



SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, A. Rangampet – 517102

Innovation Cell/Institute Innovation Council (IIC)

Under MHRD's Innovation Cell (MIC), Govt. of India

List of Activities

Sl. No	Name of the Event	Organized by	Speaker/Resource Person/Judge	Date	Remarks	Number of Beneficiaries
2019-20						
1.	Gamification with AR & VR Unity 3D Engine using C#	APSSDC, SVEC	Dr. P Bhanu Prasad , Researcher and Advisor, SVEC Dr. N Padmaja IIC Coordinator B. Satish Kumar IIC Student coordinator	8 June 2020	Introduction to AR/VR technology and applications. Demonstration of AR/VR projects and Virtual Labs of SVEC	Faculty:21 Students:523
2.	One Week Faculty Development Program on Research & Innovation	SVEC	Domain experts from IITs and well reputed Institution	09-13 March 2020	Gain Knowledge on Research Problem formulation, Data Collection and Analysis Methods. Understand the process of Technical Paper and Research Proposal Writing. Get Awareness on Research funding opportunities. Gain awareness on IPRs and Patent filing, Publication and Examination	Faculty:66
3.	SMART India Hackathon 2020	MHRD Innovation cell & SVEC	SIH Internal Scrutiny team	22 Jan 2020	Organized Internal Hackathon for SIH 2020	Faculty:06 Students:81
4.	A One Week Faculty Development Program on "Design Thinking"	SVEC, Sponsored by JNTUA, under The Directorate of Faculty Development & IQAC	Dr. Balachandar Ramadurai, Professor NPTEL, Co-Founder TRIZ Innovation India, Adjunct Professor at Symbiosis Institute of Business Management, Pune Dr. Shankar Venugopal, Vice President Mahindra & Mahindra, Head of Technology	20-25 Jan 2020	To enhance knowledge and capabilities among the participants in design thinking and make use of design thinking process as a tool to create innovative products.	Faculty:42

			<p>Innovation Dr. Srinivasan Narayanan, Assistant Professor Department of Manufacturing Engg, School of Mechanical Engg, VIT University, Vellore Dr. S. RenoldElsen, Associate Professor, Department of Design and Automation, School of Mechanical Engg, VIT University, Vellore, Mr.Vineesh U Sathianathan, Program Manager and Delivery Manager, Wipro Limited, Mysore Dr.Noor Mohammad SK ,Assistant Professor Indian Institute of Information Tech, Design and Manufacturing (IIITDM) Kancheepuram, Chennai Dr.P.Chenna Reddy, Professor of CSE, JNTUA</p>			
5.	Innovation Cell meetings and Progress of AR/VR Projects	IIC, SVEC	<p>Dr. P Bhanu Prasad , Researcher and Advisor, SVEC Dr. N Padmaja IIC Coordinator</p>	<p>23-01-2020 28-01-2020 04-02-2020 26-02-2020 05-03-2020 11-03-2020 17-03-2020</p>	<p>Discussion on progress of AR/VR innovative projects and interaction, clarification of doubts etc. Purchase of Oculus VR Kit, Common Web space for uploading the project related information for collective access. Acquired knowledge on VR based tools and kits necessary for building various models.</p>	<p>Faculty:23 Students: 56</p>
6.	Skill Development Program on Augmented Reality/ Virtual Reality	MECH, SVEC	<p>APSSDC Experts Amaravathi AP</p>	<p>06-10 Jan 2020</p>	<p>Impart training skills in Augmented Reality/ Virtual Reality.</p>	<p>Faculty:25 Students: 224</p>
7.	Entrepreneur Development Awareness Camp- Invited Talks	EDC, SVEC	<p>Mr. T. Akhil Customer Quality Engineer Brose, France</p>	<p>02-05 Jan 2020</p>	<p>Entrepreneur Development Awareness Camp- Invited Talk on enabling future mobility, transformation of automotive industry, explore technological contributions, innovative ideas that make vehicles comfortable, safer and efficient.</p>	<p>Faculty:25 Students: 73</p>
		EDC, SVEC	<p>Ms. Alison C Learning & Digital Project</p>		<p>Entrepreneur Development Awareness Camp- Invited Talk on Innovative way</p>	

			Manager, CHANEL, France		of learning and development of a mobile learning App for CHANEL: French luxury brand, France	
8.	Invited Talk on "Inspiring Technology"	ECE, SVEC	Dr. P. Bhanu Prasad, Researcher and Advisor, Director (R&D), Kelenn Technology France	12 Dec 2019	Invited Talk "Inspiring Technology" for ICMNSM 2019, International Conference organized by Dept. of Dept., Sree Vidyanikethan Engineering College, Tirupati	Faculty:32 Students: 120
9.	Visit by Experts from France for Innovations (Interaction and exchange of Ideas).	MECH, SVEC	Mr.Tournier Claude & Mr.Olivier Lepine Mechanical, Electrical and Electronics expertS Thales, France	12 Dec 2019	Mechanical, Electrical & Electronics Experts, Mr. Tournier Claude, & Mr. Olivier Lepine from France visited Sree Vidyanikethan Engineering College to assist developing virtual reality in repairing, maintaining, designing, assembling and disassembling automotive parts by using the components available in the lab.	Faculty:11 Students: 22
10.	Hands-on Training on "Product Design using Virtual Reality and Augmented Reality"	ECE, SVEC	Dr. P. Bhanu Prasad, Researcher and Advisor, Director (R&D), Kelenn Technology France	28 Nov 2019	Product design using Unity software and develop virtual reality in repairing, maintaining, designing, assembling and disassembling on automotive parts	Faculty:46
11.	Distinguished Lecture on "Innovation in Academic Institutions – a need for Multi Disciplinary Research Approach	SVEC	Prof. V. Ramgopal Rao, Director, IIT, Delhi	15 Nov 2019	Prof. V. Ramgopal Rao enlightened a need for multidisciplinary research approach; worldwide India rank in research; how to convert idea/technology into wealth; Nano Material characteristics and properties for new applications; Idea Factory; by inculcating research atmosphere in the Institution assigned within the time limit.	Faculty:250
12.	Seminar cum Workshop On " Waste to Wealth"	SVEC & SVCP	Mr S Prashanth, Innovator and Entrepreneur, SP Grace Natural, Erode, Tamil Nadu Prof. C. Shoba Bindu, Director, SDIC, JNTUA Mr. M. Satish Kumar, CEO, Atal Incubation Centre, Sri Krishnadevaraya University, Anantapur	14 Nov 2019	The faculty and students were made aware of the consequence of dumping waste agricultural crops and stubble burning in India and also how efficient handling of waste is an important factor in the developmental progress of any nation. The students were given live demonstration of making of useful products from Banana waste by Mr S Prashanth, Innovator and Entrepreneur, SP Grace Natural, Erode, Tamil Nadu. He exhibited around 20 products that were made from banana	Faculty:31 Students: 187

					stem.	
13.	Innovation Day Celebrations	SVEI	Ms Geetha Sree General Manager, Capacity Building and Campus Interface, AP Innovative Society	5 Oct 2019	Innovation Day was celebrated in memory of Dr. A. P. J. Abdul Kalam's Birth Anniversary. The main motto is to explore advanced ideas in Social Innovation and Entrepreneurship Awareness and to promote students as Entrepreneur, provide a platform for exhibiting their innovative models.	Faculty:82 Students:721
14.	AP statelevel ISTE StudentConvention on Current and Emerging Technologies	SVEC & ISTE	Dr. K. N. Ganesh Director, Indian Institute of Science Education & Research (IISER), Tirupati, Prof. K. Lal Kishore Chairman, AP State ISTE; Former VC, JNTUA, Dr. B. Eswara Reddy, Secretary-cum-Treasurer, AP State ISTE; Director, SDC, JNTUA, Prof. L. Venugopal Reddy, Advisor cum Director SVET.	12 Oct 2019	The ISTE student AP State Level Convention is conceptualized to provide high standards in technical education platform for demonstrating innovation, invention of inquisitive learners and there by empowering the sustainable growth of nation at large. ISTE Student' Chapter in SVEC has been successfully conducting various events and the main objective of this is to give exposure to students regarding team work, make them aware of the needs of global industry and prepare them to face the challenges ahead.	Faculty:36 Students: 101
15.	Teacher Development Program on "Teaching for Product Innovation".	SVEC	Prof. Daniel McQuade Columbia Business School, President of McQuade Marketing	16-17 Sept 2019	Prof. Daniel McQuade discussed about Start up culture in India, China and U.S.A, issues related to global impact and local focus and how startup skills and technology absorption will affect the Global Entrepreneurship Index. The participants of the program gained knowledge on design thinking, idea conceptualization, Lean product development, and Product team management. The sessions are concluded with a statement "It's not the strongest species that survive, nor the most intelligent, but the ones most responsive to change".	Faculty:21 Students: 02
16.	India Google Developer Student (DSC) Summit 2019- Live	GOOGLE (LIVE WEBINAR)	Erica Hanson, Developer Relations Program Manager Google Mr. Saurabh	24-25 Aug 2019	Erica Hanson, Developer Relations Program Manager at Google (Global Lead for Developer Student Clubs Program) explained about the Introduction and Updates about the	Faculty:04 Students: 39

			Web Development Department Google Ms. Nikita Gandhi Data Science Department Google		DSC over world. Exploring Machine Learning by Nikita Gandhi and Mr. Saurabh about Web Development Department. <i>Mr. Y. Vamsi Krishna, IV B.Tech Student, Dept.of IT, has been selected as Head, Google Developer Student (DSC) Club, SVEC and has been sponsored by Google, DSC Program for attending DSC India Community Summit 2019 at GOA during 23- 25 Aug 2019.</i>	
17.	India First Leadership Talk Series	SVEC & MHRD	Hon'ble HRD Minister Shri Ramesh Pokhriyal 'Nishank'	22 Aug 2019	To provide a vision, motivation and to achieve anything and everything for students in the future and make our nation proud, to understand the importance of leadership skills and to imbibe the knowledge how the education system will be used to become more and more entrepreneurs	Faculty:185 Students: 819
18.	Innovation on Wheels: A road show by Festo Mobile Expotainer (Volvo)	SVEC MECH ENGG DEPT & APSSDC	Engineers from FestoMobile Expotainer (Volvo)	21 Aug 2019	To create awareness on the latest innovations among students and faculties and as a part of bringing students closer to industry the Department of Mechanical Engineering of Sree Vidyanikethan Engineering College and Andhra Pradesh State Skill Development Corporation (APSSDC) facilitated a road show in collaboration with FestoMobile Expotainer (Volvo) to explore the innovations & Technologies in field of automation	Faculty:25 Students: 400
19.	InnovateToINSPIRE 2019: The Big Idea Energy Innovation Challenge	MHRD & EES (Energy Efficiency Services Ltd. Ministry of Power, India	Students Participated	15-30 Aug 2019	The challenge is for academia (students and (or) faculties) to submit sustainable and scalable solutions (PoC/Prototype) in the thematic area of Grid Management, Energy Efficiency, Clean Energy, E-Mobility and Financial Instruments	Faculty:02 Students: 05
20.	Innovations and Implementation (concrete and foundations)- Two effective tools for success	CIVIL, SVEC	Dr.N.V.Nayak Principal Advisor, Gammon Engineers & Contractors Pvt Ltd, Mumbai	08 Aug 2018	Dissemination of knowledge on how innovation and implementation in concrete technology and foundation engineering are the key tools for success in the field of construction.	Faculty:26 Students:430

21.	Grand Challenge Scholars Programme	SVEC	Review Meeting	01 Aug 2019	Review Meeting on Grand Challenge Scholars Programme for discussing the progress.	Faculty:08 Students: 42
2018-19						
1.	Idea Competition & Design Competition for Proof of Concept Development	IIC, SVEC	Mr. Y. Mallikarjuna Reddy, CEO, SSIIEE-TBI, SPMVV, Mr. P.Mahesh, Scientific Assistant, SSIIE-TBI, SPMVV& Dr. Lazar Mathew Research Advisor, SVET	26-27 April 2019	68 Models and 152 ideas were submitted	
2.	Episode 04 of India First Leadership Talk (Online Webinar)	SVEC & MHRD	Prof. Anil D. Sahasrabudhe, Chairman, AICTE	22 April 2019	This talk series helped the faculty as well as students to know the initiations that are been taken for improving the quality of technical education in India. Prof. Anil D. Sahasrabudhe clarified to several questions posed by students and faculty of various institutes that helped us to get clear idea of the norms and procedures that have be implemented. He also explained the importance of training the faculty in the emerging areas	
3.	Workshop on Cognitive Skills, Design Thinking and Critical Thinking	SVEC (IIC & IT)	Dr. Bhanu Pratap Pinnamaneni, Director (R&D), Kelenn Technology France, & Smt. Komala Raveendra, Entrepreneur, Tirupati	20 April 2019	Discussed the advancements of Data Science and showcased and demonstrated live applications to the participants. He briefed the students about development of specifications, planning and building the projects. He also explained how to understand a problem and try to build feasible solutions. He explained the importance of critical thinking in today's world	
4.	"Design Thinking & Organizational Behavior"	IT, SVEC	Mr. Preetham HR Manager Phoenix analytics Ltd, Tirupati	8 April 2019		
5.	India's First Leadership Talk Series-3 rd Episode (Online Webinar)	SVEC & MHRD	Shri. Ajit Doval, National Security Advisor, Govt of India,	19 March 2019	Shri. Ajit Doval shared his experience in the live interaction program. The program was well received by the students and faculty. The talk benefitted the students	

					and focussed on the importance of decision making and the consequences that are involved. Also, the students were inspired by the talk and the necessity of positive attitude in real life.
6.	India's First Leadership Talk Series- 2 nd Episode (Online Webinar)	SVEC & MHRD	Dr. Anand Deshpande, Founder Chairman & Managing director- Persistent System Ltd.	24 Jan 2019	The webinar helped the faculty and students to understand the necessity and significance of buiding new small scale industries initially by the young students and faculty. The participants were made aware of how to choose career and take right decisions at right time and the various aspects to be considered for successful entrepreneurship. The importance of demand and supply chain and usage of latest technology for long term success were understood by the participants. The students were enlightened with the qualities necessary for a successful startup such as enthusiam, interest to learn in ongoing business, discipline etc. The questions posed by the presenters were very useful fot the participants.
7.	i2E Smart Idea Pinch and Win Contest	APSSDC	Idea Contest	Feb 2019	218 student ideas got qualified of 731 idea submissions.
8.	SMART INDIA HACKHATHON 2019	MHRD	Organized by MHRD	Jan 2019	70 teams submitted 76 ideas for SIH 2019.
9.	Online Webinar on "IPR for Students and Faculty Members"	SVEC & MHRD	Ms. Shwetaree Majumder, Principal, Fidus Law Chamber	10 Jan 2019	The webinar helped the faculty and students to understand the necessity and significance of Intellectual Property Rights, Patent Rights, trademarks, industrial designs, copyrights, procedure for applying patents etc. The session helped the students to know about of copy rights and their importance, types of copyrights, Originality of Literary works, Importance of IP, protection of IP, Judicial decisions etc.
10.	Workshop on "IPR for Students and Faculty Members"	ECE, IIC SVEC	Mr. Sameer Panda, CEO & founder of TJ tyres and	10 Jan 2019	The workshop helped the faculty and students to understand the importance of Intellectual Property and Rights. The faculty and students were exposed to various aspects of Intellectual Property

			IP expert		Rights, its role in the present era. The participants were briefed about Patents, Patent Rights, trademarks , industrial designs, copyrights, procedure for applying to patents and the time bound it takes	
11.	India's First Leadership Talk Series- 1 st Episode (Online Webinar)	SVEC & MHRD	Shri. Anand Mahindra , Chairman, Mahindra Group	8 Jan 2019	Shri. Anand Mahindra explained several concepts regarding setting of career goals, handling failures in life, collaborative competition, leadership qualities, innovation at business etc.	
12.	Two day national Level Research expo and Workshop on "Data Science"	IT, SVEC	Dr. P. Bhanu Prasad , Researcher and Advisor, Director (R&D), Kelenn Technology France Smt.Komala Ravindra Entrepreneur Mr.T.Pranab Kumar Architect, Oracle Corp Mr.N.Jaswanth IIT, Sri city, Mr.N.Vikram S.V.University	21-22 Jan 2019	To create a platform for students for presenting their innovative ideas and prototype models	
13.	Interaction with Prof.K.N.Satyanarayana, Director, IIT, Tirupati	SVEC	Prof.K.N.Satyanarayana , Director, IIT, Tirupati	20 Dec 2018	An interaction for strengthening research and innovation culture in the campus	
2017-18						
1.	IOT Project Expo	CSSE, SVEC	Project Exhibition	7 April 2018	To create a platform for students for presenting their innovative ideas, project models and prototypes.	
2.	Project Exhibition	ECE, SVEC	Project Exhibition	4 April 2018		
3.	JNTU Anantapur TECH Festival	SVEC	TECH Festival (District Level)	27 Jan 2018		
4.	Project Exhibition	MECH, SVEC	Project Exhibition	24 Sept. 2017		

*List of activities organized by Entrepreneurship Development Cell during
Academic Year 2019-2020*

S.No.	Date	Name of the Event	Resource Person(s)	No. of Participants
1.	06.07.2019	Awareness and Interactive session on "Start-ups & Entrepreneurship"	Prof. Daniel McQuade, Columbia Business school, President of McQuade Marketing	224
2.	13.08.2019	Induction Programme on "Entrepreneurship and Career"	Mr.B.Vishnu Vardhana Naidu, Coordinator, ED Cell Sree Vidyanikethan Engineering College	112
3.	04.09.2019 to 06.09.2019	A Three Day "Business Week With JCI Tirupati" Workshop	Mr. N.B. Harsha Vardhan Reddy, Zonal Vice-President, AP JCI Mr. Revanth (Alumni of IT, SVEC), Co Founder & CEO of Beats Fitness Studio, Tirupati Mr. P.Somaiah, Income Tax Auditor, Tirupati Mr. Chandramouli, Corporate Trainer, Tirupati Mr. S. Chandra Sekhar, Divisional Learning & Development Trainer, Tirupati Mr. S.Ravi Kumar, Financial Advisor, IDBI Mutual Funds, Madurai	75
4.	02.01.2020 to 04.01.2020	"Entrepreneurship Awareness Camp-I" Sponsored by EDII Ahmedabad under DST-NIMAT Project 2019-20	Dr. Pinnamaneni Bhanu Prasad, Advisor, MD, INGENIERIE, France Mr.Akhil T, Customer Quality Engineer, BROSE, France Ms. Alison C, Learning & Digital Project Manager, CHANEL, France Mr.B.Vishnu Vardhana Naidu, Coordinator, ED Cell Dr. A.K. Damodaram Coordinator-Venture Development Centre & Professor of ME Dr. C.Padmaja, President, MHRD IIC & Professor of ME Dr. G.Gurunatha Naidu, Principal, SVDC Dr. B. Ujwala Assistant professor, SVIM Dr. J Murthy Associate Professor, SVIM Dr. D. Sudharshana Murthy, Associate Professor, SVIM	75

5.	17.02.2020 to 28.03.2020	Six Week Entrepreneurship and Skill Development Programme on "Solar/Non-Conventional Energy Equipment Installation/Maintenance" sponsored by National Institute for Micro, Small and Medium Enterprises (NI-MSME), Hyderabad.	Mr. B.Vishnu Vardhana Naidu, Coordinator of ED Cell & MHRD IIC Ambassador, Sree Vidyanikethan Engineering College	30
			Dr. S. Hemachandra, Professor of EEE & Dean IIIC Sree Vidyanikethan Engineering College	
			Dr. K. K. Baseer, Assoc. Professor of IT & MHRD, IIC Ambassador, Sree Vidyanikethan Engineering College	
			Dr. J. Avanija, Assoc. Professor of CSE & MHRD, IIC Ambassador, Sree Vidyanikethan Engineering College	
			Dr. K. Jyotheeswara Reddy, Associate Professor of EEE& MHRD, IIC Ambassador, Sree Vidyanikethan Engineering College	
			Dr. G. Gurunatham Naidu, Principal, Sree Vidyanikethan Degree College	
			Dr. J Murthy Assoc. Professor, Sree Vidyanikethan Institute of Management	
			Dr. S. Susendrian Assoc. Professor, Sree Vidyanikethan Institute of Management	
			Dr. J.S.Binoj, Assoc. Professor, ME, Sree Vidyanikethan Engineering College	
			Dr. N.Manikandan Assoc. Professor, ME, Sree Vidyanikethan Engineering College	
			Mr. Srikanth Asst. Professor, Sree Vidyanikethan Institute of Management	
			Dr. M.Ravichand Assoc. Professor Sree Vidyanikethan Engineering College	
			Mr. K.Leledhar Rao, Assistant Professor of EEE, Sree Vidyanikethan Engineering College	

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PRINCIPAL
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Sree Sainath Nagar, A. RANGAMPET
Chittoor (Dist.) - 517 102, A.P.

No. SVEC/EDC/Circular/2019

Date: 01-07-2019


CIRCULAR

Prof. Daniel McQuade, Coloumbia Business School, President of McQuade Marketing is handling an interactive session on **"Startups & Entrepreneurship"** on **06th July, 2019**, which is organized by Entrepreneurship Development Cell of SVEC.

Students of II/III B.Tech., who are interested to attend this session can register their names with **Mr. B.Vishnu Vardhana Naidu**, Coordinator, ED Cell on or before **03-07-2019**. There is no registration fee to attend the program.

Venue: **Dasari Auditorium**

Timing: **10:00 AM to 12:00 Noon**


PRINCIPAL

Copy to : Director; **Deans :** Academics, Examinations, Placements & Training, IIIC;
HODs: EEE, ECE, EIE, CSE, CSSE, IT, CE, ME, with a request to read in all the **II/III B.Tech Class Rooms**.
NIVA Coordinator; SAO; SWO, ARO, CAQ, Director (Q&D), Director (F&A), SVET.

Entrepreneurship Development Cell

Awareness and Interactive Session on "Start-ups & Leadership"

06th July, 2019

Entrepreneurship Development Cell of Sree Vidyanikethan Engineering College organized an awareness & interactive session on "Start-ups & Leadership" on 06.07.2019.

Dr. I. Sudarsan Kumar, Director Quality & Development, introduced the resource person **Prof. Daniel McQuade-Columbia Business School, President of McQuade Marketing**. The introduction accentuated his contributions towards solving problems in Start-up and Entrepreneurship domains.



Dr. I. Sudarsan Kumar, Director Quality & Development, introducing the resource person to the august gathering

Prof. Daniel McQuade addressed the programme and shared his insights faced by India and the World.

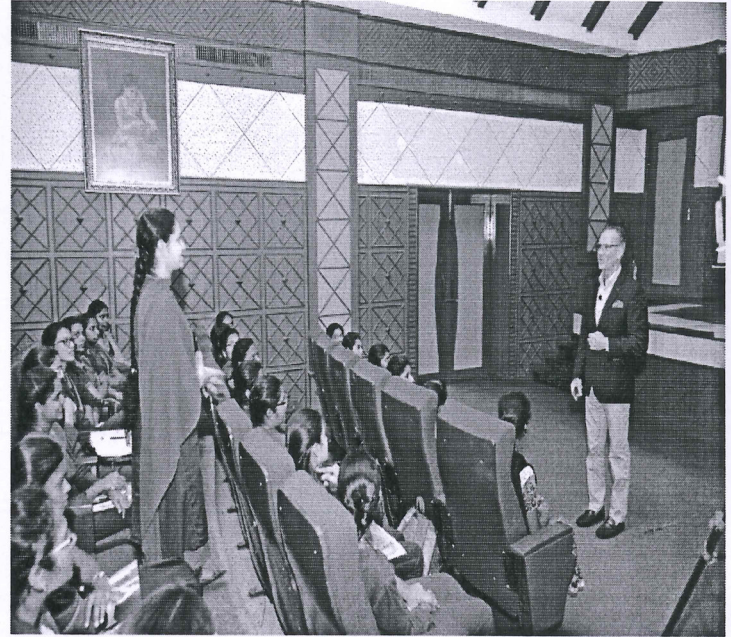


Prof. Daniel McQuade-Columbia Business School, President of McQuade Marketing addressing the members of faculty & students

Prof. Daniel while addressing students and members of faculty of SVEC triggered essential questions in the young minds. And also he addressed the gray areas in imitation and innovation that influence the success rate of startups and many business industries. He covered topics like Age of disruption, Leadership skills and Seafood Industry heuristics.

Prof. explained the need of analyzing skills to face risks and consistency in developing skills. "You are the multiplier for the development of future India" was his message for aspiring young students. He also, asserted "never create a solution to the problem that never existed".

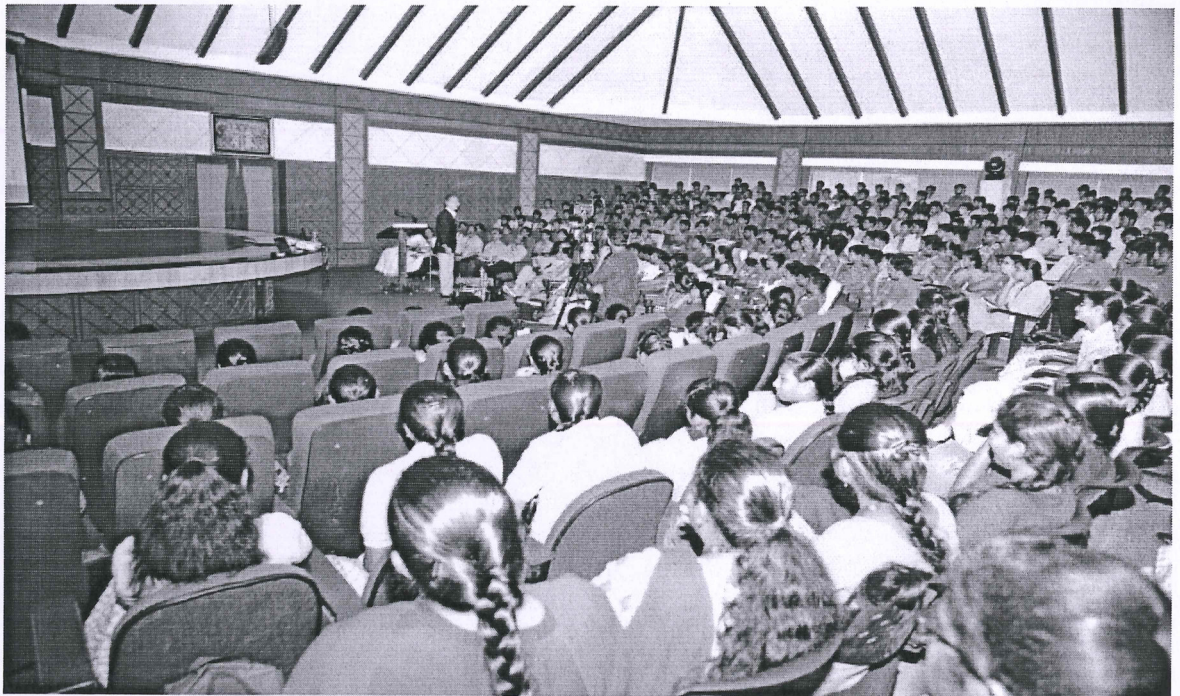
Further, the students interacted with Prof. Daniel clarifying their doubts in startups and ventures. He strongly suggested them, "Build something for people they want to buy, but not what you want to sell something to them."



Students clarifying their doubts in start-ups & ventures by interacting with Prof. Daniel McQuade



Participants



The Director Q&D concluded the programme by summarizing the essential points and take home formulae shared by the speaker.

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TIRUPATI-517 102**

Awareness and Interactive Session on

"Start-ups & Entrepreneurship"

06th July, 2019

Department: **Civil Engineering**

Students Attended

S. No.	Roll Number	Student Name	Year & Section
1.	18121A0103	AKKILI SAI CHARAN REDDY	II B.Tech - A
2.	18121A0116	BOYA BHASKAR	II B.Tech - A
3.	18121A0124	DAKKA SREENIVAS	II B.Tech - A
4.	18121A0137	GARIKA RAVI	II B.Tech - A
5.	18121A0141	GOSI SAI GOVARDHAN	II B.Tech - A
6.	18121A0182	SHAIK AZEEZ BASHA	II B.Tech - B
7.	18121A0195	VEEPURA PADMASREE	II B.Tech - B
8.	18121A01A0	AJAY CHAUDARY	II B.Tech - B
9.	18121A01A5	BIBEK KUMAR YADAV	II B.Tech - B
10.	18121A01A9	MANISH KUMAR SAH	II B.Tech - B
11.	17121A0109	BANDRALU YELLAPPA	III B.Tech - A
12.	17121A0110	B MANOJ KUMAR	III B.Tech - A
13.	17121A0114	BORRA PREM KUMAR	III B.Tech - A
14.	17121A0177	PENABADI MOHAN VAMSHI	III B.Tech - B
15.	17121A0187	SHABOLI MADHU SANTHOSH	III B.Tech - B
16.	17121A0190	SHAIK SHAHID AFRIDI	III B.Tech - B
17.	17121A0196	THALLURU KOWSHIK KUMAR	III B.Tech - B
18.	16121A0120	CHELO NAVEEN KUMAR	IV B.Tech- A
19.	16121A0123	D PRAGATHI	IV B.Tech- A
20.	16121A0126	DOMMARAJU PRANAY KUMAR	IV B.Tech- A
21.	16121A0184	S. SHAHID AFRIDI	IV B.Tech- B
22.			
23.			

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TELUPATI-517102

Awareness and Interactive Session on
"Start-ups & Entrepreneurship"

06th July, 2019

CSE

Students Attended

S. No.	Roll Number	Student Name	Year & Section	Signature
1.	16121A0501	A VYSHNAVI BHATT	IV (CSE-A)	Vyshnavi
2.	16121A0503	ADDULAMALA GOWTHAMI	"	Gowthami
3.	16121A0504	ADURI SRAVANTHI	"	A. Sravanthi
4.	16121A0505	AIYATHAM PRABAKAR SADGURU	"	A. Prabakar
5.	16121A0506	AKKANNAGARI SRIPALLAVI	"	Sripallavi
6.	16121A0507	AKKULAPPAGARI HARISH	"	Harish
7.	16121A0508	ALETI NAGENDRA SAI	"	Sai
8.	16121A0509	ANDLURU SUMANTHREDDY	"	Sumanthreddy
9.	16121A0510	ANDRA SUPRIYA	"	Supriya
10.	16121A0511	ANNAMANENI MADHAN	"	Madhan
11.	17121A0501	A V SANJAY REDDY	III (CSE-A)	Sanjay. A
12.	17121A0502	AAUTALA PAPANNAGARI DINESH	"	D. Dinesh
13.	17121A0503	AKKISSETTY ROJARANI	"	Rojarani
14.	17121A0504	ANANTHABHOTLA VENKATA	"	Venkata.
15.	17121A0505	AREKANTI JOHN PAUL	"	John Paul
16.	17121A0506	ASUNDI KAMAL JASON	"	Kamal A
17.	17121A0508	B GUNA SREE	"	Goreste
18.	17121A0509	BALU SRI VIDYA	"	B. Sri Vidya
19.	17121A0510	BANDUGULA SUSHMA	"	Sushma
20.	17121A0511	BASSETTYRANGARU SREEKANTH	"	Sreekanth
21.	18121A0568	GAVIREDDY GEETHIKA	II (CSE-A)	Geethika
22.	18121A0569	GEDIPUDI CHARAN SAI	"	Charan Sai
23.	18121A0570	GNANADEEP KODAVALI	"	Kodavali
24.	18121A0571	GOLLA SUSMITHA	"	Susmitha
25.	18121A0573	GORRE CHANDANA	"	Chandana
26.	18121A0574	GOTTIPATI SAI SUDHA	"	Sudha

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Pranand

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ENTREPRENEURSHIP DEVELOPMENT CELL

Awareness and Interactive session on "Start-ups & Entrepreneurship"

06.07.2019

S.No	Roll Number	Name of the Student	Signature
01	16121A0406	Akula monisha	A.monisha
02	17121A0410	B. supraja	B. Supraja
03	17121A0415	Miskin Vyshnavi	M. Vyshnavi
04	17121A0419	NV Sai Vivek.	NV. Sai Vivek.
05	18125A0414	BOYA YOGESH	B. Yogesh.
06	16121A0429	Bandi siresha	B. siresha
07	18125A0430	Lakka Gayatri	L. Gayatri
08	16121A0430	Pattubala chelthana ^{reddy}	P. chelthana ^{reddy}
09	17125A0408	chinthala satish	C. Satish
10	18125A0415	chalicheemala Siva prasanna ^{Kumar}	C. Siva prasanna ^{Kumar}
11	16121A0413	P. Niharika	P. Niharika
12	18125A0446	Yallala Swetha	Y. Swetha
13	16121A0435	BORRA VANI	B. Vani
14	17121A0417	Vattam Mohan Reddy	V. mohan Reddy
15	18125A0401	A S POORNESH	A.S. Poornesh.
16	18125A0411	Basireddy Pusitha	B. pusitha.
17	18125A0410	Talasi Ravi teja	T. Ravi teja
18	16121A0411	P. Harshitha	P. Harshitha
19	17121A0431	Balanapu mohammad	B. Mohammad
20	16121A0463	Dodduraju Paritha Sarathi	D. paritha Sarathi
21	16121A0465	Nari supriya	N. supriya

Awareness and Interactive Session on

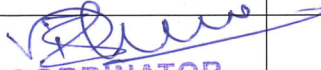
“Start-ups & Entrepreneurship”

06th July, 2019

Department: **Computer Science and Systems Engineering**

Students Attended

S. No.	Roll Number	Student Name	Year & Section
1.	18121A1514	C HEMA VARDHINI	II B.Tech - A
2.	18121A1515	C HEMAVARSHINI	II B.Tech - A
3.	18121A1519	DARA VAMSI KRISHNA	II B.Tech - A
4.	18121A1524	EERLA DHEERAJ	II B.Tech - A
5.	18121A1557	MALINENI ASRITHA SAI	II B.Tech - A
6.	18121A1561	MANDAVA SASHANK	II B.Tech - A
7.	18121A1592	RAYI RAMYA SREE	II B.Tech - B
8.	18121A1598	SESHAMBEDU DURGA PRASAD	II B.Tech - B
9.	18121A1599	SHAIK DAWOOD	II B.Tech - B
10.	18121A15B3	USARTI ASHOK BHARGAV	II B.Tech - B
11.	17121A1508	BALLARI SAI SWETHA	III B.Tech - A
12.	17121A1512	BODA GAYATHRI	III B.Tech - A
13.	17121A1526	DOMMARAJU TEJASWI	III B.Tech - A
14.	17121A1534	GALLA CHANDANA	III B.Tech - A
15.	17121A1588	R DEEPTHI	III B.Tech - B
16.	17121A15A5	T ARUN KUMAR	III B.Tech - B
17.	17121A15B5	VEMPALLI SALMA	III B.Tech - B
18.	16121A1508	AVULA MEGHANA	IV B.Tech- A
19.	16121A1522	D PREM KUMAR	IV B.Tech- A
20.	16121A1534	GIRAMMA RAMYA	IV B.Tech- A
21.	16121A1555	KURABALAKOTA PALLAVI	IV B.Tech- A
22.	16121A1572	MURARI SAISOWKHYA	IV B.Tech- B
23.	16121A1583	POLURU ROHITHA	IV B.Tech- B
24.			
25.			
26.			


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(AUTONOMOUS)

SREE SAINATH NAGAR, A. RANGAMPET
TIRUPATI-517 102

Awareness and Interactive Session on

"Start-ups & Entrepreneurship"

06th July, 2019

Electrical And Electronics Engineering

Students Attended

S. No.	Roll Number	Student Name	Year & Section	Signature
1.	18121A02A3	M. Naga Manojkumar	II EEE-B	Mangj
2.	18121A02E0	Navya	II EEE-C	Navya
3.	18121A02F0	Divya	II EEE-C	Divya
4.	18121A02F1	Sathvika	II EEE-C	Sathvika
5.	18121A02U5	E. Sai divya Suma	II EEE-A	E. Sai Divya Suma
6.	18121A0258	D. Sainath	II EEE-A	D. Sainath
7.	16121A0228	C.V. Jeevithresha	IV & A	Jeevithresha
8.	16121A0225	B.V. Subramanyam	IV & A	BVS
9.	16121A0259	G.R. Uday	IV & A	G.R. Uday
10.	16121A0218	B. Bhuvaneshwar Reddy	IV & A	B. Bhuvaneshwar Reddy
11.	16121A0208	A. Dedeepya	IV & A	Dedeepya
12.	16121A0213	B.C. Houswitha	IV & A	B.C. Houswitha
13.	16121A02L7	Y. Sruthi	EEE-D	Y. Sruthi
14.	16121A02J1	S. Sucharitha	IV & C	S. Sucharitha
15.	17125A0243	S. Chandbasha	IV & D	S. Chandbasha
16.	16121A02F7	P. Pruthvi	IV & C	P. Pruthvi
17.	17125A0205	B. Reddy Kishore	IV & D	B. Reddy Kishore
18.	17125A0227	K. Lalshmi Narayana Reddy	IV-D	K. Lalshmi Narayana Reddy
19.	16121A0255	E. Lokeshwar Reddy	IV-A	E. Lokeshwar Reddy
20.	16121A0244	D. Pavankrishna	IV EEEA	D. Pavankrishna

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Awareness and Interactive Session on

"Start-ups & Entrepreneurship"

06th July, 2019

Mechanical Engineering

Students Attended

S. No.	Roll Number	Student Name	Year & Section	Signature
1.	17121A03B4	P. Sravani	3 rd - B	P. Sravani
2.	18125A0314	G. Srushta	3 rd - C	G. Srushta
3.	17121A03B7	S. Gangavathi B	3 rd - B	S. Gangavathi
4.	17121A0347	K.V. Sai Naveen Chandek	2 nd - A	K.V. Sai Naveen Chandek
5.	17121A03E4	V. Chethana	III - C	V. Chethana
6.	17121A0363	K. Mallikarjuna	III - A	K. Mallikarjuna
7.	17121A0399	P. Umamaheswar Reddy	III - B	P. Umamaheswar Reddy
8.	18125A0303	B. Vamsi Krishna	III - C	B. Vamsi Krishna
9.	18125A0337	P. Jashwanth	III - C	P. Jashwanth
10.	18125A0325	M. SAI KUMAR	III - C	M. Sai Kumar
11.	18125A0339	Y. Srinivasula Reddy	III - C	Y. S Reddy
12.	18125A0333	N. HARSHITH	III - C	N. Harshith
13.	18125A0312	G. Rakesh	III - C	G. Rakesh
14.	18125A0338	S. N. Venkatesh	III - C	S. N. Venkatesh
15.	17121A03E6	P. V. Purushotham	III - C	P. V. Purushotham
16.	17121A03E0	T. Bharath Kumar	III - C	T. Bharath Kumar
17.	17121A0383	M. Hariprakash Rayal	III - B	M. Hariprakash Rayal
18.	17121A0368	L. Venkatesh	III - B	L. Venkatesh
19.	17121A0326	K. Eswar Prasad	III - A	K. Eswar Prasad
20.	18125A0335	P. Chaitanya	III - C	P. Chaitanya
21.	17121A0350	K. Abhishek Pavan	III - A	K. Abhishek Pavan
22.	17121A03C7	S. Saifula peel	III - B	S. Saifula peel
23.	18125A0313	G. Vikram	III - C	G. Vikram
24.	17121A0391	B. Nagendra	III - B	B. Nagendra
25.	18125A0321	K. Yuva Teja	III - C	K. Yuva Teja
26.	18125A0316	K. Sarath	III - C	K. Sarath

27.	18125A0540	T. Gireesh	III - C	TH
28.	18125A0344	Y. Yeshwanth Kumar	II - C	Yeshu
29.	18125A0314	C. Muni Kishal	II - C	C. G. Kishal
30.	18125A0329	M. Kranthi Kumar	III rd - C	U. Kranthi Kumar
31.	18125A0317	K. Sandeep	III - C	K. Sandeep
32.	18125A0306	C. Madhusudhan	III - C	C. G. Madhu
33.	17121A0304	A. Rukesh	III - A	A. Rukesh
34.	17121A0315	B. Srinivasulu	III - A	B. Srinivasulu
35.	17121A0330	G. Nikhil	III - A	G. Nikhil
36.	17121A0349	K. Vijaya Lakshmi	III - A	K. Vijaya Lakshmi
37.	17121A03A3	P. Nareesh	III - B	P. Nareesh
38.	17121A03C4	S. Alisher Basha	III - B	S. Alisher Basha
39.	17121A03A1	P. Sivaprasanna	III - B	P. Sivaprasanna
40.	17121A03A0	P. Rudhvi	III - B	P. Rudhvi
41.	17121A03A6	P. Sasikala	III - B	P. Sasikala
42.	17121A03A5	P. Rani Lehya	III - B	P. Rani Lehya
43.	17121A03B3	P. Jaswanth	III - B	P. Jaswanth
44.	17121A03B2	P. Sumanth	III - B	P. Sumanth
45.	17121A03A8	P. Poojitha	III - B	P. Poojitha
46.	17121A03B1	P. Subhash	III - B	P. Subhash
47.	17121A03B0	P. Monish Kumar	III - B	P. Monish Kumar
48.	17121A03A9	P. Madhu	III - B	P. Madhu
49.	17121A03B5	R. Harish	III - B	R. Harish
50.	17121A03C2	S. Yeshwanth	III - B	S. Yeshwanth
51.	17121A03C1	S. Mohan Sai	III - B	S. Mohan Sai
52.	17121A03D0	S. Pavan Kumar	III - B	S. Pavan Kumar
53.	17121A03A7	P. Kiran Vasu Kumar	III - B	P. Kiran Vasu Kumar
54.	17121A03B8	S. Revanth Kumar	III - B	S. Revanth Kumar
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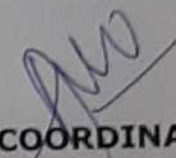

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INFORMATION TECHNOLOGY

"Awareness and Interactive session on "Start-ups & Entrepreneurship"
(06.07.2019)

STUDENTS ATTENDED

S. No.	Roll Number	Name of the Student	Signature
1.	17121A1204	B GOVARDHAN SAI	Sai
2.	17121A1205	B HARSHA VARDHAN	Vardhan
3.	17121A1206	B SONIA	Sonia
4.	17121A1269	MUPPURI VENKATA PRASAD	Prasad.
5.	17121A1270	MUTHIREDDY NANDINI	Nandini
6.	17121A1271	MUTHYALA SAI MADHUVANI	Madhuvani
7.	17121A1275	NUKALA GNANESH	Gnanesh.
8.	17121A1212	CHENCHAMGARI SRAVANI	Sravani
9.	17121A1213	CHENNA KRANTHI KUMAR	Kumar
10.	17121A1262	MANGALI SURESH	Suresh.


EDC COORDINATOR


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Research Centers

Name of the Department	Name of the research centre	Name of the recognizing body
Institution	National MEMS Design Centre (NMDC)	National Program on Micro and Smart Systems (NPMASS)
Mechanical Engineering	Advanced CNC Lab (Industry grade)	Siemens India.
Mechanical Engineering	Advanced CAD Lab (CBT)	Siemens India.
Electrical and Electronics Engineering	Electrical Lab (Industry grade)	Siemens India.
Mechanical Engineering	Advanced welding Lab (Industry grade)	Siemens India.
Civil Engineering	Agro Lab	Siemens India.
Mechanical Engineering	Refrigeration & Air conditioning Lab (Industry grade)	Siemens India.
Institution	Atmospheric Research Lab	DST & Governing Body, SVET
Mechanical Engineering	Micro Machining Research Lab	Governing Body, SVET
Electronics and Communication Engineering	ECE Research Centre	JNTU Ananthapur, Ananthapuramu.
Electrical and Electronics Engineering	EEE Research Centre	JNTU Ananthapur, Ananthapuramu.
Computer Science and Engineering	CSE Research Centre	JNTU Ananthapur, Ananthapuramu.
Electronics and Communication Engineering	Nano Electronics Lab	Governing Body, SVET
Electronics and Communication Engineering	Antenna Research Lab	Governing Body, SVET
Computer Science and Systems Engineering	Cyber Security and Cryptology	Governing Body, SVET
Information Technology	Data Analytics Research Lab	Governing Body, SVET
Electronics and Instrumentation Engineering	Bio-Instrumentation Research Laboratory	Governing Body, SVET
Civil Engineering	Water and Environment Research Centre	Governing Body, SVET
Civil Engineering	Geotechnical Engineering Research Laboratory	Governing Body, SVET

National MEMS Design Centre

MEMS Design Centre at our college was inaugurated on 30th March 2012 by Dr. V. Ramgopal Rao, IIT Bombay and Dr. S. Mohan, IISc Bangalore for the benefit of users from this region. Later the centre has been renamed as a national MEMS design Centre equipping with site licenses of software's programs such as COVENTOR MEMS+, Intellisuite and COMSOL (as a Class kit of 30 licenses) under National Program on Micro and Smart Systems (NPMASS). Also have collaboration with IITB, Mumbai and IISc, Bangalore. Centre motivates the research activity in the field of MEMS by proper utilization of the facilities provided by NPMASS from design to fabrication of prototype MEMS products and specific field applications.

SVEC will also facilitate external researchers from other interested institutes (academic or National labs subject to individual software licensing conditions) to use the design tools. In this centre all the departments share the simulation facility supported by NPMASS and fabrication will be done in IITB or IISc Bangalore. The departments are required to promote the area of MEMS through independent department course at UG/PG levels to involve students and faculties in developing MEMS related projects and research activities. In the absence of required in-house comprehensive facilities for complete fabrication of MEMS, the short term strategy is to focus on design modeling and characterization.

Many of the faculty members were chosen the specialized topics on their discipline and their work is under progress. In the Institution we were organized training programs on MEMS Design using COMSOL Multiphysics and MEMS Design using CoventorWare. Many faculties attended various programs like

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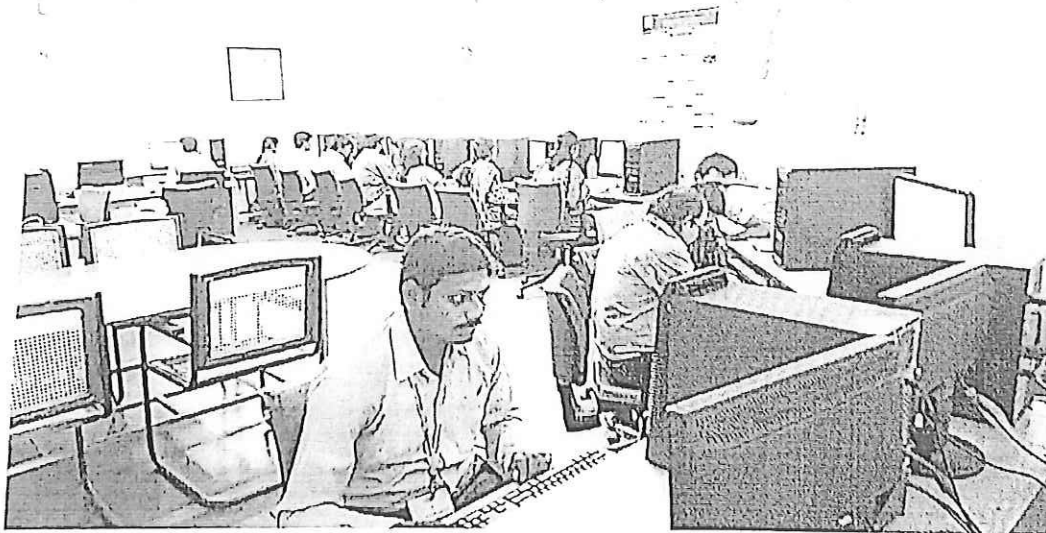
✉ svecp@vidyanikethan.edu

conferences/workshops/training programs in India. The output generated by the centre is in the form of Prototypes, two research projects were completed and two were under progression.

Objectives:

- To promote interdisciplinary research and to provide excellent opportunity for the faculty and students to endeavor innovation in MEMS.
- Further, to serve as a nodal centre of this region by extending facilities of National MEMS Design Centre to other Institutions.

**NATIONAL MEMS DESIGN CENTRE
(UNDER NPMASS)**



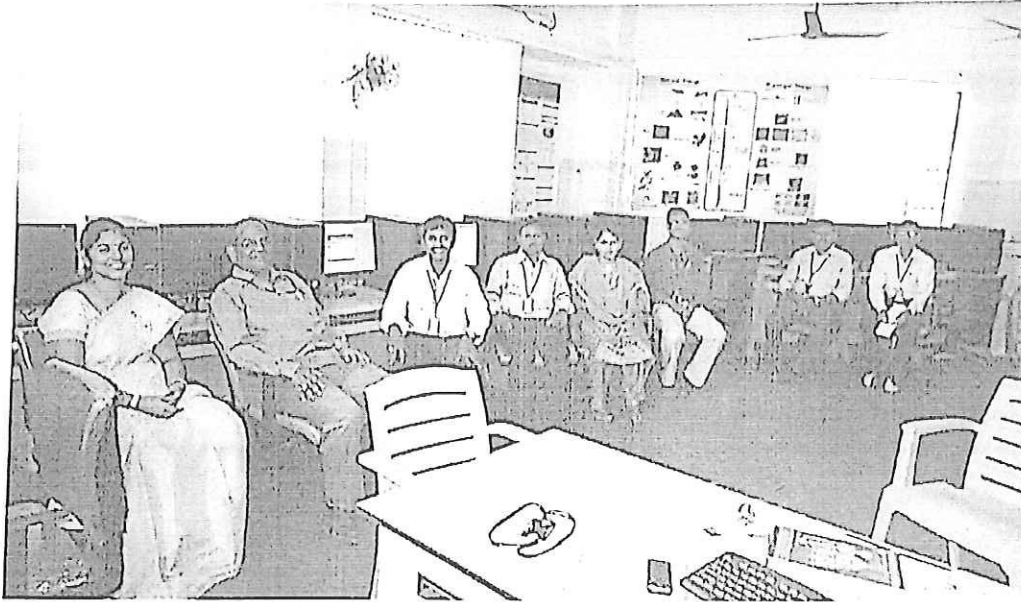
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Lab In-charge

(Dr.V.R.Anitha)

HOD, ECE

Principal

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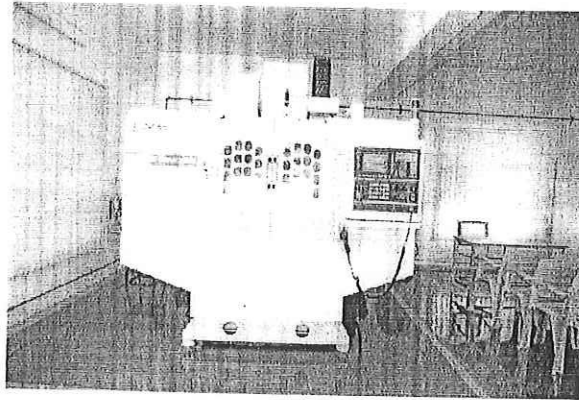
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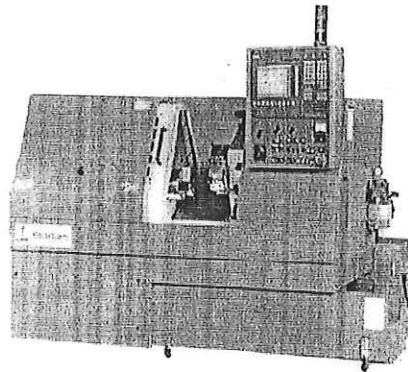
COMPUTER NUMERICAL CONTROL LAB

Description

The Computer Numerical Control (CNC) Laboratory is designed to facilitate the basic research support for faculty and students by providing fundamental knowledge and experience in CNC programming, understanding different machining processes and to implement the same in the areas of their research, career building and job. This lab consists of LMW VJ 55 Vertical Machining Centre (VMC), SMARTURN, MasterCAM software and Siemens Simulation controllers for programming.



LMW VJ 55 VERTICAL MACHINING CENTRE (VMC)



SMARTURN CNC LATHE

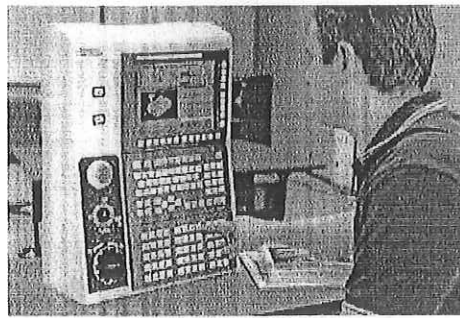
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SIEMENS SIMULATION CONTROLLERS

Objectives

The CNC laboratory aims to enhance the student's knowledge in development of practical knowledge on CNC machines and the lab caters the skills necessary for the development of a mechanical engineer pursuing further studies, research studies and a career in manufacturing area.

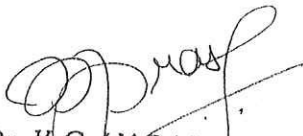
The following are the main objectives of CNC Lab:


- To provide basic research facility for programming by understanding the fundamentals of part programming in terms of the various steps needed to be taken for completing a successful CNC program.
- To introduce the basic advanced capabilities of CNC to increase productivity
- To use effectively CAD/CAM systems in order to produce the final NC code for the manufacturing of various mechanical parts and carry out exchange of data between CAD and CAM systems.

R&D Facilities:

1. Computer-aided manufacturing (CAM) (Manufacturing) softwares
2. CNC Milling Machine
3. CNC Lathe Machine
4. Sinumeric CNC Simulators (4 Nos.)
5. MasterCAM Software
6. Robotics Simulation Softwares

Lab Coordinator: **Mr.G.V.V.S.Reddy Prasad**


Dr. K.C. VARAPRASAD
Professor & Head
Dept. of Mechanical Engineering
Sree Vidyanikethan Engineering College
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ADVANCED COMPUTER AIDED DESIGN LAB

Description

Advanced Computer Aided Design Lab is designed to focus basic research facilities to analyze and comprehend diverse designs in nature that are time-tested and robust, and to implement assimilated concepts for optimal form design in engineering problems. The lab provides a facility to the faculty and students where the theory and tools of Computer Aided Design (CAD) for the product development cycle can be utilized during their research. The users are encouraged to learn, practice and apply the knowledge gained into their research areas.



Inside view of the advanced CAD Lab

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Objectives

Advanced Computer Aided Design lab provides a convenient mean to create designs for almost every engineering discipline. It can be used for mechanical, industrial design, and product design.

The following are the main objectives of CAD Lab:

- To provide basic research facility for design through quality graphics for the researchers
- To introduce the basic advanced capabilities of CADD to increase productivity
- Improve visualization ability of machine components and assemblies before their actual fabrication through modeling, animation, shading, rendering, lighting and coloring
- To provide the relevant software's to model complex shapes including freeform curves and surfaces.

Above all, the advanced CAD lab provides digitally integrated environment where the researchers can design, analyze, simulate and build components. The Laboratory has the following research areas:

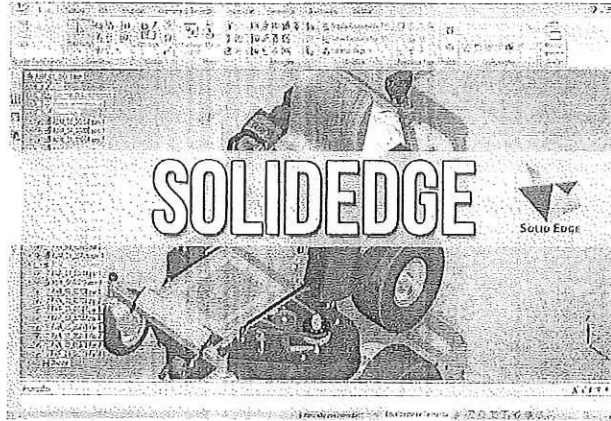
- Engineering graphics & Design
- Geometric Modeling
- Finite Element Analysis
- Product Development
- Rapid Prototyping

Software's Available

- Solid edge
- NX CAD
- Solidworks
- Creo 2.0
- AutoCAD 2016
- Siemens PLM Software
- 3D Printer

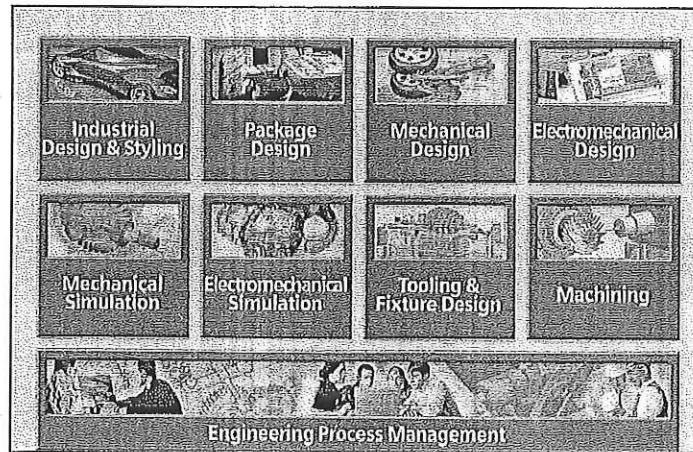
About Solidedge

Solid Edge is a 3D CAD, parametric feature (history based) and synchronous technology solid modeling software. It runs on Microsoft Windows and provides solid modeling, assembly modelling and 2D orthographic view functionality for mechanical designers. Through third party applications it has links to many other Product Lifecycle Management (PLM) technologies.



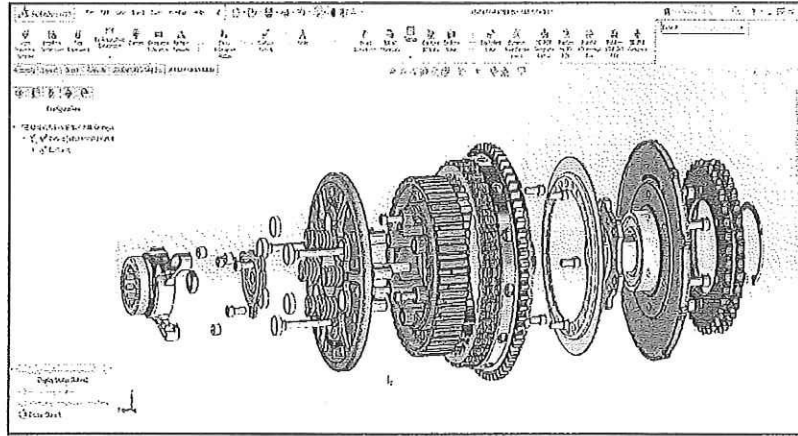
About NX CAD

Siemens NX software is an integrated product design, engineering and manufacturing solution that helps you deliver better products faster and more efficiently. NX for Design is an integrated product design solution that streamlines and accelerates the product development process for engineers who need to deliver innovative products in a collaborative environment.



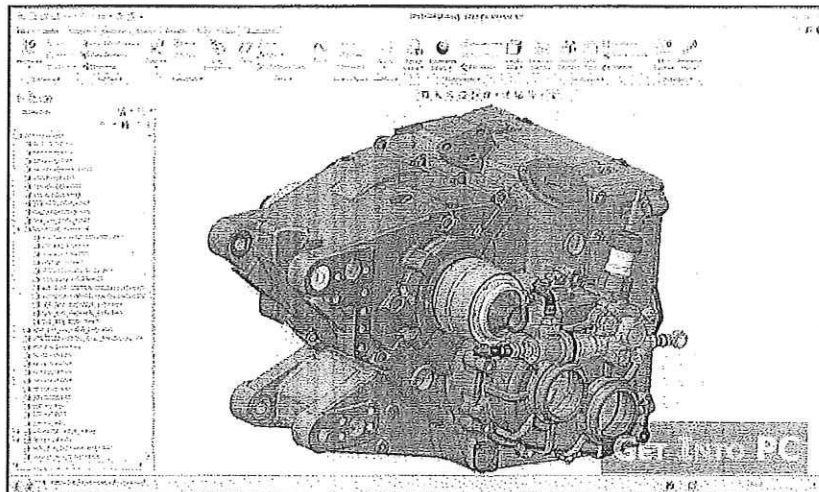
About Solid Works

SolidWorks is a solid modeling computer-aided design (CAD) and computer-aided engineering (CAE) computer program that runs on Microsoft Windows. SolidWorks is published by Dassault Systèmes.



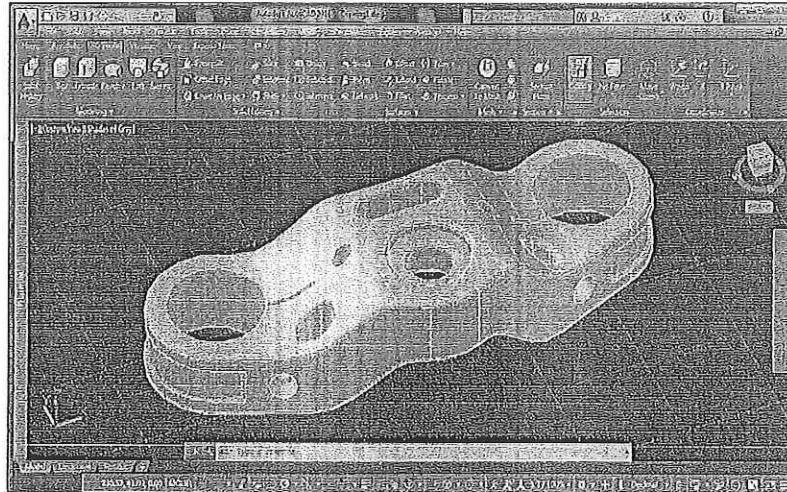
About Creo 2.0

Creo is a family or suite of Computer-aided design (CAD) apps supporting product design for discrete manufacturers and is developed by PTC. The suite consists of apps, each delivering a distinct set of capabilities for a user role within product development. Creo runs on Microsoft Windows and provides apps for 3D CAD parametric feature solid modeling, 3D direct modeling, 2D orthographic views, Finite Element Analysis and simulation, schematic design, technical illustrations, and viewing and visualization.



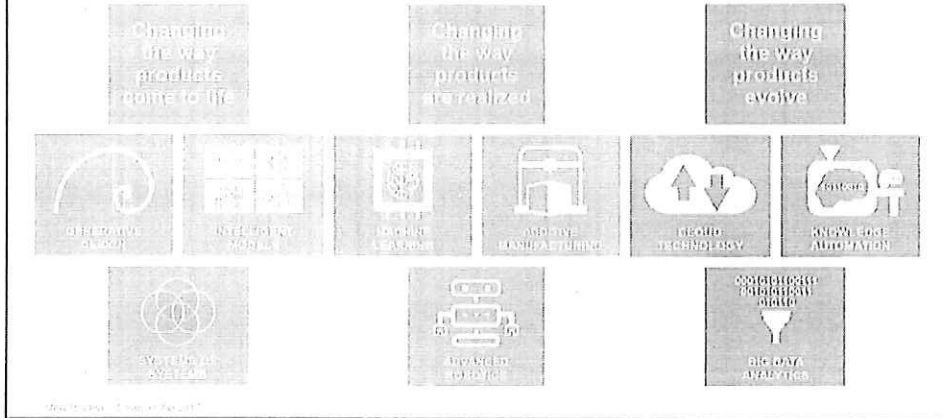
About AutoCAD 2016

AutoCAD is a commercial computer-aided design (CAD) and drafting software application. Developed and marketed by Autodesk, AutoCAD was first released in December 1982 as a desktop app running on microcomputers with internal graphics controllers. Before AutoCAD was introduced, most commercial CAD programs ran on mainframe computers or minicomputers, with each CAD operator (user) working at a separate graphics terminal.



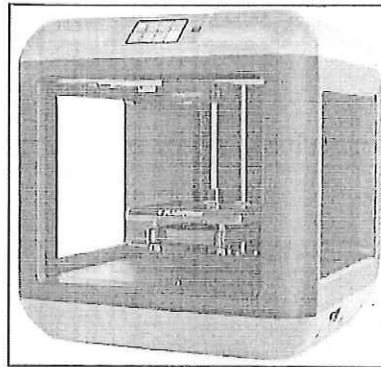
About Siemens PLM Software

Siemens PLM Software (formerly UGS) is a computer software company specializing in 3D & 2D Product Lifecycle Management (PLM) software. The company is a business unit of Siemens, and is headquartered in Plano, Texas. Siemens PLM Software is a world-leading provider of product lifecycle management and manufacturing operations management software. It helps to users to realize innovation by optimizing their processes, from planning and development through manufacturing, production and support. Siemens PLM Software, a business unit of the Siemens Digital Factory Division, works collaboratively with companies to deliver open solutions that help them realize innovation. Siemens PLM Software's products include NX, a CAD/CAM/CAE commercial software suite, Teamcenter, an integrated set of PLM and collaboration (cPD) tools, Tecnomatix, a manufacturing and factory planning suite and Velocity Series, an application bundle focused at the mid-market that includes Solid Edge.



About 3D Printer

3D printing is any of various processes in which material is joined or solidified under computer control to create a three-dimensional object, with material being added together (such as liquid molecules or powder grains being fused together). 3D printing is used in both rapid prototyping and additive manufacturing (AM). Objects can be of almost any shape or geometry and typically are produced using digital model data from a 3D model or another electronic data source such as an Additive Manufacturing File (AMF) file (usually in sequential layers). There are many different technologies, like stereolithography (SLA) or fused deposit modeling (FDM).



3-D Printer

Lab Coordinator: Mr.A.Venkatesh

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ELECTRICAL LAB

Objective:

The main objective of this lab is to provide research facilities with basic and advanced electrical control simulating devices.

Research Areas:

Electrical lab is designed to conduct various experiments related to Electrical technology with various tools of electrical in a safe manner as per the Indian electricity rules.

The following advanced research areas are focused in this lab:

- Read blueprints, designing basic and completed circuits.
- Selection and Installation procedures of wiring as per the drawing
- Study and application of suitable protective devices for circuit protection
- Safety precautions for avoiding accidents
- Conduct various research oriented simulating works

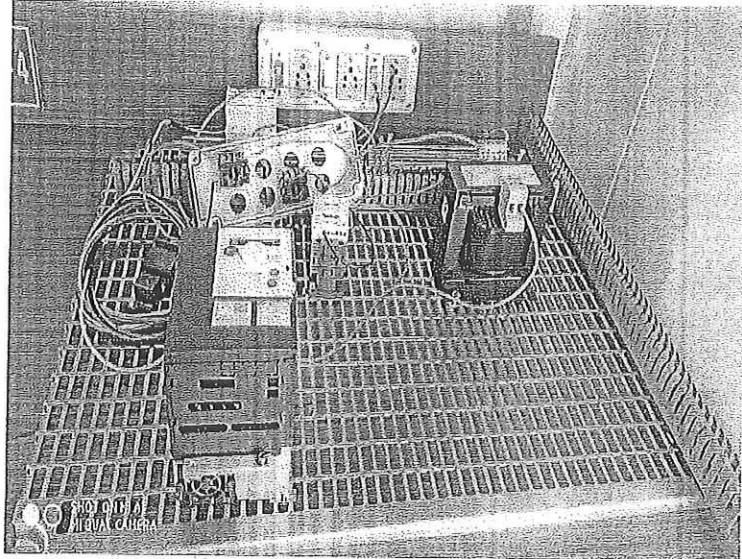
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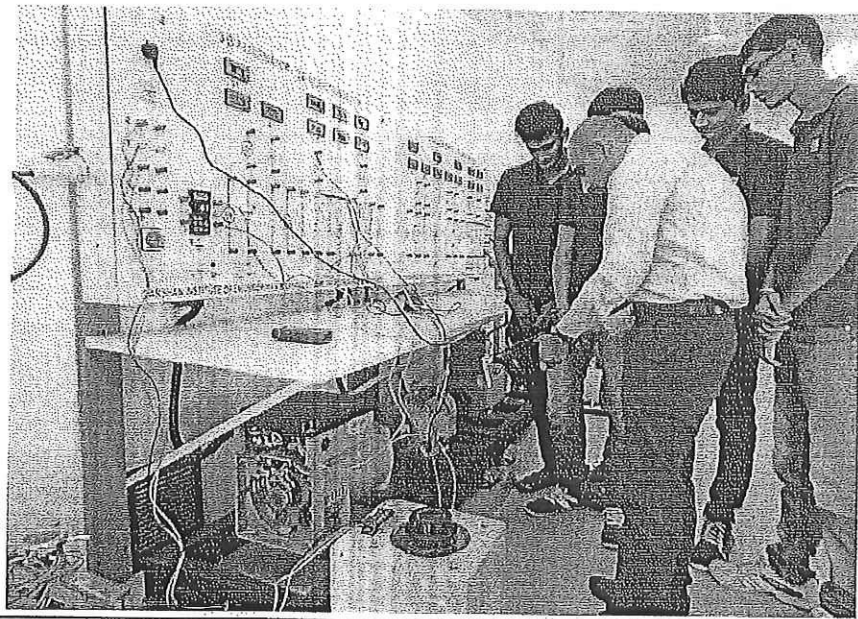
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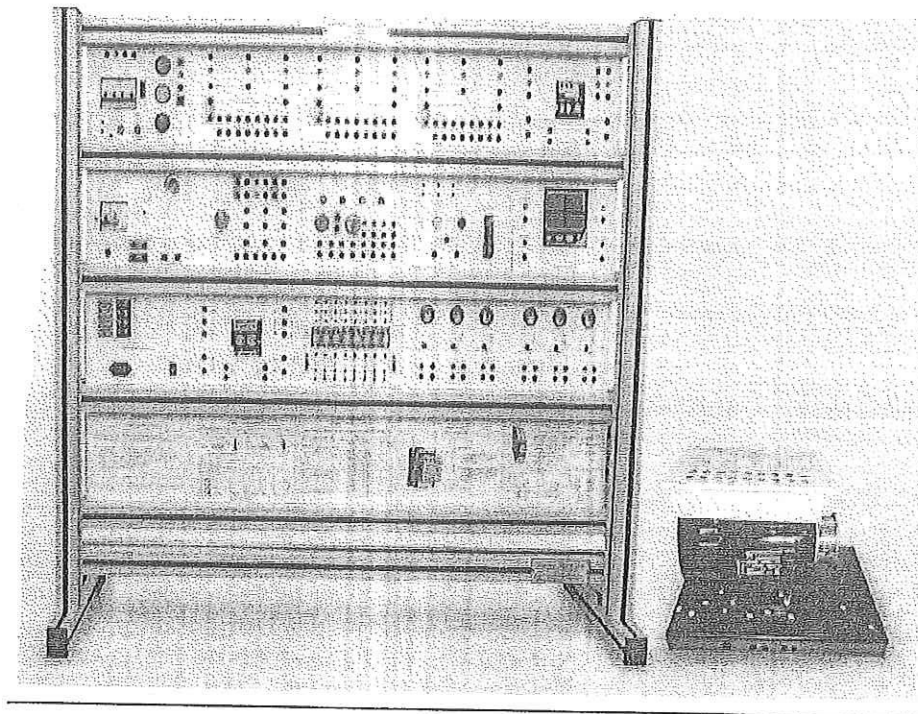
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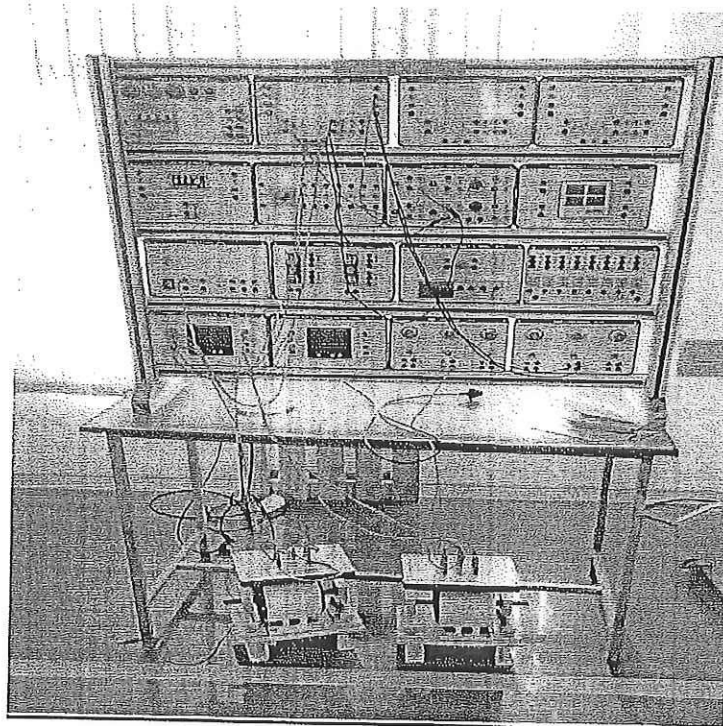
Read blueprints, designing basic and completed circuits



Study and application of suitable protective devices for circuit protection



Installation Trainer Kit




Trainer Kit with Motor-Generator Set Connections


Outcomes:

After completing this course, a student will be able to:

- Read blueprints or technical diagrams of electrical wiring.
- Select right and suitable components, devices for controlling and protecting the electrical items and peripherals
- Install and maintain electrical wiring circuits in a safe manner
- Inspect and make clearance for giving main supply by avoiding loose contacts in controllers, fuse and circuit breakers.
- Replace wiring, equipment and protective devices using hand tools and power tools.
- Learn and follow the Indian Electricity Rules during providing connection and in installation.

Lab Incharge : Mr.K.Kamal Kumar


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ADVANCED WELDING LAB

Objectives:

The activities in Advanced Welding lab are focused on developing cutting edge technologies in welding & allied areas through systematic welding techniques, providing welding technology solutions to all the students and researchers. The main objective of this lab is to provide advanced welding techniques and methods including safety precautions necessary while welding.

- Describe and demonstrate proper welding shop safety.
- Read and interpret symbols and plans utilized in the Welding industry.
- Demonstrate competency in shielded metal arc welding.
- Demonstrate competency in metal inert gas welding
- Demonstrate competency in flux cored arc welding
- Describe how the effects of heat, metal thickness and metal length influence welding/cutting techniques.
- Describe how the effects of heat, metal thickness and metal length influence cutting techniques.

Facilities

1. Auto K-400,
2. Easyweld 400-T,
3. RS 400,
4. Migmatic 250,
5. Transweld,
6. Gas welding,
7. Gas Cutting equipment,
8. Safety equipment and tools.

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Research Areas

The following advanced research areas are focused in this lab:

- Design and fabrication of semi-automatic fixture to weld pipes using MIG/TIG.
- Experimental study on microstructure and mechanical properties of AA6061/Ti-6Al-4V joints made by bypass-current MIG welding-brazing.
- Evaluation of MIG welding process parameter using Activated Flux on SS316L by using Taguchi method.
- Influence of low current auxiliary TIG arc on high speed TIG-MIG hybrid welding.
- A comparative study on the microstructure and properties of copper joint between MIG welding and laser-MIG hybrid welding.
- An investigation on butt joints of Ti6Al4V and 5A06 using MIG/TIG double-side arc welding-brazing.



Shielded Metal Arc Welding:

SMAW is one of the oldest, simplest and most versatile joining processes. The electric arc is generated by touching the tip of a coated electrode against the work piece. The electrodes are in the shape of a thin long stick (stick welding). The heat generated, melts a portion of the tip of the electrode, its coating, and the base metal in the immediate area of the arc. A weld will be formed the molten metal (a mixture of the work piece and the electrode metal) and substances from the coating of the electrode, solidifies in the weld area. The electrode coating deoxidizes and provides a shielding gas in the weld area to protect it from oxygen and nitrogen in the environment. Electrodes are available for welding most carbon, low alloy and stainless steels, some non-ferrous metals, and a wide range of maintenance and repair applications.

Gas Metal Arc Welding:

GMAW was developed in the late 1940's and is also called MIG/MAG Welding. Since then it unfolded into becoming a major element in industry today. It is suitable for welding a variety of ferrous and nonferrous metals. The arc continuously melts the wire as it is fed in the weld puddle. The weld area is shielded by a flow of gas such as argon, helium, carbon dioxide, or gas mixtures. The consumable bare wire is fed automatically through a nozzle into the weld area. Metal can be transferred into the weld-bead in three ways: Spray, Globular and Short circuiting. Each way has its own advantages and disadvantages. The process is rapid, versatile, economical and can easily be automated (continuous welding without electrode changing).

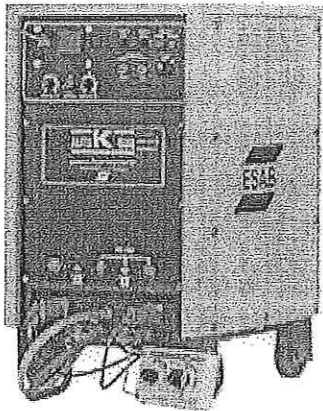
Gas Tungsten Arc Welding:

GTAW also known as TIG welding (Tungsten Inert Gas). The filler metal is supplied from a filler wire and is similar to the metals to be welded. The tungsten electrode is not consumed in this operation and the shielding gas is usually argon or helium or a mixture of it. Welding with GTAW can also be done without filler metals, as in welding close-fit joints. GTAW is used for a wide variety of metals and applications, particular aluminum, copper, brass, magnesium, titanium and high alloy metals. It is especially suited for thin metals. In general AC power supply is preferred for aluminum and magnesium because the cleaning action of AC removes oxides and improves weld quality. DC power supply is also possible. The cost of the inert gas

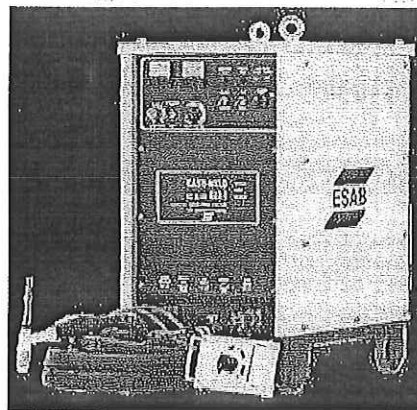
makes this process more expensive than SMAW, but it provides welds with very high quality and surface finish.

Gas Welding:

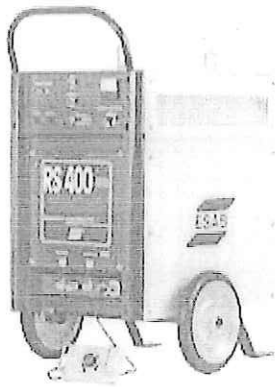
Oxy-Acetylene welding is developed in the 1900s and is the most common gas welding process. It uses acetylene fuel. The proportions of oxygen and acetylene are an important factor. At a ratio of 1:1, the burning gases get a neutral flame. If the supply of oxygen is lower it becomes a reducing flame. With a greater oxygen supply it becomes an oxidizing flame. Filler metals are used to bring additional material to the weld zone during welding. They are available as rods or wire, coated and uncoated, and are made of metals compatible with those to be welded. Oxyacetylene welding can be used with most ferrous and nonferrous metals for any thickness of workpieces, but the relatively low heat input limits the process economically to less than 6 mm. A variety of joints can be produced by this method. It is portable, versatile and economic for low quantity and simple work.



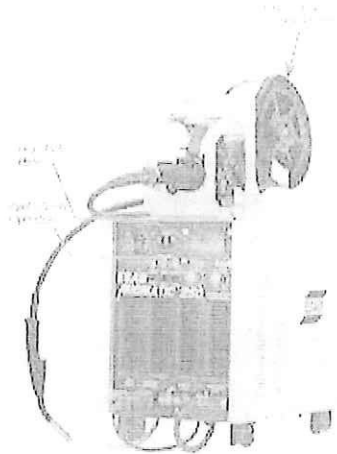
Auto K-400



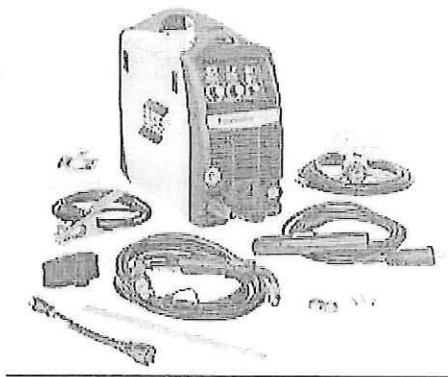
Easyweld 400-T



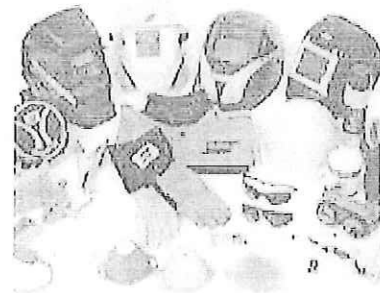
RS400



Migmatic 250



Gas Cutting equipment



Safety equipment and tools

Safety and Precautions:

As in any welding process, Gas Metal Arc Welding (GMAW) safety precautions are very important. All information relating to the safe operation of the welding equipment and the welding process must be fully understood before attempting to begin work. A careless welder who does not observe some simple rules can cause a dangerous situation for everyone in the area. The process of arc welding creates several hazards which must be guarded against. Useful safety information can be found in the Owner's Manual that comes with each item of welding equipment.

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AGRO LAB



DESCRIPTION

Agro-Machinery lab is established in Sree Vidyanikethan Engineering College to provide a basic knowledge on soil and water testing equipment, irrigation equipment, seed drills, tillage equipment's, solar water pumping system, air-cooling system, IC engines parts and cultivators. Agro-Machinery lab is equipped with the machinery for soil preparations, seed plantation, inter-cultural operations, plant protection, harvesting and threshing. The laboratory is having tractor operated, power tiller operated, self-propelled, stationary engine operated, and manually operated equipment. The cut-sections of different machinery, drip and sprinkler system are the beauty of laboratory that helps to explain the students of the different modules. Consultancy services can be taken up with instruments to test water and soil properties.

Name of the Research Lab	:	Agro-Machinery lab
Name of the Coordinator	:	Dr.M.V.Subba Reddy
Aim of the Research Lab	:	To provide a basic knowledge about irrigation equipment, seed drills, tillage equipment's, solar water pumping system, air-cooling system, IC engines parts and cultivators.
Objectives of the Cluster	:	<ul style="list-style-type: none">• Learn about the basic sub-systems of a tractor and its functioning.• Perform basic servicing of tractor like brake pedal play adjustment,• Wheel replacement and fuel filter replacement• Perform basic inspection and maintenance of a tractor and troubleshooting of irrigation equipment• Learn about structure of irrigation system and functions of and their components• Learn maintenance and adjustment of components like dripper, seed drill sand filter etc.• Conduct experiments to test Water and Soil Testing• Study Drip and sprinkler Irrigation system

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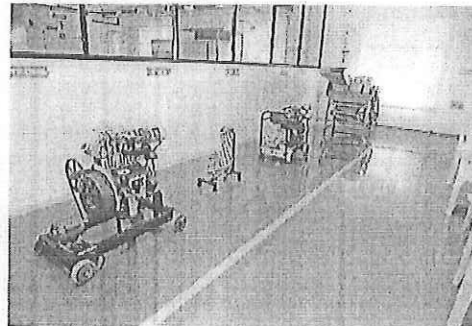
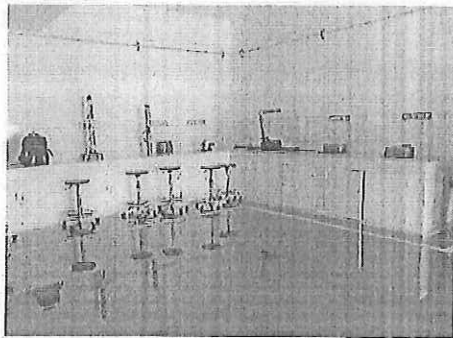
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Facilities Available in the Centre :

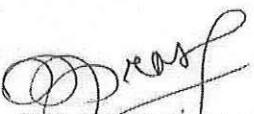
1. Tractor
2. Drip Irrigation system
3. Sprinkler Irrigation system
4. Cultivator
5. Disc-Cultivator
6. Seed Drill Threshing Equipment's
7. Multi crop thresher
8. Chara-cutter
9. Solar panel pumps
10. Submersible pumps
11. Centrifugal pumps
12. Generator
13. Water Testing Kit
14. Soil Testing Kit
15. Air Compressor
16. Tractor Engine cut-section

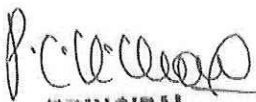
Action Plan of the Centre :

1. Reducing water footprint in agricultural sector
2. Agricultural soil testing consultancy in and around SVEC
3. Agricultural water testing consultancy in and around SVEC
4. Organize a outreach/extension activity to create awareness on agronomic strategy to overcome the challenges of climate change



Equipments in the research laboratory


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REFRIGERATION & AIR CONDITIONING LAB

Objective:

Provision of facilities and equipments to the researches working in the field of various refrigerating and air conditioning systems for comfort and industrial applications.

Facilities:

- Scroll Chiller (Air-cooled) 10 TR
- VRF IV Plus system 8 HP
- Ducted split unit 5.5 TR - Indoor, Outdoor
- Cassette unit 1.5 TR – (Indoor, Outdoor)
- High wall split (2 star) 1 tr – (Indoor, outdoor)
- Window unit (2 star) 1 tr – (Indoor, outdoor)
- Deep Freezer Hard Top 100 Litres
- Bottle Cooler Hard Top 300 Litres
- Water cooler 20/20 Litres
- Bottle Water Dispenser
- Cold room 6000 BTU/ Hr - Assembled Unit

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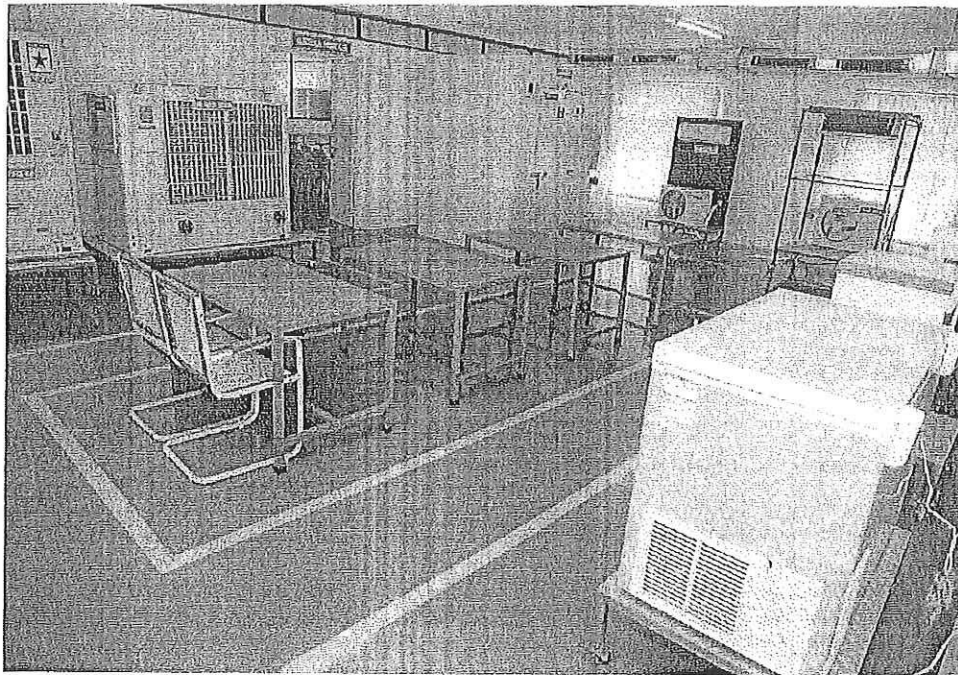
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Research Areas:

The following advanced research areas are focused in this lab:

- Alternate Refrigerants including Hydro carbon mixtures and olefins as refrigerant mixtures
- Improvement of efficiency of Refrigeration and Air conditioning Systems with sub-cooling and superheating technology
- Designing of new refrigeration & air conditioning systems which increase the cop of the system.



Outlook of Commercial Lab

Outcomes:

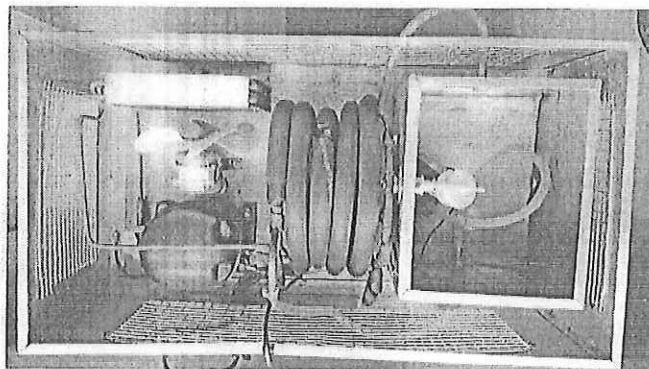
After completing this course, a student will be able to:

- Familiarize the components of refrigeration systems.
- Understand the principles of refrigeration and air conditioning.
- to understand vapour compression and vapour absorption system operation.
- Analyze the refrigeration cycles & methods for improving performance.

- Design refrigeration & air conditioning systems using cooling load Calculations.
- know the application of refrigeration and air conditioning.
- Energy Conservation and Management.

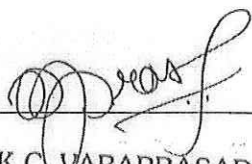
Project Work Carried Out

A chiller unit was fabricated in which the evaporator used was a helical coiled tube in tube heat exchanger. The design of the helical coiled tube in tube evaporator was also carried out. The experimental refrigeration unit that was fabricated was filled with the R134a working fluid and experiments were conducted to test the performance of the refrigeration system. The first conclusion inferred from the work was that the coefficient of performance of the system increased by suitably designing the evaporator. Analyzing the obtained value of COP, it was concluded that the design of the heat exchanger plays a major role in increasing the performance of the chiller unit. The temperature of the water is decreased with less time to get the desired cooling effect from the refrigeration system.

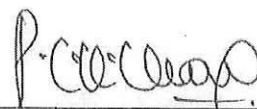


Fabricated water chiller unit

Coordinator: Dr.R.Satya Mehar



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ATMOSPHERIC RESEARCH LAB (ARL)

Atmospheric Research Lab (ARL) is the developing capability to predict the behavior of the atmosphere through Lidar and Radar observations and involved in carrying out fundamental and applied research in Atmospheric Sciences.

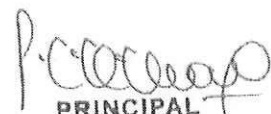
In ARL, the main objective is to study atmospheric gravity waves and their spectral characteristics in troposphere, stratosphere and mesosphere using a high power and highly sensitive coherent pulsed Doppler VHF radar and Lidar facilities located at Gadanki, a northern hemisphere and lidar at Reunion islands, France, a southern hemisphere site and also to study the wave coupling processes in the MLT region over a tropical station, Gadanki/Tirupati, which is located in the Northern hemisphere. No study exists to the best of our knowledge dealing the wave coupling between lower and MLT region during cyclone activity. Since our location is close to the Bay of Bengal (BoB), many episodes exist where the effect of tropical cyclones originated over BoB have signatures of GWs in the observations made over Gadanki using MST radar and Rayleigh lidar. Since Meteor radar is added to fill the gap region of 70-110 km, the proposed study is timely and will contribute to the better understanding both vertical and latitudinal coupling particularly during disturbed conditions.

Objectives:

- Study the gravity wave characteristics in terms of time (frequency) and height (wave number), associated Potential Energy and their seasonal dependences based on large data set (14 years) using lidars located at Gadanki and Reunion Islands, Reunion.
- Study to estimate gravity wave vertical wave number spectra and to compare them with model spectra using Indian MST radar observations of zonal, meridional and vertical winds.
- Climatological characteristics of the middle atmospheric temperature structure and its relation to different aspects, like, stratopause, tropopause, temperature warming and cooling.
- To investigate the tropical cyclone generated GWs and their role in altering the MLT dynamics and mean circulation.
- Identifying the exact source for the generation of various GWs that are propagated to the MLT region using Ray tracing technique (vertical coupling).

OUTCOMES

- Long term variability of gravity wave activity are also needed in order to have a better idea about the gravity wave variability in the low latitudes which may improve the perceptiveness of climatic models and atmospheric dynamics in the middle atmosphere.
- Simulation and Modeling of atmospheric gravity waves generated due to synoptic scale and mesoscale convective events and their propagation characteristics both in horizontal as well as in the vertical direction will be very much beneficial for the improvement of convective gravity wave parameterization scheme.
- Convective gravity wave parameterization scheme is improved we will have improved forecast predictions of severe weather events such as thunderstorms, flash floods, cyclones thereby protecting the society from the convective weather disasters


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MICROMACHINING RESEARCH LAB

There has been a rapid growth in the development of harder and difficult-to-machine metals, composites and alloys during the last two decades. Conventional edged tool machining to micro level is uneconomical for such materials and degree of accuracy, surface finish attainable is poor. The micro scale manufacturing poses unique challenges with respect to machine tool design, development and the process dynamics. Micro systems find wide applications in bio-medical electronics, optics, micro-mechanics, micro fluidics, dies, moulds etc. Component parts used in these systems have feature dimensions in micrometers and part volumes less than 1mm^3 . Manufacture of these miniature components with high accuracy is a challenge. Further, Micromachining is defined as:

- Material removal at Micro/Nano level with no constraint on the size of the component being machined.
- Creating micro features or surface characteristics (especially surface finish) in the Micro/Nano level.
- Removal of material in the form of chips or debris having the size in the range of microns.

OBJECTIVES

The main objective of Micromachining research lab in the Department of Mechanical Engineering at Sree Vidyanikethan is to perform a feasible study of modeling material removal processes (machining) at micro level on Electro Discharge Machining, Wirecut EDM machines, CNC Milling and turning with special attachments and to explore diverse areas of Micro/Nano technology with the aim of identifying potential applications of interest. The principal objective of this Micromachining research lab is to:

- Perform a feasibility study of modeling material removal processes (machining) at the micro level and to explore diverse areas of Micro technology with the aim of identifying potential applications of interest.
- Machine alloys, composites at micron level surface finish on EDM (Electric Discharge Machining) for manufacturing micro components.
- Connect industry with academic world for collaboration with faculty and students.
- Provide solutions and technology transfer to support manufacturing industries.
- Explore the potential of manufacturing engineering in MEMS and NON-MEMS applications.
- To design and implement a complete solution for an inline topography measurement and analysis for monitoring before, during and after the micro machining.
- To identify the gap and perform a feasibility study of modelling and simulation of micro-machining for various applications.

DESCRIPTION OF THE LAB

The Micromachining research lab in the Department of Mechanical Engineering at Sree Vidyanikethan Engineering College, Tirupati draws upon expertise from academic faculty and interdisciplinary collaborative research and development group. With wide range of state-of-art high technology equipment and supported by specialist technicians/faculty of the department provides a unique opportunity to carry out activities from concept generation, simulation, micromachining extended to industrial applications and students/faculty research. The micromachining research laboratory facilities are continuously being enhanced to cater the ever expanding academic and research needs. The research lab is equipped with the latest technology incorporated micro machines, attachments and accessories to support production activities. The major equipment includes:

1. Electro Discharge Machine(EDM)
2. Wirecut EDM,
3. Micromachining attachment for micro milling
4. Micromachining attachment for micro turning
5. Trinocular Microscopes
6. Material Plus software
7. ANSYS Software
8. Rockwell Hardness Tester

9. Muffle Furnace
10. Mitutoyo surface roughness tester
11. Specimen development tools

EXPECTED OUTCOMES

1. Researcher will be able to develop knowledge driven micromachining and create high value products, materials, methods and processes.
2. Researcher will be able to machine to a micron level in developing MEMS and Non-MEMS devices.
3. Researchers will be able to develop and design special attachments to existing conventional machines to achieve surface finish at Micro/Meso levels.
4. Researchers will be able to apply their critical thinking skills and knowledge of engineering and technology to identify, analyze, and solve problems during the design, development, implementation and improvement phases of research projects.

THRUST RESEARCH AREAS

The Micromachining research lab builds research on the following three indigenous micro machines to design solutions to modern engineering challenges in MEMS and Non-MEMS and applies the Mechanical Engineering core strengths to key thrust areas of great current and future need.

1. Micro-Electro-Discharge Machining (ZNC)

Machining (micro-EDM) Micro EDM is a thermo-electric process for machining electrically conducting materials regardless of their mechanical properties. Being a noncontact process, micro-EDM is one of the best alternative methods that can be used for machining high aspect ratio 3D micro structures.

2. Micro-Wirecut Electro-Discharge Machining

Wire cut EDM machining is mainly used to process various punch die, plastic mold, Powder metallurgy mold and etc, which have 2D and 3D faces combined, or components. It can also

cut various sample plate, magnetic steel, Silicon Steel Sheet, semi-conductive material or precious metal. Furthermore, it is able to do tiny machining, abnormal shape groove or machining of standard defect of sample parts, widely used in electrics, precious machine tools, light industry, army industry and so on. The Wirecut Electric Discharge Machining (WEDM) is a variation of EDM and is commonly known as wire-cut EDM or wire cutting. In this process, a thin metallic wire is fed on-to the work piece, which is submerged in a tank of dielectric fluid such as deionized water. This process can also cut plates as thick as 300mm and is used for making punches, tools and dies from hard metals that are difficult to machine with other methods.

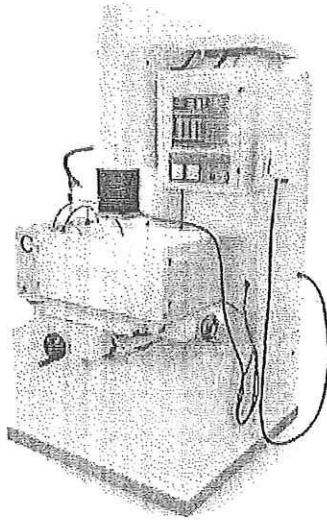
3. Tool based Mechanical Micromachining

The micro-products and micro-components are used in many industries especially related with micro-electromechanical, aerospace, medical, environment, biomedical and biochemical industries etc. Tool based mechanical micromachining technology is gaining importance in Micro-Electro Mechanical System device fabrication because of its ability to machine 3D micro features on different engineering materials. Micromachining with mechanical cutting tools is capable of producing high profile accuracy, surface finish quality, and sub-surface integrity at a reasonable cost. It is the primary choice amongst various manufacturing processes in fabricating micro components. Micro cutting and micro grinding are two typical micro mechanical machining processes that employ a defined cutting edge and an undefined cutting edge respectively. Many manufacturing methods have been developed to produce these micro-sized products, namely micro electro mechanical system (MEMS) based processes such as dry etching, lithography, electroplating, ultraviolet - lithographie galvanofornung abformung (UV-LIGA), non-conventional based micro-machining such as micro- electron discharge machining (EDM), and mechanicalmicro-machining Mechanical Micro-machining

RESEARCH FACILITIES

The mechanical micromachining research lab at Sree Vidyanikethan is established in an air-conditioned environment within an area of 900 sq ft. with machining, computing, characterization and data acquisition facilities.

1. EDM (ZNC)



Special Features

Travel X x Y x Z : 300 x 200 x 250 mm

Work tank : 800 x 500 x 350 mm

Programmable Z axis

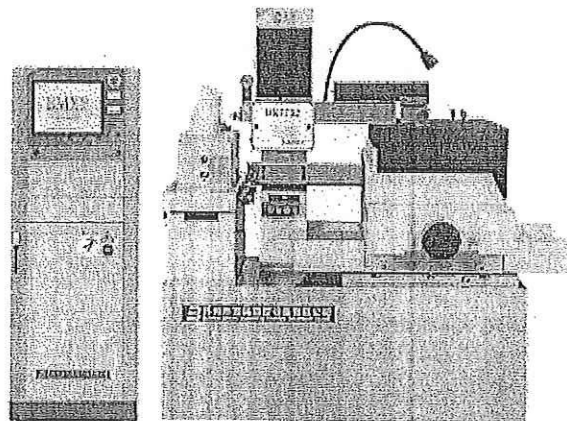
99 programs, 50 steps per program

Hand-held remote control

Built-in 'Ez - GURU'

Head orbital (optional)

2. Wire EDM



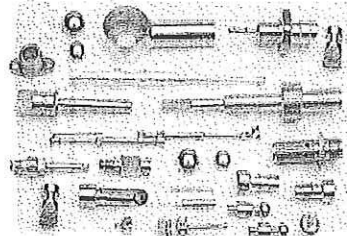
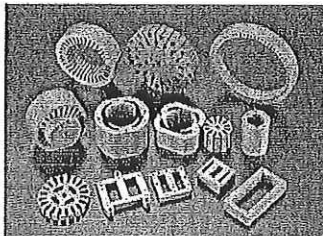
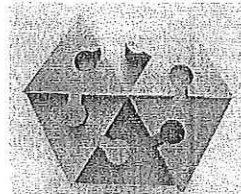
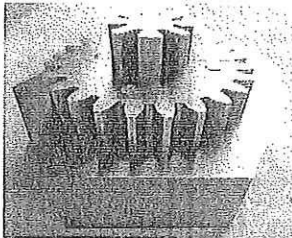
Specification of the Machine

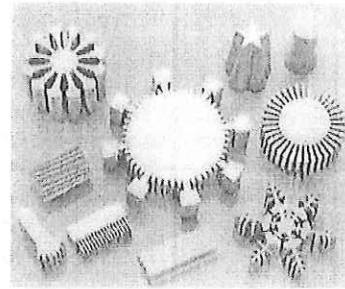
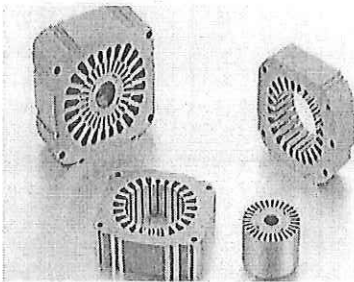
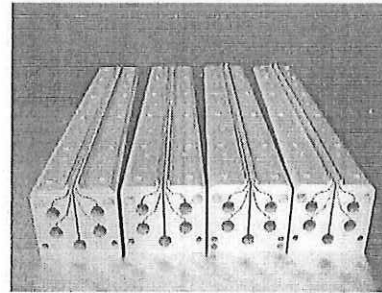
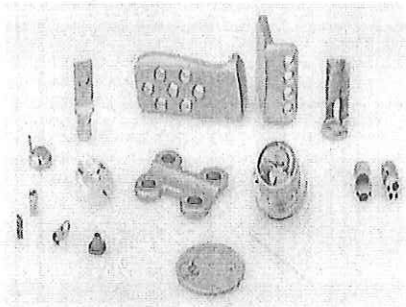
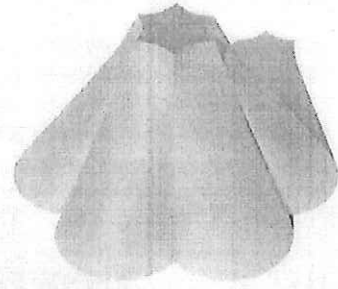
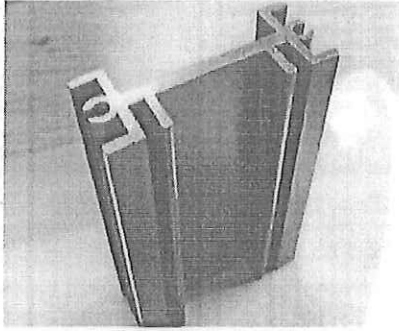
- Table Travel X,Y Axis (mm) • 250 x 320
- Work Table Size L x W (mm) • 380 x 525
- Maximum Work Piece Thickness (mm) • 300
- Maximum Taper / 100 mm Thickness • $\pm 3^\circ$ (Standard)
- Maximum Work Piece Weight (kgs) • 300
- Machine Weight (kgs) • 1600

Standard Features

- Maximum Speed - 80mm²/Min.*
- Machining accuracy - 0.01mm *
- Best Surface Finish - Ra 1.25 to 1.75 *
- A.C. - Not Required up to 40° C
- BMXP pm-k system software controller works on Windows 7 operating platform
- Inbuilt database for cutting different materials.
- Coolant filtering system - Fine stainless steel wire mesh for coolant filter
- No need to change wire guide for different diameters
- Two axis DRO (Std.)
- 4-Axes synthesizer to cut different profiles at top and bottom
- Auto centre and auto stop at the end of the job

Possible types of profiles machined to EDM(ZNC) and Wirecut EDM





Lab Coordinator: **Dr.S.Ragunathan**

Dr. K.C. VARAPRASAD
Professor & Head
Dept. of Mechanical Engineering
Sree Vidyanikethan Engineering College
TIRUPATI - 517 102

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



JAWAHAR LAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515 002 (A.P)
RESEARCH & DEVELOPMENT

Prof.S.V.Satyanarayana
Ph.D., (ITK)
Professor of Chemical Engg. &
Director.

To
The Principal
Sree Vidyanikethan Engg. College
Sree Sainath Nagar, A.Rangampet,
Tirupathi - 517 102.

Rc.No. JNTUA/R & D/Ph.D/ Recognition/permission/2016-17
Dt. 22.12.2016

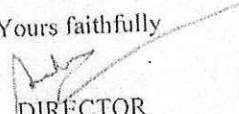
Sub: JNTUA - R & D - Ph.D - Recognition as Research Centre - ECE
EE, & CSE. - permission - Annual fee - requested - Reg.

It is informed that your Institution is provisionally selected as Recognized
Research Centre in the following disciplines for Ph.D. (Full Time) programme under JNTUA.

1. E.C.E.
2. Electrical Engineering
3. C.S.E.

Therefore, you are requested to send the demand draft for Rs.75,000/- (Rupees
seventy five thousand only) drawn in favour of the Registrar, JNTUA, Ananthapuramu towards
annual fee for the above disciplines.

Yours faithfully


DIRECTOR

D37
A



JAWAHAR LAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR
ANANTHAPURAMU - 515 002 (A.P)
RESEARCH & DEVELOPMENT

Prof.S.Krishnaiah
Ph.D.
REGISTRAR.

To

The Principal
Sri Vidyanikethan Engineering College
Sri Sainath Nagar
A-Rangampet, Chandragiri Mandal
Near Tirupathi - 517 102.



Rc.No. JNTUA/R & D/Ph.D/ RRC/Annual Registration fee/2014-15
Dt. 13.03.2015

Sir,

Sub: JNTUA - R & D - Recognition of Research Centre - Ph.D.
Programme - Annual Registration fee - requested - Reg.
Ref: 1) Note submitted by the Director, R & D, JNTUA, Ananthapuramu,
Dt.4.3.2015.
2) Note orders of the Vice-Chancellor dt.9.3.2015.

It is informed that your Institution has been recognized as Research Centers for Ph.D. programme (Full-Time) from the academic year 2013-14 in the discipline of (1) ECE (2) Electrical Engineering.

As per the note orders of the Vice-Chancellor, the Recognized Research Centre has to pay the annual registration fee of Rs.10,000/- (Rupees ten thousand only) for each department to the University before commencement of the every academic year.

Therefore, it is requested to pay an amount of Rs.40,000/- (Rupees forty thousand only) as registration for the academic year 2013-14 & 2014-15 by way of demand draft in favour of the Registrar, JNTUA, Ananthapuramu payable at JNTUA EC Branch (2723), Ananthapuramu.

Yours faithfully,


REGISTRAR

Nanoelectronics Lab

Objective:

To provide advanced and sophisticated equipment to researches who are working in the field of synthesis/fabrication of nanomaterials and nanoelectronics devices

Facilities

- **Thermal evaporation Unit** Hind High Vac. BC300
- **Spin coater** SPEKTRON Instruments Inc
- **Tubular furnace**
- **Vacuum Oven**
- **I-V Parameter analyzer**

Research Areas

The following advanced research areas are focused in this lab:

- Fabrication and characterization of high speed electronic devices based on the ZnO nanostructure e.g. MESFET, Schottky diode etc.
- Fabrication and characterization of high speed electronic devices based on the SnO₂ nanostructure e.g. MESFET, Schottky diode etc.
- Fabrication and characterization of high speed electronic devices based on the SnO₂ nanostructure e.g. MESFET, Schottky diode etc.

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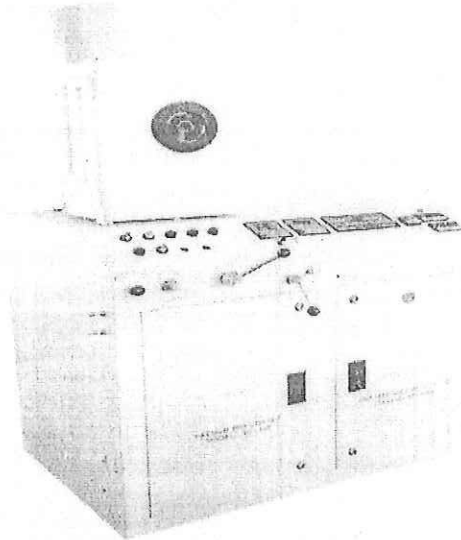
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➤ **Thermal evaporation Unit Hind High Vac. BC300**

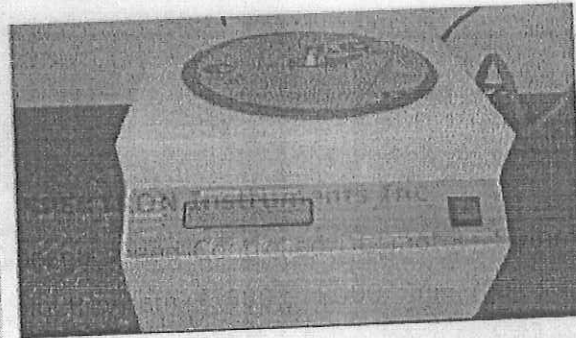
The vacuum chamber is made out of non magnetic stainless steel grade, AISI-304. D shaped chamber with water cooling having dimension (Approx.) 400mm (W) X 400mm (D) X 500mm (Ht). A front opening quick access door is provided for loading & unloading of the substrates. One high vacuum compatible, toughened glass view port provided on the front door. One set of thin stainless steel sheet liner to prevent the deposition on the chamber wall. Chamber is provided with ports to connect diffusion pump, rotary pump and gauges. Chamber is also provided with ports for evacuation, vacuum measuring gauge heads, gas feeding valves, etc. Chamber base plate is provided with necessary required Feedthrough ports for mounting magnetron sources, shutters etc. The chamber, all stainless steel components & sub-assemblies are electro-polished.

HHV make direct drive Rotary vacuum pump model FD-12 having a displacement capacity of 200 lit/min (12 m³/hr) giving an ultimate vacuum of 1×10^{-3} m.bar under no load condition on Mcled gauge with gas ballast in fully closed condition



➤ **Spin coater SPEKTRON Instruments Inc**

Actuator: PID based speed Controlled DC motor; Spinning speed max 8,000 RPM; Spin Program - 500 - 8000 RPM Multistep RPM / Time programming Speed accuracy - $\pm 0.1\%$ Time Prog : 10 - 1200 secs. Display - 2 Line LED digital display.of Real time Rpm / Time Spinning disk size - 50mm Various substrate sizes - 0.5 ,1 ,up to 2 inch Gas purging facility available as standard + V



➤ **Tubular furnace**

Furnace type :Horizontal Tube Type Furnace Overall Dimension :75 mm dia x 600 mm Length Hot Zone Length : 300 mm Isothermal Zone :~ 300 mm Max. Operating Temp. 1000 deg C Insulation : Imported high density high alumina content vacuum forming board. Accuracy :+/- 2 deg C Thermocouple : K type thermocouple of suitable diameter & length for controlling temperature. Max. Power Cons. :3000 Watts Heating Element :Kanthal A1 Control Panel Programmable Temperature Controller Tale make or Equivalent. 8 x 2 = 16 Programs along with Thyristor Pls not We have not Quoted for Quartz Tube.



➤ **Vacuum Oven**

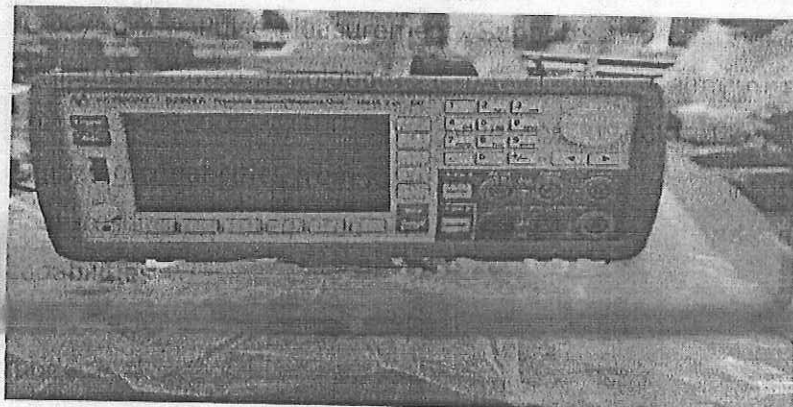
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➤ **I-V Parameter analyzer**

Keysight(Agilent) B2902A 736,131.00.

Specifications: Precision Source/Measure Unit, 2 ch, 100 fA, 210 V, 3 A DC/10.5 A Pulse Measurement, Supports two-channel configuration, Minimum source resolution: 1 pA /1 μ V, Minimum measurement resolution: 100 fA/100 nV, Arbitrary waveform generation and digitizing capabilities from 20 μ s interval.

- Features:
1. Integrated 4-quadrant source and measurement capabilities
 2. The 4.3" color display supports both graphical and numerical view modes
 3. Free application software to facilitate PC-based instrument control,
 4. High throughput.



➤ **Magnetic Stirrer**

1MLH Magnetic stirrer 1Liter capacity with hot plate and digital speed indicator.

Make: Remi



➤ **Ultrasonicator**

Model: LMUC-4 Digital Ultrasonic Cleaner Tank & Outer body are of SS. Ultrasonic: 40 ± 3 KHz. Heating: ambient to 80C digital. Timer: 5-60min digital.

Make: Labman Tank Size: 235x135x150mm, Capacity: 4Li

Lab Incharge

A. B. Yadav
Dr. A. B. Yadav

P. C. C. Rao
HEAD
Department of PCE
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(AUTONOMOUS)
Sree Sainath Nagar, Tirupati-517102 (A.P.)

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

ANTENNA RESEARCH LAB (ARL)

Main aim of the proposed initiative is to strengthen the activities in the field of Antenna systems & Propagation (A&P) within the department of Electronics and Communication Engineering. The role of lab can be further strengthened when Antenna lab is a Strategic Research Area (SRA) within the Sree Vidyanikethan Engineering College (SVEC).

Antenna lab focuses on the domain of Antenna systems & Propagation (A&P), including theory, experiments and applications. By cooperating with related disciplines such as signal processing, electronics, material sciences and mathematics - new breakthroughs can be created that will enable improvements in existing applications and will enable new application domains.

A&P play a key role in today's society. The number of wireless devices and application domains are growing exponentially. It is crucial to maintain and further expand our strong expertise in SVEC in the domain of A&P. This requires top-research in this domain that attracts talented students.

Research lab also will drive and align the academic research in A&P in SVEC. This should generate the required manpower and experimental facilities. In addition, Lab accomplishments will also be presented in various forums (eg. National and International conferences, workshops, etc). Hence, it will also provide an improved visibility on national and international level. ARL will support national industries, and research centers in R&D related to the field of A&P. In addition, ARL will help to develop human resources at master and Ph.D. levels.

Antenna systems and the associated propagation channel form an essential element in any system that makes use of electromagnetic waves. For the year 2020 the World Wireless Research Forum estimates that 7 trillion wireless devices will serve about 7 billion people, not only in telecommunication systems but also in new application areas such as IoT, e-health, traffic management and smart buildings. People will be served by

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many wireless devices, sensors and tags (e.g. in transport and weather systems), providing ambient intelligence and context sensitivity. This fast growth can only be enabled by developing smart antenna systems that can combat for spectrum and energy efficiency at low-cost and small size and can operate in variable embeddings (e.g. chip packaging or human body). The performance is also expected to increase significantly. Based on Edholm's law (increase of bandwidth by factor 2 each 18 month), we can expect Tbit/s data rates in wireless communication 10-15 years from now. This will require new concepts with electronic beam steering, operating at much higher frequencies as of today (e.g. 60 GHz up to THz). Also breakthroughs in other disciplines, like material sciences and nanostructures, will enable new antenna concepts.

Presently, most communication systems in the world are based on Wireless Systems, where Antennas are playing a vital role. In this context, Antennas form an interdisciplinary technology which covers electrical, electronics and communications engineering for various applications like IOT, smart buildings/cities, novel materials and their applications, etc.

The main **objective** of the centre is to coordinate and facilitate strategic collaboration and linkage between various research units, educational institutions, industrial sector by undergoing innovative application oriented research in the area of Antennas.

Based on the recommendations, the Institution was sanctioned an amount of Rs. 15 lakhs. An amount of Rs. 9.0 lakhs was released during the Academic Year 2017-18 to augment research facilities. **FIKO Simulation Software** was procured and installed. Students of UG, & PG are undertaking project works, PhD Scholars and Faculty are doing research by utilizing Simulation Software and EMI/EMC setup.

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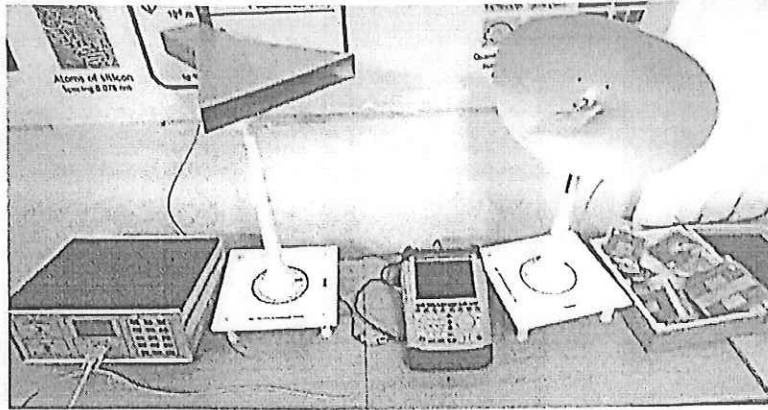
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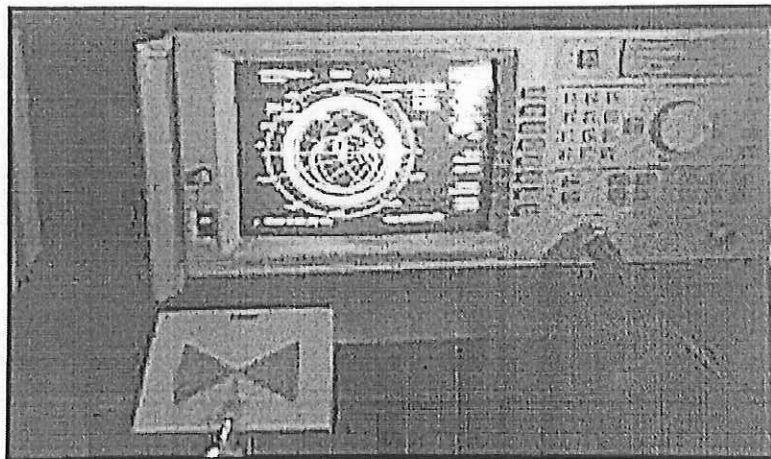
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Equipment photos/ Developed devices



Complete EMI/EMC Setup



Characterization of the Developed Bow-Tie Antenna

Lab In-charge

(Dr.V.R.Anitha)

HOD, ECE

Principal

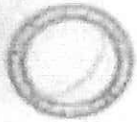
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Challenging today's world with tomorrow's Cyber Security and Security Standards

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

Sree Sainath Nagar, A.Rangampet, Tirupathi-517102



Department of Computer Science and Systems Engineering

Cyber Security and Cryptology Research Lab

Vision

To be identified as a prominent Cyber Security and Cryptology Centre for carrying out Research and Development.

Mission

The Cyber Security and Cryptology Research Lab of Sree Vidyanikethan Engineering College (Autonomous) will identify and address the grand challenges in Cyber Security and Privacy.

Educate and train students through professional degree and life-long learning programs.

Objectives

1. Implementation of existing ciphers
We will implement popular ciphers like DES, AES, IDEA, SIMON, SPECK, RSA, SALSA etc.,
2. Development of tools for cryptanalysis of the ciphers
We implement the existing attacks from the literature on the above mentioned ciphers.
3. Design, Development and analysis of new cryptosystems
We will develop new cryptosystems with security analysis
4. Cyber security education and awareness
To create awareness on cyber threats and educate the users to safe guards their infrastructure.
5. Research in Intrusion Detection
6. Training in Malware Analysis, Vulnerability Assessment and Penetration testing
7. R&D in cryptology and Cyber Security

Equipment

Hardware:

Desktops
i5/i3 with 16GB RAM, 1TB HDD, 19" Monitor

Software:

Ubuntu 16.04 -- 16nos
NS2
Virtual Box
OLLYDBG
IDAPRO

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Cyber Security & Cryptology Research Lab



Students working in Research Lab



Lab Incharge: Dr. M. Naresh Babu

Praveen
HOD, CSSE
HEAD

Department of CSSE
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P. Chalapathi
PRINCIPAL
PRINCIPAL

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Chittoor (Dist.) - 517-102, A.P., INDIA.

DATA ANALYTICS RESEARCH LAB

<p>Objectives of the lab</p>	<ul style="list-style-type: none"> To promote interdisciplinary research and to provide excellent opportunities for the faculty and students to endeavor innovations in Data Science and cloud computing areas. To conduct advanced Research & Development in Data Science and Cloud Computing and to solve the issues of Social Networks, Agriculture and Healthcare domains. To serve as a nodal lab of this region by extending facilities of Data Analytics and Cloud Computing tools to other Institutions. 																
<p>Facilities Available in the Lab</p>	<p style="text-align: center;">Desktop Systems – 20 No.s</p> <p style="text-align: center;">Hardware Configurations</p> <table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">EQUIPMENT</th> <th style="width: 50%;">MODEL</th> </tr> </thead> <tbody> <tr> <td>• Processor</td> <td>intel i5 – 7th Generation 3.00 GHZ</td> </tr> <tr> <td>• Motherboard</td> <td>Lenovo 3102 Model</td> </tr> <tr> <td>• RAM</td> <td>DDR4 12 GB RAM</td> </tr> <tr> <td>• Hard Disk</td> <td>1 TB Seagate-Blue</td> </tr> <tr> <td>• Monitor</td> <td>19.5 inch TFT LCD</td> </tr> <tr> <td>• Cabinet</td> <td>Lenovo V520</td> </tr> <tr> <td>• Keyboard + Mouse</td> <td>Lenovo</td> </tr> </tbody> </table> <p style="text-align: center;">List of Software</p> <ul style="list-style-type: none"> • WEKA 3.8.1 • XAMPP 5.6 • R STUDIO 1.1.4 • PYTHON 3.5 • ORACLE DATABASE 10G EXPRESS EDITION 10.2 • ANDROID STUDIO 1.0 • MONGO DB 3.2 • ARGO UML 0.34 • R for WINDOWS 3.4.1 • APACHE TOMCAT 7.0 • JAVA 8.0 • ECLIPSE JAVA EE IDE OXYGEN.3a Release (4.7.3a) • BOSS Linux 3.14 • Anaconda 5.2 • TensorFlow 1.9 • Keras 2.2.0 • Deepy 0.2.1 • Gensim 0.13.4 • PyML 7.3 • Pandas 0.22.0 • Matplotlib 2.2.2 • NumPy 1.11.3 	EQUIPMENT	MODEL	• Processor	intel i5 – 7th Generation 3.00 GHZ	• Motherboard	Lenovo 3102 Model	• RAM	DDR4 12 GB RAM	• Hard Disk	1 TB Seagate-Blue	• Monitor	19.5 inch TFT LCD	• Cabinet	Lenovo V520	• Keyboard + Mouse	Lenovo
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• Keyboard + Mouse	Lenovo																

K. Raj
HOD, IT
HEAD

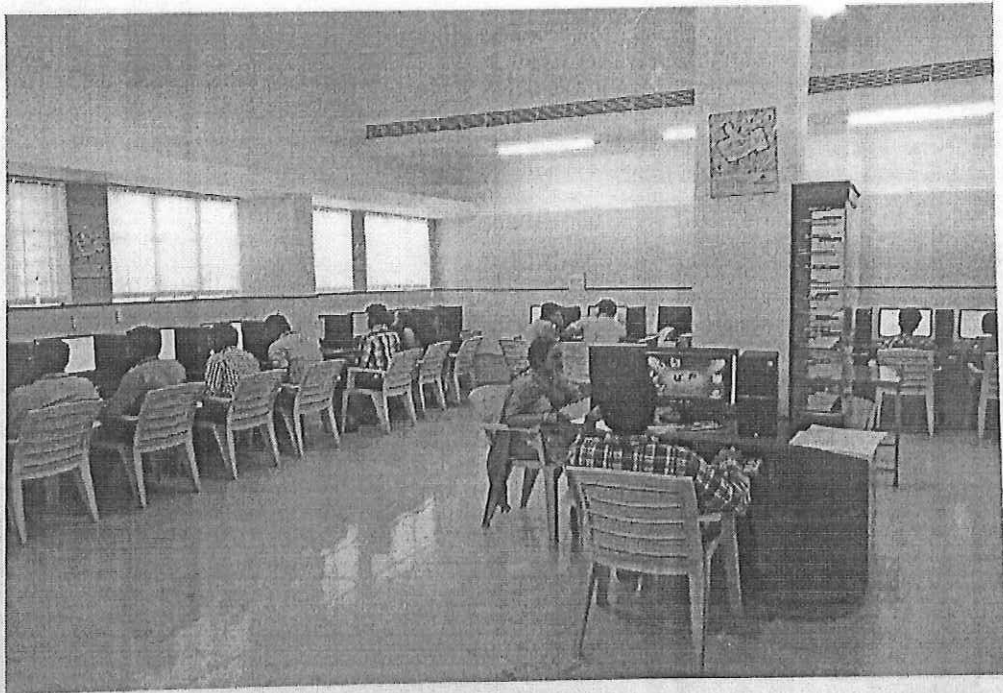
Department of Information Technology
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Sree Sarathi Nagar, A. Rangampet
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Name of the Coordinator	Dr. D. Obulesu, Associate Professor, Dept. of IT, SVEC
Total Number of Members	22
	<ol style="list-style-type: none"> 1. Dr. L. V. Reddy, Professor, IT 2. Dr. A. Srinivasulu, Professor, IT 3. Dr. K. K. Baseer, Assoc. Professor, IT 4. Dr. Vellingiri J, Assoc. Professor, IT 5. M. Thrilok Reddy, Asst. Professor, IT 6. M. Mahendra, Asst. Professor, IT 7. Ch. Prathima, Asst. Professor, IT 8. Ch. Sreenu Babu, Asst. Professor, IT 9. K. Lakshmi Prasanna, Asst. Professor, IT 10. G. M. Chanakya, Asst. Professor, IT 11. S. Bharath Bhushan, Asst. Professor, CSSE 12. B. Tharakeswara Raju, Asst. Professor, CSSE 13. Dr. G. Sunitha, Professor, CSE 14. Dr. J. Avanija, Assoc. Professor, CSE 15. Dr. K. Reddy Madhavi, Assoc. Professor, CSE 16. Dr. B. Uma Maheswara Rao, Assoc. Professor, CSE 17. Shaik Salam, Assoc. Professor, CSE 18. Dr. M. Lavanya, Asst. Professor (SL), MCA 19. M. Sowmya Vani, Asst. Professor, MCA 20. A. R. Kishore Kumar, Asst. Professor, MCA 21. Y. Kiran Kumar, Asst. Professor, MCA



Data Analytics Research Lab

K. Rao
**HOD, IT
 HEAD**

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 TIRUPATI - 517 102 (A.P.)**

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 Chittoor (Dist.) - 517 102, A.P., INDIA.**

Bio-Signal Research Laboratory

The Research lab was established with a motive of augmenting research activities in the field of Biomedical Engineering. In this regard, state-of-the-arts facilities are being provided at the laboratory for the benefit of the researchers.

Objectives:

- To educate/motivate the students to be significant contributors in health care, research and development in biomedical instrumentation.
- To motivate faculty to carry out research in the fields of biomedical instrumentation /Signal processing.
- To promote interdisciplinary research.
- To contribute the society by improving the health standards of the public.

Facilities

- ECG System -Recording and Analysis (Real time)
- EEG System -Recording and Analysis (Real time)
- EMG System -Recording and Analysis (Real time)
- EPR System- EPR Simulator
- BP Calibration and Measurement System
- Electrical Safety Analyzer

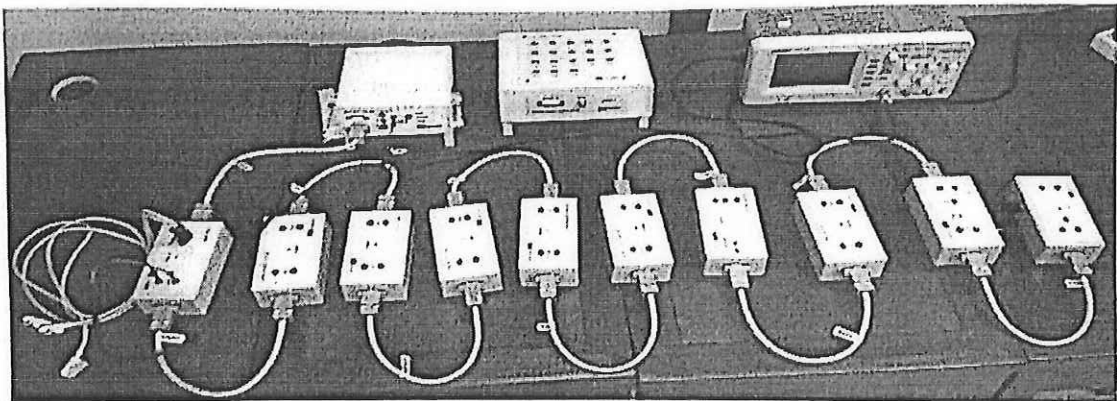
Research Areas

The following research areas are focused in this lab:

- Bio-Signal feature extraction.
- De-noising of Bio-Signals with statistical approaches.
- Compression of Bio-Signals.

- **ECG System -Recording and Analysis (Real time)**

ECG Heart Rate Alarm System



Modules:

- a) ECG Amplifier
- b) Low Pass Filter
- c) QRS Filter
- d) QRS Detector
- e) Refra Generator
- f) Synch Generator
- g) F to V Converter
- h) DVM
- i) Audio Buzzer
- j) High Alarm
- k) Low Alarm
- l) HRV
- m) Battery Power Supply

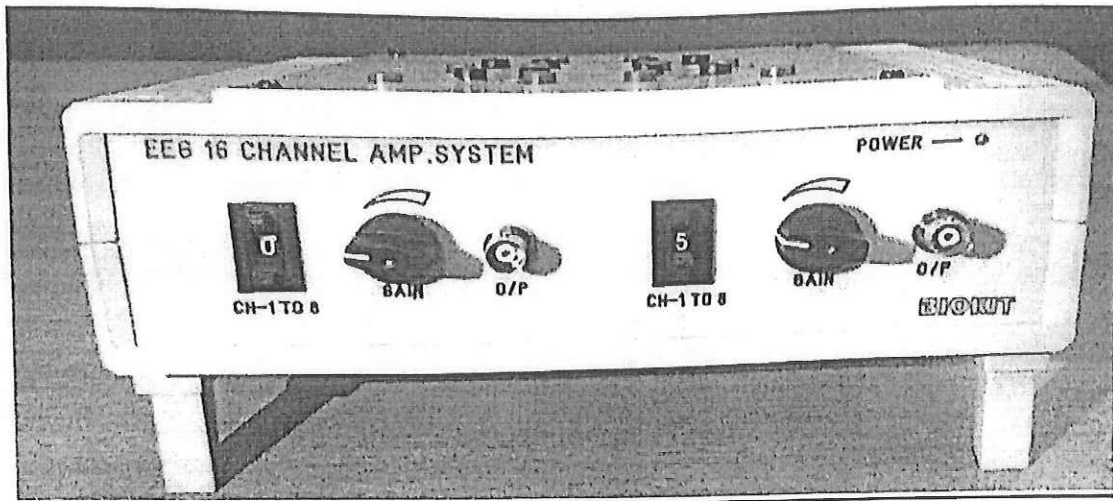
Arrhythmia Simulator



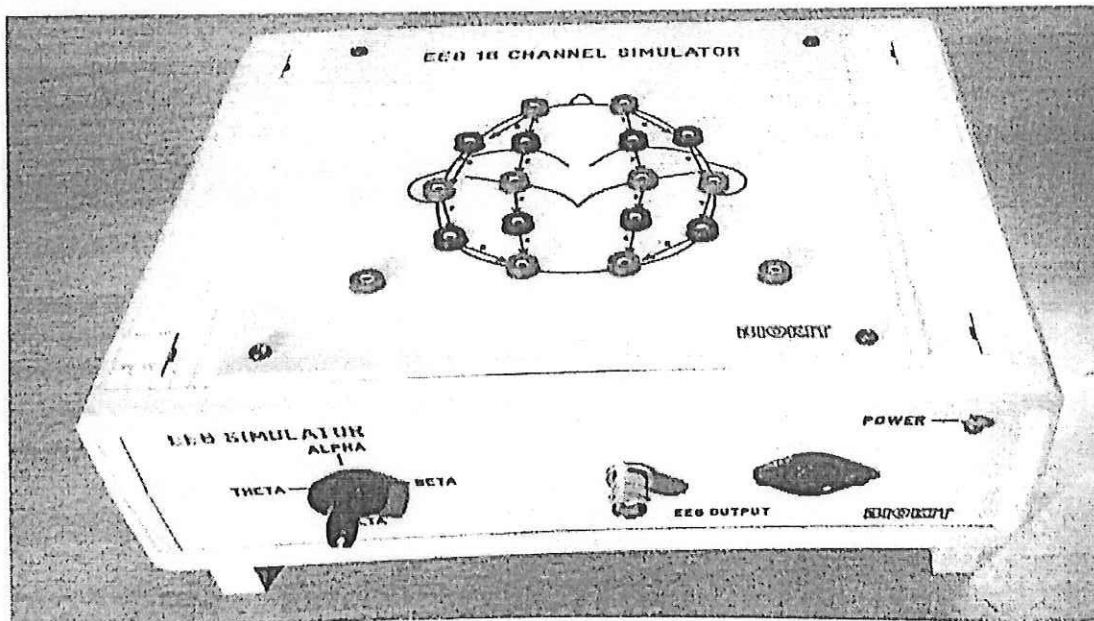
ECG is used on purpose to keep good health or monitor cardiac function of aged person as well as on purpose to diagnose the disease of heart patients. These systems can detect the temporary change of ECG that is very significant to diagnose heart disease such as myocardial ischemia, arrhythmia and cardiac infarction. ECG System monitor and plot the output waveform for each module on the same time axis and understand the relationship between them And also study various Arrhythmias associated with ECG using Arrhythmia Simulator.

➤ EEG System -Recording and Analysis (Real time)

16 Channel EEG Amplifier System

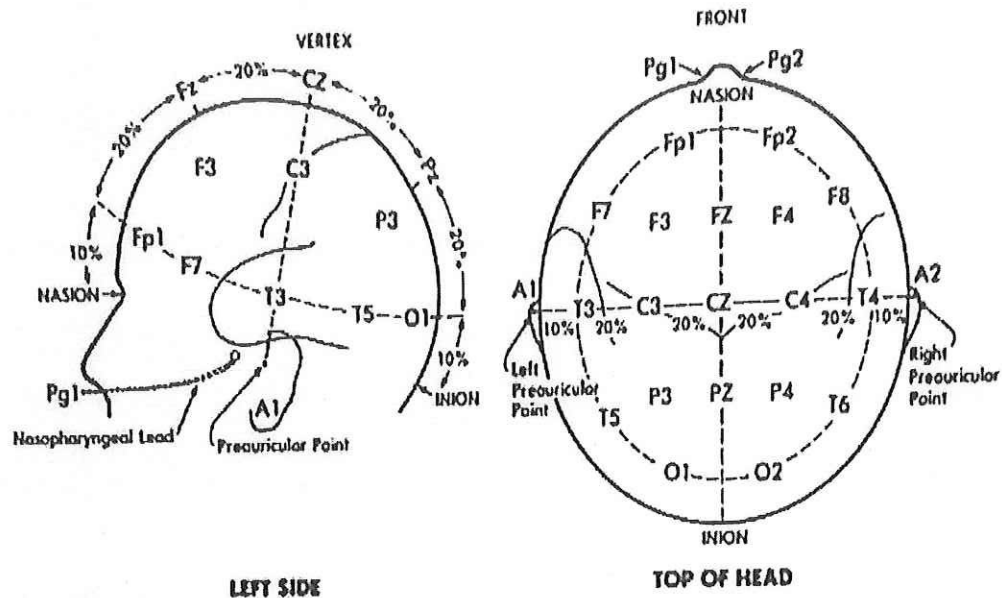


16 Channel EEG Simulator



In electroencephalography, the electrodes are placed in an arrangement referred to as the 10-20 system. This is a placement scheme devised by the International Federation of Societies of Electroencephalography.

- The electrodes are placed along a line drawn on the skull from the root of the nose, the nasion, to the inion ossification (bump on the occipital lobe).
- The first mark is placed 10% of the distance along this line and others are arranged at 20% intervals.

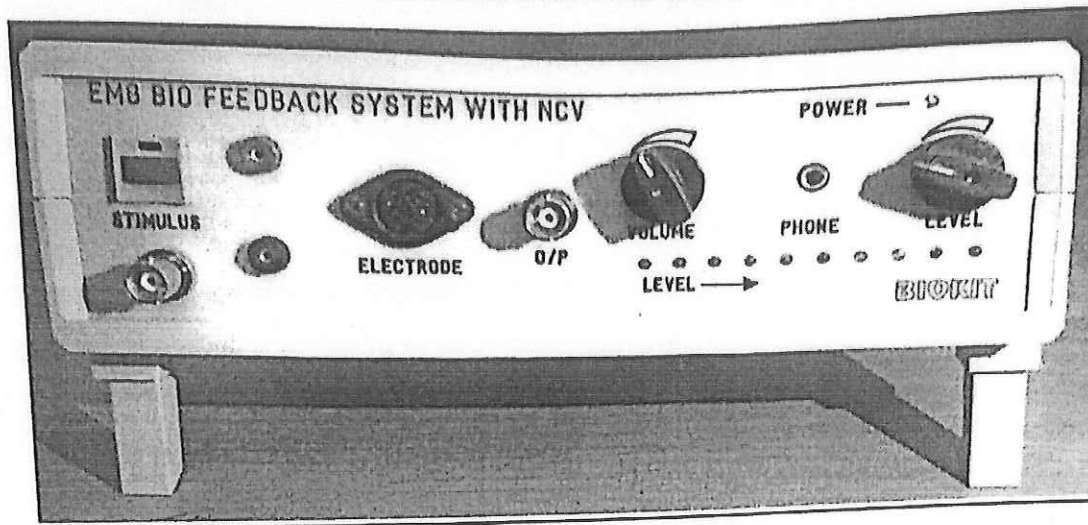


Diagrammatic representation of the International 10-20 system for EEG electrode placement on the scalp.

EEG Signals are used to diagnose Epilepsy, Sleep Disorders, Coma, Encephalopathies and Brain Death. Derivatives of the EEG technique include Evoked Potentials (EP), which involves averaging the EEG activity time-locked to the presentation of a stimulus of some sort (visual, Somatosensory or auditory). Event Related Potentials (ERPs) refer to averaged EEG responses that are time-locked to more complex processing of stimuli; this technique is used in Cognitive Science, Cognitive Psychology and Psychophysiological research.

➤ **EMG System -Recording and Analysis (Real time)**

EMG System for Nerve Conduction Velocity Measurement

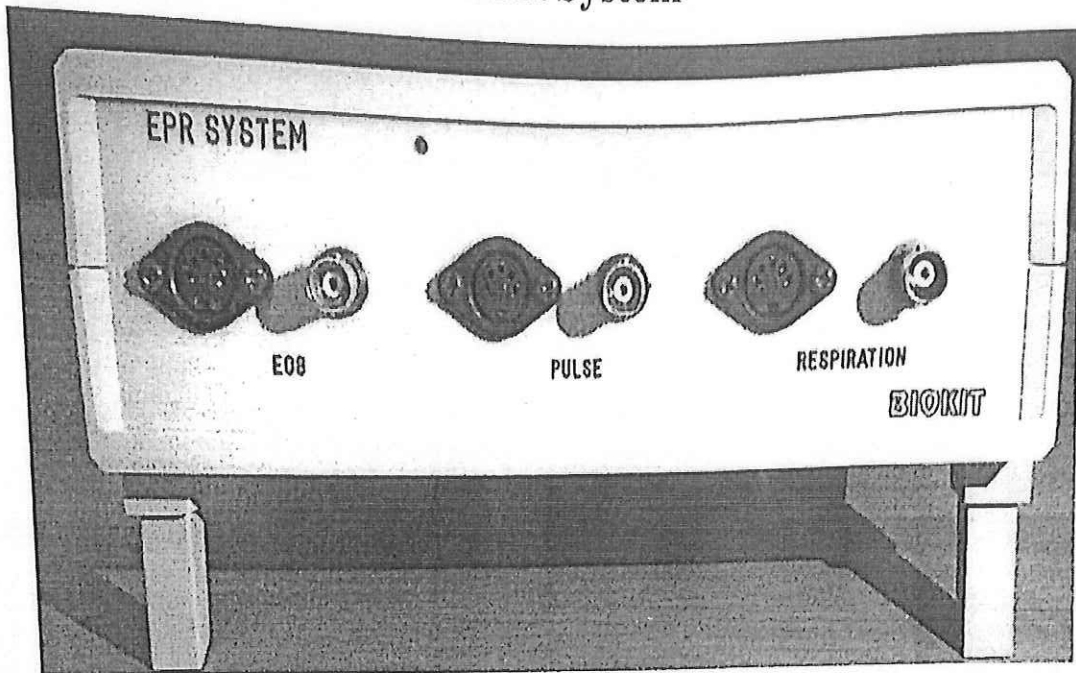


EMG is very useful for studying the neuromuscular function, neuromuscular condition, reflex responses and extent of nerve lesion and diagnosing the muscular diseases like myasthenia gravis which can produce highly damped impulses during contraction of the muscles due to too rapid fatigue of the neuromuscular synapses. To record the action potentials of individual motor units, the needle electrode is inserted into the muscle. Thus EMG indicates the amount of activity of a given muscle or a group of muscle and not an individual nerve fiber. Thus EMG appears, very much like a random noise wave form. The contraction of a muscle produces action potentials. When there is stimulation to a nerve fiber, all the muscle fibers contract simultaneously developing action potentials. In a relaxed muscle, there is no action potential. The nervous system is both the controlling and communications system of the body. This system consists of a large number of excitable connected cells called neurons that communicate with different parts of the body by means of electrical signals, which are rapid and specific.

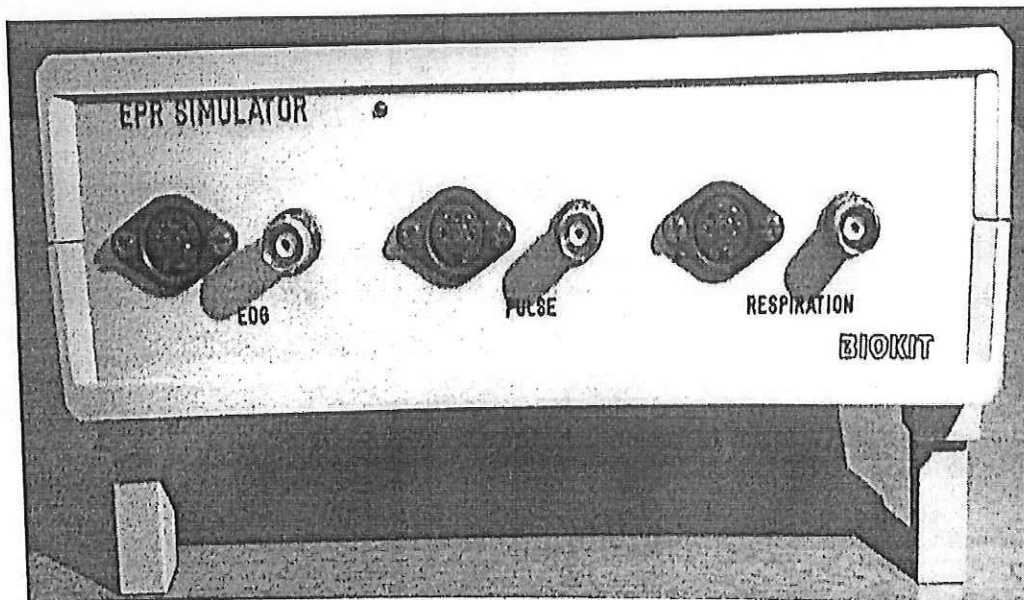
EMG signals can be analyzed to detect medical abnormalities, activation level, to analyze the Biomechanics of Humans.

➤ EPR System-EPR Simulator

EPR System



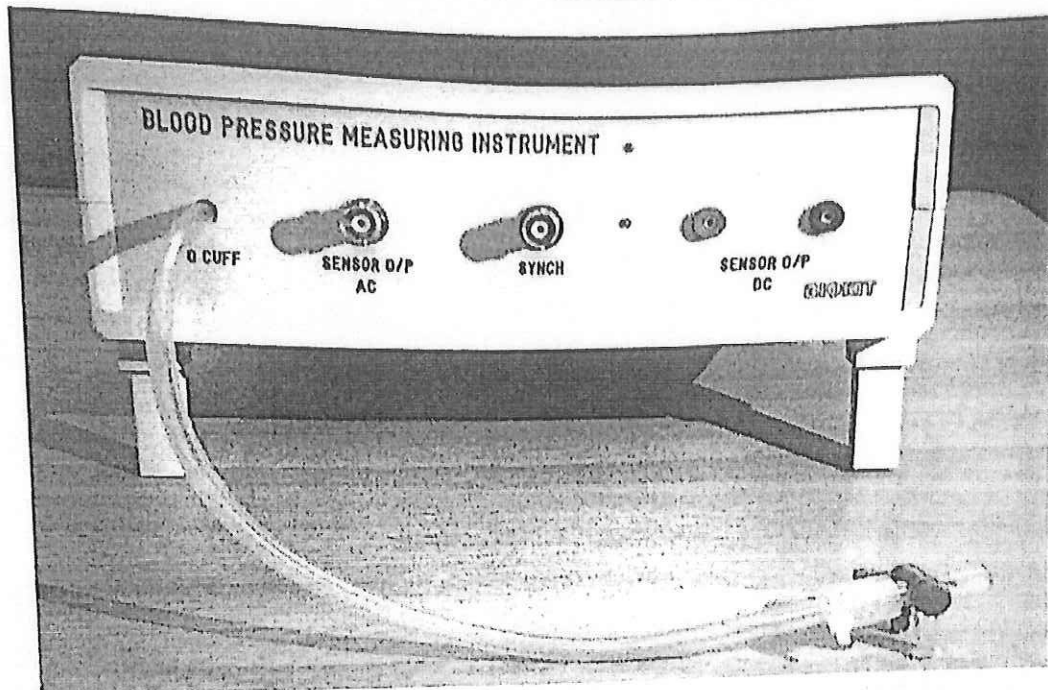
EPR Simulator



The EPR simulator outputs from each parameter can be fed as an input to the EPR Amplifier System, to the respective Amplifier.

➤ BP Calibration and Measurement System

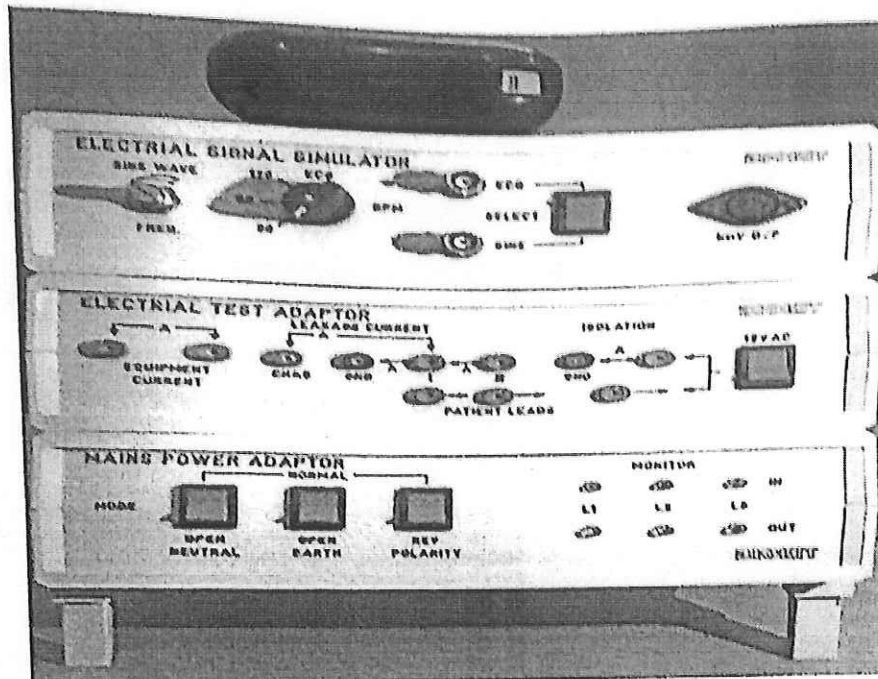
B.P. Measurement System



The standard location for blood pressure measurement is the brachial artery. Monitors that measure pressure at the wrist and fingers have become popular, but it is important to realize that systolic and diastolic pressures vary substantially in different parts of the arterial tree with systolic pressure increasing in more distal arteries, and diastolic pressure decreasing. BP is measured with the patient lying down or sitting. The cuff is placed on the arm in advance (1-2 min. without any inflation, - vascular and neural adaptation). Measurements are carried out with the patient sitting, his arm at an angle of 45° held against the chest. The cuff should be at the level of the heart. Ensure that the cuff is placed onto the upper arm tightly, while completely deflated. The cuff should take up 40% of the upper arm volume.

➤ Electrical Safety Analyzer

Electrical Safety Analyzer consists of 4 Modules:-



An Electrical safety analyzer is a device dedicated to a various range of electrical safety tests in order to check that the device under test is in compliance with electrical safety requirements.

The typical tests an electrical safety analyzer does are:

- Ground continuity test
- Insulation test
- High voltage test
- Line leakage test

Lab Incharge

Y. Dileep Kumar
Dr. Y.Dileep Kumar

[Signature]
HOD-EIE

P. Chalapathi
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Sree Sainath Nagar, Tirupati - 517 102, A.P.
DEPARTMENT OF CIVIL ENGINEERING

Water and Environment Research Center

Based on the recommendations, the Institution was sanctioned an amount of Rs. 20 lakhs. An amount of Rs. 6.98 lakhs was released during the Academic Year 2017-18 to augment research facilities. Aquachem software and Visual Modflow Software were procured and installed. Double Ring Infiltrometer, Water Level Indicator, Weather Monitoring Station, 5 in 1 Multi Enviro-meter and Ambient Fine Dust Sampler were purchased. Students of UG are undertaking project works and Faculty are doing research by utilizing Software and Equipments.

Name of the Research Lab	:	Water and Environment Center
Name of the Coordinator	:	Dr. M.V.Subba Reddy, Assistant Professor & Head, Dept. of CE, SVEC
Total Number of Faculty Members in the Team	:	10 1. Dr. M. V. Subba Reddy Asst. Professor & Head 2. Dr. D. Sreenivasulu Assoc. Professor 3. Dr. Hemadri Prasad Raju Assoc. Professor 4. Mr. D. Srinivasa Murthy Asst. Professor 5. Mr. B. Hari Krishna Asst. Professor 6. Mr. P. Anil Kumar Asst. Professor 7. Mrs. C. Anjali Asst. Professor 8. Mr. B. Sudhakar Asst. Professor 9. Mr. K. Sandeep Kumar Asst. Professor 10. Dr. M. Kesavulu Assoc. Professor, Dept of GEBH
Aim of the Research Lab	:	To provide a platform for multidisciplinary research and consultancy through a collaboration and linkage between various research units, educational institutions and industries in the area of Water and Environment.

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Andhra Pradesh - 517 102

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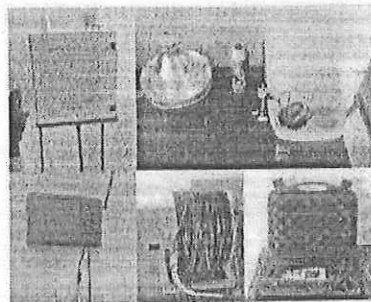
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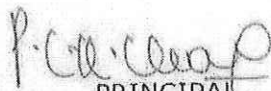
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📧 svecp@vidyanikethan.edu

Objectives of the Cluster	: a) To carry out research on quality of water, air and noise b) To offer consultancy services for various industries with regards to treatment of their effluents, solid waste and air pollution. c) To carry out research on reusability studies on industrial wastewater and solid waste. d) To carry out research on renewable energy like biogas generation To offer consultancy services with regards to availability of ground water and its quality.
Facilities Available in the Centre	: Softwares: 1. Aquachem Software 2. Visual Modflow Software Equipment: 1. Double Ring Infiltrometer 2. Water Level Indicator 3. Weather Monitoring Station 4. Multi Enviro-meter 5. Ambient Fine Dust Sampler
Action Plan of the Centre	: <ul style="list-style-type: none">• Publish research papers in reputed journals by each member.• Submit 3 research projects for external funding agencies.• Organize a Seminar/Guest Lecture on Water and Environment in every semester.• Plan to include student projects.• Guide minimum of 5 student (UG) projects.• Internal meetings to be conducted regularly to exchange ideas.• Initiate to collaborate with reputed Institutions across the India in both private and Govt. sectors.



EQUIPMENTS IN THE RESEARCH CENTER


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Chittoor (Dist.) - 517 102, A.P., INDIA.


Research Lab Coordinator
Dr. M V SUBBA REDDY

📍 Sree Sainath Nagar, Tirupati,
Andhra Pradesh - 517 102

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Sree Sainath Nagar, Tirupati - 517 102, A.P.

DEPARTMENT OF CIVIL ENGINEERING

Geotechnical Engineering Research Lab

Geotechnical Engineering Research Lab (GTERL) will give an impetus to research and consultancy services in the field of geotechnical engineering. GTERL facilitates to conduct research in the major research areas of geotechnical engineering such as expansive soils, reinforced earth, soil dynamics, environmental geotechniques, foundation engineering and field investigation of soils to a reasonable. In addition, the lab will cater the needs of major consultancy and testing services in and around Tirupati. Based on the recommendations of the Geotechnical Engineering Research Group of Department of Civil Engineering, the Institution has sanctioned an amount of Rs. 20 lakhs. The establishment of the lab is in progress.

Name of the Research Lab	:	Geotechnical Engineering Research Lab
Vision	:	To be the research centre of excellence in the field of Geotechnical Engineering in general and Ground Improvement and Foundation Engineering in particular.
Mission	:	<ul style="list-style-type: none"> • Creating suitable environment for conducting research • Inspiring students to pursue research • Conducting internationally acceptable quality research • Writing proposals for external funding • Aiming at patents • Industrial consultancy and testing services
Objectives	:	<ul style="list-style-type: none"> • To cater the needs of geotechnical engineering research in general and Ground Improvement and Foundation Engineering in particular • To facilitate faculty and students to realize research in the field of geotechnical engineering • To motivate faculty and students to contribute to research • To create research atmosphere in the department • To become the centre of excellence in the field of geotechnical engineering for research and consultancy

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✉ svecp@vidyanikethan.edu

Name of the Coordinator	:	Dr. O. Eswara Reddy Professor and BOS Chairman, Dept. of CE, SVEC
Total Number of Faculty Members in the Team	:	06 <ol style="list-style-type: none"> 1. Dr. O. Eswara Reddy Professor and BOS Chairman, Department of Civil Engineering, SVEC. 2. Dr. P. Ramesh Assoc. Professor, Department of Civil Engineering, SVEC. 3. Mrs. P. Indiramma Associate Professor, Department of Civil Engineering, SVEC. 4. Mrs. G. Gnana Prasanna Asst. Professor, Department of Civil Engineering, SVEC. 5. Mr. R. Vinod Kumar Asst. Professor, Department of Civil Engineering, SVEC. 6. Mr. M.Tharun Kumar Asst. Professor , Department of Civil Engineering, SVEC.
Equipment	:	<ol style="list-style-type: none"> 1. Swelling Pressure By Constant Volume Method Apparatus 2. Digital Consolidation Apparatus (3 Gang) 3. Lateral Pressure Pressure Assembly 4. Compression Load Cell with Digital Indicator Unit 5. Compression cum Tension Load Cell 6. Hydraulic Extruder, Hand Operated 7. Sampling Tubes - 38 mm Inner Diameter 8. Sampling Tubes - 50 mm Inner Diameter 9. LVDT - 100 mm 10. LVDT - 50 mm 11. LVDT - 25 mm 12. Remotely Hand Operated Hydraulic Jack with Pumping Unit - 10 ton Capacity 13. Remotely Hand Operated Hydraulic Jack with Pumping Unit - 200 ton Capacity 14. DT 85G Series 3 - 8 channel Geotechnical Data Logger 15. Vacuum Pump/De Airing System 16. Portable Swelling Pressure and Heave Evaluating Apparatus (Digital) 17. Desiccator 18. Air Compressor - 10 kg/sq.m. 19. Standard Penetration Test Apparatus Miscellaneous Equipment

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Andhra Pradesh - 517 102

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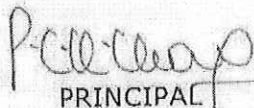
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Action Plan	:	<ul style="list-style-type: none"> • Publishing research papers in reputed journals by each member. • Submitting a minimum of two research projects per year for external funding agencies. • Organizing a minimum of one Seminar/Conference/Workshop per year in the field of geotechnical engineering. • Organizing a minimum of two Expert Lectures/Guest Lectures per year in the field of geotechnical engineering. • Plan to Include student projects. • Supervising a minimum of 6 UG Projects per year. • Conducting Internal meetings regularly to exchange ideas. • Attracting students to the field of Geotechnical Engineering. • Collaborating with reputed Institutions across India in both private and government sectors. • Visiting reputed geotechnical companies for technology updates and engineering challenges.
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Research Lab Coordinator
Dr. O ESWARA REDDY

📍 Sree Sainath Nagar, Tirupati,
Andhra Pradesh - 517 102

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CENTRAL LIBRARY

The Central library has been established with state-of-the-art infrastructure to the International Standards, spread over Ground + Two floors with built-in area of 4500 Sq. M. It is provided with central air-conditioning system, fire alarm, CCTV, and RFID book security system. Reference and textbooks of national and international authors, International and national Journals & Non-book materials are available to cater to various fields of Basic Sciences, Engineering and Technology, Humanities and Social Sciences. The library has a collection of 1,27,465 volumes of books, 18,720 titles, 1258 back volumes, 2988 CDs and DVDs. The Central Library subscribes to National & International Print Journals and to more than 2929 e-Journals. The subscribed e-resources include IEEE with POP, ASCE and ASME Journals. Within Central Library, a Digital library is also provided for classroom teaching through NPTEL video courses in the different fields of education.

FLOOR MAP:

Ground Floor – Circulation Section, Office of the Librarian, Journals Section, Individual Reading Cabins, Photocopier Section, Stack area – I and Library OPAC.

1st Floor – Reference Section, Reading Hall, Discussion rooms and Stack area – II

2nd Floor – Digital library, Reading Hall, Discussion Room and Stack Area III.

Carpet area of Library	:	4500 Sq. M
Reading space	:	2000 Sq. M
Seating Capacity	:	600
No. of Users (Transactions)	:	350
No. of Users (Visiting)	:	450

TIMINGS:

Working Days	:	08.00 AM to 08.00 PM
Holidays	:	09.00 AM to 05.00 PM

E-RESOURCES ACCESS:

IEEE – ASPP	:	All Society Periodicals Package – 169
IEEE- POP	:	Proceedings Order Plan – 2695
ASCE	:	American Society for Civil Engineering – 36
ASME	:	American Society for Mechanical Engineering – 29
NPTEL	:	National Programme on Technology Enhanced Learning



SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517102

INSTITUTIONAL MEMBERSHIPS:

- CSI – Computer Society of India
- IETE – Institution of Electronics & Telecommunication Engineers
- IE – Institution of Engineers
- ISTE – Indian Society for Technical Education
- ISOI – Instrument Society of India
- DELNET – Developing Library Network
- American Council Library
- British Council Library

AICTE-CII Survey

AICTE-CII Award - 2020

AICTE CII Survey Award Winners

Sl. No.	Institution Name	Financing	Zone	State	Score	Award
682	SREE DATTA INSTITUTE OF ENGINEERING AND SCIENCE	Self-financing	South-Central	Telangana	10 and below	Silver
683	SREE SARASWATHI THYAGARAJA COLLEGE	Self-financing	Southern	Tamil Nadu	Above 30	Platinum
684	SREE SASTHA INSTITUTE OF ENGINEERING AND TECHNOLOGY	Self-financing	Southern	Tamil Nadu	10 and below	Silver

685	SREE VIDYANIKETHAN COLLEGE OF PHARMACY	Self-financing	South-Central	Andhra Pradesh	Above 30	Platinum
686	SREE VIDYANIKETHAN ENGINEERING COLLEGE	Self-financing	South-Central	Andhra Pradesh	Above 30	Platinum
687	SREE VIDYANIKETHAN INSTITUTE OF MANAGEMENT	Self-financing	South-Central	Andhra Pradesh	Above 30	Platinum
688	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY	Self-financing	South-Central	Telangana	Between 11 and 29	Gold
689	SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES	Self-financing	South-Central	Andhra Pradesh	10 and below	Silver
690	SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	Self-financing	Southern	Tamil Nadu	Above 30	Platinum

SURVEY 2020

- Winners
- Institute Ranking of AICTE CII Survey 2020

REPORTS FEED

- AICTE-CII Survey Report 2019
- ASHE 2019
- EdCII Survey on Internationalisation of Indian Campuses 2019
- CII PWC Note on Internationalisation 2019
- AICTE-CII Survey Report 2018
- AICTE-CII Survey 2017
- School Education Report 2017
- AICTE-CII Survey Report 2016
- AICTE-CII Survey Report 2015
- ASHE 2015
- Trends in Internationalisation of Higher Education in India 2015

B. Venkatesh

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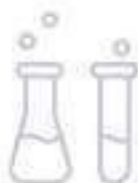


All India Council for Technical Education



Confederation of Indian Industry

AICTE – CII SURVEY OF INDUSTRY LINKED TECHNICAL INSTITUTES 2019





S. No.	Name of institute	Institute Type	AICTE Region	State	Score Band	Rating
574	SIDDI VINAYAKA INSTITUTE OF TECHNOLOGY & SCIENCES (COLLEGE OF PHARMACY)	Self-financing	Central	Chhattisgarh	10 and below	Silver
575	SIKKIM MANIPAL INSTITUTE OF TECHNOLOGY	Self-financing	Eastern	Sikkim	10 and below	Silver
576	SILVER OAK COLLEGE OF ENGINEERING & TECHNOLOGY	Self-financing	Central	Gujarat	10 and below	Silver
577	SINGARENI COLLIERIES POLYTECHNIC	Others	South-Central	Telangana	Between 11 and 29	Gold
578	SINHGAD INSTITUTE OF MANAGEMENT	Self-financing	Western	Maharashtra	Above 30	Platinum
579	SINHGAD INSTITUTE OF MANAGEMENT, (MBA PROGRAMME)	Self-financing	Western	Maharashtra	10 and below	Silver
580	SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD COLLEGE OF PHARMACY	Self-financing	Western	Maharashtra	Between 11 and 29	Gold
581	SIVA SIVANI INSTITUTE OF MANAGEMENT	Self-financing	South-Central	Telangana	10 and below	Silver
582	SMRITI COLLEGE OF PHARMACEUTICAL EDUCATION	Others	Central	Madhya Pradesh	Above 30	Platinum
583	SMT. B.SEETHA POLYTECHNIC	Self-financing	South-Central	Andhra Pradesh	10 and below	Silver
584	SMT. KAMALA AND SRI VENKAPPA M AGADI COLLEGE OF ENGINEERING & TECHNOLOGY	Self-financing	South-West	Karnataka	Between 11 and 29	Gold
585	SMT. KASHIBAI NAVALE COLLEGE OF PHARMACY	Self-financing	Western	Maharashtra	Above 30	Platinum
586	SMT. KISHORITAI BHOYAR COLLEGE OF PHARMACY	Self-financing	Western	Maharashtra	Above 30	Platinum
587	SMT. L. V. (GOVT.) POLYTECHNIC	Government	South-West	Karnataka	10 and below	Silver
588	SMT.SHARADCHANDRIKA,SUFESH PATIL COLLEGE OF PHARMACY, CHOPDA	Self-financing	Western	Maharashtra	10 and below	Silver
589	SNGIST GROUP OF INSTITUTIONS	Self-financing	South-West	Kerala	Between 11 and 29	Gold
590	SNS COLLEGE OF ENGINEERING	Self-financing	Southern	Tamil Nadu	Above 30	Platinum
591	SNS COLLEGE OF TECHNOLOGY	Self-financing	Southern	Tamil Nadu	Above 30	Platinum
592	SOLAMALAI COLLEGE OF ENGINEERING	Self-financing	Southern	Tamil Nadu	Between 11 and 29	Gold
593	SOLAMALAI COLLEGE OF ENGINEERING	Self-financing	Southern	Tamil Nadu	10 and below	Silver
594	SONA COLLEGE OF TECHNOLOGY	Self-financing	Southern	Tamil Nadu	Above 30	Platinum
595	SREE SARASWATHI THIYAGARAJA COLLEGE	Self-financing	Southern	Tamil Nadu	Above 30	Platinum
596	SREE SASTHA INSTITUTE OF ENGINEERING AND TECHNOLOGY	Self-financing	Southern	Tamil Nadu	Between 11 and 29	Gold
597	SREE VIDYANIKETHAN COLLEGE OF PHARMACY	Self-financing	South-Central	Andhra Pradesh	Above 30	Platinum
598	SREE VIDYANIKETHAN ENGINEERING COLLEGE	Self-financing	South-Central	Andhra Pradesh	Above 30	Platinum
599	SREE VIDYANIKETHAN INSTITUTE OF MANAGEMENT	Self-financing	South-Central	Andhra Pradesh	Above 30	Platinum
600	SREE VISVESVARAYA INSTITUTE OF TECHNOLOGY AND SCIENCE	Others	South-Central	Telangana	10 and below	Silver



All India Council for Technical Education



Confederation of Indian Industry

AICTE – CII Survey of Industry Linked Technical Institutes 2018



S. No.	Name of Institute	Score Band	Rating
612	SMRITI COLLEGE OF PHARMACEUTICAL EDUCATION	> 30	Platinum
613	SMT. B.SEETHA POLYTECHNIC	Between 11 and 29	Gold
614	SMT. KISHORITAI BHOYAR COLLEGE OF PHARMACY	> 30	Platinum
615	SMT. VANITABEN BACHUBHAI NANDOLA M.B.A. COLLEGE	Below 10	Silver
616	SMT. VANITABEN BACHUBHAI NANDOLA MCA COLLEGE	Below 10	Silver
617	SMT.L.V.(GOVT.) POLYTECHNIC	Below 10	Silver
618	SMT.SHARADCHANDRIKA SURESH PATIL COLLEGE OF PHARMACY, CHOPDA	Below 10	Silver
619	SNGIST GROUP OF INSTITUTIONS	Between 11 and 29	Gold
620	SNJBS LATE SAU. KANTABAI BHAVARLALJI JAIN COLLEGE OF ENGINEERING	Between 11 and 29	Gold
621	SNS COLLEGE OF ENGINEERING	Between 11 and 29	Gold
622	SNS COLLEGE OF TECHNOLOGY	> 30	Platinum
623	SOCIETY OF ADVANCED MANAGEMENT STUDIES, INSTITUTE OF TECHNOLOGY	Below 10	Silver
624	SONA COLLEGE OF TECHNOLOGY	> 30	Platinum
625	SPHOORTHY ENGINEERING COLLEGE	Below 10	Silver
626	SR GROUP OF INSTITUTIONS	Below 10	Silver
627	SREE SARASWATHI THYAGARAJA COLLEGE	Between 11 and 29	Gold
628	SREE SASTHA INSTITUTE OF ENGINEERING AND TECHNOLOGY	Between 11 and 29	Gold
629	SREE VIDYANIKETHAN COLLEGE OF PHARMACY	Between 11 and 29	Gold
630	SREE VIDYANIKETHAN ENGINEERING COLLEGE	> 30	Platinum
631	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY	Between 11 and 29	Gold
632	SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	Between 11 and 29	Gold
633	SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY	Below 10	Silver
634	SRI KALISWARI INSTITUTE OF MANAGEMENT AND TECHNOLOGY	> 30	Platinum
635	SRI KARPAGA POLYTECHNIC COLLEGE	Below 10	Silver
636	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	> 30	Platinum
637	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	> 30	Platinum
638	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	> 30	Platinum
639	SRI KRISHNA COLLEGE OF TECHNOLOGY	> 30	Platinum
640	SRI KRISHNA COLLEGE OF TECHNOLOGY	> 30	Platinum
641	SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE	Below 10	Silver
642	SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY	Between 11 and 29	Gold
643	SRI RAMACHANDRA COLLEGE OF PHARMACY	> 30	Platinum
644	SRI RAMAKRISHNA ENGINEERING COLLEGE	> 30	Platinum
645	SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY	Between 11 and 29	Gold



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AICTE – CII SURVEY OF INDUSTRY Linked Technical Institutes 2017



S.No	Institute	Number of Disciplines they participated in	Score band	Category
650	SINHGAD INSTITUTE OF PHARMACY	1	10 - 30	Gold
651	SINHGAD TECHNICAL EDUCATION SOCIETY'S SINHGAD COLLEGE OF PHARMACY	1	<10	Silver
652	SIR M VISVESVARAYA INSTITUTE OF MANAGEMENT STUDIES AND RESEARCH	1	10 - 30	Gold
653	SIVA SIVANI INSTITUTE OF MANAGEMENT	1	>30	Platinum
654	SMT. KISHORITAI BHOYAR COLLEGE OF PHARMACY	1	>30	Platinum
655	SMT.SHARADCHANDRIKA SURESH PATIL COLLEGE OF PHARMACY, CHOPDA	1	<10	Silver
656	SNGIST GROUP OF INSTITUTIONS	1	10 - 30	Gold
657	SNJBS LATE SAU. KANTABAI BHAVARLALJI JAIN COLLEGE OF ENGINEERING	5	10 - 30	Gold
658	SNS COLLEGE OF ENGINEERING	6	10 - 30	Gold
659	SNS COLLEGE OF TECHNOLOGY	6	10 - 30	Gold
660	SONA COLLEGE OF TECHNOLOGY	7	>30	Platinum
661	SOU.SUSHILA DANCHAND GHODAWAT CHARITABLE TRUST'S SANJAY GHODAWAT GROUP OF INSTITUTIONS	6	10 - 30	Gold
662	SR GROUP OF INSTITUTIONS	12	<10	Silver
663	SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING	4	<10	Silver
664	SREE SARASWATHI THYAGARAJA COLLEGE	1	>30	Platinum
665	SREE SASTHA INSTITUTE OF ENGINEERING AND TECHNOLOGY	1	>30	Platinum
666	SREE SASTHA INSTITUTE OF ENGINEERING AND TECHNOLOGY	12	10 - 30	Gold
667	SREE SOWDAMBIKA COLLEGE OF ENGINEERING	5	<10	Silver
668	SREE VIDYANIKETHAN ENGINEERING COLLEGE	5	>30	Platinum
669	SREE VIDYANIKETHAN INSTITUTE OF MANAGEMENT	2	<10	Silver
670	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY	6	10 - 30	Gold
671	SRI NALLALAGHU NADAR POLYTECHNIC COLLEGE	5	10 - 30	Gold
672	SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	5	>30	Platinum
673	SRI ESHWAR COLLEGE OF ENGINEERING	4	>30	Platinum
674	SRI JAYACHAMARAJENDRA COLLEGE OF ENGINEERING	6	>30	Platinum
675	SRI KALISWARI INSTITUTE OF MANAGEMENT AND TECHNOLOGY	1	10 - 30	Gold
676	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY	6	>30	Platinum
677	SRI KRISHNA COLLEGE OF TECHNOLOGY	5	>30	Platinum
678	SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE	6	10 - 30	Gold
679	SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY	6	10 - 30	Gold



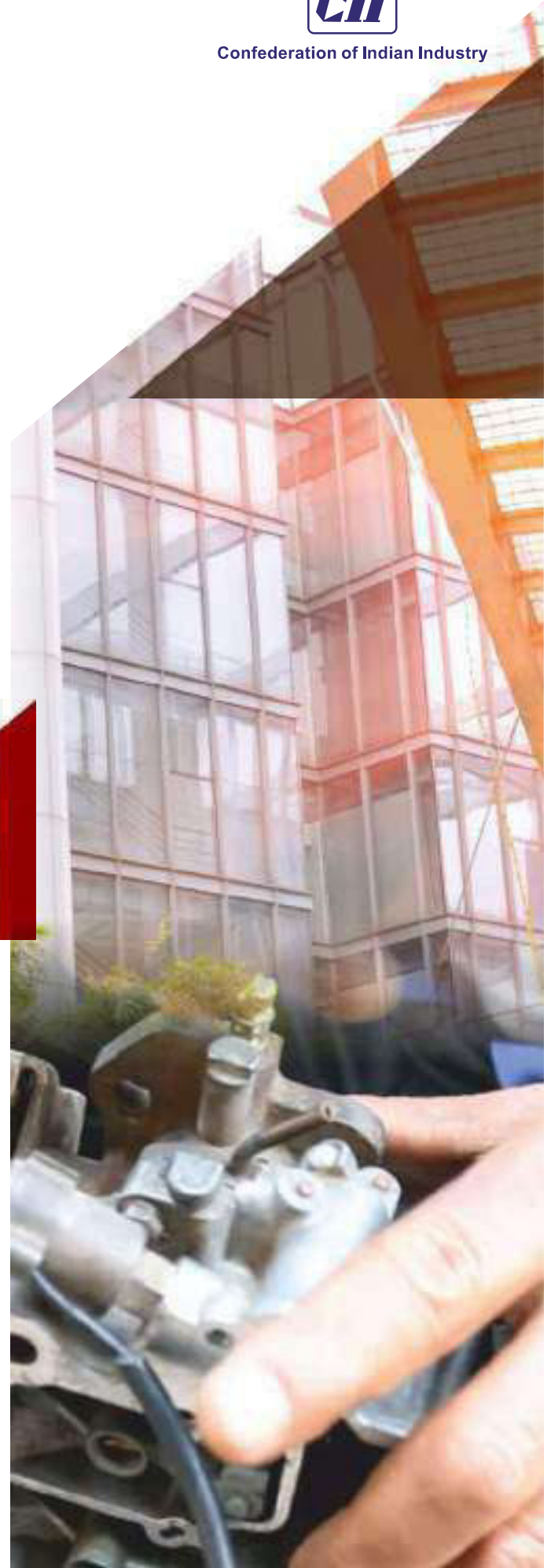
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AICTE-CII SURVEY OF INDUSTRY-LINKED TECHNICAL INSTITUTES 2016





S.No	Name of Institute	Main Stream	Existing/ Emerging	Score Band	Ranking
727	Siliguri Institute of Technology(MCA)	Engineering	Existing	10-30	Gold
728	Sinhgad Academy of Engineering	Engineering	Existing	10-30	Gold
729	Sinhgad Institute of Pharmaceutical Sciences, Lonavala	Pharmacy	Existing	10-30	Gold
730	Sinhgad Institute of Pharmacy	Pharmacy	Existing	10-30	Gold
731	Sinhgad Technical Education Society's Sinhgad College of Pharmacy	Pharmacy	Existing	<10	Silver
732	Sinhgad Technical Education Society's Sou. Venutai Chavan Polytechnic	Engineering	Emerging	<10	Silver
733	Sir C.V. Raman Institute of Technology & Sciences	Engineering	Emerging	10-30	Gold
734	Sir M. Visvesvaraya Institute of Technology	Engineering	Existing	10-30	Gold
735	Sir Vishveshwariah Institue of Science & Technology	Engineering	Emerging	<10	Silver
736	Sir Visvesvaraya Institute of Technology	Engineering	Existing	10-30	Gold
737	Sityog Institute of Technology	Engineering	Emerging	10-30	Gold
738	Siva Sivani Institute of Management	Management	Existing	>30	Platinum
739	SJM College of Pharmacy	Pharmacy	Existing	<10	Silver
740	SKN Sinhgad Institute of Technology & Science	Engineering	Emerging	10-30	Gold
741	Smriti College of Pharmaceutical Education	Pharmacy	Existing	>30	Platinum
742	SMT Siddamma Sanganna Meti Polytechnic	Engineering	Emerging	<10	Silver
743	Smt.I.V.(Govt.) Polytechnic	Engineering	Existing	<10	Silver
744	SNGIST Group of Institutions	Management	Existing	10-30	Gold
745	SNM Institute of Management And Technology	Engineering	Emerging	<10	Silver
746	SNS College of Engineering	Engineering	Emerging	>30	Platinum
747	SNS College of Technology	Engineering	Emerging	10-30	Gold
748	Sou. Sushila Danchand Ghodawat Charitable Trust's Sanjay Ghodawat Group of Institutions	Engineering	Emerging	10-30	Gold
749	Srajan Institute of Tech. Management & Science	Engineering	Emerging	<10	Silver
750	Sree Buddha College of Engineering, Pattoor	Engineering	Existing	10-30	Gold
751	Sree Sastha College of Engineering	Engineering	Emerging	10-30	Gold
752	Sree Sastha Institute of Engineering and Technology	Engineering	Existing	10-30	Gold
753	Sree Sowdambika College of Engineering	Engineering	Emerging	<10	Silver
754	Sree Vidyanikethan Engineering College	Engineering	Emerging	10-30	Gold
755	Sreenidhi Institute of Science & Technology	Engineering	Existing	>30	Platinum
756	Sri Shakthi Institute of Engineering and Technology	Engineering	Emerging	>30	Platinum
757	Sri Eshwar College of Engineering	Engineering	Emerging	>30	Platinum
758	Sri Jayachamarajendra College of Engineering	Engineering	Existing	10-30	Gold
759	Sri Krishna Polytechnic	Engineering	Emerging	<10	Silver
760	Sri Manakula Vinayagar Engineering College	Engineering	Emerging	10-30	Gold
761	Sri Polytechnic	Engineering	Emerging	<10	Silver
762	Sri Ramachandra Polytechnic College	Engineering	Merging	10-30	Gold
763	Sri Ramakrishna Engineering College	Engineering	Existing	>30	Platinum
764	Sri Ramakrishna Institute of Technology	Engineering	Existing	10-30	Gold
765	Sri Sai Ram Engineering College	Engineering	Emerging	>30	Platinum
766	Sri Sai Ram Engineering College (MBA)	Engineering	Existing	>30	Platinum
767	Sri Sai Ram Institute of Technology	Engineering	Emerging	10-30	Gold
768	Sri Shanmugha College of Engineering and Technology	Engineering	Emerging	10-30	Gold
769	Sri Sharada Institute of Indian Management Research	Management	Existing	>30	Platinum





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AICTE-CII SURVEY OF INDUSTRY-LINKED TECHNICAL INSTITUTES 2015



S. No	Name of Institute	AICTE Region	Category
227	SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY	South-West	Silver
228	SIDDHI VINAYAK COLLEGE OF SCIENCE & HR. EDUCATION	North-West	Gold
229	SIDDHI VINAYAK ENGINEERING & MANAGEMENT COLLEGE	North-West	Silver
230	SNS COLLEGE OF ENGINEERING	Southern	Gold
231	SNS COLLEGE OF TECHNOLOGY	Southern	Gold
232	SRAJAN INSTITUTE OF TECH. MANAGEMENT & SCIENCE	Central	Silver
233	SREE VIDYANIKETHAN ENGINEERING COLLEGE	South-Central	Gold
234	SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	Southern	Platinum
235	SRI ESHWAR COLLEGE OF ENGINEERING	Southern	Platinum
236	SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE	Southern	Silver
237	SRI RAAJA RAAJAN COLLEGE OF ENGINEERING AND TECHNOLOGY	Southern	Gold
238	SRI RAMACHANDRA POLYTECHNIC COLLEGE	Southern	Silver
239	SRI VENKATESA PERUMAL COLLEGE OF ENGINEERING & TECHNOLOGY	South-Central	Gold
240	SRI VENKATESWARA COLLEGE OF ENGINEERING	Southern	Gold
241	ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY	Southern	Silver
242	SUNSHINE EXAMINERS SAWANTHA EDUCATIONAL TRUST'S GROUP OF INSTITUTIONS	Northern	Silver
243	SVERI'S COLLEGE OF ENGINEERING, PANDHARPUR	Western	Gold
244	SVKM'S NARSEE MONJEE INSTITUTE OF MANAGEMENT STUDIES	Western	Gold
245	SVS COLLEGE OF ENGINEERING	Southern	Gold
246	SWAMI VIVEKANANDA INSTITUTE OF SCIENCE & TECHNOLOGY	Eastern	Silver
247	SYMBIOSIS INSTITUTE OF TECHNOLOGY	Western	Gold
248	SYNERGY INSTITUTE OF ENGINEERING & TECHNOLOGY	Eastern	Gold
249	SYNERGY INSTITUTE OF TECHNOLOGY	Eastern	Silver
250	T JOHN INSTITUTE OF TECHNOLOGY	South-West	Silver
251	TEEGALA KRISHNA REDDY ENGINEERING COLLEGE	South-Central	Gold
252	THEEM COLLEGE OF ENGINEERING	Western	Silver
253	TKR COLLEGE OF ENGINEERING & TECHNOLOGY	South-Central	Silver
254	TOC H INSTITUTE OF SCIENCE & TECHNOLOGY	South-West	Gold
255	TONTADARYA COLLEGE OF ENGINEERING	South-West	Silver
256	TRIGUNA SEN SCHOOL OF TECHNOLOGY	Eastern	Silver
257	TRIPURA INSTITUTE OF TECHNOLOGY	Eastern	Silver
258	TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING AND TECHNOLOGY	Western	Gold
259	U. V. PATEL COLLEGE OF ENGINEERING	Central	Silver

S. No	Name of Institute	AICTE Region	Category
260	UNITED COLLEGE OF ENGINEERING & RESEARCH	Northern	Gold
261	UNITED INSTITUTE OF TECHNOLOGY	Southern	Gold
262	UNIVERSITY COLLEGE OF ENGINEERING KAKINADA	South-Central	Gold
263	UNIVERSITY INSTITUTE OF TECHNOLOGY	Eastern	Gold
264	USHA RAMA COLLEGE OF ENGINEERING AND TECHNOLOGY	South-Central	Gold
265	V V COLLEGE OF ENGINEERING	Southern	Gold
266	V.S.M. COLLEGE OF ENGINEERING	South-Central	Gold
267	VARDHAMAN COLLEGE OF ENGINEERING	South-Central	Gold
268	VEERAPPA NISTY ENGINEERING COLLEGE	South-West	Silver
269	VEL TECH	Southern	Platinum
270	VEL TECH HIGH TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE	Southern	Gold
271	VEL TECH MULTI TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE	Southern	Platinum
272	VELAGAPUDI RAMAKRISHNA SIDDHARTHA ENGINEERING COLLEGE	South-Central	Gold
273	VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY	Southern	Gold
274	VELAMMAL INSTITUTE OF TECHNOLOGY	Southern	Gold
275	VIDYA COLLEGE OF ENGINEERING	Northern	Gold
276	VIDYA VIKAS INSTITUTE OF ENGINEERING & TECHNOLOGY	South-West	Silver
277	VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY	South-Central	Silver
278	VINS CHRISTIAN WOMEN'S COLLEGE OF ENGINEERING	Southern	Gold
279	VISHNU INSTITUTE OF TECHNOLOGY	South-Central	Gold
280	VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY	Western	Gold
281	VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY	Western	Gold
282	VIVEKANANDA INSTITUTE OF TECHNOLOGY	North-West	Gold
283	VIVEKANANDA INSTITUTE OF TECHNOLOGY - EAST (FORMERLY VIVEKANANDA COLLEGE OF ENGINEERING)	North-West	Gold
284	YAMUNA INSTITUTE OF ENGINEERING & TECHNOLOGY	North-West	Gold
285	A. Y. DADABHAI TECHNICAL INSTITUTE	Central	Gold
286	ABDUL RAZZAK KALSEKAR POLYTECHNIC	Western	Gold
287	ABS ACADEMY OF POLYTECHNIC	Eastern	Silver
288	ABSS INSTITUTE OF TECHNOLOGY	Northern	Silver
289	ACHARYA POLYTECHNIC COLLEGE	Southern	Gold
290	ADVANCED TOOLING & PLASTICS PRODUCT DEVELOPMENT CENTRE	Southern	Gold
291	ALLAHABAD COLLEGE OF ENGINEERING AND MANAGEMENT	Northern	Silver
292	ATUL POLYTECHNIC	Central	Silver