recent years, HTTP flood is one of DDOS attack observed. The HTTP flood is formed due to the abused HTTP requests, which generates request packet flood to occupy the target server resources[4,5]. The payloads observed at this flood such that the target servers unable to

*Author for correspondence

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CSE-21

Chandhassu Recognizer for Telugu Poems

I. Reddy Sekhar Reddy
Asst. Prof. in Dept. of CSE
Sree vidyanikethan engineering college
Tirupathi

M.Humera Khanam
Asso.Prof. in Dept. of CSE
S V U college of Engineering
Tirupathi

Abstract : Now a days Natural language processing is one of the most emerging technology in computer science. Challenging topics in this field is processing the Indian languages. The main objective here is to reduce human effort to learn other languages like artificial languages to operate a machines and make a system to understand natural languages. Chandhasu is a basic information to know whether a given poem is syntactically correct or not. Proposed system is help full to check whether a given poem is syntactically correct or not. This system can be developed based on predefined rules for each type of Chandhasu. In Sanskrit Chandhasu types are called vruthas, some vruthas are adapted to write telugu poetry, Vruthas based on number of letters. In Telugu Chandhasu types are called jaathulu and upajaathulu. These are dependent on number of ganalu. And also it checks whether poem follows yathi and prasa properties. Poetry can be useful to represent large amount of information in a small and structured format such a way that it can be easy to remember.

Keywords:Chandhassu, Laguvu, Guruvu, Ganalu, Yathi, Prasa, Labels of Ganalu, Vruthalu, Jathulu, Upajathulu, tokenization, Poems, Unicode, Rule based approach.

INTRODUCTION:

The main objective of this paper is to recognize type of Chandhassu, yathi and prasa letters used in a Telugu poems based on Unicode representation. To accomplish this tasks we need to make a system such that it need to recognize different types of letters present in Telugu language, system need to understand different properties of Chandhassu types. To achieve this her we are using rule based approach it is one of the NLP technique in syntax analysis. Here rules are defined by linguistic experts.

Natural language processing (NLP) is a subfield of artificial intelligence and linguistics. It studies the problems of automated understanding and generation of natural human languages. Natural language understanding systems convert samples of human language into more formal representations that are easier for computer programs to manipulate and natural language generation systems convert information from computer databases into normal-sounding human language. Language processing applications will use knowledge about language. In theory, natural-language processing is a very attractive method of human-computer interaction .Modern NLP algorithms are grounded in machine learning, especially in rule based and statistical machine learning.

CHANDHASSU:

Chandhassu is a basic information to know whether a given poem is syntactically correct or not. Science of Chandhassu tells about characteristics of poems. It will came from a word called as chadhisamvarani. Characteristics of poems is called chandhassu do to arranging an information in limited

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Design of Quad Band K-slotted 2x1 Array UWB Antenna for Enhanced Bandwidth in Wireless Communications

[1]G. Guru Prasad, [2]K. Neelima, [3]V. Pranava Bhargavi

[1]Asst Professor, Dept. of ECE, SVEC, Tirupati
[2]Asst Professor, Dept. of ECE, SVEC, Tirupati.
[3]Asst Professor, Dept. of ECE, SVCET, Chittoor

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Address For Correspondence:
G. Guru Prasad, Asst Professor, Dept. of ECE, SVEC, Tirupati

ABSTRACT

Antennas are one of the important parts of modern communication systems. Among all antennas, microstrip patch antenna is widely used due to its small size and low cost. In order to operate microstrip patch antenna in multiple selected frequencies, slotting has to be made on the patch with different positions and shapes. Ultrawide band is allocated by FCCI for short range communications like Wi-Fi and WIMAX. The range of Ultra Wideband (UWB) is 3.1 GHz to 10.6 GHz. There are several unlicensed bands in ultra wide band range. The main goal of this paper is to design an antenna which can operate at all license free bands in ultra wide band and provide more bandwidth to Wi-Fi and WIMAX users. In this paper K- shaped slot is made on the patch. Hence the antenna is operated at four license free bands like 3.4-3.6GHz, 3.65-6.7GHz, 5.15-5.35GHz, and 5.725-6.825 GHz which are allotted for Wi-Fi and WIMAX applications. Now-a-days, the antennas used for Wi-Fi, WIMAX applications can be operated at single frequency. To be operated at multiple frequencies, multiple antennas are required. Instead of using multiple antennas, by making a slot on patch, single antenna can be used to operate at more than one frequency, thereby, enhanced bandwidth can be provided to Wi-Fi and WIMAX users. For better gain, 2x2 Array K- shaped slotted antennas are used. The simulation is performed using IE3D software.

KEYWORDS: Ultra wide Band, K-Slot, Enhanced Bandwidth, IE3D

INTRODUCTION

Wireless communication had changed our lives during past couple of decades. In our homes and work environments, the versatile compact gadgets issue us more flexibility such that we can communicate with any one whenever and wherever. Today we have various utilization of wireless communication systems in every territory, for exemple: Personal Communications Services, Wireless Personal Area Networks, Wireless Local Area Networks which gives solid wireless connections between PCs, versatile gadgets and consumer hardware inside a tactical, The Personal Communications Services spreads everything from cellular telephones that join computerized cams and web browsing to Wireless Local Area Networks, this technology issues us access to the reconciliation to system which connects users without cabling.

These short distance wireless applications require more bandwidth with low power utilization capability. Ultra wide band technology is one of the best technologies, suitable for short range wireless personal area network applications due to its high data throughput ability and lower power requirements. According to the regulations released by Federal Communications Commission (FCC), the UWB systems for indoor communication have been allocated the frequency band in the range of 3.1-10.6 GHz for the prosperity of high

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Date: 02nd June 2017

CERTIFICATE

This is to certify that **Ms P.V.S.S.N. SOWMYA** student of **M.Tech (Communication Systems)** bearing the ID NO. **15121D6112** from **Sree Vidyanikethan Engineering College (Autonomous), Tirupathi** has successfully completed her Project Work titled "***FPGA BASED OFDM-FH COMMUNICATION RADIO***" under my supervision and guidance for a period of Eight months i.e., from Sep-2016 to May-2017 in **Defence Research & Development Laboratory**, Kanchanbagh, Hyderabad, Telangana.

It is to certify that this report carries a bonafide account of project work carried out under my guidance.

(K RAJASEKHARAM)
Scientist 'G'
HEAD, IV&V/DSTARS
DRDL/DRDO

Govt. of India Ministry of Defence * DRDL, Hyderabad *

दूरभाष / Phone : कार्यालय / Office: +91(40)24342436,
Fax :+91(40)24340573 ई-मेल /E-mail : ksrinivas@drdl.drdo.in

Krishnanand Pattabiraman
Managing Director

Adi Technologies
HOSUR CENTRE

Internship Completion Certificate

TO WHOM IT MAY CONCERN

This is to certify that Mr Kodanda Jagadeesh Damarla, an Engineering Graduate from Sree Vidyanikethan Engineering College, Rangampeta, Tirupathi Dt AP, has successfully completed two months internship at this Organization, from 9th Feb 2017 to 9th April 2017.

His internship activity included assimilation to all the department operations and processes and their management overview involving with the software development processes of the company.

He had been part involved in product development team on retail grocery sector, involved in POC of the solution, Web modules leading for pre-market evaluation, in India

We wish him, the very best, in his future endeavor.

Yours Sincerely,

eacher's Colony, Hosur - 635 109.T.N ☎:04344-656565

Krishnanand Pattabiraman
Managing Director

Adi Technologies
HOSUR CENTRE

KrishnaNand PattabiRaman
Director.
Adi Technologies

Bangalore, Dated: 9th April 2017

Address: # 6/G, Bagalur Main Road, Teacher's Colony, Hosur - 635 109.T.N ☎:04344-656565

CGI Information Systems and Management Consultants Pvt. Ltd.
CIN: U72200KA1995PTC019138
Regd. Office: E-city, Tower 2, 95/1 & 95/2
Electronic City Phase 1 (West)
Bengaluru / 560 100 / India
Tel: +91 80-6642-2222 | Fax: +91 80-6642-1200

cgi.com

Ref: HRV/211263/17

July 12, 2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Pavan Teja Ayitha** has worked as a Project Intern for the period 23-Jan-17 to 08-Jun-17.

During this period, his performance was to our complete satisfaction.
We wish Mr. Pavan **Teja Ayitha** every success in his future endeavors.

Yours sincerely,
For **CGI Information Systems and Management Consultants Private Limited**

Rudresh Shekar Shetty
Manager
Human Resources

CGI Information Systems and Management Consultants Pvt. Ltd.
Regd. Office: e.city, Tower 2, No.95/1 & 95/2,
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CIN: U72200KA1990PTC019138

Personal and Confidential
January 11, 2017

Ms.Devipranathi Dasagrandhi
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Dear Devipranathi,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend** is **INR 21,100/- per month**.

You are requested to report at our **Bangalore** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 080-4194 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in **Bangalore**. However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

- **Code of conduct:** You will abide by the applicable rules and regulations in force from time to time and will also be required to sign and abide by the **Code of ethics** and conduct as elucidated by the company. Any breach of the guidelines or the terms and conditions of assignment may result in termination of your internship without notice or compensation

a) You will not carry on any business or enter for any part of your time in any capacity in the services of other person or persons and company or companies. You will devote your whole time and attention to your duties to promote the interests of CGI and you will not utilize or divulge to any person or persons any of our trade secrets or confidential information

b) In the course of your assignment with CGI, you shall not, without the previous written consent of CGI and which consent CGI may in its absolute discretion and without assigning any reason therefore withhold and/or refuse to accord directly and/or indirectly solicit and/or engage in the collection and donations for any trust or other organizations and/or institutions for charitable work and/or any other purposes and person/s and/or bodies corporate/institutions with whom you come into contact and/or have dealings with in the course of assignment with CGI

c) During your assignment with CGI and perpetually thereafter, you will not transmit, disclose or otherwise use confidential information related to CGI, to any unauthorized person, except as may be required in the course of discharging your duties in connection with CGI's business. Confidential information includes, but is not restricted to CGI's client names, the nature of our projects and all other technical and client related information. This information is not to be divulged to ANYBODY, including family, friends, and especially others in the same or similar competing businesses. Information pertaining to CGI operations and intellectual property is confidential and you will sign a Confidentiality and Non-Disclosure Agreement.

d) For the purpose of representing and improving the company's brand image and being able to interact with senior level decision makers in the industry in a satisfactory manner, you are required to follow the following norms:

i. Maintain complete confidentiality and high level of integrity in all your actions performed on behalf of the company
ii. Practice high level of professionalism in business etiquettes, selection of attire, choice of language in conversation and documents, meeting commitments and in overall conduct
iii. Besides, you shall help in maintaining congenial, disciplined, participative and supportive work environment to encourage team spirit and high performance standards

e) All software developed by you and/or by the team of which you are a part, shall belong exclusively to the company. The company has the exclusive right over the intellectual property. You shall sign all relevant documents in this regard, as required, to assign and/or secure rights in favor of the company

f) You will be responsible for the safekeeping and return in good condition all the company property, which will be in your use, custody or charge

Contd...3...

- **Communication:** Please approach your immediate supervisor for any queries pertaining to project or organization related concerns, suggestions which you may have from time to time. In addition, the HR team is always available to discuss any of your needs or suggestions

- **Shift:** You shall have no objection to work on shift / staggered duty in case business warrants that. Please note that it is management's prerogative to decide which member will work on shift and management's decision in this regard will be final. Your project will also decide the shift allowance that will be payable and will be based on project requirement. This will be governed by the existing Shift Allowance Policy

- You may be required to travel on Company work and you will be reimbursed expenses as per Company policy

- **Unauthorized absence from work**: Your unauthorized absence from work for a continuous period of more than three days without leave or obtaining your manager's approval will be treated as desertion of your internship.

- **Termination of internship:** The internship can be terminated by fifteen days' notice on either side. If you decide to leave without giving due notice and completing handing over formalities, you will not be eligible to get any certificate of assignment immediately or in the future from CGI.

- **Non-Competition:** During the term of your assignment with CGI, you shall not directly or indirectly compete with CGI in any manner whatsoever

- You will keep us informed of any change in your residential address/contact details

- It is your responsibility to notify the Company of any changes in your personal information within three working days. It shall also be your responsibility to notify the Company of any legal action or suit, whether in the nature of civil or criminal initiated against you. Failure to notify will result in breach of the appointment terms. All notices shall be considered duly and properly delivered to the address on file with the Company

- Upon completion or termination of your internship, you are required to return all assets and property of the Company including but not limited to documents, machines, data, files, books etc.

- We provide support to global customers from various locations in India & abroad to suit customers' differing time needs including 24x7 bases. You may be asked to operate from any of the CGI locations and in any of the shifts, including night shift, at the sole discretion of management, as may be required by the Company keeping in mind business needs and deliverable requirements to customers. Your work schedule will be provided to you by your Manager / Supervisor upon your joining. Your weekly off days may not be on weekends

- You will abide by all the rules and regulations of the Company which are in force from time to time and the Company shall have the right to vary or modify any or all of the above terms and conditions which shall be binding on you

Contd...4...

- There is no agreement or obligation on our part to provide you employment after the satisfactory completion of your internship. Should the company decide to offer you employment after the completion of your internship, such offer is subject to then prevailing company's policies and also subject to you executing the employment agreement.

- Education credential proofs, if any, submitted by you will be subject to background verification as per CGI standards. Unsuccessful clearance of background verification will lead to termination of internship.

Any and all of the terms and conditions of internship may be modified or changed at the Company's discretion. Breach of any one of the conditions will render you liable to termination of your internship without notice.

This letter supersedes all oral or written communication exchanged between you and CGI; prior to the date of this letter and commitments, if any, made during the selection process. To confirm your acceptance of this offer letter on the terms and conditions specified herein, please sign in on all the pages & in the space specified below and return the signed copy to CGI on your boarding day.

Any tax liability or statutory deductions arising out of the stipend shall be borne by you.

I look forward to your acceptance of this offer and to welcoming you to our team. I am confident that the internship with CGI will provide you valuable experience.

Yours sincerely
For CGI Information Systems and Management Consultants Pvt. Ltd.,

Pradipta Banerjee
Administrative Vice President

I have read the terms and conditions of employment/assignment and also the contents of the employment agreement and in token of my acceptance I duly acknowledge the receipt of the letter of assignment.

Please sign below to confirm that you agree with the terms and conditions stated in this letter.

Signature & Date

Gmail chanakya gm <chanakya.gm@gmail.com>

Fwd: FW: Batch Closure: Metamorphosis - Java - FY17_Q2_BATCH 1 - Bangalore

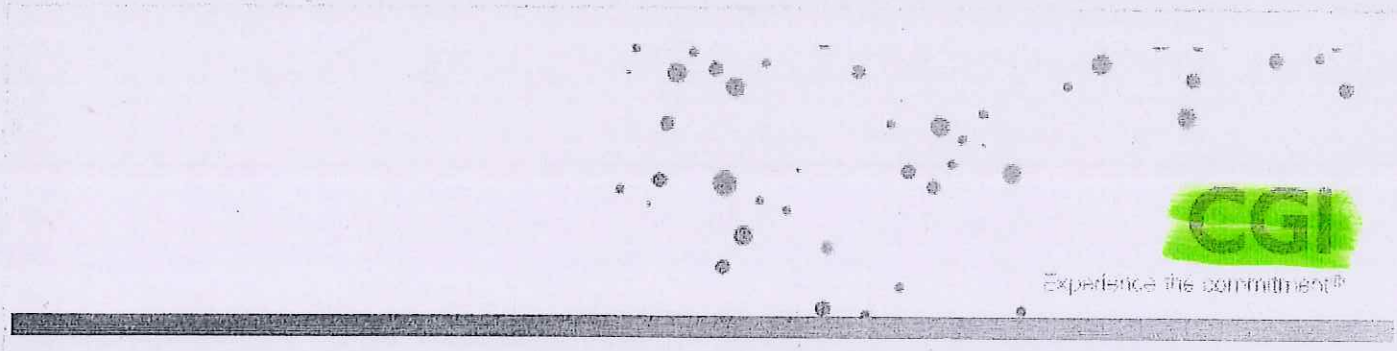
1 message

LINGAREDDY BHUVANA <bhuvanalingareddy29@gmail.com> Mon, Jul 31, 2017 at 10:12 AM
To: chanakya gm <chanakya.gm@gmail.com>

---------- Forwarded message ----------
From: "Lingareddy, Bhuvana" <bhuvana.lingareddy@cgi.com>
Date: 31-Jul-2017 10:07 AM
Subject: FW: Batch Closure: Metamorphosis - Java - FY17_Q2_BATCH 1 - Bangalore
To: "bhuvanalingareddy29@gmail.com" <bhuvanalingareddy29@gmail.com>
Cc:

From: Daniel, Rita G
Sent: Friday, March 24, 2017 10:37 AM
To: anandshuv218@outlook.com; bunnyreddysudi@gmail.com; bhuvanalingareddy29@gmail.com; shridharrampur@gmail.com; rvmeghana22@gmail.com; rakesh1si13ec079@gmail.com; sanku4646@gmail.com; dasagrandhipranathi@gmail.com; ramu970104@gmail.com; msbindu191@gmail.com; harikadasa10@gmail.com; T, Vidhyashree; Anand, Shuvham; Sudireddy, Nishitha R; Lingareddy, Bhuvana; R, Sridhar; V, Meghana R; S, Rakesh B; Madhava, Sankarsh; Dasagrandhi, Devi Pranathi; Ramu, Raavi; M S, Bindushree; D V, Harika; T, Vidhyashree
Cc: Chaudhary, Indu; Jeyakumari, Brindha C
Subject: Batch Closure: Metamorphosis - Java - FY17_Q2_BATCH 1 - Bangalore

For Internal Circulation Only



Dear Members,

Congratulations on the completion of the Metamorphosis Java Training at Bangalore as part of FY17_Q2_Batch 1_BLR.

Hope you had a great learning experience and have scored well in your assessments.

You are requested to report to your respective RM/Buddy/Project Team today, 24th March 2017.

For any issue contact Indu Chaudhary indu.chaudhary@cgi.com & Brindha C Jeyakumari brindha.jeyakumari@cgi.com.

Wishing you a bright career in CGI.

Best Regards,

Rita Daniel

HR-Talent Development

Advanced concepts of Java, .Net, Share point

CGI Information Systems and Management Consultants Pvt. Ltd.
Regd. Office: e.city, Tower 2, No.95/1 & 95/2,
Electronic City, Phase I (West)
Bangalore – 560 100. India
Tel +91-80-6642 2222 | Fax +91-80-6642 1200

cgi.com

CIN: U72200KA1990PTC019138

Personal and Confidential
January 11, 2017

Ms.Tushara Reddy S
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Dear Tushara,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend** is **INR 21,100/- per month**.

You are requested to report at our **Hyderabad** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 040-6734 5000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in **Hyderabad**. However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

- **Code of conduct:** You will abide by the applicable rules and regulations in force from time to time and will also be required to sign and abide by the **Code of ethics** and conduct as elucidated by the company. Any breach of the guidelines or the terms and conditions of assignment may result in termination of your internship without notice or compensation

a) You will not carry on any business or enter for any part of your time in any capacity in the services of other person or persons and company or companies. You will devote your whole time and attention to your duties to promote the interests of CGI and you will not utilize or divulge to any person or persons any of our trade secrets or confidential information

b) In the course of your assignment with CGI, you shall not, without the previous written consent of CGI and which consent CGI may in its absolute discretion and without assigning any reason therefore withhold and/or refuse to accord directly and/or indirectly solicit and/or engage in the collection and donations for any trust or other organizations and/or institutions for charitable work and/or any other purposes and person/s and/or bodies corporate/institutions with whom you come into contact and/or have dealings with in the course of assignment with CGI

c) During your assignment with CGI and perpetually thereafter, you will not transmit, disclose or otherwise use confidential information related to CGI, to any unauthorized person, except as may be required in the course of discharging your duties in connection with CGI's business. Confidential information includes, but is not restricted to CGI's client names, the nature of our projects and all other technical and client related information. This information is not to be divulged to ANYBODY, including family, friends, and especially others in the same or similar competing businesses. Information pertaining to CGI operations and intellectual property is confidential and you will sign a Confidentiality and Non-Disclosure Agreement.

d) For the purpose of representing and improving the company's brand image and being able to interact with senior level decision makers in the industry in a satisfactory manner, you are required to follow the following norms:

i. Maintain complete confidentiality and high level of integrity in all your actions performed on behalf of the company
ii. Practice high level of professionalism in business etiquettes, selection of attire, choice of language in conversation and documents, meeting commitments and in overall conduct
iii. Besides, you shall help in maintaining congenial, disciplined, participative and supportive work environment to encourage team spirit and high performance standards

e) All software developed by you and/or by the team of which you are a part, shall belong exclusively to the company. The company has the exclusive right over the intellectual property. You shall sign all relevant documents in this regard, as required, to assign and/or secure rights in favor of the company

f) You will be responsible for the safekeeping and return in good condition all the company property, which will be in your use, custody or charge

Contd...3...

- **Communication:** Please approach your immediate supervisor for any queries pertaining to project or organization related concerns, suggestions which you may have from time to time. In addition, the HR team is always available to discuss any of your needs or suggestions

- **Shift:** You shall have no objection to work on shift / staggered duty in case business warrants that. Please note that it is management's prerogative to decide which member will work on shift and management's decision in this regard will be final. Your project will also decide the shift allowance that will be payable and will be based on project requirement. This will be governed by the existing Shift Allowance Policy

- You may be required to travel on Company work and you will be reimbursed expenses as per Company policy

- **Unauthorized absence from work**: Your unauthorized absence from work for a continuous period of more than three days without leave or obtaining your manager's approval will be treated as desertion of your internship.

- **Termination of internship:** The internship can be terminated by fifteen days' notice on either side. If you decide to leave without giving due notice and completing handing over formalities, you will not be eligible to get any certificate of assignment immediately or in the future from CGI.

- **Non-Competition:** During the term of your assignment with CGI, you shall not directly or indirectly compete with CGI in any manner whatsoever

- You will keep us informed of any change in your residential address/contact details

- It is your responsibility to notify the Company of any changes in your personal information within three working days. It shall also be your responsibility to notify the Company of any legal action or suit, whether in the nature of civil or criminal initiated against you. Failure to notify will result in breach of the appointment terms. All notices shall be considered duly and properly delivered to the address on file with the Company

- Upon completion or termination of your internship, you are required to return all assets and property of the Company including but not limited to documents, machines, data, files, books etc.

- We provide support to global customers from various locations in India & abroad to suit customers' differing time needs including 24x7 bases. You may be asked to operate from any of the CGI locations and in any of the shifts, including night shift, at the sole discretion of management, as may be required by the Company keeping in mind business needs and deliverable requirements to customers. Your work schedule will be provided to you by your Manager / Supervisor upon your joining. Your weekly off days may not be on weekends

- You will abide by all the rules and regulations of the Company which are in force from time to time and the Company shall have the right to vary or modify any or all of the above terms and conditions which shall be binding on you

Contd...4...

- There is no agreement or obligation on our part to provide you employment after the satisfactory completion of your internship. Should the company decide to offer you employment after the completion of your internship, such offer is subject to then prevailing company's policies and also subject to you executing the employment agreement.
- Education credential proofs, if any, submitted by you will be subject to background verification as per CGI standards. Unsuccessful clearance of background verification will lead to termination of internship.

Any and all of the terms and conditions of internship may be modified or changed at the Company's discretion. Breach of any one of the conditions will render you liable to termination of your internship without notice.

This letter supersedes all oral or written communication exchanged between you and CGI; prior to the date of this letter and commitments, if any, made during the selection process. To confirm your acceptance of this offer letter on the terms and conditions specified herein, please sign in on all the pages & in the space specified below and return the signed copy to CGI on your boarding day.

Any tax liability or statutory deductions arising out of the stipend shall be borne by you.

I look forward to your acceptance of this offer and to welcoming you to our team. I am confident that the internship with CGI will provide you valuable experience.

Yours sincerely
For CGI Information Systems and
Management Consultants Pvt. Ltd.,

Pradipta Banerjee
Administrative Vice President

I have read the terms and conditions of employment/assignment and also the contents of the employment agreement and in token of my acceptance I duly acknowledge the receipt of the letter of assignment.

Please sign below to confirm that you agree with the terms and conditions stated in this letter.

Signature & Date

CGI Information Systems and Management Consultants Pvt. Ltd
CIN: U72200KA1995PTC018138
Regd. Office: E-city, Tower 2, 95/1 & 96/2
Electronic City Phase 1 (West)
Bengaluru / 560 100 / India
Tel: +91 80 6642 2222 | Fax: +91 80 6642 1799

cgi.com

Ref: HRV/211056/17

July 12, 2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Manasa Veluru** has worked as a Project Intern for the period **16-Jan-17 to 08-Jun-17.**

During this period, her performance was to our complete satisfaction.
We wish **Ms. Manasa Veluru** every success in her future endeavors.

Yours sincerely,
For **CGI Information Systems and Management Consultants Private Limited**

Rudresh Shekar Shetty
Manager
Human Resources

CGI Information Systems and Management Consultants Pvt. Ltd.
Regd. Office: e.city, Tower 2, No.95/1 & 95/2,
Electronic City, Phase I (West)
Bangalore – 560 100. India
Tel +91-80-6642 2222 | Fax +91-80-6642 1200

cgi.com

CIN: U72200KA1990PTC019138

Personal and Confidential
June 3, 2017

Ms.Vineetha Guntur
Sree Vidyanikethan Engineering College
Chandragiri

Dear Vineetha,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Associate Software Engineer** and your Gross Compensation is **INR 325,008/-**.

You are requested to report at our **Bangalore** office on **June 12, 2017.** Your appointment will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **June 10, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 080-4194 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your employment with the Company is at all times subject to you having and maintaining a valid work permit from the Government of India (if applicable). A copy of the work permit needs to be furnished by you on the date of on boarding failing which you will not be permitted to join
- This appointment will be based on your agreement to serve the company for a period of two years effective your date of joining. On joining, you will have to sign the Employment Agreement with the company
- This offer is conditional upon your having a valid passport. If you do not have a passport as of the date of this offer, you are required to apply for one immediately and produce the relevant acknowledgement on the day of your on boarding. Being part of consulting organization, it is your responsibility to monitor the validity of your passport and renew it in advance. CGI will help you with relevant certificates required for the renewal. Should you be denied a passport, or if you are otherwise unable to produce a copy of your passport, CGI shall be entitled to terminate your employment. It is a condition of your employment that you have a valid passport at all times
- During your employment with CGI, you may get opportunities to work on multiple platforms/skills at the sole discretion of CGI. CGI encourages and appreciates flexibility to work on different technologies
- You will be eligible for a performance review or a salary revision as per company policy

CGI Information Systems and Management Consultants Pvt. Ltd.
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cgi.com

CIN: U72200KA1990PTC019138

Personal and Confidential
June 3, 2017

Mr.Harisai M
Sree Vidyanikethan Engineering College
Chandragiri

Dear Harisai,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Associate Software Engineer** and your Gross Compensation is **INR 325,008/-**.

You are requested to report at our **Chennai** office on **June 12, 2017.** Your appointment will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **June 10, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 044-6647 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your employment with the Company is at all times subject to you having and maintaining a valid work permit from the Government of India (if applicable). A copy of the work permit needs to be furnished by you on the date of on boarding failing which you will not be permitted to join
- This appointment will be based on your agreement to serve the company for a period of two years effective your date of joining. On joining, you will have to sign the Employment Agreement with the company
- This offer is conditional upon your having a valid passport. If you do not have a passport as of the date of this offer, you are required to apply for one immediately and produce the relevant acknowledgement on the day of your on boarding. Being part of consulting organization, it is your responsibility to monitor the validity of your passport and renew it in advance. CGI will help you with relevant certificates required for the renewal. Should you be denied a passport, or if you are otherwise unable to produce a copy of your passport, CGI shall be entitled to terminate your employment. It is a condition of your employment that you have a valid passport at all times
- During your employment with CGI, you may get opportunities to work on multiple platforms/skills at the sole discretion of CGI. CGI encourages and appreciates flexibility to work on different technologies
- You will be eligible for a performance review or a salary revision as per company policy

Contd...2...

CGI Information Systems and Management Consultants Pvt. Ltd.
Regd. Office: e.city, Tower 2, No.95/1 & 95/2,
Electronic City, Phase I (West)
Bangalore – 560 100. India
Tel +91-80-6642 2222 | Fax +91-80-6642 1200
cgi.com
CIN: U72200KA1990PTC019138

Personal and Confidential
June 3, 2017

Ms.Potturu Mounika
Sree Vidyanikethan Engineering College
Chandragiri

Dear Potturu,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Associate Software Engineer** and your Gross Compensation is **INR 325,008/-**.

You are requested to report at our **Hyderabad** office on **June 12, 2017.** Your appointment will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **June 10, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 040-6734 5000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your employment with the Company is at all times subject to you having and maintaining a valid work permit from the Government of India (if applicable). A copy of the work permit needs to be furnished by you on the date of on boarding failing which you will not be permitted to join
- This appointment will be based on your agreement to serve the company for a period of two years effective your date of joining. On joining, you will have to sign the Employment Agreement with the company
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- During your employment with CGI, you may get opportunities to work on multiple platforms/skills at the sole discretion of CGI. CGI encourages and appreciates flexibility to work on different technologies
- You will be eligible for a performance review or a salary revision as per company policy

Contd...2...

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cgi.com

CIN: U72200KA1990PTC019138

Personal and Confidential
June 3, 2017

Ms.Rachana M
Sree Vidyanikethan Engineering College
Chandragiri

Dear Rachana,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Associate Software Engineer** and your Gross Compensation is **INR 325,008/-**.

You are requested to report at our **Hyderabad** office on **June 12, 2017.** Your appointment will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **June 10, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 040-6734 5000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your employment with the Company is at all times subject to you having and maintaining a valid work permit from the Government of India (if applicable). A copy of the work permit needs to be furnished by you on the date of on boarding failing which you will not be permitted to join
- This appointment will be based on your agreement to serve the company for a period of two years effective your date of joining. On joining, you will have to sign the Employment Agreement with the company
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- During your employment with CGI, you may get opportunities to work on multiple platforms/skills at the sole discretion of CGI. CGI encourages and appreciates flexibility to work on different technologies
- You will be eligible for a performance review or a salary revision as per company policy

Contd...2...

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cgi.com

CIN: U72200KA1990PTC019138

Personal and Confidential
June 3, 2017

Ms.Radha Eepuri
Sree Vidyanikethan Engineering College
Chandragiri

Dear Radha,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Associate Software Engineer** and your Gross Compensation is **INR 325,008/-**.

You are requested to report at our **Hyderabad** office on **June 12, 2017.** Your appointment will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **June 10, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 040-6734 5000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your employment with the Company is at all times subject to you having and maintaining a valid work permit from the Government of India (if applicable). A copy of the work permit needs to be furnished by you on the date of on boarding failing which you will not be permitted to join
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- During your employment with CGI, you may get opportunities to work on multiple platforms/skills at the sole discretion of CGI. CGI encourages and appreciates flexibility to work on different technologies
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Tel +91-80-6642 2222 | Fax +91-80-6642 1200

cgi.com

CIN: U72200KA1990PTC019138

Personal and Confidential
January 11, 2017

Ms.Dedeepya S
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Dear Dedeepya,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Chennai** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 044-6647 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in **Chennai.** However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

Krishnanand Pattabiraman
Managing Director

Adi Technologies
HOSUR CENTRE

Internship Completion Certificate

TO WHOM IT MAY CONCERN

This is to certify that Ms Pavani Vemasani, an Engineering Graduate from Sree Vidyanikethan Engineering College, Rangampeta, Tirupathi Dt AP, has successfully completed internship at this Organization, from 10th October 2016 to 24th March 2017.

Her internship activity included assimilation to all the department operations and processes and their management overview involving with the software development processes of the company.

She had been part involved in product development team on retail grocery sector, involved in POC of the solution, Web modules leading for pre-market evaluation, in India

We wish her, the very best, in her future endeavor.

Yours Sincerely,

KrishnaNand PattabiRaman
Director.
Adi Technologies

Bangalore, Dated: 9th April 2017

Address: # 6/G, Bagalur Main Road, Teacher's Colony, Hosur - 635 109.T.N ☎:04344-656565

ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED RAYALASEEMA THERMAL POWER PROJECT V. V. REDDY NAGAR, KADAPA (DIST), PIN-516312

BONAFIDE CERTIFICATE

This is to certify that the internship entitled

OPERATION OF THERMAL POWER PROJECT AND APPLICATION OF DCS

Is the bonafide work done

By

B.HARSHITHA **15121A1007**

Under the guidance and supervision in partial fulfillment of the requirements for the award of B.TECH in ELECTRONICS AND INSTRUMENTATION ENGINEERING in SREE VIDYANIKETHAN ENGINEERING COLLEGE,RANGAMPET, CHITTOR (D.T.).

During the academic year: 2015-2019

During the period from 27-06-2017 to 01-07-2017 of project their conduct and character were found to be satisfactory.

Office seal ASSISTANT DIVISIONAL ENGINEER, I & C Division / R.T.P.P. V. V. Reddy Nagar-518312, (A.P.)

Date: 01/07/2017.

Mr. C. Vasudeva Reddy,
Project external guide,
Asst.Divisional Engineer,
I&C/STAGE-I/RTPP.

ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED RAYALASEEMA THERMAL POWER PROJECT V. V. REDDY NAGAR, KADAPA (DIST), PIN-516312

BONAFIDE CERTIFICATE

This is to certify that the internship entitled

OPERATION OF THERMAL POWER PROJECT AND APPLICATION OF DCS

Is the bonafide work done

By

G.KRISHNA KAVYA 15121A1019

Under the guidance and supervision in partial fulfillment of the requirements for the award of B.TECH in ELECTRONICS AND INSTRUMENTATION ENGINEERING in SREE VIDYANIKETHAN ENGINEERING COLLEGE,RANGAMPET, CHITTOR (D.T.).

During the academic year: 2015-2019

During the period from 27-06-2017 to 01-07-2017 of project their conduct and character were found to be satisfactory.

Office seal ASSISTANT DIVISIONAL ENGINEER, I & C Division / R.T.P.P. V.V. Reddy Nagar-516312, (A.P.)

Date: 01/07/2017

Mr. C. Vasudeva Reddy,
Project external guide,
Asst.Divisional Engineer,
I&C/STAGE-I/RTPP.

ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED RAYALASEEMA THERMAL POWER PROJECT V. V. REDDY NAGAR, KADAPA (DIST), PIN-516312

BONAFIDE CERTIFICATE

This is to certify that the internship entitled

OPERATION OF THERMAL POWER PROJECT AND APPLICATION OF DCS

Is the bonafide work done

By

D.HOSHITHA 15121A1011

Under the guidance and supervision in partial fulfillment of the requirements for the award of B.TECH in ELECTRONICS AND INSTRUMENTATION ENGINEERING in SREE VIDYANIKETHAN ENGINEERING COLLEGE,RANGAMPET, CHITTOR (D.T.).

During the academic year: 2015-2019

During the period from 27-06-2017 to 01-07-2017 of project their conduct and character were found to be satisfactory.

Office seal ASSISTANT DIVISIONAL ENGINEER, I & C Division / R.T.P.P. V. V. Reddy Nagar-516312, (A.P.)

Date: 01/07/2017.

Mr. C. Vasudeva Reddy,
Project external guide,
Asst.Divisional Engineer,
I&C/STAGE-I/RTPP.

ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED RAYALASEEMA THERMAL POWER PROJECT V. V. REDDY NAGAR, KADAPA (DIST). PIN-516312

BONAFIDE CERTIFICATE

This is to certify that the internship entitled

OPERATION OF THERMAL POWER PROJECT AND APPLICATION OF DCS

Is the bonafide work done

By

K.SREE VYSHNAVI 15121A1032

Under the guidance and supervision in partial fulfillment of the requirements for the award of B.TECH in ELECTRONICS AND INSTRUMENTATION ENGINEERING in SREE VIDYANIKETHAN ENGINEERING COLLEGE,RANGAMPET, CHITTOR (D.T.).

During the academic year: 2015-2019

During the period from 27-06-2017 to 01-07-2017 of project their conduct and character were found to be satisfactory.

Office seal ASSISTANT DIVISIONAL ENGINEER, I & C Division / R.T.P.P. V.V. Reddy Nagar-516312, (A.P.)

Date: 01/07/2017.

Mr. C. Vasudeva Reddy,
Project external guide,
Asst.Divisional Engineer,
I&C/STAGE-I/RTPP.

ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED RAYALASEEMA THERMAL POWER PROJECT V. V. REDDY NAGAR, KADAPA (DIST), PIN-516312

BONAFIDE CERTIFICATE

This is to certify that the internship entitled

OPERATION OF THERMAL POWER PROJECT AND APPLICATION OF DCS

Is the bonafide work done

By

O.THANU SRI **15121A1049**

Under the guidance and supervision in partial fulfillment of the requirements for the award of B.TECH in ELECTRONICS AND INSTRUMENTATION ENGINEERING in SREE VIDYANIKETHAN ENGINEERING COLLEGE,RANGAMPET, CHITTOR (D.T.).

During the academic year: 2015-2019

During the period from 27-06-2017 to 01-07-2017 of project their conduct and character were found to be satisfactory.

Office seal ASSISTANT DIVISIONAL ENGINEER, I & C Division / R.T.P.P. V.V. Reddy Nagar-516312, (A.P.)

Date: 01/07/2017.

Mr. C. Vasudeva Reddy,
Project external guide,
Asst.Divisional Engineer,
I&C/STAGE-I/RTPP.

ANDHRA PRADESH POWER GENERATION CORPORATION LIMITED RAYALASEEMA THERMAL POWER PROJECT V. V. REDDY NAGAR, KADAPA (DIST), PIN-516312

BONAFIDE CERTIFICATE

This is to certify that the internship entitled

OPERATION OF THERMAL POWER PROJECT AND APPLICATION OF DCS

Is the bonafide work done

By

A.RAMYA 15121A1002

Under the guidance and supervision in partial fulfillment of the requirements for the award of B.TECH in ELECTRONICS AND INSTRUMENTATION ENGINEERING in SREE VIDYANIKETHAN ENGINEERING COLLEGE,RANGAMPET. CHITTOR (D.T.).

During the academic year: 2015-2019

During the period from 27-06-2017 to 01-07-2017 of project their conduct and character were found to be satisfactory.

Office seal ASSISTANT DIVISIONAL ENGINEER, I & C Division / R.T.P.P. V. V. Reddy Nagar-516312, (A.P.)

Date:

Mr. C. Vasudeva Reddy,
Project external guide,
Asst.Divisional Engineer,
I&C/STAGE-I/RTPP.

ANDHRAPRADESH POWER GENERATION CORPORATION LIMITED

CERTIFICATE

This is to certify that Miss. B. Tejaswini (15121A1005) studying 2nd year B.TECH (ELECTRONICS & INSTRUMENTATION ENGINEERING) student of Sree Vidyanikethan Engineering College, Chittoor-District has successfully completed Internship training in RAYALASEEMA THERMAL POWER PROJECT for the period of Two weeks i.e from 15-06-2017 to 30-06-2017.

DATE: 30th JUNE 2017

External Guide

OFFICE SEAL

ASSISTANT DIVISIONAL ENGINEER,
I & C SUB-DIVISION-III
RTPP., V.V. REDDY NAGAR-518 312

A.RAMAKRISHNA REDDY,
ASST.DIVISIONAL ENGINEER,
INSTRUMENTATION & CONTROL

CIN: U72200KA1995PTC019138
3rd Floor, Block 5, DLF - SEZ Manapakkam
Mount Poonamallee Road
Chennai / 600 089 / India
Tel. +91 44-6647-0000 | Fax +91 44-6647-4666
cgi.com

Ref: HRV/211816/17

July 10, 2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Bhargav Ravula has worked as a Project Intern for the period February 15 , 2017 to June 8 , 2017

During this period, his performance was to our complete satisfaction.
We wish Mr. Bhargav Ravula every success in his future endeavors.

Yours sincerely,
For CGI Information Systems and Management Consultants Private Limited

Rudresh Shekar Shetty
Administrative Director
Human Resources

CGI

CGI Information Systems and Management Consultants Pvt. Ltd.
CIN. U72200KA1995PTC019138
3rd Floor, Block 5, DLF - SEZ Manapakkam
Mount Poonamallee Road
Chennai / 600 089 / India
Tel. +91 44-6647-0000 | Fax +91 44-6647-4656

cgi.com

July 10, 2017

REF: HRV/211816/17

Bhargav Ravula
No12/157 , Gmallapelam , Gudur ,
SPSPR , Nellore , 524101
Phone No : 9154546316

Dear Bhargav Ravula ,

Sub: Full and final settlement of your account

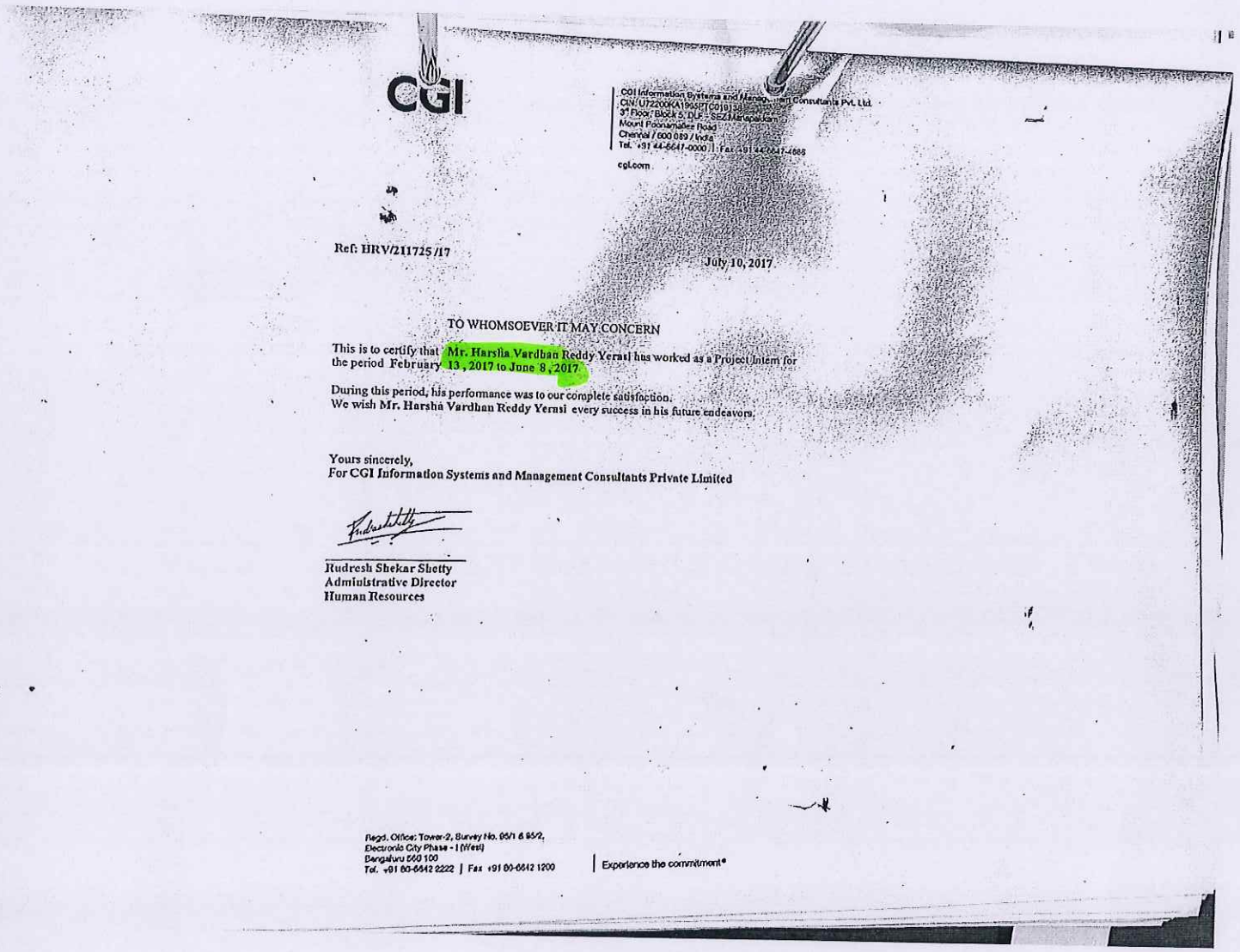
With reference to the aforementioned subject, we wish to inform you that Rs.26,150/- has been credited to your ICICI Bank account towards your full & final settlement.

The full and final settlement calculation summary, Income Tax work sheet and Service certificate are enclosed herewith.

Thanking you.

Yours sincerely,
For CGI Information Systems and Management Consultants Private Limited,

Rudresh Shekar Shetty
Administrative Director
Human Resources
Encl: As above



CGI

CGI Information Systems and Management Consultants Pvt. Ltd.
CIN/ U72200KA1998PTC010138
3rd Floor, Block 5, DLF - SEZ Infrapolis
Mount Poonamallee Road
Chennai / 600 089 / India
Tel. +91 44-6647-0000 | Fax +91 44-6647-4666
cgi.com

Ref: HRV/211725 /17

July 10, 2017

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Harsha Vardhan Reddy Yerasi has worked as a Project Intern for the period February 13 , 2017 to June 8 , 2017.

During this period, his performance was to our complete satisfaction.
We wish Mr. Harsha Vardhan Reddy Yerasi every success in his future endeavors.

Yours sincerely,
For CGI Information Systems and Management Consultants Private Limited

Rudresh Shekar Shetty
Administrative Director
Human Resources

CGI Information Systems and Management Consultants Pvt. Ltd.
CIN: U72200KA1993PTC018138
5th Floor, Block B, DLF - SEZ Mahadevapura
Manyata Promenade Road
Chennai / 600 000 / India
Tel. +91 44-6647-0000 | Fax +91 44-6647-4660
cgi.com

July 10, 2017

REF: HRV/211725/17

Harsha Vardhan Reddy Vemal
No4-687 , SPY Reddy Model Colony ,
Kranti Nagar , Nandyal , 518502
Phone No : 9553589169

Dear Harsha Vardhan ,

Sub: Full and final settlement of your account

With reference to the aforementioned subject, we wish to inform you that Rs.26,361/- has been credited to your ICICI Bank account towards your full & final settlement.

The full and final settlement calculation summary, Income Tax work sheet and Service certificate are enclosed herewith.

Thanking you.

Yours sincerely,
For CGI Information Systems and Management Consultants Private Limited,

Rudresh Shekar Shetty
Administrative Director
Human Resources
Encl: As above

ANDHRAPRADESH POWER GENERATION CORPORATION LIMITED

CERTIFICATE

This is to certify that Miss. K. Hema (15121A1031) studying 2nd year B.TECH (ELECTRONICS & INSTRUMENTATION ENGINEERING) student of Sree Vidyanikethan Engineering College, Chittoor-District has successfully completed Internship training in RAYALASEEMA THERMAL POWER PROJECT for the period of Two weeks i.e from 15-06-2017 to 30-06-2017.

DATE: 30th JUNE 2017

External Guide

OFFICE SEAL
ASSISTANT DIVISIONAL ENGINEER,
I & C SUB-DIVISION-III
RTPP., V.V. REDDY NAGAR-516 312

A.RAMAKRISHNA REDDY,
ASST.DIVISIONAL ENGINEER,
INSTRUMENTATION & CONTROL

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SOUTH CENTRAL RAILWAY

NO.TR/M.226/Outsiders.

Office of the CWM,
Carriage Repair Shop,
Tirupati -- 517 506.
Dt.03.07.2017

To

Head Department of
Electronics and Instrumantation Engineering
Sree vidyanikethan Engineering college
Sree Sainath Nagar,
A.Rangampet
Tirupati -517 102 (A.P)

Sir,

Sub: Reliving of of 2nd year B.Tech Electronics and Instrumantation Engineering branch students of Shree Vidyanikethan Engineering college - Reg

Ref:1) Your letter .No. SVEC/EIE /13/2017 Dt. 23-06-2017.
2) This office letter of even No.27-06-2017.

&&&&&

In reference to the above, the following 2nd year B.Tech Electronics and Instrumantation Engineering branch students of your college have attended " Internship training at this workshop for a period from 27-06-2017 to 01-07-2017. They are relived to report at your collge please.

SL.No.	S/SRI Name of the student	PIN NUMBER
1.	M.SAI MANOJ	15121-A-1037
2.	M.SUMANTH	15121-A-1045

Thanking you,

Yours sincerely,

(G.ESWARAIAH)
Production Engineer
Carriage Repair Shop,
S.C.Railway/Tirupati.
PE / CRS / TPTY.

Prasar Bharati

INDIA'S PUBLIC SERVICE BROADCASTER

ALL INDIA RADIO

TIRUPATI - 517 501 (A.P)

****

CERTIFICATE

No.TPT.19 (4)/ARC/IPT/2017-18

Dated: 25-12-2017

This is to certify that Ms. P.ROOPA -1512A1051 student of Sree Vidya Nikethan Engineering College, Tirupati has completed In-Plant training at ALL INDIA RADIO, TIRUPATI on AIR FM Transmitter from 18-12-2017 to 24-12-2017 successfully.

ALL INDIA RADIO TIRUPATHI

(V.NIRANJAN REDDY),
ENGINEERING HEAD

वि. निरंजन रेड्डि
V. NIRANJAN REDDY
सहायक अभियंता / ASSISTANT ENGINEER
आकाशवाणी, तिरुपति (आं.प्र.)
ALL INDIA RADIO,TIRUPATI (A.P.)

3i TECHSO Technologies

044 - 4350 6363
+91 99627 55799
info@3itechso.com
www.3itechso.com

To whomsoever it may concern

This is to certify that **Ms. S.KEERTHANA** of Second year B.E E.I.E(Electronics and Instrumentation Engineering) Department, student of **Sree Vidhyanikethan Engineering College**, tirupathi, has Completed her Internship Training on **Embedded Systems and IOT** (Internet of Things) at **3ITechso Technologies Pvt.Ltd. Chennai,** from 16th june 2017 to 2nd July 2017.

For 3ITechso Technologies

Dinesh Raja P

(Technical Director)

3iTechso Technologies Pvt Ltd,
#74, 4th Floor, V-Block, 5th Avenue, Anna Nagar, Chennai - 600 040.

verzeo
learn here lead anywhere

Verzeo Edutech Pvt Ltd

TO WHOM IT MAY CONCERN

This is to certify that K.Arun Vardhan Reddy
studying in
Sree Vidyanikethan Engineering College
has successfully completed an internship for
45 days with us working on SharePoint. During the internship,
the student was found to be dedicated, hardworking and inquisitive.

Warm regards

VV Subrahmanyam

Director
Verzeo Edutech Pvt Ltd

edgerock
SOFTWARE SOLUTIONS

MCA 2016-17

Edgerock Software Solutions Pvt. Ltd
1st Floor, Phoenix Tech Tower, Plot No 14/46,
Survey No. 1 (Part), IDA-Uppal Village and Mandal,
Uppal Notified Industrial Area, Hyderabad, 500039, India
Phone: 040-67135321 | www.edgerocksol.com

From,
Edgerock Software Solutions Pvt. Ltd.
Hyderabad, Telangana

To,
Bhupalam Bharathkumar
Roll No. - 14121F0001,
Student of Master of Computer Applications,
Sree Vidyanikathan Engineering College,
Tirupathi, Andhra Pradesh

Date: 23-January-2017

Subject: Internship Letter

Dear Bharathkumar,

This letter is with reference to your job application for the post of SAP Hybris Commerce Analyst. We are happy to inform you that you have been selected for the applied post and are offering an internship position which will be for a minimum period of six months. After further review of your performance, you will be given a probation period.

Please join on or before 25-January-2017 otherwise the offer will be treated as null and void. We hope to have a fruitful association with you.

Best Regards,

T. Vamsi

Vamsi Thommandra
Human Resources Manager
Edgerock Software Solutions Pvt. Ltd.

Nviera
innovations | solutions | products

To

04.11.17

The Head of Department
Sree Vidyanikethan Engineering College (SVEC)
Sree Sainath Nagar, A.Rangampeta
Tirupati, Andhra Pradesh 517102

Dear Sir / Madam,

Sub:- Job offer confirmation for your students

We are pleased to inform that Nviera has confirmed job offer for your students who did internship during FY 2016-17. These interns will be offered a position of **Software Engineer – Trainee**. Please find below the names of those as given below.

1. P.Lavanya
2. B.V Kalyani
3. G.Brahmini
4. M.Mohan
5. Lakshmi Prasad
6. Babu Prakash
7. Aswini

We thank you for considering Nviera as your trusted corporate partner for offering internship to your college students.

Thanking you,

With best regards,

For Nviera Technologies Pvt Ltd.,

Shenbagam .A
Human resources

NVIERA TECHNOLOGIES PRIVATE LIMITED
No. 19, 1st Cross, P&T Colony
R.T. Nagar, Bangalore - 560 032
Karnataka, INDIA., Ph: 080 2333172

2016-2017

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)
SREE SAINATH NAGAR, TIRUPATI – 517 102

Department of Computer Science and Engineering

B.TECH – CSE STUDENTS INTERNSHIP PARTICIPATION DETAILS FOR 2016-2017

S. No.	Name of the participant	Name of the Partnering institution/ industry / research lab with contact details	Duration (From-To)	Nature of linkage	Project Title
1	APPAKONDAPPAGARI SREELEKHA	CGI, Bangalore	16.01.2017 to 08.06.2017	Industry linkage	People Course Management
2	CHINANNAGARI SNEHA				
3	CHUNDURU MOUNIKA				
4	KETHU KAVITHA	CGI, Bangalore	16.01.2017 to 08.06.2017	Industry linkage	Peoplesoft Course Application
5	MANDALAM VYSHNAVI PRIYA				
6	R SHIRISHA				
7	HARISH PURANAM	CGI, Bangalore	16.01.2017 to 08.06.2017	Industry linkage	-
8	MAYAKUNTLA SREEKANTH REDDY	CGI, Bangalore	16.01.2017 to 08.06.2017	Industry linkage	Task Reporting Application, Finance Support Team
9	MATAM MAHESWARA SWAMY				
10	K SAISWAPNA	CGI, Bangalore	16.01.2017 to 08.06.2017	Industry linkage	Asset and Resource Management
11	MIDDI TEJA SREE	CGI, Bangalore	16.01.2017 to 08.06.2017	Industry linkage	
12	SEETHI RAGASUDHA	CGI, Bangalore	16.01.2017 to 08.06.2017	Industry linkage	
13	PARVEEN				
14	THIRAMDASU PAVANI				

15	KASARAM SRIHARSHA	Adi Technologies	09.02.2017 to 09.08.2017	Industry linkage	-
16	CHANDRA SWARTHESH ADDANKI	Adi Technologies	09.02.2017 to 09.08.2017	Industry linkage	Software Development skills for current technologies
17	CHANDRA SWARTHESH ADDANKI	Google Translate Community	01.08.2016 to 31.08.2016	Industry linkage	CollegeBol Campus Ambassador Program
18	MUPPALLA HARITHA	AMAZON, Development Center India, Pvt Ltd., Hyderabad	22.02.2016 to 19.08.2016	Industry linkage	Inference Based Topology Control Algorithm for delay constraint MANETS

HOD, CSE

HEAD

Dept. of Computer Science & Engineering
SREE VIDYANIKETHAN ENGINEERING COLLEGE
Sree Sainath Nagar, A. RANGAMPET
CHITTOOR (Dt)-517 102, A.P.

506

(226)

CGI

CGI Information Systems and Management Consultants Pvt. Ltd.
Regd. Office: e.city, Tower 2, No.95/1 & 95/2,
Electronic City, Phase I (West),
Bangalore – 560 100, India
Tel +91-80-6642 2222 | Fax +91-80-6642 1200
cgi.com
CIN: U72200KA1990PTC019138

Personal and Confidential
January 11, 2017

Ms Sreelekha Appakondappagari
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Dear Sreelekha, 13121A0506

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of Intern and your Stipend is **INR 21,100/- per month.**

You are requested to report at our Bangalore office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 080-4194 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in Bangalore. However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

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Electronic City, Phase I (West)
Bangalore – 560 100. India
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cgi.com
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Ms.Sneha Chinannagari
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Personal and Confidential
January 11, 2017

Dear Sneha,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of Intern and your Stipend is INR 21,100/- per month.

You are requested to report at our Bangalore office on January 16, 2017. Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till June 8, 2017.

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before January 15, 2017
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- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

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cgi.com
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Ms.Mounika Chunduru
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Personal and Confidential
January 11, 2017

Dear Mounika,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Bangalore office on January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
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- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

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Electronic City, Phase I (West)
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Ms.Kavitha Kethu
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Personal and Confidential
January 11, 2017

Dear Kavitha,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Bangalore** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
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- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

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Ms.Vyshnavi Priya Mandalam
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Personal and Confidential
January 11, 2017

Dear Vyshnavi,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Bangalore** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
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The terms and conditions governing your employment are as under:

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Ms.Shirisha R
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Personal and Confidential
January 11, 2017

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Dear Shirisha,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Bangalore** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
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- Please contact us at 080-4194 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in **Bangalore.** However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
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CIN: U72200KA1990PTC019138

Mr.Harish Puranam
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati 517102.

Personal and Confidential
January 11, 2017

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Dear Harish,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Chennai** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
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- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 044-6647 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in **Chennai.** However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

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cgi.com
CIN: U72200KA1990PTC019138

Mr.Sreekanthreddy Mayakuntla
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

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Personal and Confidential
January 11, 2017

Dear Sreekanthreddy,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Bangalore** office **on January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

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Maheshwaraswamy
13121A0595

CGI

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cgi.com
CIN: U72200KA1990PTC019138

Personal and Confidential
January 11, 2017

Mr.Maheswaraswamy Matam
Sree Vidyanikethan Engineering College
NH-71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Dear Maheswaraswamy,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

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- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before January 15, 2017
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 080-4194 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in Bangalore. However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

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CGI

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CGI Information Systems and Management Consultants Pvt. Ltd.
Regd. Office: e.city, Tower 2, No.95/1 & 95/2,
Electronic City, Phase I (West)
Bangalore – 560 100. India
Tel +91-80-6642 2222 | Fax +91-80-6642 1200
cgi.com
CIN: U72200KA1990PTC019138

Personal and Confidential
January 11, 2017

Ms.Sai Swapna Korepu
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Dear Sai,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Chennai** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment **till June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 044-6647 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in **Chennai.** However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

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Bangalore – 560 100. India
Tel +91-80-6642 2222 | Fax +91-80-6642 1200
cgi.com
CIN: U72200KA1990PTC019138

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Personal and Confidential
January 11, 2017

Ms.Tejasree Middi
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati-517102.

Dear Tejasree,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend** is **INR 21,100/- per month.**

You are requested to report at our **Chennai** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment **till June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
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- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 044-6647 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in **Chennai.** However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

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CGI Information Systems and Management Consultants Pvt. Ltd.
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Electronic City, Phase I (West)
Bangalore – 560 100, India
Tel +91-80-6642 2222 | Fax +91-80-6642 1200
cgi.com
CIN: U72200KA1990PTC019138

Personal and Confidential
January 11, 2017

Ms.Ragasudha Seethi
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

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Dear Ragasudha,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Chennai** office on **January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 044-6647 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in **Chennai.** However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

Contd...2...

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Regd. Office: e.city, Tower 2, No.95/1 & 95/2,
Electronic City, Phase I (West)
Bangalore – 560 100. India
Tel +91-80-6642 2222 | Fax +91-80-6642 1200
cgi.com
CIN: U72200KA1990PTC019138

Ms.Parveen Palgiribasha
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Personal and Confidential
January 11, 2017

Dear Parveen,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of Intern and your Stipend is INR 21,100/- per month.

You are requested to report at our Chennai office on January 16, 2017. Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till June 8, 2017.

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before January 15, 2017
- Your reporting time on the joining date is 8:30 a.m. Kindly note that it is important to be on time to complete the joining formalities
- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 044-6647 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in Chennai. However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

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CGI

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cgi.com
CIN: U72200KA1990PTC019138

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Personal and Confidential
January 11, 2017

Ms.Pavani Thiramdasu
Sree Vidyanikethan Engineering College
NH 71, Sree Sinath Nagar
A. Rangampet
Tirupati -517102.

Dear Pavani,

I am delighted to offer you a role at CGI where we strive to create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of. We are very excited about the prospect of having you join us, and look forward to welcoming you.

As part of the leading top 5 independent information technology companies in the world, there are many opportunities for growth and development, both individually and as part of a large professional community. I hope you will choose to be part of our CGI Global Community, a team of extraordinary people building a company that reflects their aspirations and is supported by our shared vision and values.

We are offering you the position of **Intern** and your **Stipend is INR 21,100/- per month.**

You are requested to report at our **Chennai** office **on January 16, 2017.** Your internship will be effective on your joining date. If you do not confirm your acceptance, this offer will be withdrawn.

We understand you are full time student and this is a part of your course requirement and it is a temporary assignment till **June 8, 2017.**

- To confirm your acceptance of this offer, you are required to communicate via email to your assigned Recruiter's CGI e-mail id and confirm your joining date. The above mentioned date of joining will be confirmed only on receipt of your acceptance to the above email-Id on or before **January 15, 2017**
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- On your joining date, please bring the originals and one set of photocopies of the documents mentioned in Annexure-B
- Please contact us at 044-6647 0000 (Monday to Friday between 9:30 a.m. to 5:30 p.m.) or via the above mentioned email-Id for any queries regarding your employment offer

The terms and conditions governing your employment are as under:

- Your initial posting of internship will be in **Chennai.** However, your services are transferable anywhere in India as also anywhere abroad within the CGI group of companies. In case your services are transferred to any of our group companies, you are required to abide by the rules and regulations pertaining to that company. You will carry out your duties as per the instructions of your superiors from time to time
- Your stipend is strictly between yourself and the Company. This information and any changes made therein should be treated as personal and confidential and should not be shared with anyone

Krishnanand Pattabiraman
Managing Director

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Adi Technologies
HOSUR CENTRE

Doc/Kasaram Sri Harsha/ProjectApprentice/2017 Bangalore, 3-Feb-2017

To
Mr Kasaram SriHarsha,
H.No: 2-90, Pudipatla,
Tirupati, Chittoor District,
Andhra Pradesh- 517505

Sub: Project Trainee Apprentices

Dear Mr Sri Harsha,

Further to the interview, we are pleased to offer, you an opportunity, to train yourselves, in various skills of software development, in our company from Feb 2017, for a period of 6 months.

Your date of commencement, will be 9th Feb 2017.

During which period, you are expected to follow regular attendance, with the company. Your reporting manager, will be your project guide or as appointed by the company, during your stay, with us.

Please note, being a student yourselves, you will be permitted, a maximum of 3 sessions of absence from training, for writing you exams and related university/college formalities, but no more than 10 days, in total.
Please submit the copy of 10th,12th,latest engineering marks sheet along with copy of Aadhar card and Pan card.

Please confirm, by return mail, your acceptance and confirmation.

Best wishes,

Yours Sincerely,

Krishnanand Pattabiraman
Director.

Address: # 6/G, Bagalur Main Road, Teacher's Colony, Hosur - 635 109.T.N ☎:04344-656565

Krishnanand Pattabiraman
Managing Director

Adi Technologies
HOSUR CENTRE

Doc/Kasaram Sri Chandra Swarthesh Addanki/ProjectApprentice/2017
Bangalore, 3-Feb-2017

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To
Mr Chandra Swarthesh Addanki,
H.No: 18, 2 nd crosss,
Nagarjuna Nagar,
Thummalagunta,
Tirupati, Chittoor District,
Andhra Pradesh- 517502

Sub: Project Trainee Apprentices

Dear Mr Chandra Swarthesh,

Further to the interview, we are pleased to offer, you an opportunity, to train yourselves, in various skills of software development, in our company from Feb 2017, for a period of 6 months.

Your date of commencement, will be 9th Feb 2017.

During which period, you are expected to follow regular attendance, with the company. Your reporting manager, will be your project guide or as appointed by the company, during your stay, with us.

Please note, being a student yourselves, you will be permitted, a maximum of 3 sessions of absence from training, for writing you exams and related university/college formalities, but no more than 10 days, in total.
Please submit the copy of 10th,12th,latest engineering marks sheet along with copy of Aadhar card and Pan card.

Please confirm, by return mail, your acceptance and confirmation.

Best wishes,

Yours Sincerely,

Address: # 6/G, Bagalur Main Road, Teacher's Colony, Hosur - 635 109.T.N ☎:04344-656565

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(242)

16-Feb-2016

To,
MUPPALLA HARITHA,
Sree Vidyanikethan Engineering College,
A. Rangampet,
Near Tirupati - 517 102

Re: Offer of Internship

Dear Haritha,

On behalf of Amazon Development Centre (India) Private Limited (the "Company"), We are very pleased to issue this offer letter for the position of **Support Engineer Intern, Hyderabad.** This offer letter outlines only the basic terms which are not exhaustive and does not include the detailed terms and conditions of your internship. This offer is subject to your acceptance of terms of the internship agreements referenced below. This offer is contingent on a candidature reference and successful completion of the background check done by the company.

Start Date and Salary
Unless we mutually agree otherwise in writing, you will commence internship on **22-February-2016** and end on **19-Aug-2016.** Your internship stipend will be **Rs. 20000 (Rupees Twenty Thousand Only)** per month, payable in accordance with the Company's standard payroll practice and subject to applicable withholding taxes.

Benefits
During the term of your internship, you will not be entitled to vacation, medical and any other employee benefits

Relationship of parties
This internship neither creates the relationship of employer and employee beteween the Company and the candidate nor does it assure or guarantee future employment with the Company.

Termination of Internship
If you accept our internship offer, either you or the company may terminate the internship at any time for any reason, with or without cause. Any statements to the contrary that may have been made to you, by the Company, its agents, or representatives are superseded by this offer letter.

Internship Agreement and Confidentiality, Noncompetition and Invention Assignment Agreement
On acceptance of this offer of internship, your internship will be conditional on, and subject to, the terms of a written agreement between you and the Company, as well as the Company's Confidentiality, Noncompetition and Invention Assignment Agreement (the "NDA"). You are requested to note that NDA will significantly restrict your future flexibility in many ways. For example, you will be unable to seek or accept certain employment opportunities for a period of upto 12 months after you leave the Company. Please review the Agreement and NDA carefully and if appropriate, have your attorney review it as well.

Irrespective of the background check conducted by the company, in case you are not an Indian national and required to obtain applicable visa / authorisation or permission from appropriate government authorities, you are required to ensure all such permissions are obtained before commencement of this internship and submit a copy to the company. The validity of the offer letter shall cease to effect, if it is found that you do not have required permission / authorisation / visa, as the case may be.

If you wish to accept internship with the Company, please indicate so by signing both copies of this letter, retaining one for your files. This offer and all terms of internship stated in this letter will expire if you have not returned a signed copy of this letter by **19-Feb-2016** along with the NDA delivered to you. If you intend to start your internship within five days of receiving this offer, please contact me immediately. In the event of there being conflict or inconsistency in the Agreement and NDA on one side and this letter of offer on another, the terms of Agreement and NDA, shall prevail.

We are very excited about the possibility of you joining our internship program. We hope that you will accept this offer and look forward to a productive and mutually beneficial working relationship. Please let me know if I can answer any questions for you about any of the matters outlined in this letter.

Sincerely,
For and on Behalf of Amazon Development Centre (India) Private Limited

Ramesh Talagampa
Sr. Recruiter

ACCEPTANCE
I accept internship with the Company under the terms set forth in this letter:

M. Haritha
MUPPALLA HARITHA

22.02.16
Date

2016-17

NP

(937)

Sudesh Sivarasu, B.Eng., M.Eng., Ph.D.

Senior Lecturer - Biomedical Engineering

Division of Biomedical Engineering,
Department of Human Biology
Faculty of Health Sciences
University of Cape Town – Medical School
Observatory 7925 South Africa
Tel: +27 21 404-7613, Fax: +27 21 448-7226
Sudesh.Sivarasu@uct.ac.za

Date: 27.11.2016

To
The Principal
Sree Vidyanikethan Engineering College
Tirupati – 517 102.

Dear Sir

Sub: Collaboration with Sree Vidyanikethan Engineering College in the project "Frequency Modulated Hearing Aid for Elderly" – reg.

I am delighted to work as a Collaborator in the project entitled "Frequency Modulated Hearing Aid for Elderly" applied to DST under TIDE program as I find the proposal interesting and useful to the society.

In this regard, I accept that I will participate in the project execution.

Thanking you,

Yours Sincerely,

Dr. Sudesh Sivarasu
Senior Lecturer - Biomedical Engineering
Head of Biomechanics and Medical Devices Research Group,
University of Cape Town

2016-17

CE (M)

238

SVEC - Department of Civil Engineering - Rain Water Harvesting Model - Smart Village programme - Reg.

Dear Sir, In continuation of our previous mail regarding rain water harvestin...

Dear Sir, Greetings & Happy New year 2016. I am extremely sorry for the delay...

Sastry Malladi

to me, Cpoctr

Dear Sir,
Thanks for the visit of Dr Subbareddy garu and Dr Srinivasulu garu at Kappalle on 23rd Jan, from your esteemed college - Sree Vidya Niketan College of Engineering, Tirupati.

We had a village round to understand the geography and the actual scenarios.

The following was the understanding we have got, basis the discussions we had with them.

1. Kappalle has got inherent issue of natural water flows not supporting the recharge of ground water. Most of the channels are going out of the village. There is no nearby sufficiently big enough water body to support the same. Hence, the current good situation of water availability (supported with recent floods and rains) will be a question mark by year 2018.

2. Kappalle has to plan for sorting out 2018 water problem in a very definitive manner. There are 2 areas to work on this front :
   A. Deepen the pond depth which is the only waterbody within the village
   B. Identify the opportunity to build a water pond at one of the identified water channel flow. Sarpanch and team are clearly indicated about the location. Local admin team to check with records and see the impact of digging water pond nearby

3. Team of 2-3 Engineering college students (Final year Civil Engineering) will be working at Kappalle Gram Panchayat , to design the Rain Water Harvesting Structures for each of the 650+ houses. This can be taken up with appropriate timelines of students curriculum

Today's newspaper (Eenadu) has covered the event. Attaching the pdf.

My apologies on behalf of Eenadu : Its mentioned as Agri scientists. It should have been printed as Civil Engg professors.

Seeking support and collaboration from you on further plans,

Regards
Sastry

నైపుణ్యాభివృద్ధి పెంపుదలతోనే గ్రామాల ప్రగతి

కాప్పల్లె (రామసముద్రం), న్యూస్‌టుడే : ప్రజలు తాము చేసే పనిలో నైపుణ్యతను సాధిస్తేనే గ్రామాలు అభివృద్ధి సాధిస్తాయని విద్యావేత్త హనుమత్‌శాస్త్రి అన్నారు. మండలంలోని కాప్పల్లె గ్రామ పంచాయతీ కార్యాలయంలో శనివారం ఆయన రైతులతో సమావేశమయ్యారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ తాను కాప్పల్లె పంచాయతీని స్మార్ట్‌విలేజ్‌గా తీర్చిదిద్దడానికి దత్తత తీసుకున్నానన్నారు. తన బాధ్యతగా గ్రామాభివృద్ధికి సాయం అందిస్తానని, ఇక్కడి రైతులందరు వ్యవసాయంలో రాణించాలని, మారుతున్న ఆధునిక సాంకేతిక పరిజ్ఞానాన్ని వ్యవసాయంలో ఉపయోగించాలని కోరారు. ప్రభుత్వం అమలు చేస్తున్న ప్రధానమంత్రి కౌశిక్ విజ్ఞాన్ యోజన, ముద్రాబ్యాంకు వంటి పథకాలను సద్వినియోగం చేసుకోవాలన్నారు. డిజిటల్ ఇండియాలో భాగంగా గ్రామీణులు కూడా ఆన్‌లైన్ సేవలు, ఇంటర్నెట్ సేవలను సద్వినియోగం చేసకోవాలన్నారు. వ్యవసాయరంగంలో వస్తున్న నూతన సాంకేతిక విజ్ఞానంపై తిరుపతికి చెందిన వ్యవసాయ శాస్త్రవేత్తలు డాక్టర్ సుబ్బారెడ్డి, డాక్టర్ శ్రీనివాసులు వివరించారు. కార్యక్రమంలో సర్పంచి వెంకటరమణ, ఉపాధిహామీ క్షేత్రసహాయకులు శంకర్‌రెడ్డి తదితరులు పాల్గొన్నారు.

2016-17
CE

Date: 21-01-2016,
Place: A. Rangampet.

M
238 B

To
The Principal
Sree Vidyanikethan Engineering College
Sree Sainath Nagar,
Tirupati - 517102,
Andhra Pradesh,
Chittoor Dist, A.P, INDIA.

Respected sir

Subject: Field Visit for Rain Water Harvesting Model as part of Smart Village program- Permission-Request-Regd

Ref: 1. Email from Sri. M. Sastry – dated- 24th Nov 2015
2. Email from HOD, Civil Engineering – dated – 17th Dec 2015

With reference to above subject we would like to bring to your notice that Sri M. Sastry one of the main persons associated with the Village Transformation Program as part of smart village program of Andhra Pradesh government requested support from our college in his email dated -24th November 2015 to solve water scarcity in the Kappalle village, in Ramasamudram Mandal, Chittoor district. The department of civil engineering has given reply through email stating some points with regard to their problem.

In this regard, during phone conversion with them on 19th January 2016 he requested us to visit field for preliminary investigation on 23rd January 2016. In this connection, from the department two faculty members (Dr. M. V. Subba Reddy and Dr. D. Sreenivasulu) are attending the field visit and I request for your approval to visit Kappalle village on the said date and kindly permit us to avail T.A. and D.A. during this program. Please consider our absence during the above said date as on duty. The reference letters are attached herewith.

Thanking you sir

Your sincerely

Dr. M.V. Subba Reddy

Dr. D. Sreenivasulu 21/01/2016

Forwarded
21/1/2016
HOD/CE

SAO/AO

Permitted & Sanctioned OD on 23/01/2016

2016-17 CE

January 27th 2016

M

From

Dr. M.V.Subba Reddy & Dr.D.Sreenivasulu
Dept. of Civil Engineering
Sree Vidyanikethan Engineering College (Autonomous)
A. Rangampet, Tirupati-517102

To

The Principal
Sree Vidyanikethan Engineering College (Autonomous)
A. Rangampet, Tirupati-517102

Sir,

Sub: Field visit for rainwater harvesting model as part of smart Village Programme-T.A and D.A bill-Reg.
Ref: Permission letter dated 21-01-2016

We have attended Field visit to Kappalle village, Ramasamudram mandal, Chittoor district for rainwater harvesting model as part of smart Village Programme of Andhra Pradesh on 24th January 2016. Here, we have enclosed a field report and the mail sent by Sri. Sastry M. for your perusal.

The following expenses have been incurred for attending the above programme:

		Particulars	Rs. ps
1		**T.A (Towards & Return Journey)**	
	i	Home to Tirupati Bus stand	60.00
	ii	Tirupati to Madanapalle (Travelled by Bus)	222.00
	iii	Madanapalle to Punganur (Travelled by Bus)	52.00
	iv	Punganur to Ramasamudram (By Auto)	40.00
	v	Ramasamudram to Kappalle (By Auto)	60.00
	vi	Ramasamudram to Punganur (By Auto)	40.00
	vii	Punganur to Madanapalle (Travelled by Bus)	32.00
	viii	Madanapalle to Tirupati (Travelled by Bus)	222.00
	ix	Tirupati Bus stand to Home	60.00
2		**D.A (@600/- day)**	1200
		Total	**1988**

Hence , I request you to kindly reimburse the amount of **Rs. 1988/- (One thousand nine hundred eighty eight only).**

Thanking you

Yours sincerely

(Dr.M.V.Subba Reddy)

(Dr.D.Sreenivasulu) 27/01/2016

Forwarded

Recommended 29/1/16

HOD/CE

Report on Field Visit
Kappalle village, Ramasamudram mandal, Chittoor district, Andhra Pradesh
24, January 2016

As part of the smart village programme of Andhra Pradesh, Sri Sastry Malladi adopted Kappalle village to implement village transformation programmes. Sri Sastry Malladi sent a mail to the Principal, Sree Vidyanikethan Engineering College for the support in modeling the rainwater harvesting structures. Based on the instructions of the Principal, SVEC, and Director, SVEC and suggestions of head, department of Civil Engineering a team of two faculty members (Dr. M.V.Subba Reddy and Dr. D.Sreenivasulu) visited the Kappalle village on 23rd November 2016.

Kappalle village is located in the Survey of India toposheet (57 K/7) and south-west of Chittoor district. There is no main stream flowing through or near the village and hence the rate of groundwater recharge is poor and no potential zones of groundwater for irrigation in this village. Because of the geographic disadvantage the Kappalle village faced acute water scarcity beside the eratic rainfall before the recent floods in chittoor distict.

There are three small streams that are flowing near the village are also first and second order streams. So the availability of water for irrigation is only for few days. There is only one small tank in the upstream of the village through which some of the area of kappalle is getting recharged. After the interaction made with village sarpanchat and other villagers we have seen streams,wells and tanks around the village and suggested **deepening and widening of the existing tank**. We have also **identified and suggested two places to construct check dam and small artificial tank** to impound more water to recharge the subsurface aquifers. The rainwater harvesting and water conservation measures in water scarce regions are useful techniques for augmentation of groundwater recharge and base flow in rivers, particularly during the lean flow season.

We have collected the basic information to design a roof water and rainwater harvesting structures. But it is possible to suggest a suitable roof water design only with intensive field survey with surveying instruments for a period of ten days.

Field Visit for Rain Water Harvesting Model as part of Smart Village program – , Sri Sri M. Sastry, local haeds, Village sarpanch, Dr. M. V. Subba Reddy and Dr. D. Sreenivasulu (left to right) on dated -23rd January 2016 at gram panchayat

Field Visit for Rain Water Harvesting Model as part of Smart Village program - Dr. D. Sreenivasulu, Dr. M. V. Subba Reddy, Sri Sri M. Sastry, Village sarpanch, local haeds (left to right) on dated -23rd January 2016

NATIONAL SEMINAR
On
CONJUNCTIVE USE OF SURFACE WATER AND GROUNDWATER IN MAJOR AND MEDIUM IRRIGATION PROJECTS
(11th and 12th February, 2016)

REGISTRATION FORM

Name in Full: .....

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If Yes Title of the Abstract Paper: .....

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Do you need accommodation: YES ☐ NO ☐

Signature

Name:

Date:

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Principal Secretary,
Water Resources Department, Government of Andhra Pradesh.

Co-Chairpersons

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Water Resources Department, Government of Andhra Pradesh.

Sri. V. Venkataramaiah, IFS,
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Water Resources Department

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Director, Ground Water Department

Co-Convener

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V.R. Siddhartha Engineering College, Vijayawada

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IWMI, ICRISAT, WAPCOS,

Prof. Rajendra Prasad (Retd.),
Andhra University, Visakhapatnam

All correspondence to

Dr. K.Venugopal,
Director
Ground Water Department,
7th & 8th Floors, B.R.K.R. Bhavan, Saifabad, Hyderabad - 500063
Tel: +91 40 2322 3220 Fax: +91 40 2322 3502
Email: apsgwd.apwsip@gmail.com, director-apsgwd@rediffmail.com

నీరు-చెట్టు

NATIONAL SEMINAR
On
CONJUNCTIVE USE OF SURFACE WATER AND GROUNDWATER IN MAJOR AND MEDIUM IRRIGATION PROJECTS
(11th and 12th February, 2016)

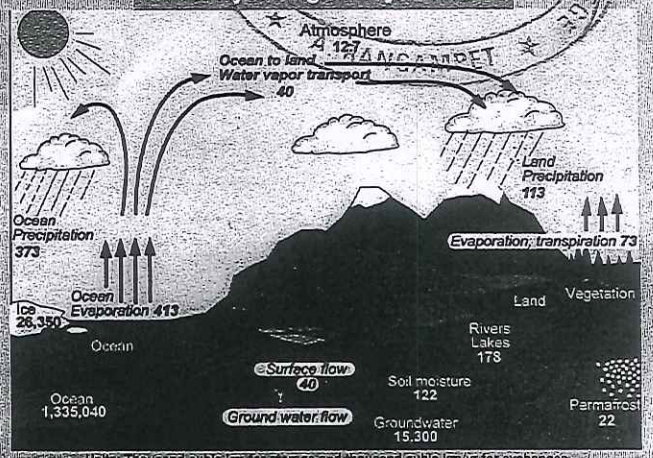
Jointly organized by

GOVERNMENT OF ANDHRA PRADESH
WATER RESOURCES DEPARTMENT
(Irrigation and Groundwater Departments)
and
DEPARTMENT OF CIVIL ENGINEERING, VELAGAPUDI
RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE

Venue

P.B.Siddhartha Arts and Science College,
Vijayawada, Krishna District, Andhra Pradesh.
Phone: 91-866-2475866, 2476026 Fax: 91-866-2476086
E-mail: siddhartha.academy@yahoo.in

Hydrological Cycle



Units: Thousand cubic km for storage and thousand cubic km/yr for exchanges

This illustration of the hydrological cycle shows water changing phase, from liquid to solid to gas and back to liquid, as it moves through the Earth system. The estimated global volume of water stored in each part of the system or exchanged with another part during a year is given in cubic kilometers (1 cubic km = 0.244 cubic miles). Aiguo Dai and colleagues, NCAR's Climate and Global Dynamics Division, estimated these long-term means, or averages, based on available data, which comes mostly from the latter half of the 20th century.

Gmail

Padmaja Nimmagadda <padmaja202@gmail.com>

GRSL paper ready for your access

Mon, Nov 21, 2016 at 10:08 AM

Geoscience and Remote Sensing Letters
<onbehalfof+m.montopoli+isac.cnr.it@manuscriptcentral.com>
Reply-To: m.montopoli@isac.cnr.it
To: padmaja202@gmail.com
Cc: m.montopoli@isac.cnr.it

Dear Prof. CHODA,

Thank you for agreeing to review the "Geoscience and Remote Sensing Letters" paper

GRSL-01258-2016 Spectral Feature Based Classification of Wind Profiler Power Spectra by Sinha, Swati; Sarma, Chandra shekar; R, Mary

To access the manuscript, you may either click on the link below (which will take you directly to the reviewer scoresheet)

https://mc.manuscriptcentral.com/grsl?URL_MASK=42f977c3b75342ac9343259a8c511a67

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If you encounter any problems please contact the GRS Manuscript Review Assistant at tgrs-editor@ieee.org, the technical support help desk at 804-817-2040-ext167, or n.cicero@ieee.org.

Sincerely,

Dr. Mario Montopoli
Associate Editor, IEEE Geoscience and Remote Sensing Letters

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ME

193

A REPORT ON INDUSTRIAL VISIT TO TI AUTMOTIVES LIMITED, CHENNAI On

31/1/2017

BY

STUDENTS OF

(II B.TECH, II SEMESTER,

A SECTION, MECHANICAL ENGINEERING)

SREE VIDYANIKETHAN
Engineering College
(Autonomous)

DEPARTMENT OF MECHANICAL ENGINEERING

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati – 517 102, A.P.

ME

Dr P C Krishnamachary, ME., PhD.,
Principal

SREE VIDYANIKETHAN
Engineering College
(Autonomous)

To

Date: 3.12.2016

The Manager,
T I Automotives Private Limited,
Tamilnadu, India,

Dear Sir,

Sub:-Sree Vidyanikethan Engg. College – Dept. of Mechanical Engg. – II B.Tech, (Mechanical Engg. Students) – Industrial visit – Request for permission to visit your esteemed organization– Reg.

I am happy to inform youthat Sree Vidyanikethan Engineering College was established in the year 1996 by Dr.M.Mohanbabu, a renowned movie artiste and former member of Parliament with the noble objective of promoting quality technical education. The college has been conferred Autonomy by the University Grants Commission (UGC) and accredited by National Board of Accreditation (NBA). It is one of the leading Engineering Colleges in Andhra Pradesh, India. The Department of Mechanical Engineering at Sree Vidyanikethan was started in the year 2011 with an intake of 60 students and this year with 180 students.

Students of II B.Tech (Mechanical Engineering) are interested to visit your esteemed organization to acquire sufficient knowledge on processes and other industrial operations taking place in your organization.

In this regard, we request you to permit our 67 students and 2 faculty members on any day of January 2017. I shall be highly obliged to you if you can kindly accept our request. A word of confirmation in this regard is earnestly solicited.

Looking forward for your permission.

Thanking you,

Yours Sincerely,

(Dr P C KRISHNAMACHARY)
PRINCIPAL
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dist.) - 517 102, A.P., INDIA.

Sree Sainath Nagar, Tirupati,
Andhra Pradesh - 517 102.
+91-877-3066900/01
+91-877-2236712/14
0877-3066999
www.vidyanikethan.edu

(240)

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Ref. No.COE/Ph.D/ 2017/528 Date:16.03.2017

From
Dr. K.K.Suresh
Research Co-ordinator
Examination Section
Bharathiar University
Coimbatore-46.

To
Dr.V.V.Rama Prasad
Professor&Chairman, Bos In CSE
Sree Vidyanikethan Engineering
College,A.Rangampet-517102
Near Tirupathi.(A.P)
Ph:9441495515,9700087244

Dear Professor,

Sub: Adjudication on the Ph.D **Thesis** submitted to Bharathiar University –Reg.

Ref: 1. Our letter ...E-Mail.... Dated : 20.02.2017
2.Your letter ....E-Mail.... Dated : 20.02.2017

While thanking you for having accepted the offer of appointment to be a member of the board of examiners to adjudicate the Ph.D. thesis entitled **EMPIRICAL STUDIES ON THE PERFORMANCE OF SOFT COMPUTING TECHNIQUES FOR THE DEVELOPMENT OF EARLY WARNING SYSTEM FOR DENGUE OUTBREAK.** submitted by **LAKSHMI DEVI. R.** I am sending herewith a copy of the thesis for adjudication.

You are requested to send adjudication report on the thesis in duplicate as in the enclosed PROFORMA to the CONTROLLER OF EXAMINATIONS by name, within 60 days from the date of the receipt of the Ph.D. thesis. It is mandatory that the adjudicator shall affix his/her signature along with the official seal in the evaluation report.

At the end of the adjudication report please indicate without fail whether the thesis is **Highly commended or commended or Not commended**. In case of revision, please indicate whether the revised thesis is required to be sent to you for further evaluation or whether it is sufficient to incorporate corrections in the thesis before viva-voce examination.

Thanking you,

Sincerely

K.K. Suresh 16/3/17

Research Co-ordinator

Encls:
1. Thesis copy
2. Regulation regarding the evaluation of Ph.D. thesis
3. PROFORMA
4. Claim bill

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2015-2016

NP 92 2016-17. ECE (241)

Gmail

Padmaja Nimmagadda <padmaja202@gmail.com>

Review Status - ICACCI-2016, Jaipur

Icacci Chairs Jaipur <icacci.jaipur@gmail.com> Fri, Jul 1, 2016 at 7:55 PM
To: Nimmagadda Padmaja <padmaja202@gmail.com>

Dear Dr. Nimmagadda Padmaja

Many thanks for supporting the Fifth International Conference on Advances in Computing, Communications and Informatics (ICACCI-2016), Jaipur, India, as a Program Committee member.

It would help, if you can post your comments by ** July 4 ** so that we can notify the authors as early as possible.

Thanks in advance.

Kind regards,

Chairs, ICACCI 2016, Jaipur, India

Gmail Gireesh Namineni <naminenigireesh@gmail.com>

Thank you for submitting your review of Manuscript ID TCON-2017-0013 for the International Journal of Control

1 message

International Journal of Control Mon, Feb 6, 2017 at 4:40 PM
<onbehalfof+imarkovs+vub.ac.be@manuscriptcentral.com>
Reply-To: imarkovs@vub.ac.be
To: naminenigireesh@gmail.com

06-Feb-2017

Dear Mr. Gireesh Namineni

Thank you for reviewing manuscript # TCON-2017-0013 entitled "Fractional-order Kalman filters for continuous-time linear and nonlinear fractional-order systems using Tustin generating function" for the International Journal of Control.

Your help on this occasion is greatly appreciated and I hope to be able to call on our expertise in the future.

Sincerely,
Dr. Ivan Markovsky
Associate Editor, International Journal of Control
imarkovs@vub.ac.be

*** 2008-Discount-leaflet-a-14-1.pdf**
129K

2016-17 BCD

93

Gmail

Padmaja Nimmagadda <padmaja202@gmail.com>

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Invitation to review a short paper for GRSL

Geoscience and Remote Sensing Letters
<onbehalfof+m.montopoli+isac.cnr.it@manuscriptcentral.com>
Reply-To: m.montopoli@isac.cnr.it
To: padmaja202@gmail.com

Mon, Nov 21, 2016 at 12:30 AM

Dear Prof. CHODA:

The manuscript:

GRSL-01258-2016 Spectral Feature Based Classification of Wind Profiler Power Spectra

By: Sinha, Swati; Sarma, Chandra shekar; R, Mary

has been submitted to the IEEE Geoscience and Remote Sensing Letters. Considering your research in related fields, do you think you would be able to provide a review of this paper? The abstract of the paper can be found at the end of this email.

For letter papers, we normally allow two to three weeks to complete a review. A prevailing goal of GRSL is rapid publication and therefore it is important to complete your review within this deadline.

If you accept my invitation to review this manuscript, you will be notified via email about how to log on to ScholarOne Manuscripts. You will then have access to the manuscript and reviewer instructions in your Reviewer Center.

The journal site https://mc.manuscriptcentral.com/grsl.

Within 3 days, please do one of the following:

1) Click the appropriate link provided below to automatically register your reply with ScholarOne Manuscripts, our online manuscript submission and review system.

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Declined: https://mc.manuscriptcentral.com/grsl?URL_MASK=c6d3f979597146f1aa5bc6720033f718

OR

2) Email me with your reply.

If you are unable to review at this time, I would appreciate you recommending another expert reviewer.

Sincerely,

Dr. Mario Montopoli
Associate Editor, IEEE Geoscience and Remote Sensing Letters

Abstract of Paper:

Wind Profilers (WP) are coherent pulsed Doppler radars operating in UHF and VHF bands. They receive clear air echoes and estimate vertical profile of 3 dimensional (3-D) wind velocities. WP radars also receive backscatter from different weather targets like meteors, ionospheric structures, precipitation etc. Modern wind profilers operate for long hours and generate a large amount of data. During these sessions, the radar operating parameters are often changed to observe targets from different height and velocities. Due to this, the radar data stream contains Doppler power spectra from different atmospheric targets. In order to facilitate systematic analysis, study and archival; this data needs to be segregated according to the target type. This paper presents an algorithm that involves simple search of

Journal of Signal Processing and Wireless Networks

Editorial Team

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ISSN : 2456-3048

ANNA UNIVERSITY

CENTRE FOR RESEARCH

Sardar Patel Road, Chennai - 600 025, India

Prof. R. JAYAVEL, Ph.D.
DIRECTOR

Lr.No. 71010422001/Ph.D./AR13 Dated: 24.11.2016.

Dear **Dr. V.V.Rama Prasad,**

Sub: Anna University - Ph.D. Thesis of **Ms.Akila.K**– Evaluation report – Requested - Reg.

Ref: Your acceptance letter Dated: 31.10.2016.

***

I gratefully acknowledge your letter cited above and thanking you to evaluate the Ph.D. Thesis of **Ms.Akila.K**, entitled

"EARLY DETECTION OF BREAST CANCER USING IMAGE PROCESSING ALGORITHMS AND ESTIMATION OF OVERALL RISK GRADE"

I enclose the above thesis with a request to evaluate it and forward your assessment in the prescribed Evaluation Report Form. In addition, you are also requested to give a detailed report, indicating your specific comments on the thesis and questions, if any, to be answered by the candidate at the time of Oral Examination. If the thesis requires any revision, I request you to suggest the specific nature of revision so that it will help the scholar to revise suitably.

I once again request you to send your Evaluation Report along with a detailed report at an early date **(in any case, not exceeding two months)**. Kindly quote the **Reference code: 71010422001/Ph.D./AR13** in all future correspondence. I am also enclosing the extract of Ph.D. regulations pertaining to Ph.D. thesis evaluation for favour of your information.

Since evaluation of Ph.D. thesis is highly confidential, I request you to contact only the Director (Research) for clarifications such as acceptance, evaluation report, etc. **No correspondence should be made to the supervisor or with the scholar or with any other person in this matter.**

With best regards,

Yours sincerely,

24/11/16

DIRECTOR

Encl.:
1. Thesis
2. Evaluation Report Form
3. Ph.D. Guidelines
4. Remuneration Claim Form

To
Dr. V.V.Ramprasad
Professor
Department of Computer Science & Engineering
Sree Vidyanikethan Engineering College
A.Rangampet ,-Tirupati-517102
Phone: +91-9441495515
Email: vvrammprasad@rediffmail.com

CSE
2015 - 2016

EEE 2019-2020

246

SRI VENKATESWARA UNIVERSITY
COLLEGE OF ENGINEERING, TIRUPATI- 517 502, A.P., INDIA

Office : +91- 877-228931
FAX : +91- 877-2249900

Date: 17-11-2016

Certificate

This is to certify that ....Dr. T. Nageswara Prasad....., ...Professor....., Department of Electrical & Electronics Engineering has attended as a ....Chair Person.... for ...a Session... on ..17-11-2016 in a 1st International Conference on **"GREEN POWER TECHNOLOGY IN POWER GRID: ISSUES, CHALLENGES & CONTROL (ICGPTPG-2016)"** during **16th –18th November,2016**, organized by the *Department of Electrical and Electronics Engineering, S V University College of Engineering, S.V.University, Tirupati.*

Convener
(ICGPTPG-2016)

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247

N.B.K.R.INSTITUTE OF SCIENCE & TECHNOLOGY
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Re-Accredited by NAAC (UGC) with 'A' Grade :: An ISO 9001: 2008 Certified Institution
VIDYANAGAR-524 413, SPSR Nellore Dt., A.P.
e-mail : ist@nbkrist.org, website : www.nbkrist.org, Phone : (08624) 228247, FAX : (08624) 228257

QUEST INTERNATIONAL CERTIFICATION

To

Dr. SK. Farook
Professor
Dept. of EEE
Sree Vidyanikethan Engg. College,
Tirupati

Dear Sir,

Sub: Resource Person-One week National level Workshop on *"MATLAB Applications in Power systems & Power Electronics"* – Reg.

*****

The Department of Electrical and Electronics Engineering, NBKRIST (Autonomous) is organizing one week National level workshop on ***"MATLAB Applications in Power systems & Power Electronics"***, during ***27th June-2nd July, 2016,*** for the faculty members/Research Scholars/P.G Students from AICTE approved engineering colleges. We are pleased to invite you as Resource Person for the sessions on 30-06-2016. We would be highly honored if you can spare your time from your busy schedule. We look forward to your presence and guidance. Your cooperation in this regard shall be highly appreciated.

Thanks and regards

S. Suresh Reddy

Convener
Dr. S. Suresh Reddy

2016-17

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CSSE

SREE VIDYANIKETHA
Engineering Colle
(Autonom

September 24, 2016

Dr. P. C. Krishnamachary, *M.E., Ph.D.*
Principal

CERTIFICATE

This is to certify that **Mr. Ashraf Ali Shaik,** Assistant Professor, Department of CSSE, SVEC has participated as a Resource Person in A Two Day Faculty Development Programme on **"Advanced Web Technologies"** organized by Department of Information Technology.

He has delivered a lecture on the topic **"Web Programming using PHP"** on 24-09-2016.

P.C.K.Chary

(Dr. P. C. Krishnamachary)

Sree Sainath Nagar, Tirupathi - 517 102, A.P., In
Phone: (+91) 877 2236711, Fax: (+91) 877 2236
Email: svecp@vidyanikethan.e

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NEW YORK, NY 10018
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CERTIFICATE FOR REVIEWING PAPERS

Reference: AJETM **Date:** December 22, 2016

This certifies that **SURESH BABU DARAM**, Department of EEE, Sree Vidyanikethan Engineering College, Tirupati, Andhra Pradesh, India has been appointed as one of the Reviewers in

"American Journal of Engineering and Technology Management(AJETM); http://www.sciencepublishinggroup.com/j/ajetm ".

SURESH BABU DARAM will be responsible for the reviews and quality of the research papers.

For and on behalf of
SCIENCE PUBLISHING GROUP INC

Toby McBurney

Authorized Signature(s)

EE 2016 - 12

250

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025

Dr. R. JAYAVEL
DIRECTOR

Telephone : +91-44-2235 7366/2235 0361
Fax : +91-44-2220 1213
Email : dirresearch@annauniv.edu
dirresearch@gmail.com

Proceedings. No. 7081042205/Ph.D./AR13

Date : 06.10.2016

Sub : Ph.D. Programme – Constitution of Oral Examination Board - Conduct of Viva-Voce in respect of **Ms.K.Premalatha** – orders issued – Regarding.

The Vice-Chancellor is pleased to constitute an Oral Examination Board consisting of the following experts to conduct the viva-voce Examination in respect of the research scholar, **Ms.K.Premalatha.**

1. **Dr.S.Vasantharathna** — Supervisor/Convener
   Professor
   Department of Electrical & Electronics Engineering
   Coimbatore Institute of Technology
   Coimbatore 641 014
2. **Dr.P.Umapathi Reddy** — Member
   Professor
   Department of Electrical and Electronics Engineering
   Sree Vidyanikethan Engineering College
   A Rangampet Chittoor 517102
3. **Dr.J.Gnanambal** — Member
   Associate Professor
   Department of Electrical and Electronics Engineering
   Government College of Engineering Salem
   Salem 636011

The Convener of the Oral examination Board is requested to conduct the Oral examination **within three months** on a convenient date **except Saturday, Sunday and public holidays.** The Oral Examination for the above scholar shall be conducted as an "Open Defence Type". The outside members are eligible for TA/DA as per Anna University norms.

The convener shall conduct the Oral Examination after a minimum of one week from the date of Viva-Voce notification signed by the HoD/Director of Centre. A minimum of ten members excluding the examiners should attend the Viva-Voce examination.

A copy of the Viva-Voce notification and the minutes of the Oral Examination Board shall be sent to the undersigned as per the format specified in the Anna University website soon after the Viva-Voce is over for taking appropriate action. **Download Viva-Voce proceedings from Supervisor Login.**

The receipt of the proceedings may please be acknowledged.

6/10/16

DIRECTOR

To
Dr.S. Vasantharathna
Professor
Department of Electrical & Electronics Engineering
Coimbatore Institute of Technology, Coimbatore 641 014

06/10/16 6/10/16

ANNA UNIVERSITY:: CHENNAI - 25
Department of Electrical and Electronics Engineering
Coimbatore Institute of Technology
Coimbatore-641014

Ph.D. Public Viva-Voce Examination

Name of the Scholar	:	PREMALATHA K.
Registration Number	:	7081042205
Category of registration	:	Part-time
Faculty	:	Electrical Engineering
Title of the Thesis	:	DESIGN AND DEVELOPMENT OF A CONTROLLER FOR SELF EXCITED INDUCTION GENERATOR BASED WIND ENERGY CONVERSION SYSTEM
Date and Time of Viva-voce Examination	:	17.11.2016 & 10.00 AM
Venue	:	Library A/C Hall, Coimbatore Institute of Technology, Coimbatore - 641014.
Name and address of the Supervisor	:	Dr. S. Vasantharathna, Professor and Head, Department of Electrical and Electronics Engineering, Coimbatore Institute of Technology, Coimbatore - 641 014.

All are cordially invited

Date : 27.10.2016
Place: CIT, Coimbatore

Supervisor

27/10/2016.

Dr.S.VASANTHARATHNA, M.E., Ph.D.,
Professor and Head,
Department of Electrical and
Electronics Engineering,
Coimbatore Institute of Technology,
Coimbatore - 641 014.

Principal

Dr. V. SELLADURAI, M.E., Ph.D
FIE., FIIE., Sr.M (ORSI) LM (SSI)
PRINCIPAL
COIMBATORE INSTITUTE OF TECHNOLOGY
COIMBATORE - 641 014 INDIA.

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7. The Director (Academic Courses), Anna University, Chennai.
8. The Professor, Planning and Development, Anna University, Chennai.
9. The Regional Director, Anna University: Coimbatore Region, Coimbatore.
10. The Dean, College of Engineering Campus, Anna University, Chennai.
11. The Dean, MIT Campus, Anna University, Chennai.
12. The Doctoral Committee Members of the Candidate.
13. The Principal, Coimbatore Institute of Technology, Coimbatore.
14. Principals of all Government, Government Aided and Affiliated Engineering Colleges in Anna University(with a request to display in the notice board)
15. All HoDs of Coimbatore Institute of Technology(with a request to display in the notice board)

Gmail sunil kumar <sunilmalchi1@gmail.com>

Thank you for the review of JOCS-D-16-00330

1 message

Journal of Computational Science <jocs@elsevier.com>
To: sunilmalchi1@gmail.com

Wed, Oct 12, 2016 at 11:16 AM

Ms. Ref. No.: JOCS-D-16-00330
Title: Design and Development of D-RMS for Radiation Detection Systems
Journal of Computational Science

Dear Dr Msunil Kumar,

Thank you for taking the time to review the above-referenced manuscript. You can access your comments and the decision letter when it becomes available.

To access your comments and the decision letter, please do the following:

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http://scopees.elsevier.com/ees_login.asp?journalacronym=JOCS&username=MKumar-465

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Yours sincerely,

Roshan Joy Martis, PhD
Managing Guest Editor
Journal of Computational Science

****

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29 9 1
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Gmail

krmadhavi raju <kreddymadhavi@gmail.com>

252

Regarding Review papers- CIBDA2017

5 messages

Karteeka Pavan <karteeka@yahoo.com>
Reply-To: Karteeka Pavan <karteeka@yahoo.com>
Wed, Nov 1, 2017 at 8:49 PM

Dear Sir/Madam

Thank you for accepting to review CIBDA- 2017 papers. Paper(s) are assigned in the easy chair. Please download the paper(s) assigned to you from easy chair. Kindly review the paper and provide the comments in proforma attached here. Send the review proforma by November 10th , 2017.

Dr.K.Karteeka Pavan Professor, Department of Computer Applications, RVR&JC College of Engineering, GUNTUR A.P. INDIA ph (O): 9491073317-18 ext-321

Review Proforma.docx
21K

Karteeka Pavan <karteeka@yahoo.com>
Reply-To: Karteeka Pavan <karteeka@yahoo.com>
Wed, Nov 1, 2017 at 8:51 PM

[Quoted text hidden]

Review Proforma.docx
21K

Dr. K.R.Madhavi Raju <kreddymadhavi@gmail.com>
To: Karteeka Pavan <karteeka@yahoo.com>
Fri, Nov 10, 2017 at 10:52 AM

Respected mam,

I am here with attaching the review form of papers 21 and 22

On Wed, Nov 1, 2017 at 8:51 PM, Karteeka Pavan <karteeka@yahoo.com> wrote:

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2016-17

--
with
Warm Regards

Dr. K.Reddy Madhavi M.Tech, Ph.D, LMCSI, LMIETE, LMISTE, MACM
Associate Professor
CSE Dept
Sree Vidyanikethan Engineering College
A.Rangampet
Tirupati

2 attachments

Review Proforma of paper 21.docx
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Review Proforma of paper 22.docx
22K

Karteeka Pavan <karteeka@yahoo.com> Fri, Nov 10, 2017 at 4:45 PM
Reply-To: Karteeka Pavan <karteeka@yahoo.com>
To: "Dr. K.R.Madhavi Raju" <kreddymadhavi@gmail.com>

Thankyou for your support. Kindly review another two papers numbered 41 and 42. plz download from easy chair and give results by 12th November.

Dr.K.Karteeka Pavan Professor, Department of Computer Applications, RVR&JC College of Engineering, GUNTUR A.P. INDIA ph (O): 9491073317-18 ext-321

From: Dr. K.R.Madhavi Raju <kreddymadhavi@gmail.com>
To: Karteeka Pavan <karteeka@yahoo.com>
Sent: Friday, November 10, 2017 10:52 AM
Subject: Re: Regarding Review papers- CIBDA2017
[Quoted text hidden]

Dr. K.R.Madhavi Raju <kreddymadhavi@gmail.com> Thu, Nov 16, 2017 at 4:21 PM
To: Karteeka Pavan <karteeka@yahoo.com>

sorry for delay mam, busy with academic works regarding semester end exams
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Review

IJACT SINCE 2009 International Journal of Advancements in Computing Technology

Editors-in-Chief, Editors

From 2013 till date

CSE 2016-17

Reviewer 2013-14

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To: <vramaprasad@rediffmail.com>

Subject: IJACT: Thank you for your review outcome

Date: Fri, 13 Sep 2013 17:37:14 IST

Go to Attachment(s) Download all attachments

Dear **Prof. Ramaprasad V Vddella,**

We have received your review report for the paper "Techniques to Detect Moving Objects in the Images of a Moving Camera".

On behalf of the IJACT's Editorial Board, we would like to express our sincere appreciation for spending your precious time to complete the review.

Sincerely,
Dr. Eng. Sattar B. Sadkhan
- Editor-in-Chief of IJACT
- Chair of IEEE IRAQ Section
- Professor, University of Babylon, IRAQ

Dr. Franz I. S. Ko
- Editor-in-Chief of IJACT
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To

Dr. L. Venkateswara Reddy,
Professor,
Department of Information Technology,
Sree Vidyanikethan Engineering College,
Tirupati, India.

Sub: Continuation as Editor-in-Chief of i-manager's Journal on Cloud Computing (JCC)

Dear Dr. L. Venkateswara Reddy,

Greetings!

Thank you for your support to i-manager's Journal on Cloud Computing for the past three years and we take pride in announcing your continuation for a further term as the Editor-in-Chief of i-manager's Journal on Cloud Computing (JCC). Your term of office will be from May 2020 to April 2022.

As the Editor-in-Chief of the Journal, you would be responsible for the overall publishing process of the Journal, working in tandem with the Corresponding Editor and the Editorial Board. The primary responsibility of an Editor-in-chief will be to review all the finalized papers of a particular issue and to suggest/edit changes required to improve further the quality of the Journal.

We welcome new possibilities and academic contacts that your association might bring, and together we can face all challenges that confront the Journal and strive to increase the quality and impact of the Journal's content.

We wish you Good luck in this association!

Best Regards,

Joe Winston
Publisher

16-17

BV 257

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517501 Tirupati
India

April 15, 2016

Notice of Acceptance and Schedule, 41st COSPAR Scientific Assembly, 30 July – 07 August 2016, Istanbul, Turkey

Dear *Dr Prasanth,*

On behalf of the Council of the Committee on Space Research, I am pleased to inform you that your contribution to the 41st COSPAR Scientific Assembly entitled: "**Climatology of Gravity Wave Characteristics and Middle Atmosphere Thermal Structure Characteristics over Reunion Islands, France**" has been accepted and scheduled for an oral presentation in scientific event **C0.2**, Lecture Room Beyazıt Hall on Thursday, August 04, 2016, 15:15-15:30 (15 min).

For the overall program and details of your scientific event, please consult the Assembly website at: https://www.cospar-assembly.org.

Inclusion of your paper in the conference program carries with it the obligation for you, or for one of your co-authors as the case may be, to display and/or to present the paper at the times and in the mode indicated. You are kindly requested to inform us if you and your co-authors find at any time before the Assembly that it is not possible to attend by logging into the website indicated above and selecting the "withdraw abstract" button next to the relevant paper(s) in the MyPapers area. You should also send a message to cospar@cospar-assembly.org and inform the C0.2 event organizer well in advance of the session.

In June the organizers will send authors instructions for oral presentations. These instructions will be posted in due time on the web at: https://www.cospar-assembly.org. Please be sure to read these instructions very carefully in order to facilitate preparation of your presentation and to help ensure that each event runs smoothly during the Assembly.

Presenters are encouraged to submit their completed manuscripts to one of COSPAR's journals. *Advances in Space Research* or *Life Sciences in Space Research*. There are no deadlines for submission as *ASR* and *LSSR* are regular journals. The web sites with instructions for authors and for submissions are http://ees.elsevier.com/asr and http://ees.elsevier.com/lssr. Information is also available on the COSPAR web site and at the Istanbul Assembly.

Your COSPAR Assembly presentation number is **C0.2-0017-16**. This is the final number for your presentation. Papers submitted to *ASR* or *LSSR* will be assigned a journal number that will be different from the COSPAR presentation number.

Please feel free to volunteer as chairperson for one of the sub-sessions of your event where you are not a speaker if the web indicates this position is not yet filled by the Main Scientific Organizer. If you wish to volunteer, kindly inform the event organizers and ZARM (cospar@cospar-assembly.org) by 13 June 2016.

COSPAR
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16-17
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Editorial Board

Editor-in-Chief (From Apr. 18, 2015 to Dec. 31, 2017)

Elchin Huseynov

Affiliation: Department of Nanotechnology and Radiation Material Science, National Nuclear Research Center
Address: Baku, Azerbaijan

Editorial Board Acknowledgme

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41-91 (28)

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259

SES 2016_13

260

Gmail suresh babu daram <sureshbabudaram@gmail.com>

Invitation to review manuscript JESTCH_2016_1322 for journalEngineering Science and Technology, an International Journal

1 message

Oguz FINDIK (Engineering Science and Technology, an International Journal) <EviseSupport@elsevier.com>
Reply-To: oguzf@hotmail.com
To: sureshbabudaram@gmail.com

Tue, Dec 13, 2016 at 1:50 AM

Ref: JESTCH_2016_1322
Title: The Ant Lion Optimizer for Solving Optimal Reactive Power Dispatch Problem in Power Systems
Journal: Engineering Science and Technology, an International Journal
Corresponding Author: Corresponding Author: Souhil MOUASSA
Co-authors: Co-authors: Tarek Bouktir, Ahmed Salhi

Dear Dr Babu,

I would like to invite you to review the above-referenced manuscript. To maintain our journal's high standards we need the best reviewers, and given your expertise in this area I would greatly appreciate your contribution.

I kindly ask you to give this review invitation the same consideration that you would want one of your own manuscripts to receive.

Please find the abstract of the manuscript at the end of this email.

If you have any concerns about potential conflicts of interest, please consult the Editor.

If you are willing to review this manuscript, please click on the link below:
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If you accept this invitation, I would appreciate your submitting your review within 21 days.

Please submit your review via EVISE® at: http://www.evise.com/evise/faces/pages/navigation/NavController.jspx?JRNL_ACR=JESTCH.

If you cannot review this manuscript, please click on the link below. I would also appreciate your suggestions for alternate reviewers.
Decline

I look forward to receiving your response.

Kind regards,

Oguz FINDIK
Receiving Editor
Engineering Science and Technology, an International Journal

Abstract:

In this article, a recently developed algorithm inspired by the hunting mechanism of antlions in nature, called ant lion optimizer (ALO) algorithm is proposed to solve optimal reactive power dispatch (ORPD) problem considering a large-scale power system. The ORPD is formulated as a complex combinatorial optimization problem with nonlinear characteristic. The ALO algorithm is inspired from the hunting mechanism of antlions. One of the most interesting things in antlions is that they have a unique hunting behaviour and exhibit high capability of escaping the local optima stagnation. The ALO is used to find the set of optimal control variables of ORPD problem, such as voltage magnitudes on

International Journal of Renewable Energy Research-IJRER

Active Submissions

ID	MM-DD ASSIGNED	SEC	TITLE	DUE	REVIEW ROUND
6366	04-30	ART	BI-DIRECTIONAL POWER CONTROL MECHANISM FOR A MICROGRID...	05-21	1
6488	05-10	ART	THE IMPACT OF TRANSFORMER WINDING CONNECTIONS OF A...	06-07	1

1 - 2 of 2 Items

Online ISSN: 1309-0127

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ijrereditor@gmail.com; ilhcol@gmail.com;

IJRER is cited in SCOPUS, EBSCO, WEB of SCIENCE (Thomson Reuters)

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Ph.D. Admission July-2020 Session Candidates Admission Schedule NEW

Payment of Semester Fees January 2021 Session NEW

36th Research Board Recommendations NEW

Ph.D. Admission July 2020 Application Form Status NEW

Faculty of Information and Communication Engineering

The details of recognized supervisors mentioned below are provided based on his/her application for supervisor recognition. **The recognized supervisor working in the recognized department** Refer sec(i) to(iv) in the list of recognized research department available in the website Clickhere **shall only act as Supervisor.** Supervisors working in the recognized R&D Center/non-recognized research Departments of Engineering College/Architecture Schools affiliated to this University shall function only as **Joint Supervisor.**

Some of the supervisors listed below may be migrated to other University or retired on superannuation. Hence the candidates are instructed to ensure the present details of the supervisor(s).

Sl.No	Ref. No	Supervisor Name	Department	College/Organisation	Research Area	Email
1	3540010	Rejina Parvin J	Department of Electronics & Communication Engine	KGISL Institute of Technology,Coimbatore,Coimbatore	Wireless Sensor Networks, Wireless Networks, MANET	parvinece@gmail.com
2	8440001	Abdual Rajak A R	Dept. of Computer Science and Engg.	C. Abdul Hakeem College of Engg. and Technology, Vellore	Electronics and Communication Engg.	prasphd_@gmail.com
3	2440002	Abdul Shabeer H	Dept. of Electronics and Communication Engg.	Pavai College of Technology, Namakkal	Electronics and Communication, Computer Science, Wireless Communication, VLSI	abdulshabeer@gmail.com
4	9940003	Abhaikumar V	Dept. of Electronics and Communication Engg.	Thiagarajar College of Engg., Madurai	Electromagnetics and Microwave Circuits	principal@tce.edu
5	3340067	Abirami A M	Information Technology	Thiagarajar College of Engineering Madurai-625015	Data Analytics, Software Engineering, Semantic Web, Education Technology	abiramiam@tce.edu
6	1640004	Abirami S	Dept. of Information Science and Technology	College of Engg., Anna University, Chennai	Image Processing, Multimedia Communications, Natural Language Processing	abirami_mr@yahoo.com
7	2740060	Abirami T	Department of Information Technology	Kongu Engineering College, Perundurai, Erode - 638052	Wireless Sensor Networks, Data Mining, Soft Computing, Computer Networks	abiananthmca@gmail.com
8	3440016	Ablin R	Electrical and Electronics Engineering	Arunachala College Of Engg. For Women Nagercoil-629203	Image Processing, Remote Sensing, Pattern Recognition, Soft Computing	ablinpon@gmail.com
9	1840005	Adalarasu K	Dept. of Electronics and Communication Engg.	PSNA College of Engg. and Technology, Dindigul	Biomedical Engg.	adalbiotech@gmail.com
10	2940119	Ahila Priyadharshini R	Department of Electronics and Communication Engineering	Mepco Schlenk Engineering College, Sivakasi-626005	Image Processing, Pattern Recognition, Digital Communication	ahilaprem@gmail.com
11	3140043	Ahilan A	Department of Computer Science & Engineering	INFANT JESUS COLLEGE OF ENGINEERING,TUTICORIN,Tuticorin	VLSI, Image Processing, Wireless Communication, Robotics	listentoahil@gmail.com
12	3240003	Ajayan J	Department of Electronics and Communication Engineering	SNS College of Technology, Coimbatore-641035	VLSI Design, Microelectronics, Nanotechnology, Solid State Semiconductor Devices	email2ajayan@gmail.com

2016-2017
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Gmail

Jyothsna Prasad <jyothsna1684@gmail.com>

Manuscript IJFS-D-16-00200 for review

International Journal of Fuzzy Systems (IJFS) - <em@editorialmanager.com> Sun, Mar 27, 2016 at 2:08 PM
Reply-To: "International Journal of Fuzzy Systems (IJFS) -" <kishan.ravishankar@springer.com>
To: JYOTHSNA V <jyothsna1684@gmail.com>

Dear Mrs V,

In view of your expertise I would be very grateful if you could review the following manuscript which has been submitted to International Journal of Fuzzy Systems.

Manuscript Number: IJFS-D-16-00200

Title: Design of fuzzy sliding mode control approach for rehabilitation in Parkinson's disease : A simulation study

Abstract: Deep Brain Stimulation (DBS) is an efficient therapy to control movement disorder of Parkinson's tremor. The prevalent opinion is stimulation of one area of basal ganglia (BG) by DBS with no feedback. Reduction of additional stimulatory signal delivered to the brain is the advantage of existing feedback. These results in reduction of side effects caused from the excessive stimulation intensity. In fact, the stimulatory intensity of controllers is decreased proportional to reduction of hand's tremor. The significant objective of this work is designing a new architecture of controllers to decrease three indicators: 1) the hand's tremor, 2) the level of delivered stimulation signal in disease condition and, 3) the ratio of the level of delivered stimulation signal in health condition to disease condition. For this purpose, we offer a new architecture of a closed-loop control system to stimulate two areas of BG simultaneously. One area (STN: Subthalamic Nucleus) is
stimulated with a fuzzy sliding mode controller (pole placement method) and the other area (GPi: Globus Pallidus internal) is stimulated with a partial state feedback (PSF) controller. Considering these three indicators, the results show that, comparing stimulating one area with stimulating two areas leads to a better performance all together. It is shown that the PSF and fuzzy sliding mode controllers are both robust about system parameters uncertainties. In addition, we update the parameters of BG model in real time; it is a profitable method to update the time variable parameters of the BG model.

In case you accept to review this submission please click on this link:

http://ijfs.edmgr.com/l.asp?i=21062&l=611XRV58

If you do not have time to do this, or do not feel qualified, please click on this link:

http://ijfs.edmgr.com/l.asp?i=21063&l=Y6JKKA3U

We hope you are willing to review the manuscript. If so, would you be so kind as to return your review to us within 35 days of agreeing to review? Thank you.

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In order to keep delays to a minimum, please accept or decline this invitation online as soon as possible.

If you have any questions, please do not hesitate to contact us. We appreciate your assistance.

With kind regards,
Chih-Min Lin
Associate Editor
International Journal of Fuzzy Systems

19-20
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Meera Parthasarathy <meerasarathy07@gmail.com>

Invitation to review for Physical Chemistry Chemical Physics - CP-ART-09-2019-005234

Physical Chemistry Chemical Physics <onbehalfof@manuscriptcentral.com> Thu, Oct 10, 2019 at 10:43 PM
Reply-To: pccp@rsc.org
To: meerasarathy07@gmail.com

10-Oct-2019

Dear Dr Parthasarathy:

TITLE: Understanding of Interface Interaction between Carbon Nanotube and Cytochrome c at Molecular Level
AUTHORS: Zhang, Chi; Li, Xiaoyi; Wang, Zichen; Huang, Xuqi; Ge, Zhenpeng; Hu, Benfeng
(See below for abstract)

I invite you to review this manuscript, which has been submitted for publication in Physical Chemistry Chemical Physics (PCCP), published by the Royal Society of Chemistry.

Papers published in PCCP must present insightful, novel, very high-quality science.

At PCCP we aim to provide a rapid service for our authors. Therefore, please respond to this invitation by clicking on the appropriate link below within 3 days of receiving this email, and provide your report within 10 days of agreeing (7 days for communications and 14 days for reviews). If you need longer to provide your report please let me know. If you are unable to review at this time, I would be grateful if you could recommend another expert reviewer.

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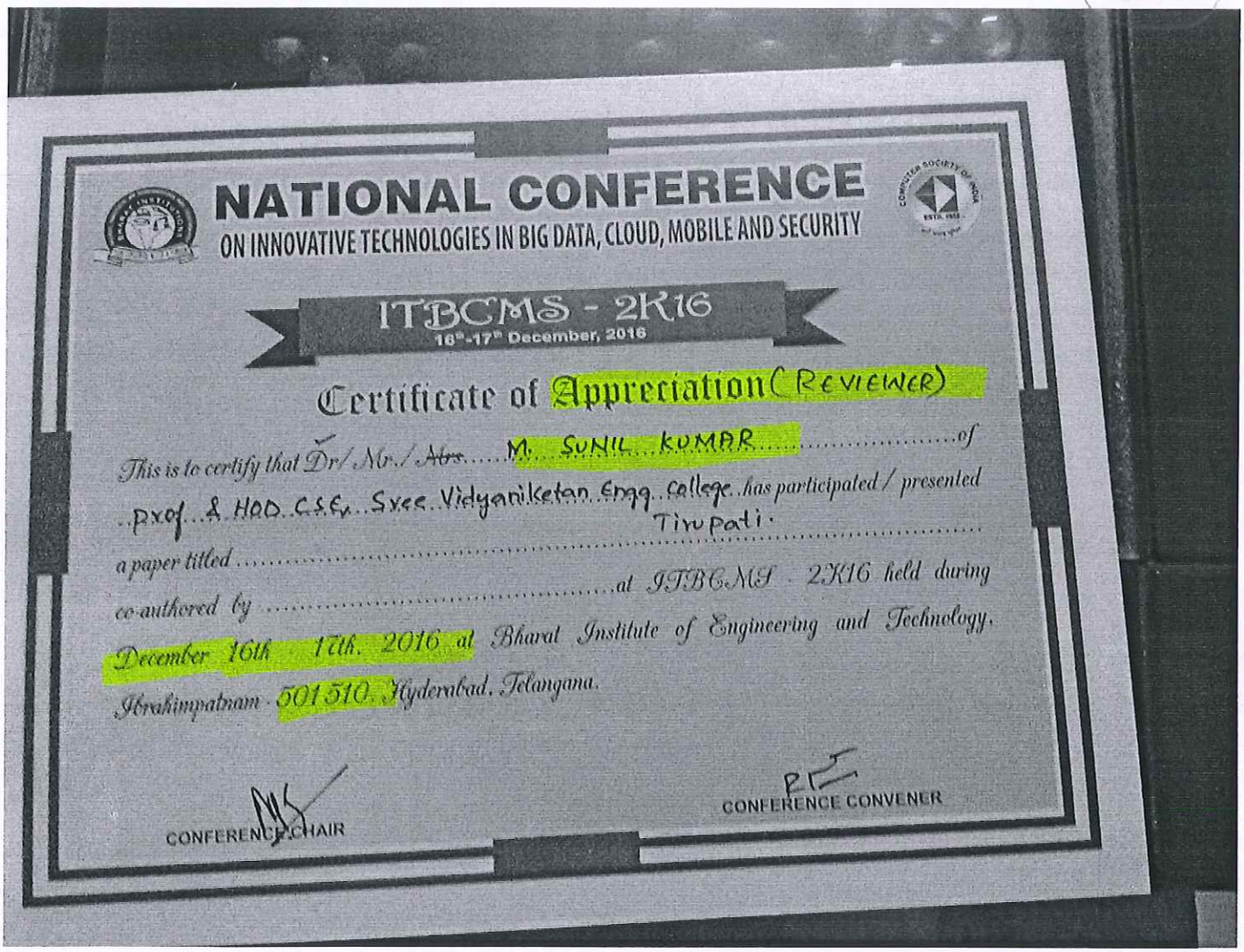

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ITBCMS - 2K16

16th-17th December, 2016

Certificate of Appreciation (REVIEWER)

This is to certify that Dr/ Mr./ ~~Mrs~~ M. SUNIL KUMAR of Prof. & HOD. CSE, Sree Vidyanikethan Engg. college, Tirupati. has participated / presented a paper titled ..... co-authored by ..... at ITBCMS - 2K16 held during December 16th - 17th, 2016 at Bharat Institute of Engineering and Technology, Ibrahimpatnam - 501510, Hyderabad, Telangana.

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Applications and Applied Mathematics:
An International Journal (AAM)
ISSN: 1932-9466
http://www.pvamu.edu/aam

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Manuscript's Number: AAM-R

Manuscript's Title:

Hydromagnetic peristaltic transportation with porous medium through coaxial asymmetric vertical tapered channel and joule heating

Authors' Names: S.Ravi Kumar
Authors' Affiliations:
Department of Mathematics :NBKR Institute of Science and Technology, Vidyanagar, SPSR Nellore, Andhra Pradesh, India.Pin-524413.

2010 Mathematics Subject Classification (MSC): Primary AAM Secondary R878

Reviewer's Name: Dr.B.Reddappa

Reviewer's Affiliation: Sree Vidyanikethan Engineering college,Tirupati,Chittoor(dt), Andhra Pradesh, India.Pin-517102

Reviewer's E-mail: drbreddappa@gmail.com

Date the Review was Assignment: 1-03-2016

Date the Review Report Submitted: 10-03-2016

2016-17 CE

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SRI VENKATESWARA UNIVERSITY:TIRUPATI
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Phone: 0877 - 2249666 Ext.308(O)
0877 – 2249377
Fax : 0877 – 2249377
TIRUPATI – 517 502

Date :29-02-2016

From:
Prof. I. V. Ramana Reddy
Head
Department of Civil Engineering
S.V.U. College of Engineering
TIRUPATI

To
Dr. O. Eswara Reddy
Professor
Department of Civil Engineering,
Sree Vidyanikethan Engineering College
Tirupati.

Dear Sir,

Sub: SVU College of Engineering, Tirupati- National Level Technical Symposium *CrEADORS-2K16* - Paper Presentation – Reg.

The Department of Civil Engineering SVU College of Engineering is organizing a National Level Technical Symposium CrEADORS-2k16 on 2nd and 3rd March 2016. In this connection, I request you to act as a judge for the event of Paper Presentation scheduled on 2nd March 2016 at 2:00 pm.

Your presence is a great honour and privilege for us.

Thanking You

Yours faithfully,

(Prof. I. V. Ramana Reddy)

Contact:
Dr. D.V. PRASADA RAO
Associate Professor
Co-ordinator
National Level Technical Symposium
CrEADORS-2K16
Department of Civil Engineering
S.V.U. College of Engineering
TIRUPATI
Mobile: 97043 87674

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Gmail

Sasikumar Gurumurthy <mithrangurugsk@gmail.com>

Invitation to be keynote speaker at our conference ICASET-016,tirupati

icaset Conference <info@icaset.in>
To: mithrangurugsk@gmail.com

Sun, Oct 16, 2016 at 12:05 PM

Dear sir,

We cordially invite you to join us as our Keynote Speaker for the 2nd International Conference on applied Science Engineering and Technology(ICASET-016)to be held at your esteemed organization at tirupati ,A.P on 18th - 19th of October 2016.your gracious presence at the conference will be highly solicited and will make the conference successful.

Kindly send your biodata and profile photo.

Regards

md.minhaz

program manager

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through your reviews of the submitted papers, without which such resourceful publication of the Conference Proceedings would not have been possible.

Dr. Y. Padma Shayi
Programme Chair,
IACC 2017

Deepak Garg

Dr. Deepak Garg
Chair,
IEEE Computer Society India Council