Department of Electrical and Electronics Engineering

Faculty Development Program/Hands on Training

One day Faculty Development Program/Hands on Training on "Embedded based Power and Motor control solutions using STCAE" is organized by the department of Electrical & Electronics Engineering under IIIC for the faculty of EEE in Room No.110 on 12-07-2017.

Mr. Bhooshan Iyer, Vice President, Altair Engineering India Pvt. Ltd., Bangalore, explained about the importance of embedded system in the field of power electronics and power system with STCAE software. And highlighted the latest trends in embedded world.

Mr. Sreeram Mohan, Director, Development, Altair Engineering India Pvt. Ltd., Bangalore, explained about the products developed by the company and software utilizes in industry. He explained about the marketing strategy across the world.

Mr.Athiesh Kumar, Engineer ESS Pvt Ltd, Bangalore, started the session by explain about the STCAE software tool and real time applications for effective operation of power system and motor control solutions. Initiated the faculty to do hands on training on the faculty.

Finally faculty of EEE understands and benefited the hand on session about the applications of power and motor control solutions through STCAE software tool.

Participants Listening the Session

HOD, EEE

SREE VIDYANIKETHAN ENGINEERING COLLEGE

Sree Sainath Nagar, A. Rangampet

Department of Electrical and Electronics Engineering

Faculty Development Program / Hands on Training

EMBEDDED BASED POWER AND MOTOR CONTROL SOLUTIONS USING STCAE

(12-07-2017)

S. No	Name	Designation
1	Dr. T. Nageswara Prasad	Professor
2	Dr. P. Umapathi Reddy	Professor
3	Dr. M.S. Sujatha	Professor
4	Dr. N.M.G. Kumar	Professor
5	Dr. S. Hema Chandra	Professor
6	Mr. M. Manohara	Associate Professor
7	Dr. S. Farook	Associate Professor
8	Dr. E. Parimalasundar	Associate Professor
9	Dr. G. Hari Krishnan	Associate Professor
10	Dr. V. Arun	Associate Professor
11	Dr. Avagaddi Prasad	Associate Professor
12	Dr. I. Kumara Swamy	Associate Professor
13	Ms. W.V. Jahnavi	Assistant Professor
14	Mr. A. Muni Sankar	Assistant Professor
15	Mr. T. Kosaleswara Reddy	Assistant Professor
16	Mr. D. Sreenivasulu Reddy	Assistant Professor
17	Mr. B. Subba Reddy	Assistant Professor
18	Mr. N. Pavan Kumar Reddy	Assistant Professor
19	Mr. G. Ravindra	Assistant Professor
20	Mr. P. Venkatesh	Assistant Professor
21	Mr. D. Praveen Kumar	Assistant Professor
22	Mr. R. Maheswar Reddy	Assistant Professor
23	Mr. K. Leleedhar Rao	Assistant Professor
24	Mr. M. Rupendra Naik	Assistant Professor
25	Mr. K. Venkatapathi	Assistant Professor
26	Mr. U. Kamal Kumar	Assistant Professor
27	Mr. Ch. Kumar Reddy	Assistant Professor
28	Dr. D. Suresh Babu	Assistant Professor
29	Mr. D. Jagadeesh	Assistant Professor
30	Mr. S. Jayachandra	Assistant Professor
31	Ms. B. Bhagyamma	Assistant Professor
32	Mr. Jonnawada Rafi	Assistant Professor
33	Ms. N. S. Madhuri	Assistant Professor
36	Mr. G. Sreenivasulu	Assistant Professor

HOD-EEE

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, A. Rangampet – 517102

Department of Electrical and Electronics Engineering

Cordially invites you

to

"A ONE DAY WORKSHOP ON EXPLORING THE ISSUES AND RIGHTS OF INTELLECTUAL PROPERTY"

4th September, 2017

Resource Persons

Dr.S.Hemachandra

Professor, EEE and Head, IIIC

Sree Vidyanikethan Engineering College,

Tirupathi

Date	: 4th September 2017
Time	: 9.00 AM - 4.30 PM
Venue	: ED Cell
Target Group	: Faculty, Research Scholars, Students

A one day workshop on
"Exploring the issues and rights of intellectual property"
On 04-09-2017

REPORT

A one day workshop on **"Exploring the issues and rights of intellectual property"** by **Dr. S.Hemachandra Professor, EEE and industrial institute interface coordinator, SVEC** is organized under EEE department for faculty, research scholars and M.Tech students of Electrical and Electronics Engineering and also for other departments in ED Cell on 04-09-2017.

The expert explained the basics of issues and rights of intellectual property, its importance, types of IPR issues, IPR rules, and exploring the issues and rights of IPR in different sectors like industries, research organizations, agriculture etc.,.

The eminent speakers gave brief description on intellectual property rights, issues on IPR , how to apply a patent and trade mark, filing a patent, how to protect the patent against violation and different procedures to be followed to get a Patent right in various countries. Also, they explained about the benefits of IPR, how to protect IPR and various policies for the protection of IPR. Faculty, Research Scholars and M.Tech Students nearly 55 members got benefited from his lecture.

The speakers gave wonderful lecture and received huge response from the audience. Audience had asked many valid questions on exploring issues and rights on IPR, totally the session was very interesting and impressive.

Dr. S Hemachandra delivering his lecture on Exploring the issues and rights of intellectual property

Participants listing the lecture of speaker

Details Of Expert

Dr. S.Hemachandra
Professor, EEE
Sree Vidyanikethan Engineering College
Sree Sainath Nagar
A.Rangampet
Tirupathi
Andhra Pradesh, India.

T.N.prasad

HOD, EEE

SREE VIDYANIKETHAN ENGINEERING COLLEGE

Sree Sainath Nagar, A. Rangampet

Department of Electrical and Electronics Engineering

"Exploring the Issues and Rights of Intellectual Property"

(04th September, 2017)

S. No	Name	Designation
1	DR. V. ARUN	Associate Professor
2	DR. AVAGADDI PRASAD	Associate Professor
3	Mr. I. KUMARA SWAMY	Assistant Professor
4	Ms. W.V. JAHNAVI	Assistant Professor
5	Mr. A. MUNI SANKAR	Assistant Professor
6	Mr. T. KOSALESWARA REDDY	Assistant Professor
7	Mr. D. SREENIVASULU REDDY	Assistant Professor
8	Mr. B. SUBBA REDDY	Assistant Professor
9	Mr. N. PAVAN KUMAR REDDY	Assistant Professor
10	Mr. G. RAVINDRA	Assistant Professor
11	P SRI HARIKANTH REDDY	Student
12	BADABALANNAGARI RENUKA DEVI	Student
13	BADDALA HARITHA	Student
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23	G VIDYASREE	Student
24	GAJA VAMSIKRISHNA	Student
25	GANDHODI HARSHAVARDHAN	Student
26	GANGABATHINI PAVANKALYAN	Student
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29	GUTHY NAVYA SRI	Student
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44	Ms. B. BHAGYAMMA	Assistant Professor
45	Mr. JONNAWADA RAFI	Assistant Professor
46	Ms. N. S. MADHURI	Assistant Professor
47	Ms. R. SINDHUJA	Assistant Professor
48	Mr. K. MANIKANDAN	Assistant Professor
49	Mr. G. SREENIVASULU	Assistant Professor
52	Mr. M. MANOHARA	Assistant Professor
53	Dr. S. FAROOK	Assistant Professor
54	Dr. E. PARIMALASUNDAR	Assistant Professor
55	Dr. G. HARI KRISHNAN	Assistant Professor

HOD-EEE

A Two Days

Hands-on MATLAB® Training Program on

Soft Computing: Artificial Neural Network, Fuzzy Logic & Genetic Algorithm

(Without using built-in toolbox functions)

on 14th and 15th October 2017

Organized by

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

SREE VIDYANIKETHAN
Engineering College
(Autonomous)

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

SreeSainath Nagar, A. Rangampet – 517 102
Near Tirupati, Chittoor Dist., A.P.

E-Mail: hod_eee@vidyanikethan.edu
Ph: 0877 - 2236711 (4 lines) Ext. 424
Fax: 0877 – 2236717

Hands-on MATLAB·Training Program on
Soft Computing: Artificial Neural Network, Fuzzy Logic & Genetic Algorithm
(Without using built-in toolbox functions)

on 14ᵗʰ and 15ᵗʰ October 2017

Objective:

In recent years soft computing has emerged as a practical technology, with successful applications in many fields. The majority of these applications are concerned with problems in pattern recognition and machine learning. Historically, many concepts in neural computing have been inspired by Biological networks. This workshop clarifies different types of ANN models (supervised & unsupervised) with handwork numerical exercise followed by MATLAB® exercise to analyze and visualize various architecture, learning behaviors and application areas.

Fuzzy Sets originated in a paper by LotfiA.Zadeh in 1965. Since then, it has grown drastically. Doors opened in commercial market for the applications of fuzzy sets and fuzzy logic, after the publication by Mamdani in the year 1975. Genetic Algorithm is a method for solving both constrained and unconstrained optimization problems based on natural selection process that mimics biological evolution model. The theory of natural selection proposes that the plants and animals that exist today are the result of millions of years of adaptation to the demands of the environment.

The objective of this workshop is to experience the understandings of ANN, Fuzzy Logic & GA in a clear way with hand worked numerical exercise followed by MATLAB® program to realize various applications of Soft Computing ranging from Image Processing, Data Mining, Pattern Recognition to AI.

Relevance:

1. To provide knowledge and develop the skills needed to solve engineering problems using soft computing techniques like ANN, FUZZY LOGIC and GA.
2. To bring academicians and Industry experts together to create synergistic impact on research and social needs.

Outcomes:

After attending the Workshop, the participants will be able to

1. Demonstrate and apply soft computing techniques in the field of engineering and allied areas.
2. Solve engineering problems by using soft computing techniques.
3. Provide best practices to solve real time problems.
4. Reduce complexity of engineering problems by utilizing simulation techniques.
5. Deliver effectively on soft computing techniques.
6. Guide UG and PG projects involving soft computing techniques.

Objective of this workshop:

In recent years soft computing has emerged as a practical technology, with successful applications in many fields. The majority of these applications are concerned with problems in pattern recognition and machine learning. Historically, many concepts in neural computing have been inspired by Biological networks. This workshop clarifies different types of ANN models (supervised & unsupervised) with handwork numerical exercise followed by MATLAB® exercise to analyze and visualize various architecture, learning behaviors and application areas.

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The objective of this workshop is to experience the understandings of ANN, Fuzzy Logic & GA in a clear way with hand worked numerical exercise followed by MATLAB® program to realize various applications of Soft Computing ranging from Image Processing, Data Mining, Pattern Recognition to AI.

Contents of training program & schedule

Day 1	
Time	**contents**
9.30am to 11.00am	Introduction: Introduction to Soft Computing Models. Role of ANN, Fuzzy Logic & GA in Machine Learning Applications, McCulloch-Pitts Model of Neuron, Types of Activation Function, Why ANN model is called as Non-Parametric Machine Learning Model? Comparison with Parametric Models, Learning styles, Supervised Vs Unsupervised, Design of Simple Perceptron Supervised Feedforward Network, Training& Testing Exercise.
11.00am to 11.15am:	Tea Break
11.15am to 01.15pm	Supervised Model: Gradient Descent Error Minimization, Design of Error Back Propagation Network (BPN) Network: Training & Classification. A case study with time-series (signal) classification and a case study with Image Dataset. Training & Testing Data Splitting, Model Evaluation and Validation, Confusion Matrix, Receiver Operating Characteristic (ROC) curve
01.15pm to 02.00pm:	Lunch Break
02.00pm to 04.00pm	Unsupervised Model: Introduction to Unsupervised Neural Network Models & its Significance, Different types of Unsupervised Models, Design of Kohonen Self-Organizing Map (SOM) for Data Clustering, A special case of SOM: Linear Vector Quantization (LVQ) and its advantages over SOM. Case study implementation and discussions
04.00pm to 04.15pm:	Tea Break
04.15pm to 06.00pm	Special Models: Special case of ANN model: Support Vector Machine (SVM) for Classification, Designing the kernel function using polynomial equations, Application of SVM without tool box built-in function. Case study implementation and discussions
Day -2	
9.30am to 11.00am	Introduction to Fuzzy Logic: Introduction to Classical Sets, Fuzzy Sets & Fuzzy Set operations, , Difference between Probability & Fuzzy Logic, Significance of Fuzzy Logic in building Soft Computing Models, Membership Functions & its types, Building a Fuzzy Inference

	(FIS) Model with a Case Study (Fuzzification, Fuzzy Implication, Fuzzy Rules, Fuzzy Aggregation and Defuzzification)
11.00am to 11.15am:	Tea Break
11.15am to 01.15pm	Fuzzy Logic Applications Application of Fuzzy Logic on Image Edge Detection. Comparative study with conventional Edge Detection Methods (Sobel, Prewit operators), Fuzzy based color object recognition, Fuzzy based clustering (Fuzzy C Means)
01.15pm to 02.00pm:	Lunch Break
02.00pm to 04.00pm	Introduction to Genetic Algorithm(GA): Introduction to Optimization, Classical optimization technique (Gradient descent approach), Genetic Algorithm (GA) – Terminologies: Genotype, Phenotype, Fitness Function, Cross Over, Mutation, Stopping Criteria, Step by Step Implementation of GA without using built-in toolbox function/GUI
04.00pm to 04.15pm:	Tea Break
04.15pm to 06.00pm	GA Applications: Solving a real life optimization problem, Univariate and Multivariate problem, Single objective and Multi objective problem. Optimization of ANN weights using GA, Optimal feature selection using GA. Case Study implementation and discussions

Note: Every Session comprises of introduction to Theoretical and Mathematical background, followed by Hand-work Numerical Exercise and implementation in MATLAB without using built-in toolbox functions, with step-by-step implementation of algorithm from scratch.

Training Fee = Rs.1200

Training Fee includes 2-full day workshop, Lunch, Refreshments andWorkshop Materials (e-copy)

Instruction to participants:

Participants need to bring their laptop loaded with licensed/instructor/studentevaluation version of the MATLAB software (any version).

Registration:

Kindly Email the following details: Name, Designation, Department,College/Organization, Contact number, Email along with the proof of payment.

Course Fee Payment Mode:
Bank Name:
Branch Name:
Account Holder Name:

Account No:
Account Type:
IFS CODE:

Resource person:

Dr.S.MaheshAnand
Founder & CTO
Scientific Computing Solutions (SCS-India)

A very passionate Educationist, Entrepreneur, Corporate Trainer, Motivational Speaker, Data Analytics Consultant. Having 16 plus years of experience in facilitating the learning of Gen-Y and Gen-X learners to produce exceptional results and to lead life with an attitude to excel, succeed and Passionately follow their dreams. Strongly Believe in MATLAB® is a registered trademark of The MathWorks, Inc. Experiential Learning Methodologies and Multiple Intelligence Skills Based Teaching Learning Approach. Trained 18,000 Plus (till Aug 2017) Engineering Students & Faculty across India, including IIIT's and NIT's and Engineers & Scientist on Various Skills including, Signal & Image Processing, Computer Vision, Pattern Recognition, Data Analytics, Machine Learning & Soft Computing, Optimization & Evolutionary Computing using tools like SCILAB, MATLAB, R, PYTHON, OPENCV, HADOOP & SPARK technologies. Prior, founding SCS-India in the year Jan-2012, he has served VIT University, Vellore as a faculty for a period of 8+ years at various positions in the School of Electronics & had a corporate experience at John.F.Welch Technology Center (Bangalore), for a year with GE Healthcare MRI Visualization Team.

T.N.prasad

HOD,EEE

SREE VIDYANIKETHAN ENGINEERING COLLEGE

Sree Sainath Nagar, A. Rangampet

Department of Electrical and Electronics Engineering

Hands-on MATLAB-Training Program on

Soft Computing: Artificial Neural Network, Fuzzy Logic & Genetic Algorithm
(Without using built-in toolbox functions)
(14th and 15th September 2017)

S. No	Name	Designation
1	MR. M. MANOHARA	Associate Professor
2	DR. S. FAROOK	Associate Professor
3	DR. E. PARIMALASUNDAR	Associate Professor
4	DR. G. HARI KRISHNAN	Associate Professor
5	DR. V. ARUN	Associate Professor
6	DR. AVAGADDI PRASAD	Associate Professor
7	DR. I. KUMARA SWAMY	Associate Professor
8	MS. W.V. JAHNAVI	Assistant Professor
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52	GUTHY NAVYA SRI	Student
53	JETTY NITHIN SAI RAHUL	Student
54	KADAVAKOLLU SRAVANI	Student
55	KATHI MAMATHA	Student

HOD-EEE

REGISTRATION FORM

A

One Week Short-Term Course

on

"ELECTRIFIED MOBILITY"

14th to 19th May, 2018

1. Full Name: ....

2. Designation: ....

3. Qualification: ....

4. Department: ....

5. Organization: ....

6. Contact No.: ....

7. Email ID: ....

8. Address for Communication

....

....

....

Signature of Applicant

*Signature of the Sponsoring Authority
with seal*

Chief Patron
Dr. M. Mohan Babu
Chairman, SVET

Patron
Dr. P. C. Krishnamachary
Principal, SVEC

Chief Advisors
Dr. D. V. S. Bhagavanulu
Director

Dr. C. Subhas
Dean, Academics

Dr. T. Nageswara Prasad,
Professor & Head, Dept. of EEE

Dr. S. Hema Chandra, Professor
Convener, Industry Institute Interaction Cell
(IIIC)

Advisory Committee Members
Dr. P. Umapathi Reddy, Professor
Dr. M. S. Sujatha, Professor
Dr. N. M. G. Kumar, Professor
Dr. S. Farook, Assoc. Professor
Dr. S. Krishnama Raju, Assoc. Professor
Dr. E. Parimala Sundar, Assoc. Professor
Dr. G. Hari Krishna, Assoc. Professor
Dr. V. Arun, Assoc. Professor
Dr. R. Jayanthi, Assoc. Professor
Mr. M. Manohara, Assoc. Professor

Organizing Committee
Dr. A. Prasad, Assoc. Professor
Ms. W.V.Jahnavi, Asst. Professor (SL)
Mr. D. Sreenivasulu Reddy, Asst. professor
Mr. B. Subba Reddy, Asst. Professor
Mr. G. S. Arun Kumar, Asst. Professor

For further details contact:
**The Convener, One Week Short-Term
Course on "ELECTRIFIED MOBILITY"**
Department of EEE
Mobile: 9949266787 / 8297818545 /
9949875164
e-mail: kosalchinni81@gmail.com,
munisankar.eee@gmail.com,
kumarkamal41@gmail.com

A

One Week Short-Term Course

on

"ELECTRIFIED MOBILITY"

14th to 19th May, 2018

an

Industry Institute Interaction Activity

Organized by

**Department of
Electrical and Electronics Engineering**

**SREE
VIDYANIKETHAN**
Engineering College (Autonomous)

Convener
Mr. T. Kosaleswara Reddy
Co-Conveners
Mr. A. Muni Sankar
Mr. U. Kamal Kumar

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
www.vidyanikethan.edu
Sree Sainath Nagar, A. Rangampet – 517 102
Near Tirupati, Chittoor Dist. A.P.
Ph: 0877 - 2236711 (4 lines) Ext. 436
Fax: 0877 – 2236717

About The College

Sree Vidyanikethan Engineering College was established in the year 1996 by Sree Vidyanikethan Educational Trust (SVET) under the stewardship of Dr. M. Mohan Babu, Padma Shri awardee, renowned film artiste and former Member of Rajya Sabha.

- Sree Vidyanikethan Engineering College has been accorded "UGC-Colleges with Potential for Excellence" status, and has earned recognition under 2(f) & 12 (B) sections of the UGC Act 1956.
- Received Extension of Autonomous status, granted by UGC, New Delhi for 6 years until 2021-22.
- Has accreditation by NAAC with top grade 'A' and NBA accreditation for B.Tech & M.Tech Programs.
- The college has successfully implemented the prestigious World Bank Project – TEQIP-II with a grant of Rs. 6 crores, and DST-FIST scheme.
- A total grant of Rs. 4 crores was received from AICTE, DST, UGC, INUP, ISRO, DBT towards MODROBS, Staff Development Programs, Entrepreneurship Development Cell and research.
- Established 8 Advanced Research Labs worth of Rs.2 Crores to enhance the research culture.
- National MEMS Design Centre has been established under the aegis of NPMASS and IISc, Bangalore; and Atmospheric Research Laboratory sponsored by DST.
- Technical Skill Development Centre has been established in collaboration with APSSDC-SIEMENS

Programmes Offered:

The college is presently offering 8 UG programs, 8 PG programs and 3 Doctoral programs.

Under Graduate:
EEE, ECE, EIE, CSE, IT, CSSE, CE and ME.

Post Graduate:
EPS, PED, CS, DECS, Comm. Sys., CN & IS, VLSI, SE and MCA.

Doctoral Programes:
EEE, ECE and CSE departments are recognized by JNTUA, Anantapur as Research Centers.

Department of Electrical and Electronics Engineering (EEE):

The Department of EEE was established in the year 1996 offering B.Tech (EEE) with a modest intake of 60. The intake at present is 240 besides an additional 20% under lateral entry scheme. The Department is offering two PG programmes M. Tech - Electrical Power Systems (EPS) started in the year 2004 with an intake of 18 and is increased to 36 from the year 2014 and M. Tech - Power Electronics and Drives (PED) started in the year 2017 with an intake of 18. Both the B.Tech. (EEE) and M.Tech. (EPS) programmes accredited by NBA. The Faculty are well qualified which includes 12 Ph.D. and 34 M.Tech. degree holders. The Department is also supported with Seven technical / non-teaching staff.

Objective of the short term course

The course aims at providing hands-on experience in terms of programming and modeling skills among the teaching faculty and post-graduate students for analysis and design of Electric Vehicles and its Technology.

Course Contents

This program will focus on Electric Vehicles and Technology involved. The major topics to be covered are:

1. Introduction to Electric Vehicles
2. Electrified Mobility
3. High Voltage Safety
4. EV Power Train Simulation
5. Charging Station
6. Hands-on Sessions on the above topics

Resource Persons

The resource persons are drawn from top industries like Amphenol, Amplify mobility etc.

Eligibility:
Faculty members from AICTE recognized Engineering Colleges of Electrical Engineering Discipline and students of M.Tech (EPS & PED).

Registration Fee: Rs. 1000/- only

Important Dates:
Last date for registration and submission of duly filled application : **10th May, 2018**
Intimation to Participants: **11th May, 2018**

Important Information:
- Interested candidates shall submit the duly filled-in Registration Form via e-mail.
- TA/DA will not be provided.
- The applications will be short listed on first come first serve basis and the candidates would be intimated through e-mail only.
- Certificates will be issued to those faculty who attend all the sessions.

Supporting Committee:
Mr. I. Kumara Swamy, Asst, professor
Mr. N. Pavan Kumar Reddy, Asst. Professor
Mr. G. Ravindra, Asst. Professor
Mr. R. Maheswar Reddy, Asst. Professor
Mr. K. Leleedhar Rao, Asst. Professor
Mr. D. Ramakrishna, Asst. Professor
Mr. D. Suresh Babu, Asst Professor
Mr. D. Praveen Kumar, Asst. Professor
Mr. S. Jayachandra, Asst. Professor
Mr. D. Jagadeesh, Asst. Professor
Mr. R. Wein, Asst. Professor
Ms. B. Bhagayamma, Asst. Professor
Mr. J. Lakshmi Prasad, Asst. Professor
Mr. G. Kiran Kumar, Asst. Professor
Ms. N. S. Madhuri, Asst. Professor
Ms. R. Sindhuja, Asst. Professor
Ms. A. Laksmi Priya, Asst. Professor

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Sree Sainath Nagar, Tirupati – 517 102

Department of EEE

SVEC/EEE/2017-2018   22nd May, 2018

REPORT on

One week Short-Term Course on "Electrified Mobility"

an Industry Institute Interaction activity conducted from

14th to 18th May, 2018

The Department of Electrical and Electronics Engineering has organized **A One week Short-Term Course on "Electrified Mobility" an Industry Institute Interaction Activity from 14th to 19th May, 2018. The following are the topics covered in the programme.**

Day 1 (14.05.2018):

Forenoon session:

Mr. Krishna Jaasti started the session with an overview of electric vehicles which covered the definition of Electric Vehicles (EV), construction details and types of motors used in EV's. The discussion continued with comparison between normal vehicle and electric vehicle and also types of electric vehicles and electric hybrid vehicles.

Afternoon session:

He has presented the determination of specifications of battery required in EV. The session continued with Global issues while designing EV.

Day 2 (15.05.2018):

Forenoon session:

Mr. Mahesh Patil delivered the basic concepts of power electronic switches used in the inverter circuit of EV. He explained the MOSFET characteristics, ratings and selection of the device for specific applications. He showed the data sheets of MOSFET.

Afternoon session:

This session focused on Construction, operation and characteristics of BLDC motor, selection of ratings of BLDC motor for particular application. He also compared the performance of PMSM and BLDC motor.

Aslo an MoU is signed with Amplify cleantech solutions private limited to have enhanced industry interaction for the benefit of students and faculty.

Day 3 (16.05.2018):

Forenoon session:

Mr. Mahesh Patil dealt with the Design of Inverter and battery used in EV. The speaker showed the ratings of lithium Ion battery and various types of batteries available in the market. He also explained the concept of specific power and energy consumption of battery. The resource person also illustrated the circuit configuration of inverter with BLDC motor.

Afternoon session:

Mr. Mahesh Patil solved one Numerical problem on the concept of design of battery and inverter. Then he explained the Battery management system.

Mr. Kiran demonstrated the battery design and charge controller.

Day 4 (17.05.2018):

Forenoon session:

Mr. Hitesh Thakkar gave a presentation on EV hardware design considerations and typical component selection process. He showed the EV hardware design developed by various Companies such as Infineon, Texas instruments, Plugin India.

Mr. Kiran illustrated the Electric Vehicle Service Equipment, On board AC charging connectors and its ratings. He also gave the information on charging levels of battery with distance travel.

Afternoon session:

This session completely focused on ATMega 8A microcontroller features, their architecture and programming. **Mr. Kiran** also covered the overview of Proteus software and simulated basic programming on Proteus software.

Day 5 (18.05.2018):

Forenoon session:

Mr. Kiran completely focused on Hands-on training on ATMega 8A Microcontroller.

Afternoon session:

Mr. Kiran gave presentation on development tools and development cycle of EV.

The program is concluded with thanks to the resource persons. As per the request made by some of the participants, **Mr Mahesh Patil** has accepted to give simulink presentation through skype on Saturday.

Day 6 (19.05.2018):

Forenoon session:

Mr. Mahesh Patil and **Mr. Pankaj Rodey** have explained simulink models of BLDC drive and battery charger through skype.

Program Coordinator

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
Sree Sainath Nagar, Tirupati – 517 102
Department of EEE

14th May, 2018

One week Short-Term Course on "Electrified Mobility" during 14th to 19th May, 2018

List of Faculty Participants:

S. No	Faculty Name	Designation	Amount Paid (Rs.)
1.	Dr. M.S. Sujatha	Professor	1000
2.	Dr. N.M.G. Kumar	Professor	1000
3.	Dr. S. Farook	Associate Professor	1000
4.	Dr. E. Parimalasundar	Associate Professor	1000
5.	Dr. G. Hari Krishnan	Associate Professor	1000
6.	Dr. V. Arun	Associate Professor	1000
7.	Dr. R. Jayanthi	Associate Professor	1000
8.	Dr. S. Krishnama Raju	Associate Professor	1000
9.	Mr. M. Manohara	Associate Professor	1000
10.	Ms. W.V. Jahnavi	Assistant Professor (SL)	1000
11.	Mr. I. Kumara Swamy	Assistant Professor	1000
12.	Mr. G. Ravindra	Assistant Professor	1000
13.	Mr. P. Venkatesh	Assistant Professor	1000
14.	Mr. K. Leleedhar Rao	Assistant Professor	1000
15.	Mr. G. S. Arun Kumar	Assistant Professor	1000
16.	Mr. R. Wein	Assistant Professor	1000
17.	Mr. Jonnawada Rafi	Assistant Professor	1000
18.	Mr. Avagaddi Prasad	Assistant Professor	1000
19.	Mr. G. Kiran Kumar	Assistant Professor	1000
20.	Ms. N. S. Madhuri	Assistant Professor	1000
21.	Mr. T. Sudheer Kumar	Assistant Professor	1000
22.	Ms. R. Sindhuja	Assistant Professor	1000
23.	Mr. J. Lakshmi Prasad	Assistant Professor	1000
		Total Amount	**23000**

Signature of the Convener

Signature of the HoD

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

SREE VIDYANIKETHAN
Engineering College (Autonomous)

Sree Sainath Nagar, Tirupati – 517 102

Department of EEE

14th May, 2018

One week Short-Term Course on "Electrified Mobility" during 14th to 19th May, 2018

List of Student Participants:

S. No	Roll No.	Name of the Student	Amount Paid (Rs.)
1.	17121D0701	ASWINI KUMARI MACHARLA	1000
2.	17121D0703	BUDARAPU LAKSHMI	1000
3.	17121D0704	DEVIREDDY RAMESH REDDY	1000
4.	17121D0705	G RANGA RAJU	1000
5.	17121D0707	LELLA NAGA KIRAN BABU	1000
6.	17121D0708	MALLEPOGU NAGASRINIVASULU	1000
7.	17121D0709	MUGALA LOKESHBABU	1000
8.	17121D0710	NIMMAKAYALA SIVA PRASAD REDDY	1000
9.	17121D0711	PALLA VENKATA PAVAN KISHORE BABU	1000
10.	17121D0712	PRODDUTUR NAGATEJA	1000
11.	17121D0713	PUJARI ANUSHA	1000
12.	17121D0715	S K SYDAN BASHA	1000
13.	17121D0716	SHAIK GOUSIYA	1000
14.	17121D0717	T GIRIJAPRASANNA	1000
15.	17121D0718	THOTI PREETHI	1000
16.	17121D0719	YELLIBOINA PAPARAYUDU	1000
17.	17121D8301	CHINTAALA SAI VEDA VYAS	1000
18.	17121D8302	KAMBHAM MAHESH	1000
19.	17121D8303	N POORNA CHANDRA KUMAR	1000
20.	17121D8304	PAMU POORNACHANDRA	1000
21.	17121D8305	PANETI ANJANEYA VARA PRASAD	1000
22.	17121D8306	SHAIK ABDUL KHADAR	1000
23.	17121D0701	ATTHIPATLA UDAY KUMAR	1000
24.	16121D0717	V. MOUNICA	1000
		Total Amount	**24000**

Signature of the Convener

Signature of the HoD

SREE VIDYANIKETHAN
Engineering College
(Autonomous)

Amplify
SUSTAINABLE MOBILITY

Certificate of Completion

This certifies that

Mr. T. Kosaleswara Reddy, Assistant Professor, SVEC, Tirupati

has completed One week short-term Course on Electrified Mobility from 14th to 19th May 2018

organized by Department of Electrical and Electronics Engineering at Sree Vidyanikethan Engineering

College, Tirupati, AP.

Principal,
Sree Vidyanikethan Engineering College

Amplify Cleantech Solutions Private Limted

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. Rangampet – 517102

Department of Electronics and Communication Engineering

Cordially invites you

to

FDP

On

"Project based Learning with MATLAB"

12ᵗʰ October, 2017

Resource Person:

Naga Chakrapani Pemmaraju & Prasanna Deshpande,
Sr. Application Engineers, MathWorks India Private Limited, Bangalore.

&
Jenukuti Prem Kumar,
Product Manager, Capricot Technologies Private Limited, Hyderabad.

Date	**: 12ᵗʰ October**, 2017
Time	**:** 09.00AM - 05.00 PM
Venue	**:** E class room
Target Group	**: Faculty of SVEC**

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Sree Sainath Nagar, Tirupati – 517 102

Faculty Devolopment Program
on

"Project Based Learning with MATLAB"

October 10, 2017

Certificate

This is to certify that Dr./Mr./Ms. _____ of_____ participated in FDP on **"Project Based Learning with MATLAB"** during October 10, 2017 conducted by the Department of Electronics and communication Engineering, Sree Vidyanikethan Engineering College, Tirupati.

Convener   **Principal**

Department of Electronics and Communication Engineering

A Report on
"Project Based Learning with MATLAB"

Programme: Faculty Development Programme

Target Group : Faculty & Research Scholars of SVEC

No. of participants : 78

The faculty development program was organized by department of ECE, SVEC for one day on 12th October, 2017. This programme was conducted in three sessions among which one in the Forenoon and Two parallel sessions in the afternoon. two different targeting groups one for Signal Processing Communication group and

Session 1: Forenoon

Details of the Resource person:
Name of the Technical Person : Naga Chakrapani Pemmaraju
Designation : Sr. Application Engineer
MathWorks India Private Limited
Bangalore

In this session, resource person focused on Engineering Fundamentals using MATLAB programming and simulink. He explain how to develop a project by taking an example of Robot Arm design. He discussed what are the necessary things to be taken into consideration are and how it should be modeled mathematically and how to develop a program based on mathematical model and how a model could develop through simulink.

Session 2 & 3 : Afternoon(Parallel Sessions)

Details of the Resource person: Electrical, Mechanical Engineering and Control System group

Name of the Technical Person : Prasanna Deshpande
Designation : Sr. Application Engineer
 MathWorks India Private Limited
Bangalore

In this session, resource person focused on the field of Control Design and Automation. With few real time examples, speaker delivered concepts of modeling Electrical Machines and Power Electronics. How CAD models can be imported into Simulink environment for modelling 3D mechanical systems and also how Simulink module can be Connected with Low Cost Hardware (Arduino, Lego) for project development.
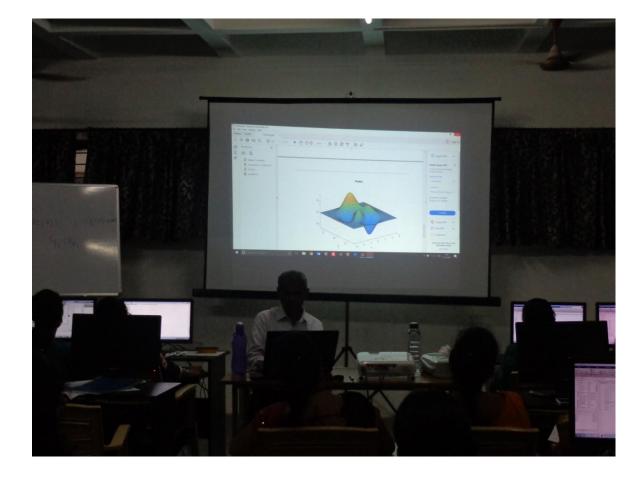
Details of the Resource person: Signal Processing, Communication group

Name of the Technical Person : Jenukuti Prem Kumar
Designation : Product Manager
Capricot Technologies Private Limited
Hyderabad.

In this session, resource person focused in the fields of signal processing, computer vision and communication systems. With few real time examples, speaker delivered how to develop a project simulink module that Enabling Low Cost Hardware,DSP (Raspberry Pi, Kinect etc.,).

HOD, ECE

Lecture Topics for Special course on "UAV Remote Sensing and its applications"

Lecture / Date	Title	Faculty
L-1: 03.07.2017	Overview of UAV Remote Sensing	Mrs. Shefali Agrawal
L-2 : 04.07.2017	UAV System and technology	Mr. Chirag Gupta
L-3: 05.07.2017	UAV Photogrammetry and its application	Mr. Raghavendra Sara
L-4 : 06.07.2017	Image processing of ultra-high resolution UAV images	Ms. Minakshi Kumar
L-5: 07.07.2017	UAV SAR Remote sensing	Mr. Shashi Kumar

Attendance Record for Course on UAV Remote Sensing and Applications					
Registration Number	Name	Total Sessions	No. of sessions attended	%ge of Attendance	Elligibility for Examination/Certificate
20172219654	NAGENDRA	5	5	100.00	Yes
20172219554	NIMMAGADDA	5	5	100.00	Yes
20172219535	MAHESH	5	5	100.00	Yes
20172220665	K	5	5	100.00	Yes
20172219663	N.P	5	5	100.00	Yes
20172219595	MOUNIKA	5	5	100.00	Yes
20172219544	BHARATHI	5	5	100.00	Yes
20172219463	NARESH	5	5	100.00	Yes
20172220626	RAMPRAKASH REDDY	5	5	100.00	Yes
20172219655	THULASI	5	5	100.00	Yes
20172219556	GENE	5	5	100.00	Yes
20172219537	BHARADWAJA	5	5	100.00	Yes
20172220670	S V S S S M CHAKRADHAR	5	5	100.00	Yes
20172220547	MADHU	5	5	100.00	Yes
20172219611	T	5	5	100.00	Yes
20172219545	LEELA	5	5	100.00	Yes
20172219481	MAHESWARI	5	5	100.00	Yes
20172220635	KAUSTUBH	5	5	100.00	Yes
20172219656	RAJANARENDRA	5	5	100.00	Yes

20172219558	MAHESH	5	5	100.00	Yes
20172219539	RAMESH	5	5	100.00	Yes
20172220672	D	5	5	100.00	Yes
20172220557	VENKATA SUDHAKAR	5	5	100.00	Yes
20172219640	SENTHIL KUMAR	5	5	100.00	Yes
20172219546	GURU	5	5	100.00	Yes
20172219483	MAHESWARI	5	5	100.00	Yes
20172220658	V	5	5	100.00	Yes
20172219659	MEENAKSHI	5	5	100.00	Yes
20172219574	VENKATANARESH	5	5	100.00	Yes
20172219540	GOWTHAMI	5	5	100.00	Yes
20172219445	PRAVEENA	5	5	100.00	Yes
20172220559	MATAM	5	5	100.00	Yes
20172219644	VENKATARAMANAN	5	5	100.00	Yes
20172219547	NAVYA	5	5	100.00	Yes
20172219484	SUDHA	5	5	100.00	Yes
20172220662	P	5	5	100.00	Yes
20172219660	HARATHI	5	5	100.00	Yes
20172219592	VITHYALAKSHMI	5	5	100.00	Yes
20172219543	NEELAMEGAM	5	5	100.00	Yes
20172219451	NEELIMA	5	5	100.00	Yes
20172220598	KAMALAPURAM	5	5	100.00	Yes

(Course Co-ordinator)

भारतीय सुदूर संवेदन संस्थान/ **INDIAN INSTITUTE OF REMOTE SENSING**

भारतीय अंतरिक्ष अनुसंधान संगठन/ **INDIAN SPACE RESEARCH ORGANISATION**

अंतरिक्ष विभाग, भारत सरकार/ **DEPARTMENT OF SPACE, GOVERNMENT OF INDIA**

सत्यमेव जयते

नामांकन सं0/ **Enrollment No. :** 20172219558

बहि:परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

यह प्रमाणित किया जाता है कि **श्री महेश बी, श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश** को यह प्रमाण पत्र **यूएवी सुदूर संवेदन एवं अनुप्रयोग,** पर आधारित पाठयक्रम पूर्ण करने पर प्रदान किया जाता है। उक्त पाठयक्रम इस संस्थान द्वारा 03 जुलाई 2017 से 07 जुलाई 2017 तक संचालित किया गया।

This is to certify that **MR. MAHESH B** from **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh** has been awarded this certificate on having completed the course on **"UAV Remote Sensing and Applications"** conducted by this institute from July 03, 2017 to July 07, 2017.

26-07-2017
दिनाँक/ Date:

देहरादून/ Dehradun

समन्वयक,
विश्वविद्यालय/संस्थान
**Coordinator
University/ Institution**

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
**Geoweb Services, IT & Distance Learning
Department, IIRS**

समूह निदेशक,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
**Group Director, Geospatial Technologies &
Outreach Programme Group, IIRS**

निदेशक,
आई॰आई॰आर॰एस॰
Director, IIRS

UID- 6a5b886eeaa61650a4072d18fa9d4129 .This Certificate can be validated using URL- http://certificate.iirs.gov.in

भारतीय सुदूर संवेदन संस्थान/ **INDIAN INSTITUTE OF REMOTE SENSING**

भारतीय अंतरिक्ष अनुसंधान संगठन/ **INDIAN SPACE RESEARCH ORGANISATION**

अंतरिक्ष विभाग, भारत सरकार/ **DEPARTMENT OF SPACE, GOVERNMENT OF INDIA**

COR223592017

बहि:परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

संस्थान की भागीदारी का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि **श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठचक्रम **"यूएवी सुदूर संवेदन एवं अनुप्रयोग"** मे भाग लिया। इस ऑनलाइन पाठचक्रम का संचालन दिनांक 03 जुलाई 2017 से 07 जुलाई 2017 तक किया गया।

This is to certify that **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on **"UAV Remote Sensing and Applications"**. This online programme was conducted during July 03, 2017 to July 07, 2017.

दिनाँक/ Date:
26-07-2017
देहारादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Geoweb Services, IT & Distance Learning Department, IIRS

समूह
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Director, Geospatial Technologies & Outreach Programme Group, IIRS

Department of Electronics and Communication Engineering

A Report on

22nd IIRS Outreach Programme on "UAV Remote Sensing and Applications"

Programme : 22nd IIRS Outreach Programme
Date : July 03rd to July 07th, 2017
Target Group : Faculty and students from SVEC.

No. of participants : 30

The 22nd IIRS EDUSAT Outreach Programme on UAV Remote Sensing and Applications was held at Room No. 520,MNS Block, Sree Vidyanikethan Engineering college from July 03rd to 07th July, 2017 with Dr. A.B Yadav, Associate professor, as course coordinator. 219 participants attended the training workshop and successfully completed.

About IIRS Distance Learning:

With the advent of Information and Communication Technology and improved broadband internet connectivity has enhanced the scope of learning any time anywhere, going beyond the traditional classroom approach. To support distance learning, Indian Space Research Organisation, Government of India has launched dedicated communication satellite called EDUSAT in 2004. The satellite is widely used for variety of applications like Tele-education, Tele-medicine, Village Resource Centres, mobile satellite services, disaster management support and television broadcasting educating farmers for agriculture and other purposes. One of the prime applications of EDUSAT satellite is tele-education at various levels (i.e. school level/UG /PG level) by different ministries / autonomous organizations

/ departments/institutions/universities in India effectively utilized the EDUSAT for Tele-education.

The initial focus of IIRS was to use EDUSAT/INSAT 4CR satellite for distance learning but extended the scope to use internet so that access to large number of institutions/universities /individuals with little cost the User. Today this programme is linking more professional and user departments and ministries in the country to develop their skills in geospatial technologies and its applications. The IIRS outreach programme is being conducted through following two major modes:

Live and Interactive classroom sessions (also known as EDUSAT) and

E-learning based online courses.

The live and interactive mode of distance learning is through Internet and A-view software platform developed by Amrita e-learning Lab in collaboration with Ministry of Human Resource Development (MHRD) Government of India. The live classroom session are being conducted during 4:00 PM to 5:30 PM on daily basis through state of art studio facility setup in the Institute.

IIRS has setup a state-of-art studio facility and control room to broadcast live and interactive classroom sessions and practical demonstrations through its Distance Learning Center. The high definition video quality can be broadcast to its user for better quality transmission.

About the Course:
The increasing development in Unmanned Aerial Vehicle (UAV) platforms and associated sensing technologies has brought new dimension to the field of remote sensing. The UAVs enable accurate, flexible and low-cost measurements of 3D, radiometric and temporal properties of land cover features with high quality cameras, GPS and precise processing. Availability in wide range of sizes, easier deployment and cost-effectiveness of UAVs compared to conventional air borne/space borne systems make them attractive. With light weight systems, typically flying at altitudes ranging from 100 m to 300 m and the aerial strip extent ranging typically few kms, they have a great potential in applications like fire monitoring, natural resource and disaster management, 3D terrain mapping, precision agriculture, wildlife observation, vegetation measurements, etc. The huge amount of data provided by UAVs poses, a new challenge towards developing appropriate processing, storage and transmission techniques. In

view of the present and future potential of this emerging technology, Indian Institute of Remote Sensing (IIRS) offers a 5 day course on UAV based photogrammetry and remote sensing.

Objectives of the Course:

1. To provide an opportunity for individuals to learn UAV Remote Sensing and Applications for the benefit of their professional career.
2. To provide considerable flexibility allowing students to quickly gain knowledge on UAV Remote Sensing and Applications and to add to their credentials.
3. To empower students undertake this course to develop their knowledge and understanding through formal coursework and a program of independent reading.

HOD, ECE

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. Rangampet – 517102

Department of Electronics and Communication Engineering

Cordially invites you

to

Lab Training program

On

"Embedded system design using MSP430 & Tiva series launch pads & booster packs"

08th – 09th March, 2017

Resource Person:

Mr. Ganesh Motte,

Product Engineer, EdGate Technologies PVT. LTD.,
Bangalore.

Date	: **08th – 09th March**, 2017
Time	: 10.00AM - 04.00 PM
Venue	: Mixed Signal Lab (Room No.303)
Target Group	: **Faculty of ECE**

Department of Electronics & Communication Engineering

Lab Training program
On
"Embedded system design using MSP430 & Tiva series launch pads & booster packs"

Organized by
Department of Electronics and Communication Engineering

March 8-9th, 2017

Attendance Sheet

S. No	Name of the Participant	08-03-17 FN	08-03-17 AN	09-03-17 FN	09-03-17 AN
1.	Mr. M. Madhu kumar				
2.	Mr. R. Nagendra				
3.	Mr. T. Krishna moorthy				
4.	Ms. K. Neelima				
5.	Mr. M. Srikanth				

Covener

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
Sree Sainath Nagar, A.Rangampet-517 102

Department of Electronics and Communication Engineering

Program Details: Hands on Training on, **"Embedded System Design using MSP430 & Tiva Series Launch pads & booster packs"**

Date of the Program: 08-09 March 2017

Organizing Department: Electronics and Communication Engineering

REPORT

The event started sharp at 10.00 AM in Embedded Lab (Room No. 303) by Mr. P. Madhu Kumar, Asst. Prof (SL) of the department addressing the participants about the importance of the Program. The participants for the lab training session were 08 PG students from M. Tech (DECS) and 20 students of III B. Tech ECE. Resource Person Mr. Ganesh Motte, Product Engineer, EdGate Technologies PVT. LTD., Bangalore took over the session.

08-03-2017 (FN):

Introduction to MSP430 family of processors from TI, Features of MSP430, on-chip resources available in MSP430, Eclipse IDE, Installation and usage of Code Composer Studio Version 6, Energia were covered

08-03-2017 (AN):

Hands on training for programming MSP430G2559/G2553 using CCSV6 & Energia for various tasks like blinking LEDs, Reading switches, Parallel I/O port access, WDT, Timers, Interrupt programming exercises were practiced.

09-03-2017 (FN):

Resource person discussed various communication standards like SPI, UART, I2C, JTAG and various embedded C programming abilities necessary for embedded workload modeling . He also covered Operating System related issues and their usage on this platform in real time systems.

09-03-2017 (AN):

Participants practiced embedded programming using various booster packs like WIFI, Sensor Hub, Sharp LCD –features and usage with MSP430, Tiva C series launch pads. Real time mixed signal processing related discussion happened in this session.

The program concluded by taking feedback from the participants with query clarification session regarding projects that can be undertaken by the students.

The snapshots covering various phases of the event are:

Resource Person discussing practical aspects in using various on-chip resources available for MSP430G2559

Hands on Training using MSP430G2559 on-chip Resources

Demonstration by resource person on Educational booster pack using Energia

Students demonstration establishment of communication between MSP430F5529 Modules using SPI standard

HOD, ECE

IIRS Outreach Programme

The IIRS outreach programme, which started in 2007 with 12 universities/ institutions has now grown substantially. Currently, 580 universities / institutions spread across India are networked with IIRS. The beneficiaries of the programme may include:

- Recourse persons for natural studies
- Training Academia in mineral exploration
- Agriculture department
- Central & State Government Departments
- Research Institutes in forest and water studies
- Geospatial Industries
- NGOs

Feedback Mechanism

IIRS has conducted six workshops in 2007, 2009, 2010, 2013, 2014, 2015 and 2016 to take feedback from participating institutions to improve the quality of future courses.

18th outreach programme feedback session during IIRS User Interaction Meet (IUIM)-2017

Awards

IIRS has received national awards for excellence in training for outreach and e-learning programme during 1st National Symposium on Excellence in Training conducted during April 11-12, 2015 in New Delhi by Department of Personnel & Training (DoPT), Govt. of India in collaboration with United Nations Development Programme (UNDP).

About IIRS

Indian Institute of Remote Sensing (IIRS) under Indian Space Research Organisation (ISRO), Department of Space, Govt. of India is a premier Training and Educational Institute set up for developing trained professionals in the field of Remote Sensing, Geoinformatics and GNSS Technology for Natural Resources, Environmental and Disaster Management. Formerly known as Indian Photo-interpretation Institute (IPI), founded in 1966, the Institute boasts to be the first of its kind in entire South-East Asia. While nurturing its primary endeavour to build capacity among the user community by training mid-career professionals, the Institute has enhanced its capability and evolved many training and education programmes that are tuned to meet the requirements of various target groups, ranging from fresh graduates to policy makers including academia.

IIRS also conducts e-learning programme on Remote Sensing and Geo-information Science (http://elearning.iirs.gov.in).

Contact Details

Dr. Anil Kumar
Course Director
Tel: 0135-2524114/M-9897460874
Email: *anil@iirs.gov.in*

Shri.Vinay Kumar
Course Coordinator
Tel: 0135-2524112/M-9897800601
Email: *vinaykumar@iirs.gov.in*

IIRS DLP Team

Dr. Harish Karnatak
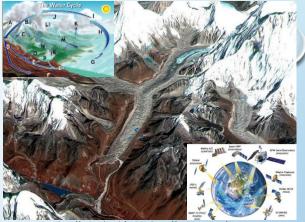Head, GIT& DL Dept.
Tel: 0135-2524332

Dr. Poonam S Tiwari
Tel: 0135-2524115

Mr. Janardan Vishwakarma
Tel: 0135-2524130

Mr. Ashok Ghildiyal
Tel: 0135-2524130

Indian Institute of Remote Sensing,
Indian Space Research Organisation
Department of Space, Govt. of India,
4-Kalidas Road, Dehradun
Email: *dlp@iirs.gov.in*

Twenty Ninth IIRS Outreach Programme

Images sources : http://swisseduc.ch/; USGS; https://pmm.nasa.gov/GPM

Hyperspectral Remote Sensing and Its Applications

February 19 – 13 March, 2018

इसरो ISRO

Organised by

Indian Institute of Remote Sensing,
Indian Space Research Organisation
Department of Space, Govt. of India
Dehradun
www.iirs.gov.in

About the Course

Hyperspectral remote sensing deals with measurements in a large number of narrow spectral bands over a contiguous spectral range. Because of its ability to detect narrow absorption features hyperspectral data are related to specific vegetation physio-chemical characteristics, soil physical and chemical properties, mineral composition and snow characteristics, mapping tree species, recognizing invasive plants, and identifying key geologic features. However, because of presence of a large number of bands, hyperspectral data needs different analysis approach including feature reduction, feature selection, removal of noise, detection of absorption features, advance classification techniques. This course will make the participants aware about hyperspectral remote sensing, hyperspectral data processing and its applications. This course will have thirteen sessions. First to eighth sessions will mainly be focused on topics related to hyperspectral remote sensing, ground spectro-radiometer and processing techniques; while ninth to thirteenth sessions will focus on application of hyperspectral data in five application areas.

Curriculum

- **First Session: Hyperspectral Remote Sensing (HRS): An Overview and Applications;**
- **Second Session: Hyperspectral remote sensing: Platform and sensors;**
- **Third Session: Hyperspectral Image Pre-processing;**
- **Fourth Session: Demonstration on Hyperspectral Data Pre-processing;**
- **Fifth Session: Data dimensionality reduction;**
- **Sixth Session: Optical and Thermal Hyperspectral Image Classification;**
- **Seventh Session: Demonstration on spectro-radiometer and spectral library creation;**
- **Eighth Session:Demonstration on Hyperspectral data classification;**
- **Ninth Session: Hyperspectral Remote Sensing for Agriculture and soil Studies;**
- **Tenth Session: Hyperspectral Remote Sensing for Forestry Applications;**

- **Eleventh Session: Hyperspectral remote Sensing for Geological Applications;**
- **Twelfth Session: Hyperspectral Remote Sensing for Urban Studies;**
- **Thirteenth Session: Hyperspectral Remote Sensing for Water and snow cover Studies;**

Target Participants

- The course is designed for professionals from Central/ Sate Govt./Private Organizations/NGO engaged in remote sensing technology and its application in various fields like; forestry, agriculture, geology, mineral studies, water resources study.
- The course participants have to be duly sponsored by their university / institution and application should be forwarded through coordinators from respective Organisations/centres. Users attending programmes under CEC-UGC/ CIET / other networks can also participate. Institutions on high speed National Knowledge Network (NKN) can also participate using A-VIEW software.

Course Study Material

Course study materials like lecture slides, video recorded lectures, open source software & handouts of demonstrations, etc. will be made available through IIRS ftp link. Video lectures will also be uploaded on YouTube Channel (http://www.youtube.com/user/edusat2004).

Course Fee

There is no course fee.

Course Registration

- Course updates and other details will be available on URL- http://www.iirs.gov.in/Edusat-News/
- To participate in this programme the interested organizations/ universities/ departments/ Institutes has to identify a coordinator at their end. The identified coordinator will register online his/her Institute as nodal center in IIRS website.
- All the participants has to register online through registration page by selecting his/her organization as nodal center.

Course Funding & Technical Support

The programme is sponsored by National Natural Resources Management System – Standing Committee on Training and Education (SC-T), Indian Space Research Organisation, Department of Space, Government of India and is conducted with due technical support from Amrita Virtual Interactive E-learning World (A-VIEW).

Programme Reception

Programme can be received through Internet connectivity of 2Mbps or better. Following hardware and software set-up is required at user end:

Hardware Requirements :
High-end Computer/Laptop (Windows OS);
Good quality web camera ;
Headphone with Microphone;
Speakers ;
Large Display Screen (Projector or TV) .

Software and Internet Requirements
Desktop based: A-VIEW software (free to download from www.aview.in or IIRS ftp link: ftp://ftp.iirs.gov.in)
Online live access through http://live.iirs.gov.in with free registration.

Connectivity & Other configurations:
NKN or any other high speed internet facility (preferably without firewall, with minimum of 2 Mbps bandwidth)
Network requirements: Port 80 and RTMP (port 1935) protocol should be unblocked from user's computer and Firewall.

Note: Institutions/ universities have to bear total expenses for establishment of the classroom facility

Award of Certificate

Working Professionals and students: Based on 70% attendance and online examination.

Attendance Record for Course on Hyperspectral Remote Sensing and its Applications					
Registration Number	**Name**	**Total Sessions**	**No. of sessions attended**	**%ge of Attendance**	**Elligibility for Examination/Certificate**
20182937690	SAI RAJANARENDRA	14	12	85.71	Yes
20182937940	RAVI KUMAR	14	12	85.71	Yes
20182936414	PRAVEENA	14	14	100.00	Yes
20182937594	G	14	14	100.00	Yes
20182935353	SAKAM	14	14	100.00	Yes
20182936684	ASHOK	14	14	100.00	Yes
20182936428	BHARATHI	14	14	100.00	Yes
20182936400	NARESH	14	14	100.00	Yes
20182937520	MOUNIKA	14	14	100.00	Yes
20182936461	V M S N PAVAN KUMAR	14	14	100.00	Yes
20182936415	KURAKULA	14	14	100.00	Yes
20182937626	VUPPALAPATI	14	14	100.00	Yes
20182936025	SARAVANA KUMAR V	14	14	100.00	Yes
20182936723	NAGARAJAN	14	14	100.00	Yes
20182936432	BHARATHI	14	14	100.00	Yes
20182936403	MAHESH	14	14	100.00	Yes
20182937576	HARI	14	14	100.00	Yes
20182936464	GENE	14	14	100.00	Yes
20182936424	GURU	14	14	100.00	Yes
20182937642	MEENAKSHI	14	14	100.00	Yes
20182936073	LINGALA	14	14	100.00	Yes
20182937459	GOWTHAMI	14	14	100.00	Yes

20182936435	NEELAMEGAM	14	14	100.00	Yes
20182936407	VENKATANARESH	14	14	100.00	Yes
20182937589	PRUDVIRAJ	14	14	100.00	Yes
20182936530	MURARI	14	14	100.00	Yes
20182936426	DAMARAPATI	14	14	100.00	Yes
20182936330	MAHESWARI	14	14	100.00	Yes
20182937503	HARATHI	14	14	100.00	Yes
20182936444	VENKATARAMANAN	14	14	100.00	Yes
20182936411	SENTHIL KUMAR	14	14	100.00	Yes
20182937591	SNEHAGEETHA	14	14	100.00	Yes
20182935352	SAKAM	14	14	100.00	Yes
20182936683	VITHYALAKSHMI	14	14	100.00	Yes
20182936427	KATTA	14	14	100.00	Yes
20182936383	NEELIMA	14	14	100.00	Yes
20182937506	N.P.	14	14	100.00	Yes
20182936455	T	14	14	100.00	Yes

HOD, ECE

भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING

भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION

अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA

सत्यमेव जयते

इसरो isro

नामांकन सं॰/ Enrollment No. : 20182937690

बहिःपरिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

सहभागिता का प्रमाणपत्र/CERTIFICATE OF PARTICIPATION

यह प्रमाणित किया जाता है कि श्री राजा नरेंद्र एस, श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश को यह प्रमाण पत्र हाइपरस्पेक्ट्रल सुदूर संवेदन, और उसके अनुप्रयोग, पर आधारित पाठ्यक्रम पूर्ण करने पर प्रदान किया जाता है। उक्त पाठ्यक्रम इस संस्थान द्वारा 19 फरवरी, 2018 से 13 मार्च, 2018 तक संचालित किया गया।

This is to certify that **MR. SAI RAJANARENDRA S** from **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh** has been awarded this certificate on having completed the course on **"Hyperspectral Remote Sensing and its Applications"** conducted by this institute from February 19, 2018 to March 13, 2018.

दिनांक/ Date: 17-04-2018
देहरादून/ Dehradun

समन्वयक,
विश्वविद्यालय/संस्थान
Coordinator University/ Institution

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Head, Geoweb Services, IT & Distance Learning Department, IIRS

पाठ्यक्रम निदेशक,
Course Director, IIRS

समूह निदेशक,
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Director, Geospatial Technologies & Outreach Programme Group, IIRS

निदेशक,
आई॰आई॰आर॰एस॰
Director, IIRS

भारतीय सुदूर संवेदन संस्थान/ INDIAN INSTITUTE OF REMOTE SENSING

भारतीय अंतरिक्ष अनुसंधान संगठन/ INDIAN SPACE RESEARCH ORGANISATION

अंतरिक्ष विभाग, भारत सरकार/ DEPARTMENT OF SPACE, GOVERNMENT OF INDIA

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COR293592018

बहि:परिसर संपर्क/विस्तार कार्यक्रम प्रमाण पत्र
OFF - CAMPUS OUTREACH CERTIFICATE PROGRAMME

संस्थान की भागीदारी का प्रमाण पत्र
CERTIFICATE OF PARTICIPATION OF INSTITUTE

यह प्रमाणित किया जाता है कि **श्री विद्यानिकेतन अभियांत्रिकी महाविद्यालय, तिरुपति, आंध्र प्रदेश** ने भारतीय सुदूर संवेदन संस्थान, इसरो देहरादून द्वारा संचालित ऑनलाइन प्रशिक्षण पाठ्यक्रम **"हाइपरस्पेक्ट्रल सुदूर संवेदन, और उसके अनुप्रयोग"** मे भाग लिया। इस ऑनलाइन पाठ्यक्रम का संचालन दिनांक 19 फरवरी, 2018 से 13 मार्च, 2018 तक किया गया।

This is to certify that **Sree Vidyanikethan Engineering College Tirupati Andhra Pradesh**, has participated in online training programme conducted by Indian Institute of Remote Sensing, ISRO Dehardun on **"Hyperspectral Remote Sensing and its Applications"**. This online programme was conducted during February 19, 2018 to March 13, 2018.

दिनाँक/ Date:
17-04-2018
देहरादून/ Dehradun

प्रमुख,
जियोवेब सर्विसेस, सूचना प्रौद्योगिकी एवं दूरस्थ अधिगम विभाग
Geoweb Services, IT & Distance Learning Department, IIRS

समूह
भू-स्थानिक प्रौद्योगिकी एवं आउटरीच कार्यक्रम समूह
Group Director, Geospatial Technologies & Outreach Programme Group, IIRS

Department of Electronics and Communication Engineering

A Report on

29th IIRS Outreach Programme on "Hyperspectral Remote Sensing and Its Applications"

Programme   : 29th   IIRS Outreach Programme
Date   **:** February 19 –13 March, 2018
Target Group: Faculty and students from SVEC.

No. of participants: 39

The 29th   IIRS EDUSAT Outreach Programme on Hyperspectral Remote Sensing and Its Applications was held at Room No. 520,MNS Block, Sree Vidyanikethan Engineering college from February 19 –13 March, 2018 with Dr. A.B Yadav, Associate professor, as course coordinator. 39 participants attended the training workshop and successfully completed.

About IIRS Distance Learning:

With the advent of Information and Communication Technology and improved broadband internet connectivity has enhanced the scope of learning any time anywhere, going beyond the traditional classroom approach. To support distance learning, Indian Space Research Organisation, Government of India has launched dedicated communication satellite called EDUSAT in 2004. The satellite is widely used for variety of applications like Tele-education, Tele-medicine, Village Resource Centres, mobile satellite services, disaster management support and television broadcasting educating farmers for agriculture and other purposes. One of the prime applications of EDUSAT satellite is tele-education at various levels (i.e. school level/UG /PG level) by different ministries / autonomous organizations / departments/institutions/universities in India effectively utilized the EDUSAT for Tele-education.

The initial focus of IIRS was to use EDUSAT/INSAT 4CR satellite for distance learning but extended the scope to use internet so that access to large number of institutions/universities /individuals with little cost the User. Today this programme is linking more professional and user departments and ministries in the country to develop

their skills in geospatial technologies and its applications. The IIRS outreach programme is being conducted through following two major modes:

Live and Interactive classroom sessions (also known as EDUSAT) and

E-learning based online courses.

The live and interactive mode of distance learning is through Internet and A-view software platform developed by Amrita e-learning Lab in collaboration with Ministry of Human Resource Development (MHRD) Government of India. The live classroom session are being conducted during 4:00 PM to 5:30 PM on daily basis through state of art studio facility setup in the Institute.

IIRS has setup a state-of-art studio facility and control room to broadcast live and interactive classroom sessions and practical demonstrations through its Distance Learning Center. The high definition video quality can be broadcast to its user for better quality transmission.

About the Course :

Hyperspectral remote sensing deals with measurements in a large number of narrow spectral bands over a contiguous spectral range. Because of its ability to detect narrow absorption features hyper spectral data are related to specific vegetation physio-chemical characteristics, soil physical and chemical properties, mineral composition and snow characteristics, mapping tree species, recognizing invasive plants, and identifying key geologic features. However, because of presence of a large number of Bands, hyperspectral data needs different analysis approach including feature reduction, feature selection, removal of noise, detection of absorption features, advance classification techniques. This course will make the participants aware about hyperspectral remote sensing, hyper spectral data processing and its applications. This course will have thirteen sessions. First to eighth sessions will mainly be focused on topics related to hyper spectral remote sensing, ground spectro-radiometer and processing techniques; while ninth to thirteenth sessions will focus on application of hyper spectral data in five application areas.

Objectives of the Course:
1. To provide an opportunity for individuals to learn Hyperspectral Remote Sensing and Its Applications for the benefit of their professional career.
2. To provide considerable flexibility allowing students to quickly gain knowledge on Close Range Photogrammetry and Terrestrial Laser Scanning Hyperspectral Remote Sensing and Its Applications and to add to their credentials.
3. To empower students undertake this course to develop their knowledge and understanding through formal coursework and a program of independent reading.

HOD, ECE

Three-Day On-site Training under Faculty Development Programme

On

"MATLAB-Signal Processing with Simulink"

(7th -9th February 2018)

sponsored by

Capricot Technologies
Hyderabad

Hosted by

Department of Electronics & Communication Engineering

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Approved by AICTE, New Delhi, Affiliated to JNTUA, Anantapuramu, Accredited by NAAC with 'A' Grade

Sree Sainath Nagar, Tirupati, Andhra Pradesh - 517102

Department of Electronics & Communication Engineering

"3 day On-site Training under Faculty Development Program on MATLAB-Signal Processing with Simulink"

Sponsored by

Capricot Technologies

&
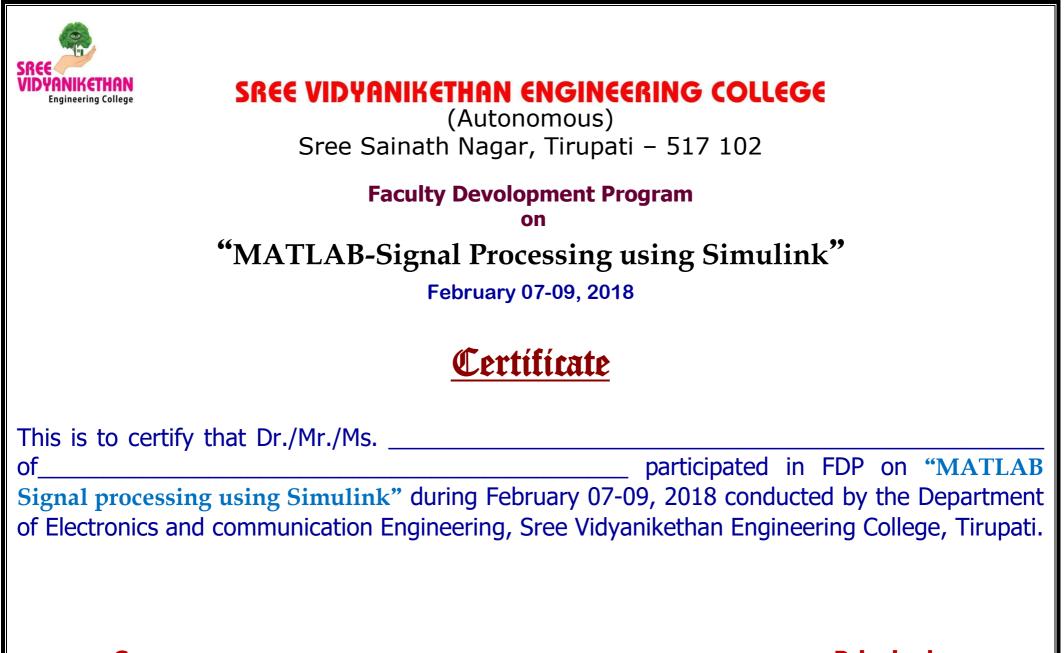
Organized by Sree Vidyanikethan Engineering College (AUTONOMOUS)

Feb 7-9th, 2018

Attendance Sheet

S. No	Name of the Participant	07-02-18 FN	07-02-18 AN	08-02-18 FN	08-02-18 AN	09-02-18 FN	09-02-18 AN
1.	Mr. M. Muni Sankar						
2.	Divya Recharla						
3.	Mrs. M. LAKSHMI PRASANNA						
4.	Dr.M.Janardhana Raju						
5.	K Siva Chandra						
6.	K Ravindra Reddy						
7.	Dr. D. Leela Rani						
8.	Dr. P. Geetha						
9.	Mr. T. Ravikumar Naidu						
10.	Mr. P. V. Mahesh						
11.	Gurukumar Lokku						
12.	Dr. Ranjeet Kumar						
13.	Y Penchalaih						
14.	Mr.K.Manjunath						
15.	Mr.K.Prabhakar Reddy,						
16.	Suresh Babu						
17.	Shaik Mohammad Rafi B						
18.	Swarna Ashok						
19.	Dr.G.Mamatha						
20.	Smt.D.Lalitha Kumari						

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Sree Sainath Nagar, Tirupati – 517 102

Faculty Devolopment Program
on

"MATLAB-Signal Processing using Simulink"

February 07-09, 2018

Certificate

This is to certify that Dr./Mr./Ms. _____ of_____ participated in FDP on "MATLAB Signal processing using Simulink" during February 07-09, 2018 conducted by the Department of Electronics and communication Engineering, Sree Vidyanikethan Engineering College, Tirupati.

Convener   **Principal**

A Report on
"MATLAB-Signal Processing with Simulink"

Programme : Three-Day On-site Training under Faculty Development
Programme
Date : Feb 7-9th, 2018
Target Group : Faculty from SVEC and other college in AP.

No. of participants : 20

Collaborated with: Capricot Technologies, Hyderabad & MathWorks,
Bangalore, India.

A Three-Day On-site Training under Faculty Development Programme was organized by department of ECE, SVEC from 7th to 9th Febrauary, 2018. This programme was conducted in Six sessions over three day. Majorly the course was targeted toward new users of Simulink®, uses basic modeling techniques and tools to demonstrate how to develop Simulink block diagrams for signal processing applications.

Details of the Resource person:
Name of the Technical Person : **Elza John**
Designation : **Training Engineer**
MathWorks India Private Limited Bangalore
Email Id : Elza.John@mathworks.in

Day 1
Session 1: Forenoon

The main objective of this session is to introduce Simulink.and Simulink add-ons. To explore the Simulink interface and block libraries. Build a simple model and analyze the simulation results. To explore Model discrete

dynamic systems, and visualize frame-based signals and multichannel signals using a scope.

Session 2: AfterNoon

This session focuses on Model logical expressions in which how zero-crossing detection is used in Simulink and model simple logic in Simulink using MATLAB code. This session also includes includes Create a model from an algorithm specification. Modeling from algorithmic specifications, Iterative algorithm development through modeling and simulation, Verifying models against specified algorithms.

Day 2
Session 1: Forenoon

In this session trainee focuses on What is a mixed-signal model, Modeling an ADC with aperture jitter and nonlinearity, Case study: Modeling TI's ADS62P29 ADC. Also explored on the Simulink solver including Solving simple models Solving models with discrete and continuous states, Solving models with multiple rates, Fixed-step and variable-step solvers, Choosing a continuous-state system solver, Handling zero crossings, Handling algebraic loops

Session 2: AfterNoon

In this session, resource person focused to Create custom blocks in Simulink, apply masks, and develop custom libraries, Model systems with parts that are executed conditionally. And also explores the Perform spectral analysis in the Simulink environment, and use spectrum computation in an algorithm that includes Performing spectral analysis with the Spectrum Scope block, Choosing spectral analysis parameters, Analyzing power spectrum of a motor noise, Building a spectral classifier of speech, Determining the frequency response of a discrete system

Day 3
Session 1: Forenoon

In this session, trainee focused on Designing and Applying Filters, Multirate Systems, Incorporating External Code. The main objective of this session is Incorporate filters in a model, and explore different ways filters can be designed and implemented in a Simulink model, Model multirate systems. Resample data and explore multirate filter blocks, Import or incorporate custom or external MATLAB and C code into a Simulink model.

Session 2: AfterNoon

In this session, resource person focused on Combining Models into Diagrams, Automating Modeling Tasks,Fixed-Point Design which includes Explore model integration, an important topic for large-scale projects in which several developers are developing different portions of a large system, Control and run Simulink models from the MATLAB command line. Also

introduced Fixed-Point Tool to convert your Simulink model to fixed point.-Fixed-Point Designer workflow, Using Fixed-Point Advisor, Using Fixed-Point Tool, Command-line interface.

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tvsgowtham@gmail.com

elza.john@mathworks.in

080 6632 6009

Technical Support

support@mathworks.in

080 6632 6000

HOD, ECE

Department of Electronics and Communication Engineering

A Report on

"Antenna Design and Simulation using FEKO Software"

Programme : Two Day Faculty Development Programme
Date : Jan 19-20, 2018
Target Group : Faculty from SVEC and other college in AP.

No. of participants : 40

Collaborated with: Altair India Ltd., & Silicon Microsystems, Bengaluru, India.

A Two-Day Faculty Development Programme was organized by department of ECE, SVEC from 19th to 20th January, 2018. This programme was conducted in Six sessions over two days. Majorly the course was targeted toward new users of FEKO, uses basic design and simulation of antennas using various mathematical techniques like Method of Moments, Finite Difference Techniques, and tools to demonstrate how to develop antennas for Various Telecommunication and security applications.

Details of the Resource person:
Name of the Technical Person : **Ms. Soundarya Venkatesan**
Designation : **Application Engineer**
    Altair India Ltd., & Silicon Microsystems, Bengaluru

Introduction

Antennas provide substantial benefits in various sectors, including Telecommunications, Transport of Goods, Identification of Animals,

Maintenance of Library, etc. With the advent of new tools, the computer aided design of Antennas has enormously improved design and reduced the manufacturing costs. The challenges in design, maintenance of norms and safety measures can be addressed now with new antenna related tools.

Research and development in Antennas have been growing in the public and private sectors in both developed and developing countries. It is becoming clear that in order to achieve the expected goals promised by Industry and government organizations, the world community must ensure that direct, forthright global governance of these technologies is to be addressed.

In the light of these developments, Sree Vidyanikethan Engineeirng College, Tirupati in collaboration with Altair Company, has organized a Two Day Faculty Development Program on Antenna Design and Simulation using FEKO Software as a forum on new and emerging applications of Antennas in Telecommunications, Textile Industry, etc.

The purpose of the seminar is to review the state-of-the-art of R&D of nanotechnology for the Telecommunication sector and to analyze problems with possible solutions in desired radiation pattern achievement.

The faculty development program is aimed to: –

- identify those emerging applications of antennas which are considered as having the greatest potential in providing broad equitable social benefits;

- promote research collaboration and partnerships among Engineering and Industry professionals on issues in design of antennas; and

- promote a harmonized approach toward the assessment and management of potential human health and environmental risks that may be associated with the application of antennas in the areas of Telecommunication.

This faculty development program is to bring together leading scientists, key stakeholders and experts, in order to promote the presentation of research and industry results and the discussion of experiences.

Objectives of FDP

The faculty development program has been planned to meet the following objectives:

1. To provide Hands-on experience on Tool.

2. To design and simulate various types of antenna using FEKO Software.

3. To cover various research challenging topics in antennas for industrial applications.

Program Schedule

Date	Time	Program
19-01-2018	10:00AM to 10:30AM	Inauguration Function
	10:45AM to 01:00PM	Introduction to FEKO Software and Practical Antennas
	02:00PM to 03:30PM	Design of Dipole and Simulation in FEKO Software
	03:45PM to 05:00PM	Design of Horn Antenna and Simulation in FEKO Software
20-01-2018	09:00AM to 10:30AM	Design of Parabolic Reflector and Simulation in FEKO Software
	10:45AM to 01:00PM	Design of Parabolic Reflector with Horn Feed and Simulation in FEKO Software
	02:00PM to 03:30PM	Design of Microstrip Patch Antenna and Simulation in FEKO Software
	03:45PM to 05:00PM	Valedictory Function and Feed Back Session

SESSION WISE DETAILS OF THE PROGRAM

Session 1: Introduction to FEKO Software and Practical Antennas

The speaker emphasized the importance of Computer Aided Tools and Antennas. She highlighted the capabilities of FEKO Software and their applications in various areas of our daily life.

She explained the importance of various mathematical methods in the design of antenna. Further she described about the practical antennas designed by the Altair company.

Session 2: Design of Dipole and Simulation in FEKO Software

In the second session of the first day, the expert frequency based Dipole Design and its simulation in FEKO software tool. She emphasized the effect of change n a small value of length due to rounding of values in the radiation pattern, gain, directivity, etc.

Session 3: Design of Horn Antenna and Simulation in FEKO Software

This session started with an introduction to design of horn antenna and its applications. The horn antenna was designed at ISM band and simulation was performed using FEKO Software and the results were observed for various changes in the design parameters.

Photos

Session 4: Design of Parabolic Reflector and Simulation in FEKO Software

The expert opened up the session on the topic of solution for high gain antennas. The design of parabolic antenna was discussed. The same was simulated in FEKO Software and the results were observed and assessed .

Session 5: Design of Parabolic Reflector with Horn Feed and Simulation in FEKO Software

The expert justified and designed a parabolic reflector with horn feed and the same was simulated in FEKO Software and the results were assessed. These results were compared with parabolic reflector with dipole feed and were found to enormously good in terms of gain and directivity.

Session 6: Design of Microstrip Patch Antenna and Simulation in FEKO Software

This session started with the design of Microstrip Patch Antenna and its simulation in FEKO Software. Further the intricacies in selection of simulation environment was enlightened. Also the development of nano level structures with various compositions and design structures were discussed. Finally the session was closed with participants interaction with Expert.

Photos

HOD, ECE

TWO DAY
FACULTY DEVELOPMENT PROGRAM
ON
ANTENNA DESIGN AND SIMULATION USING FEKO SOFTWARE
(19th & 20th JAN' 2018)

SREE VIDYANIKETHAN
Engineering College

In association with

Silicon microsystems

Altair FEKO

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
Sree Sainath Nagar, Tirupati-517102,
Chittoor Dist., A.P.
Ph: +91-877-2236711 (4 lines) Ext. 434
www.vidyanikethan.edu

Sree Vidyanikethan Engineering College

(Autonomous)

Sree Sainath Nagar – 517 102, TIRUPATI

Proceedings of

Industry Sponsored Two days Faculty Development Program on "Antenna Design and Simulation using FEKO Software"
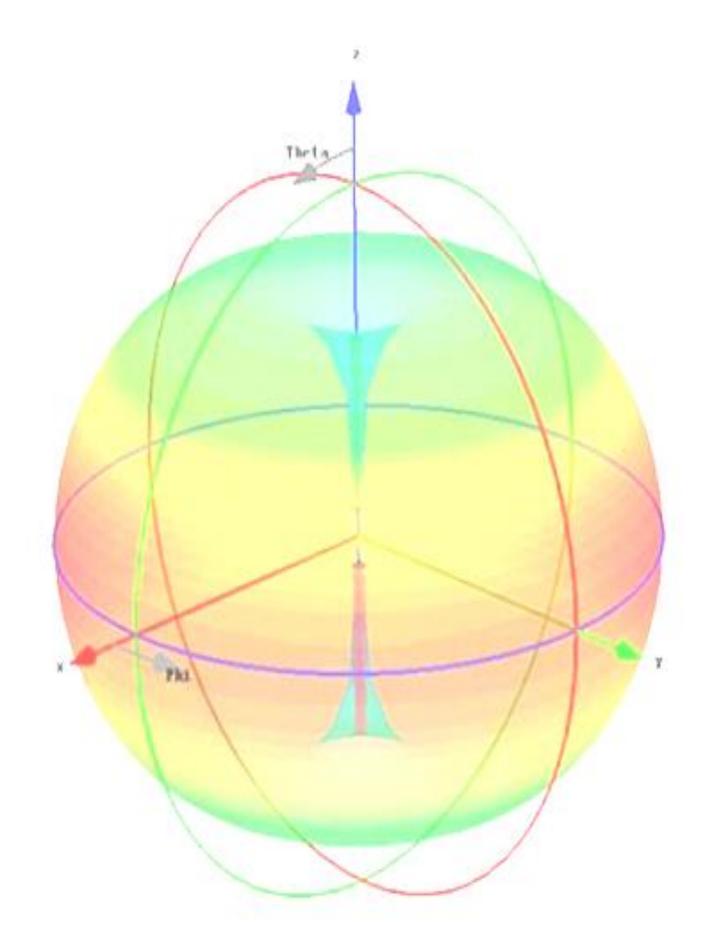
19th and 20th of Jan' 2018

In association with

Organized by

Department of Electronics and Communication Engineering

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517 102 (A.P), INDIA

Ph: +(91) 877-2236711-14   Fax: 0877-2236717

www.vidyanikethan.edu

CONTENTS

Introduction

Antennas provide substantial benefits in various sectors, including Telecommunications, Transport of Goods, Identification of Animals, Maintenance of Library, etc. With the advent of new tools, the computer aided design of Antennas has enormously improved design and reduced the manufacturing costs. The challenges in design, maintenance of norms and safety measures can be addressed now with new antenna related tools.

Research and development in Antennas have been growing in the public and private sectors in both developed and developing countries. It is becoming clear that in order to achieve the expected goals promised by Industry and government organizations, the world community must ensure that direct, forthright global governance of these technologies is to be addressed.

In the light of these developments, Sree Vidyanikethan Engineeirng College, Tirupati in collaboration with Altair Company, has organized a Two Day Faculty Development Program on **Antenna Design and Simulation using FEKO Software** as a forum on new and emerging applications of Antennas in Telecommunications, Textile Industry, etc.

The purpose of the seminar is to review the state-of-the-art of R&D of nanotechnology for the Telecommunication sector and to analyze problems with possible solutions in desired radiation pattern achievement.

The faculty development program is aimed to: –

- identify those emerging applications of antennas which are considered as having the greatest potential in providing broad equitable social benefits;

- promote research collaboration and partnerships among Engineering and Industry professionals on issues in design of antennas; and

- promote a harmonized approach toward the assessment and management of potential human health and environmental risks that may be associated with the application of antennas in the areas of Telecommunication.

This faculty development program is to bring together leading scientists, key stakeholders and experts, in order to promote the presentation of research and industry results and the discussion of experiences.

Objectives of the Faculty Development Program

The faculty development program has been planned to meet the following objectives:

1. To provide Hands-on experience on Tool.

2. To design and simulate various types of antenna using FEKO Software.

3. To cover various research challenging topics in antennas for industrial applications.

Program Schedule

Date	Time	Program
19-01-2018	10:00AM to 10:30AM	Inauguration Function
	10:45AM to 01:00PM	Introduction to FEKO Software and Practical Antennas
	02:00PM to 03:30PM	Design of Dipole and Simulation in FEKO Software
	03:45PM to 05:00PM	Design of Horn Antenna and Simulation in FEKO Software
20-01-2018	09:00AM to 10:30AM	Design of Parabolic Reflector and Simulation in FEKO Software
	10:45AM to 01:00PM	Design of Parabolic Reflector with Horn Feed and Simulation in FEKO Software
	02:00PM to 03:30PM	Design of Microstrip Patch Antenna and Simulation in FEKO Software
	03:45PM to 05:00PM	Valedictory Function and Feed Back Session

INVITATION

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)
Sree Sainath Nagar, A. Rangampet – 517102

Department of Electronics and Communication Engineering

Cordially invites you

to

Two day Faculty Development Program

On
"Antenna Design and Simulation using FEKO
Software"

19th & 20th January, 2018

Resource Person:

Ms. Soundarya Venkatesan
Application Engineer
Altair India Ltd., & Silicon Microsystems, Bengaluru

Date	: 19th & 20th January, 2018
Time	: 09.00 AM
Venue	: Room No. 304, West Block
Target Group	: Faculty, Research Scholars, Industry Experts

SESSION WISE DETAILS OF THE PROGRAM

Session 1: <u>Introduction to FEKO Software and Practical Antennas</u>

The speaker emphasized the importance of Computer Aided Tools and Antennas. She highlighted the capabilities of FEKO Software and their applications in various areas of our daily life.

She explained the importance of various mathematical methods in the design of antenna. Further she described about the practical antennas designed by the Altair company.

Session 2: <u>Design of Dipole and Simulation in FEKO Software</u>

In the second session of the first day, the expert frequency based Dipole Design and its simulation in FEKO software tool. She emphasized the effect of change n a small value of length due to rounding of values in the radiation pattern, gain, directivity, etc.

Session 3: <u>Design of Horn Antenna and Simulation in FEKO Software</u>

This session started with an introduction to design of horn antenna and its applications. The horn antenna was designed at ISM band and simulation was performed using FEKO Software and the results were observed for various changes in the design parameters.

Session 4: <u>Design of Parabolic Reflector and Simulation in FEKO Software</u>

The expert opened up the session on the topic of solution for high gain antennas. The design of parabolic antenna was discussed. The same was simulated in FEKO Software and the results were observed and assessed .

Session 5: <u>**Design of Parabolic Reflector with Horn Feed and Simulation in FEKO Software**</u>

The expert justified and designed a parabolic reflector with horn feed and the same was simulated in FEKO Software and the results were assessed. These results were compared with parabolic reflector with dipole feed and were found to enormously good in terms of gain and directivity.

Session 6: <u>**Design of Microstrip Patch Antenna and Simulation in FEKO Software**</u>

This session started with the design of Microstrip Patch Antenna and its simulation in FEKO Software. Further the intricacies in selection of simulation environment was enlightened. Also the development of nano level structures with various compositions and design structures were discussed. Finally the session was closed with participants interaction with Expert.

Registration Form (Left Panel)

TWO DAY
FACULTY DEVELOPMENT PROGRAM ON

ANTENNA DESIGN AND SIMULATION USING FEKO SOFTWARE

(19th & 20th JAN' 2018)

REGISTRATION FORM

Name: _____

Designation: _____

Organization: _____

Address for Correspondence:
_____
_____
_____ Pin Code:_____

DD No: _____ Date: _____

Phone: _____

E-mail: _____

Place: _____ Date:_____

Applicant's Signature

Signature of the Head of Institution/
Sponsoring Authority
(for sponsored candidates)

Middle Panel

Chief Patron
Dr. M. Mohan Babu
Chairman, SVET

Patron
Dr. P.C. Krishnamachary
Principal, SVEC

Advisors
Dr. T. Lazar Mathew Research Advisor, SVEI
Dr. D.V.S. Bhagavanulu Director, SVEC
Dr. C. Subhas Professor & Dean(Academics), SVEC
Dr. P.V. Ramana Professor & Head of ECE, SVEC

Convener
Dr. V. R. Anitha, Professor, ECE

Coordinators
Ms. K. Neelima, Assistant Professor, ECE
Ms. K. Sudha, Assistant Professor, ECE
Mr. G. Guru Prasad, Assistant Professor, ECE
Mr. Sai Raja Narendra, Assistant Professor, ECE

Organizing Committee
Dr. N. Padmaja, Assistant Professor, ECE
Dr. N. Gireesh, Assistant Professor, ECE
Dr. D. Leela Rani, Assistant Professor, ECE
Mr. K. S. Chakradhar, Assoc. Professor, ECE
Mr. S. Thulasi Prasad, Assoc. Professor, ECE
Dr. P. Geetha, Assoc. Professor, ECE
Dr. A. B. Yadav, Assoc. Professor, ECE
Dr. N. Vithyalakshmi, Assoc. Professor, ECE
Dr. B. Senthil Kumar, Assoc. Professor, ECE
Dr. C. Venkataramanan, Assoc. Professor, ECE
Dr. V. V. Satyanarayana, Assoc. Professor, ECE
Dr. N. Ashok Kumar, Assoc. Professor, ECE
Dr. P. Nagarajan, Assoc. Professor, ECE
Dr. G. Arul Elango, Assoc. Professor, ECE
Mr. R. Nagendra, Asst. Professor (SL), ECE
Mr. P. Madhu Kumar, Asst. Professor (SL), ECE
Mr. T.V.S.Gowtham Prasad, Asst. Professor (SL), ECE
Ms. M. Bharathi, Asst. Professor, ECE
Ms. M. D. Praveena, Asst. Professor, ECE
Mr. T. Krishnamurthy, Asst. Professor, ECE
Mr. T. Ravi Kumar Naidu, Asst. Professor, ECE
Mr. M. Naresh Babu, Asst. Professor, ECE
& Faculty, Dept. of ECE.

Right Panel

TWO DAY
FACULTY DEVELOPMENT PROGRAM ON
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www.vidyanikethan.edu

College Profile

The College was established in 1996 by Sree Vidyanikethan SWW renowned Film Artiste and Former Member of Parliament (Rajya Sabha). The College has initial intake of 180 students to serve the cause of technical education in the backward region of Rayalaseema. The intake has increased exponentially to 2112 in 2017-18. The College now offers 8 B.Tech programs; 8 M.Tech programs; MCA Program; and 3 Doctoral Programs. AICTE has also accorded permission for 2nd Shift Polytechnic from the academic year 2009-10 and presently 5 Diploma courses are being offered. Today, Sree Vidyanikethan Engineering College is one of the largest, most admired and sought after Institutions in Andhra Pradesh. The College is approved by AICTE and affiliated to JNTUA, Ananthapuramu. The College has been accorded Autonomous Status by the UGC, New Delhi in 2010-11 which was extended for six years (from 2016-17 to 2021-22).

The College is known for its quality initiatives which are amply reflected in accreditations by National Board of Accreditation (NBA) for UG & PG programs, National Assessment and Accreditation Council (NAAC) with 'A' Grade and many multinational organizations such as TCS, WIPRO & IBM. The College is successfully implementing TEQIP-II under Sub-component 1.1: Strengthening Institutions to improve Learning Outcomes and Employability of Graduates, funded by the Ministry of HRD, Govt. of India. The College has been accorded "UGC-Colleges with Potential for Excellence" status under CPE Scheme by UGC, New Delhi. It also has been accorded 'GOLD' category by CII-AICTE Survey; and was conferred with 'A' Grade by Department of Higher Education, Andhra Pradesh. The college participated in National Institution Ranking Frame Work (NIRF), 2017 and stood within the Rank Band: 151-200. SIEMENS established 6 State-of-the art t-SDI laboratories

Courses Offered

The college offers B. Tech Programs in ECE, CSE, IT, EEE, EIE, CSSE, Civil, Mech. The college also offers M. Tech. in DECS, VLSI, CMS, CS, CNIS, SE, EPS, PED & MCA along with Ph.Ds in ECE, EEE & CS.

About Tirupati

Tirupati is famous for Sri Venkateswara Swamy temple dedicated to Lord Venkateswara, located about 15 kilometers North West of Tirupati in Tirumala hills at an elevation of 853 meters (2,799 ft). It is one of the most important pilgrimage centers in the World and the temple draws millions of pilgrims and is the busiest pilgrimage centre in the world. Also, the city is a major economic and educational hub in the southern region of the state.

Route

15 km from the temple town of Tirupati on Tirupati – Madanapalle National Highway No. 205

About the Department

The core strength of any College/University lies in the quality of its faculty. The Department of Electronics & Communication Engineering has a team of highly motivated and dedicated faculty to the cause of academics and striving to do the best in the interest of the College and its students.

The Department of Electronics and Communication Engineering offers an Undergraduate program in Electronics and Communication Engineering and three Postgraduate programs in DECS, VLSI, and CMS Specializations. The Department has been recognized as research centre by JNTUA, Anantapuramu. The department has full time Ph.D Scholars, and JRFs. In addition department has established Research Laboratories like National MEMS Design Centre, Antenna Research Lab and Nanoelectronics Lab. The department is undertaking research projects from DST, AICTE, ISRO, INUP, Govt of A.P. & etc.,

About Company and Product:

Silicon microsystems, Bangalore is Authorised sole distributors for Altair India ltd., SIMS conducted & supported more than 250 seminars, workshop, conference across India to train the trainers in niche technologies like., VLSI, EMBEDDED, COMMUNICATION, AUTOMATION AND ROBOTICS since 1998.

FEKO brand belongs to Altair India ltd., USA

FEKO is a comprehensive electromagnetic simulation software tool for the electromagnetic field analysis of 3D structures. It offers multiple state-of-the-art numerical methods for the solution of Maxwell's equations, enabling its users to solve a wide range of electromagnetic problems encountered in various industries.
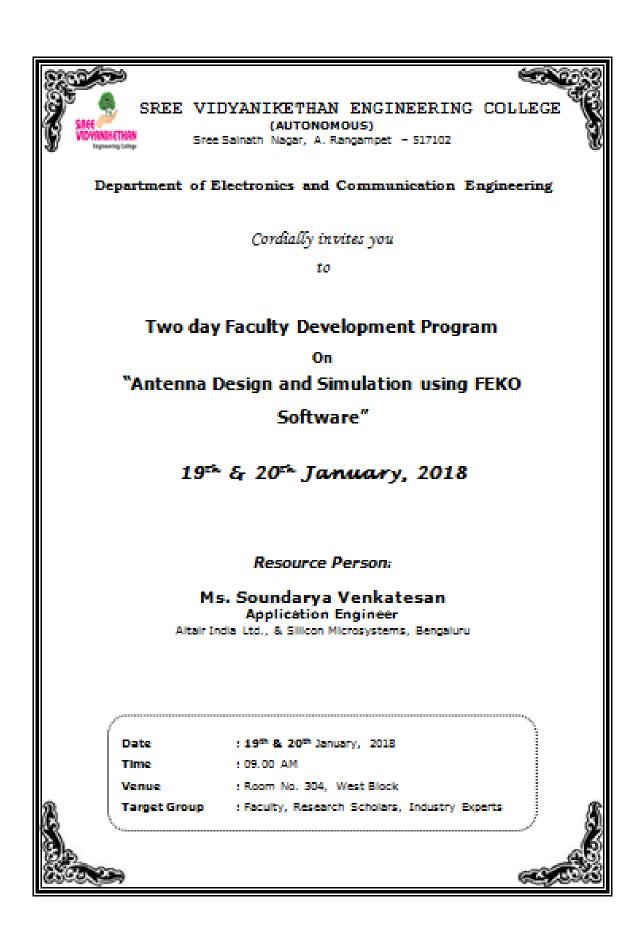
The objectives of the FDP are:
- To provide hands on experience with the tool.
- To design and simulate various types of antenna using FEKO software.
- To cover various research challenging topics in antennas for industrial applications.

Resource Persons:

Design and Application Engineers from Altair India ltd., &Silicon Microsystems, Bengaluru.

Who can attend

The FDP is open to faculty, research scholars, PG Students from the institutions recognized/Approved by AICTE, Engineers from the industry and other organizations, working on Antenna and communication.

Registration Fee details:

Faculty from Academia: Rs.750/-
PG Students: Rs.500/-
- Scanned copies of filled registration form and DD should be sent by email to adsufs2k18@gmail.com.
- Original DD and registration hardcopy should be submitted at the time of registration.

DD Details:

DD Should be drawn in favour of "The Principal, Sree Vidyanikethan Engineering College", Payable at Andhra Bank, Sree Vidyanikethan Branch, A, Rangampet.

Important Dates:

Last date for Registration: 16th January 2018.
Number of registrants is limited to a maximum of 40.

Boarding & Lodging
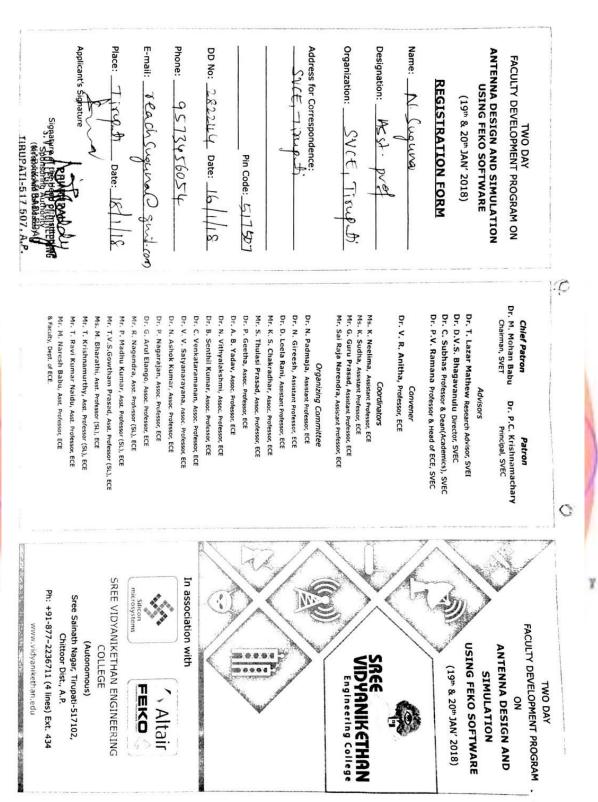
Boarding, Lodging and travel expenses shall be borne by the participants. Several good hotels and lodges with reasonable price are available in & around Tirupati. Participants may contact directly for their accommodation in Hotels.

Contact Persons:

Ms. K. Neelima,
Assistant Professor, ECE
9966547895,
adsufs2k18@gmail.com

Ms. K. Sudha,
Assistant Professor, ECE
9440809241,
adsufs2k18@gmail.com

Annexure-II (Registration Form)

TWO DAY FACULTY DEVELOPMENT PROGRAM ON ANTENNA DESIGN AND SIMULATION USING FEKO SOFTWARE
(19th & 20th JAN' 2018)

REGISTRATION FORM

Name: _N. Suguna_

Designation: _Asst. Prof_

Organization: _SVCE, Tirupati_

Address for Correspondence: _SVCE, Tirupati_

Pin Code: _517507_

DD No: _282214_ Date: _16/1/18_

Phone: _9573956054_

E-mail: _teachsuguna@gmail.com_

Place: _Tirupati_ Date: _16/1/18_

Applicant's Signature

Signature of the Head of the Institution
Sponsoring Authority with seal
TIRUPATI-517 507, A.P.

Chief Patron
Dr. M. Mohan Babu
Chairman, SVET

Patron
Dr. P.C. Krishnamachary
Principal, SVEC

Advisors
Dr. T. Lazar Mathew Research Advisor, SVEI
Dr. D.V.S. Bhagavanulu Director, SVEC
Dr. C. Subhas Professor & Dean(Academics), SVEC
Dr. P.V. Ramana Professor & Head of ECE, SVEC

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Dr. V. R. Anitha, Professor, ECE

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Ms. K. Sudha, Assistant Professor, ECE
Mr. G. Guru Prasad, Assistant Professor, ECE
Mr. Sai Raja Narendra, Assistant Professor, ECE

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Mr. M. Naresh Babu, Asst. Professor, ECE
& Faculty, Dept. of ECE.

TWO DAY FACULTY DEVELOPMENT PROGRAM ON ANTENNA DESIGN AND SIMULATION USING FEKO SOFTWARE
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(AUTONOMOUS)

SREE VIDYANIKETHAN
Engineering College

Department of Electronics and Communication Engineering

SVEC in Association with Altair and Silicon Microsystems
Organized

TWO DAY FACULTY DEVELOPMENT PROGRAM
ON
"Antenna Design and Simulation using FEKO Software"
(19TH & 20TH JAN' 2018)

REGISTRATION FORM

S. No.	Name of the Participant	Designation & Department	Organization	Email-id	Phone No.	Signature
1.	M. BHARATHI	Asst Professor - ECE	SVEC	bharathi8q1 @ gmail. com	8985748274	M.B Th.
2.	Ms.G. KOMALA YADAV	Asst. Prof. ECE	SVEC	komalatpte@gmail.com	8555855640	
3.	Dr. D. Leela Rani	Professor, ECE	SVEC	dlr5rani79 @ gmail.com	9441151699	
4.	K. Maheswari	Research Scholar (JNTUA)	SVEC	Kmaheswari 2009@gmail.com	9849974776	
5.	H.D. Praveena	Assc. Prof.enn, ECE	SVEC	hdpraveena@gmail.com	9704657716	
6.	P.V. Mahesh	Asst. Professor, ECE	SVEC	mahesh.vitx@gmail.com	9700085843	

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
Sree Sainath Nagar, Tirupati-517102, Chittoor Dist., A.P.
www.vidyanikethan.edu

Certificate

This is to certify that _Ms. K. Neelima, Assistant professor_

of _Sree Vidyanikethan Engineering College_

has participated in Two day Faculty Development Program on

"ANTENNA DESIGN AND SIMULATION"

using FEKO-EM Simulation Tool

on 19th and 20th January 2018

Conducted by

Department of Electronics and Communication Engineering

in association with

Altair | FEKO

Silicon microsystems
www.simsindia.net

Dr. V. R. Anitha,
Convener, Professor, ECE,
SVEC

Dr. P. Venkat Ramana
Professor & Head of ECE,
SVEC

Mr. M.S. Jayachandra Aradhya
CEO,
Silicon microsystems

Dr. P.C. Krishnamachary
Principal,
SVEC

Annexure-IV (Feedback Form)
(Sample)

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
Sree Sainath Nagar, A.Rangampet – 517 102

Department of Electronics and Communication Engineering

SVEC in association with Altair and Silicon Microsystems

Organized

Two days Faculty Development Program
On
"Antenna Design and Simulation using FEKO Software"
(19th & 20th January, 2018)

Feedback Form

Date: 19-01-2018

Please rate the following parameters **A-Excellent, B-Very Good, C-Good, D-Fair.**

S.No	Points to Evaluate	Session 3 A	B	C	D	Comments
1.	The aim and objectives of the seminar are met	✓				
2.	The seminar was started at scheduled time	✓				
3.	The facilities provided were satisfactory	✓				
4.	The session is clear and well organized	✓				
5.	The speaker was interactive and effective	✓				
6.	The presenter responded to questions in a satisfactory manner	✓				
7.	Overall, the session was informative and valuable	✓				
8.	How would you rate this session overall?	✓				
9.	Additional comments or suggestions for future improvements					conduct FDP for Mini of 05 days
10.	Other Comments					—

N.Suguna.
SVCE, Tirup-D

Name & Organization of the Participant

Signature

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Sree Sainath Nagar, A.Rangampet – 517 102

Department of Electronics and Communication Engineering

SVEC in association with Altair and Silicon Microsystems

Organized

Two days Faculty Development Program
on
"Antenna Design and Simulation using FEKO Software"

(19th & 20th January, 2018)

Feedback Form

Date: 20-01-2018

Please rate the following parameters **A-Excellent, B-Very Good, C-Good, D-Fair.**

S.No	Points to Evaluate	Session 3				Comments
		A	B	C	D	
11.	The aim and objectives of the seminar are met					
12.	The seminar was started at scheduled time	✓				
13.	The facilities provided were satisfactory		✓			
14.	The session is clear and well organized	✓	.			
15.	The speaker was interactive and effective	✓				
16.	The presenter responded to questions in a satisfactory manner	✓				
17.	Overall, the session was informative and valuable	✓				
18.	How would you rate this session overall?		✓			
19.	Additional comments or suggestions for future improvements		.			⌐
20.	Other Comments					—

Name & Organization of the Participant ~ Sikunthala, Sushta Institute of Technology of Science

Signature ~ Sakunthala

Chief Patron
Dr. M. Mohan Babu
Chairman, SVET

Patron
Dr. P.C. Krishnamachary
Principal

Advisors
Dr. D.V.S. Bhagavanulu
Director
&
Dr. C. Subhas
Professor & Dean(Academics)

Convener
Dr. M.Saravanan
Professor & Head

Co-Convener
Mr. G.V.Sunil Kumar, Assoc. Professor

Coordinators
Mr.M.Srikanth, Asst.Professor
Mr.G.Hemanth Kumar, Asst.Professor

Organizing Committee

Mr. C.Ravindramurty, Asst. Professor

Mrs.A.Yasmine Begum, Asst. Professor

Mr.Y.Dileep Kumar, Asst. Professor

Mr.K Ayyapa Swamy, Asst.Professor

Mr.C Somasupndar reddy, Asst.Professor

Ms.N.Harathi, Asst.Professor

Ms.N.P.Dharani, Assistant Professor

Mr. B. Sreenivas Rao, Asst.Professor

Mr. B. Santhosh Kumar, Asst.Professor

Mr. T. Janardhan, Asst.Professor

Mr. KMN Chaitanya Kumar, Asst.Professor

Mr. Chittem Kala Krishna, Asst.Professor

Mr. Y. Bhaskar Reddy, Asst.Professor

STTP On Programmable Logic Controller's

13th -14th June, 2018.

REGISTRATION FORM

1. Name   :

2. Sex   :

3. Designation   :

4. Qualification :

5. Department   :

6. Organization :

7. Experience   :

8. Phone No.   :

9. Email   :

10. Address for Communication

_____

_____

Signature of Applicant

Signature of Head of Institution

"Short Term Trainning Programme(STTP)"

On
Programmable Logic Controller's

13th -14th June, 2018.

Under

ISOI Student Chapter,SVEC.

SREE VIDYANIKETHAN
Engineering College
(Autonomous)

Organized by

About The College

Sree Vidyanikethan Engineering College was established in the year 1996 by the Sree Vidyanikethan Educational Trust (SVET) under the stewardship of Dr. M. Mohan Babu, a renowned film artiste and former Member of Rajya Sabha with the noble objective of promoting Technical Education in the backward region of Rayalaseema. The College is situated 15 km from the temple-town of Tirupati on the Tirupati-Madanapalli National Highway (NH-205). For Every 10 minutes, there is a bus from Tirupati bus station to Madanapalle.

The College is approved by All India Council for Technical Education, New Delhi and is affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu. University Grants Commission (UGC), New Delhi has conferred Autonomy to the College with effect from the academic year 2010-2011. The College has been accredited by NAAC with 'A' Grade. Also, the Institution is included in the list of colleges under 2 (f) and 12 (B) of UGC for funding from Govt. agencies.

The college is endowed with excellent infrastructure facilities for teaching, learning, and research. Exemplary academic achievements of the College include consistent student learning achievements and awesome student placements in reputed industries.

About the Department

The Department was established in the year 1997 with a modest intake of 30. The intake was increased to 60 in the year 1998 and 120 in the year 2008. The Department got accredited by NBA in 2007 and reaccrediated in 2013. The Department has well qualified and experienced faculty. The Department is equipped with excellent infrastructure and state-of-the-art equipment to explore the technological challenges in the areas of Instrumentation and Control systems. The Department actively involves in various research areas which include Soft computing, Nonlinear Control systems, Robotics and MEMS. The department has its distinguished Alumni in National, Multinational, Government and Public sector units.

Course offered

Diploma, B.Tech. in CSE , IT, EEE, ECE, EIE, CSSE, Civil, Mechanical, M. Tech. in CS, CNIS, SE, EPS, DECS, VLSI & CMS, PED, MCA and Ph.D.

About the Programme

PLCs work with creativity, one can upgrade and optimize industrial machinery and processes to reduce the need for human sensory inputs and mental requirements, allowing for the production sector to reach new heights every day! Industrial Automation i.e to "Automate Industry" is in heavy demand. Food/Beverage, Metal, Mining, Power, Textile, Petrochemical, Machine Manufacturing, Automobile etc. are some of the many examples where we see automation as an integral part already.

The main objective of STTP on PLC is to provide conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation. The idea of organizing this STTP is to inculcate the basic fundamentals of automation.

Topics to be covered

- ✓ Basics of PLC Technology
- ✓ PLC architecture
- ✓ Sensors used for PLC applications
- ✓ Selection PLCs for industrial applications
- ✓ PLC ladder programming
- ✓ PLC FBD programming
- ✓ Programming on Human Machine Interface.

Eligibility

The Workshop is open to Teaching faculty of Engineering Colleges, Research scholars and Professionals from Industry.

Resource Persons

- ✓ Dr. M.Saravanan, Professor & Head, SVEC.
- ✓ Mr. G.V.Sunil Kumar, Assoc. Professor, SVEC.
- ✓ Mr.M.Srikanth, Asst.Professor, SVEC.
- ✓ Mr.G.Hemanth Kumar, Asst.Professor,SVEC.

Registration

- ✓ No Registration fee.
- ✓ The number of participants is limited to 40.
- ✓ Certificates will be issued to all the participants.
- ✓ Selection of participants for the event is on a First Come First Serve Basis.

Important Dates

Last date for Registration : 11th June 2018

Confirmation to participants : 12th June 2018

Workshop Date : 13th-14th June, 2018.

Address for Correspondence

Dr. M.Saravanan
Professor and Head, Department of EIE
Ph: 9573665426, 8838513799

Mr. G.V.Sunil Kumar
Associate Professor, Department of EIE
Ph:9440278660,9398208320

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

SVEC/EIE/STTP/2018   15.06.2018
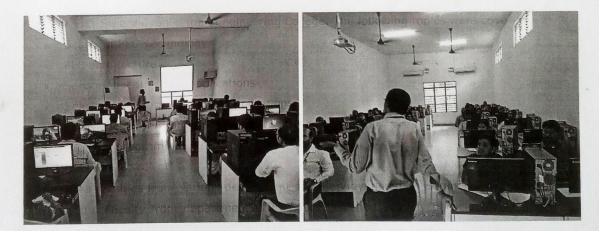
REPORT

The Department of EIE has conducted Short Term Training Program on **"Programmable Logic Controllers"** on 13th and 14th June 2018.
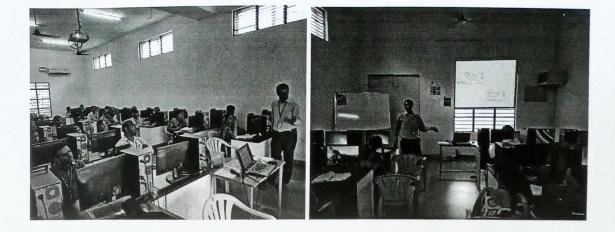
The resource persons were **Dr. M. Saravanan**: Professor, **Mr. G. V. Sunil Kumar**: Associate Professor, **Mr. M. Srikanth**: Assistant Professor, **Mr. G. Hemanth Kumar**: Assistant Professor, Dept. of EIE, Sree Vidyanikethan Engineering College. The following topics were covered.

- Basics of PLC Technology
- PLC architecture
- Sensors used for PLC applications
- Selection PLCs for industrial applications
- PLC ladder programming
- PLC FBD programming

Total **43** faculties from various department of Sree Vidyanikethan Engineering College attended the program. Faculty from department of ECE, EEE, ME had actively participated in the program and shown appreciation for it.

Convener

Dr. M.Saravanan

Professor & Head,

Dept. of EIE, SVEC

Co-Convener

Mr. G.V.Sunil Kumar

Assoc. Professor

Dept. of EIE, SVEC

Coordinators

Mr.M.Srikanth,

Mr.G.Hemanth Kumar

Asst.Professor

Dept. of EIE, SVEC

SSREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati - 517102.

Department of Electronics and Instrumentation Engineering

SVEC/EIE/Shortterm program/2018   13.06.2018

"Two Day Short Term Training Programme On Programmable Logic Controller's"
13-14 JUNE, 2018

Registration form & Attendence

S.No	Name of the Participant	Designation/Department	Department	Signature
1.	G V SUNIL KUMAR	ASSOCIATE PROFESSOR	EIE	
2.	DR.K.C.VARAPRASAD	PROFESSOR	ME	
3.	G KIRAN KUMAR	ASSISTANT PROFESSOR	EEE	
4.	WIEN R	ASSISTANT PROFESSOR	EEE	
5.	TADI SUDHEER KUMAR REDDY	ASSISTANT PROFESSOR	EEE	
6.	KUMAR REDDY C	ASSISTANT PROFESSOR	EEE	
7	G.V.V.S.REDDY PRASAD	ASSISTANT PROFESSOR	ME	
8.	G.S.ARUNKUMAR	ASSISTANT PROFESSOR	EEE	
9.	D.RAKESH	ASSISTANT PROFESSOR	ME	
10.	G. RAMANJANEYULU	ASSISTANT PROFESSOR	ME	
11.	A VIDYARANYA SARMA	ASSISTANT PROFESSOR	ME	
12.	M. MANOHARA	ASSOCIATE PROFESSOR	EEE	
13.	P. NAREN CHAKRAVARTHY	ASSISTANT PROFESSOR	ME	
14.	PAVANKUMARREDDY NOOKA	ASSISTANT PROFESSOR	EEE	
15.	K.LAKSHMI KALA	ASSISTANT PROFESSOR	ME	
16.	D JAGADEESH	ASSISTANT PROFESSOR	EEE	
17.	S NAGESH	ASSISTANT PROFESSOR	ME	
18.	SAI RAJANARENDRA	ASSISTANT PROFESSOR	ECE	
19.	H.D.PRAVEENA	ASSISTANT PROFESSOR	ECE	
20.	G NARESH	ASSISTANT PROFESSOR	ECE	
21.	KATTA SUDHA	ASSISTANT PROFESSOR	ECE	
22.	KATTA SUDHA MS.G.kamala yadav	ASSISTANT PROFESSOR	ECE	
23.	PRAVEENA KAKARLA	ASSISTANT PROFESSOR	EIE	
24.	DR.M.SARAVANAN	PROFESSOR	EIE	
25.	B SRINIVASA RAO	ASSISTANT PROFESSOR	EIE	
26.	V KALPANA	ASSISTANT PROFESSOR	EIE	
27.	G.SREENIVASULU	ASSISTANT PROFESSOR	EIE	
28.	C. KALA KRISHNA	ASSISTANT PROFESSOR	EIE	
29.	N.P.DHARANI	ASSISTANT PROFESSOR	EIE	
30.	V.MEENAKSHI	ASSISTANT PROFESSOR	ECE	
31.	N.HARATHI	ASSISTANT PROFESSOR	EIE	

3

31.	N.HARATHI	ASSISTANT PROFESSOR	EIE	
32.	Y BHASKAR REDDY	ASSISTANT PROFESSOR	EIE	
33.	SRIKANTH	ASSISTANT PROFESSOR	EIE	
34.	T.JANARDHAN	ASSISTANT PROFESSOR	EIE	
35.	BHARATHI M	ASSISTANT PROFESSOR	ECE	
36.	NEELIMA KOPPALA	ASSISTANT PROFESSOR	ECE	
37.	K.M.N.CHAITANYA KUMAR REDDY	ASSISTANT PROFESSOR	EIE	
38.	DILEEP KUMAR	ASSOCIATE PROFESSOR	EIE	
39.	G V SUNIL KUMAR	ASSOCIATE PROFESSOR	EIE	

41 Santhoshkenew   Asst Professor   BIG

42 A.Y asreino begcom   Associate   EIE
                          Professor

43 T. kouishna moorthy Asst. professor   ECE

Signature of the HOD
(Convener)

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Sree Sainath Nagar, A.Rangampet – 517102

Short Term Training Programme on

Programmable Logic Controller's

(13rd - 14th June, 2018)

Under

ISOI Student Chapter, SVEC

Certificate

This is to certify that Mr./Ms./Dr. _____from

_____ has participated in Short Term Training Programme on **Programmable**

Logic Controller's during 13rd - 14th June, 2018 organized by Department of Electronics and Instrumentation

Engineering.

Convener   **HOD, EIE**   **Principal**

TWO DAY SEMINAR ON MODALITIES AND ANALYSIS OF MEDICAL IMAGES

22.02.2018 & 23.02.2018

REGISTRATION FORM

1. Name   :

2. Sex   :

3. Designation   :

4. Qualification :

5. Department   :

6. Organization :

7. Experience   :

8. Phone No.   :

9. Email   :

10. Address for Communication:

_____

_____

_____

Signature of   **Signature of**
Applicant   **Head of Institution**

Please send filled in registration form to **tdsmami2018@gmail.com** on or before **12.02.2018**

Chief Patron
Dr. M. Mohan Babu
Chairman, SVET

Patron
Dr. P.C. Krishnamachary
Principal

Advisors
Dr. D.V.S. Bhagavanulu
Director
&
Dr. C. Subhas
Professor & Dean(Academics)

Convener
Dr. M.Saravanan
Professor & Head

Co-Convener
Ms.N.P.Dharani Assistant Professor

Coordinators
Ms.V.Meenakshi, Asst. Professor
Ms.N.Harathi, Asst.Professor

Organizing Committee
Mr. G.V.Sunil Kumar, Assoc. Professor
Mr. C.Ravindramurty, Asst. Professor
Mrs.A.Yasmine Begum, Asst. Professor
Mr. M Balaji, Asst. Professor
Mr.Y.Dileep Kumar, Asst. Professor
Mr.M.Srikanth, Asst.Professor
Mr.K Ayyapa Swamy, Asst.Professor
Mr.G.Hemanth Kumar, Asst.Professor
Mr.C Somasupndar reddy, Asst.Professor
Ms.V. Kalpana, Asst.Professor
Ms. K. Praveena , Asst.Professor
Mr. G. Sreenivasulu, Asst.Professor
Mr. B. Sreenivas Rao, Asst.Professor
Mr. B. Santhosh Kumar, Asst.Professor
Mr. T. Janardhan, Asst.Professor
Mr. KMN Chaitanya Kumar Reddy ,
Asst.Professor
Mr. Chittem Kala Krishna, Asst.Professor
Mr. Y. Bhaskar Reddy, Asst.Professor

TWO DAY SEMINAR ON MODALITIES AND ANALYSIS OF MEDICAL IMAGES

22.02.2018 & 23.02.2018

Sponsored by

Science and Engineering Research Board
Department of Science and Technology
Government of India

Organized by

Department of Electronics And

Instrumentation Engineering

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

(Affiliated to JNTUA, Anantapuramu,
Approved by AICTE, New Delhi,
Accredited by NBA & NAAC 'A' Grade)
Sree Sainath Nagar, A. Rangampet,
Chittoor Dist. – 517 102 A.P.
Ph: 0877 - 2236711 Ext. 425
Website: www.vidyanikethan.edu

College Profile

Sree Vidyanikethan Engineering College was established in the year 1996 by the Sree Vidyanikethan Educational Trust (SVET) under the stewardship of Dr. M. Mohan Babu, a renowned film artiste and former Member of Rajya Sabha with the noble objective of promoting Technical Education in the backward region of Rayalaseema. The College is situated 15 km from the temple-town of Tirupati on the Tirupati-Madanapalli National Highway (NH-205). For Every 10 minutes, there is a bus from Tirupati bus station to Madanapalle.

The College is approved by All India Council for Technical Education, New Delhi and is affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu. University Grants Commission (UGC), New Delhi has conferred Autonomy to the College with effect from the academic year 2010-2011. The College has been accredited by NAAC with 'A' Grade. Also, the Institution is included in the list of colleges under 2 (f) and 12 (B) of UGC for funding from Govt. agencies.The college is endowed with excellent infrastructure facilities for teaching, learning, and research. Exemplary academic achievements of the College include consistent student learning achievements and awesome student placements in reputed industries.

Courses Offered

The college offers B. Tech Programs in CSE (240), IT (120), EEE (240), ECE (240), EIE (120), CSSE (120), Civil (120), Mech. (180). The college also offers MCA (120) and M. Tech. in CS, CNIS, SE, EPS, DECS, VLSI & CMS.

About EIE Department

The department of EIE is established in the year 1997 with a modest intake of 30. The intake was increased to 60 in the year 1998 and 120 in the year 2008. The department got accredited in the year 2007 and reaccredited in the year 2013. The department has well qualified and experienced faculty. The Department is equipped with excellent infrastructure and state-of-the-art equipment to explore the technological challenges in the areas of Instrumentation and Control systems. The Department actively involves in various research areas which include Soft computing, Nonlinear Control systems, Robotics and MEMS.

About seminar

The seminar is to introduce participants about the anatomy and physiology concepts of human body. To study bioelectrical signals and to provide an exposure to new areas of research and development. This seminar will help to enhance research competence of faculty and department in the area of Biomedical Signal Analysis. To provide an exposure to practical problems and their solutions, in Biomedical Signal and image analysis and challenges of the biomedical engineering field. To maintain and improve their technical competence through learning.

Topics to be covered

- Anatomy and physiology of human being.
- Analysis of Bioelectrical signals and measuring instruments for bioelectrical signals.
- Use of Interpretative Models in Bio signal processing.
- Image acquisition and recent clinical applications.
- Haptic Technology in medical field.
- Research issues and challenges. Bio-safety.

Eligibility Criteria :

Academic Professionals from various affiliated engineering colleges.

Resource Persons:

- **Dr. Indrani**, ACSR Medical College, Nellore.
- **Dr.S.Subrahmanyam Gorthi,** IIT,Tirupati.
- **Sri Sridhar K V**, NIT, Warangal.
- **Dr.Nalini C. Iyer**, B.V.BCET,Hubli
- **Dr.K.Ashok Reddy,** KITS,Warangal.
- **Dr. N.Gireesh**, SVEC, Tirupati

Registration Fees:

- No Registration fees.

Important Dates:

Last Date for Registration : 12.02.2018
Intimation of Acceptance : 16.02.2018
Workshop Dates : 22.02.2018 & 23.02.2018

Contact Persons:

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SSREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517102.

Department of Electronics and Instrumentation Engineering

SVEC/EIE/Seminar/2018

22.02.2018

"Two Day Seminar on Modalities and Analysis of Medical Images"
22 – 23 FEBRUARY, 2018

List of Participants

S. No	Name of the Participant	Designation and Department	Email ID	Phone Number	Name of the Institution	Signature
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6.	Ms.Ch.Pallavi	Assistant Professor ECE	pallavijana.ch@gmail.com>	9393834903	SIETK,Puttur	
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8.	Mr.G.Kiran Kumar	Assistant Professor EEE	kiran215vit@gmail.com	9553927290	SVEC	
9.	Mr.N.Pavan Kumar Reddy	Assistant Professor EEE	pavankumarreddyn@gmail.com	9441433050	SVEC	
10.	Mr.P H Chandra Mouli	Assistant Professor ECE	mouli003@gmail.com	9533513951	VEMU Institute of TEchnology, P.Kothakota	
11.	Ms. K.Neelima	Assistant Professor ECE	neelumtech17@gmail.com	9966547895	SVEC	

Signature of Convener

Signature of Co-Convener

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58.	Mr. M.Balaji	Assistant Professor EIE	balajichaitra.3@gmail.com	9885487830	SVEC	
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60.	Mr. M.Srikanth	Assistant Professor EIE	msrikanthjobs@gmail.com	7799425367	SVEC	
61.	Ms. V.Meenakshi	Assistant Professor EIE	vakameenakshi@gmail.com	9177806045	SVEC	
62.	Mr Y. Bhaskar Reddy	Assistant Professor EIE	bhaskar.gova@gmail.com	9492583452	SVEC	
63.	Mr. C.Kala Krishna	Assistant Professor EIE	chittem.kalakrishna@gmail.com	9951146677	SVEC	
64.	Mr. K.M.N.Chaitanya kumar Reddy	Assistant Professor EIE	kmnchaitu@gmail.com	9491288610	SVEC	
65.	Mr.Lakshmi	Research Scholar	lakshmi.svuniversity@gmail.com	8309371107	SV University	
66.	Ms.R.Srikala	Project Assistant M.Pharmacy,	Srikala.rajala@gmail.com	8179221947	SVCP	
67.	K.Maheswari	Research Scholar (JNTUA)	kmaheswari2009@gmail.com	9849974776	SVEC	
68.	Dr.P.Srinivasa Rao	Assoc. Professor EIE	srinu.instru@gmail.com	9491808141	SVEC	
69.	Mr.B.Srinivasa Rao	Assistant Professor EIE	rao.srinivas2005@gmail.com	8179101194	SVEC	
70.	Mr.G.Sreenivasulu	Assistant Professor EIE	vasu.sreenivasulu@gmail.com	8309798011	SVEC	

Signature of Convener

Signature of Co-Convener

No.	Name	Designation	Email	Phone	Institution	Signature
12.	Mr. M.Manohara	~~Associate~~ (Assistant) Professor EEE	muppirimanohar@yahoo.com	9441331644	SVEC	
13.	Ms. katta Sudha	Assistant Professor ECE	sudhak.ece@gmail.com	9441998701	SVEC	
14.	Mr.T.Muni Reddy	~~Associate~~ ~~Assistant~~ Professor ECE	mr.munireddy@gmail.com	9030832006	VEMU Institute of TEchnology, P.Kothakota	
15.	Mr.Venkatesh .P	Assistant Professor EEE	venkateshp.engg@gmail.com	9553196039	SVEC	
16.	Mr.C.Kumar Reddy	Assistant Professor EEE	kumarreddy98@gmail.com	7095880565	SVEC	
17.	Mr. M.Venkatanaresh	Assistant Professor ECE	nareshmvenkat@gmail.com	9492838955	SVEC	
18.	Mr. P.V.S.R. Bharadwaj	Assistant Professor ECE	bharat0507@gmail.com	9885120213	SVEC	
19.	Mr.K. Ramesh	Assistant Professor ECE	Kurakularamesh172@gmail.com	9652384053	SVEC	
20.	Ms. P.Sravanthi	Assistant Professor Pharmalogy	Sravanthip29@gmail.com	8143543278	SVCP	
21.	Ms. P.Latha	Assistant Professor Pharmacology	lathaudayan94@gmail.com	9676858248	SVCP	
22.	Dr.N.Padmaja	Professor ECE	padmaja202@gmail.com	9963070126	SVEC	
23.	Mr.Krishna Raju	Associate Professor EEE	skrajuap@outlook.com	9411314312	SVEC	
24.	Dr. P.Geetha	Assoc. Professor ECE	mailpgeetha2013@gmail.com	9952503647	SVEC	
25.	Mr.T.Ravi Kumar Naidu	Assistant Professor ECE	thamineniravi@gmail.com	9849851065	SVEC	
26.	Mr. G.Guru Prasad	Assistant Professor ECE	guru.p6@gmail.com	9492657579	SVEC	
27.	Mr. C.Venkata Sudhakar	Assistant Professor ECE	Sudhakar.chowdam@gmail.com	9849378696	SVEC	
28.	Mr. K.Thamizhanan	Assistant Professor Pharm- Biotechnology	Ktvanan2006@yahoo.co.in	9581041637	SVCP	
29.	Mr. M.Pratap	Assistant Professor Pharmaceutics	Pratap.nil@gmail.com	7893077817	SVCP	
30.	Ms. K. NAVEEN KUMARI	Assistant Professor Pharmacology	naveena.konipineni@gmail.com	9581335003	SVCP	

Signature of Convener

Signature of Co-Convener

No.	Name	Designation	Email	Phone	College	Signature
71.	Ms.T.Kavitha	Assistant Professor CSSE	kavithacrishnag19@gmail.com	9347185705	SVEC	
72.	Ms.C.Sushama	Assistant Professor CSSE	susymae@gmail.com	9849307199	SVEC	C.Sush
73.	Ms.K.Tejaswi	Assistant Professor CSSE			SVEC	
74.	V.ESwari	Lecturer, polytechnic	veshull5@gmail.com	9441993659	SVEC	V.B
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Signature of Convener

Signature of Co-Convener

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)
Sree Sainath Nagar, A.Rangampet – 517102

Two day seminar on

MODALITIES AND ANALYSIS OF MEDICAL IMAGES

(22 & 23 February 2018)

SPONSORED BY

Science and Engineering Research Board (SERB)

Certificate

This is to certify that Dr./Mr./Ms. _____ from

_____ has participated in Two Day

Seminar on " **MODALITIES AND ANALYSIS OF MEDICAL IMAGES** " during 22 & 23 February 2018

organized by Department of Electronics and Instrumentation Engineering.

Co-Convener   **Convener**   **Principal**

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
Sree Sainath Nagar, Tirupati 517102.

Department of Electronics and Instrumentation Engineering

Report on the Two Day Seminar on "Modalities and Analysis of Medical Images"

Sponsored by

Science and Engineering Research Board (SERB)

Organized by

Department of Electronics and Instrumentation Engineering,

Sree Vidyanikethan Engineering College, Tirupati

The department of EIE organized a Two Day Seminar on **"Modalities and Analysis of Medical Images"** on 22 & 23 February, 2018.

The seminar was sponsored by Science and Engineering Research Board (SERB). The program received an overwhelming response with 60 participants included eminent academicians and researchers.

Context of the Seminar

- The main objective of the seminar is to
- Introduce participants about the anatomy and physiology concepts of human body.
  Help to enhance research competence of faculty in the area of Biomedical Signal Analysis.
- Provides an exposure to practical problems and their solutions in Biomedical Signal analysis and challenges of the biomedical engineering field.
- Illustrates the processing techniques and their application in the analysis of bioelectrical signals.
- Provides orientation to research in different domains like medical instrumentation, biomedical signal processing, data generation and acquisition, processing and quality. The scope of the program provides practical experience in processing physiological data, with examples from speech processing, and medical imaging.
- The participants can know the different imaging parameter for each system, how to control them.

- Help the participants to interact with experts in this field and thereby strengthen their academic and research activities.
- The participants possess the mathematical, scientific and computational skills necessary to analyze biomedical signals by using different instruments.

Inaugural Session

The esteemed personalities present on the inauguration of the programme:

- **Dr. C.Subhas**, Dean, Academics, SVEC, Tirupati
- **Dr. M.Saravanan**, Professor& Head, Department of EIE, SVEC, Tirupati.
- **Dr. N.Gireesh,** Professor, Department of EIE, SVEC, Tirupati.

The programme was inaugurated in the morning at 10.00 in E-Class room. The seminar started with a welcome address by Dr. M.Saravanan, Professor& Head who is Convener of the seminar. He briefly introduced the theme of the seminar and emphasized the role of Biomedical Signal analysis and challenges of the biomedical engineering field. He also appreciated the efforts of Instrumentation cluster and their appropriateness organizing the seminar theme. Dr. C.Subhas Dean, Academics, SVEC discussed about the importance of health and various issues associated with health. He also discussed this seminar presents the signal processing techniques with particular emphasis on problems in biomedical research and clinical medicine. Dr. N.Gireesh, Professor, Department of EIE, discussed that this program aims at creating a platform for the academicians to interact with each other and to create a sound awareness on the various trends in biosignal processing techniques. He also addressed the participants about the mathematical, scientific and computational skills necessary to analyze biomedical signals by using different instruments. The inauguration program ended with vote of thanks.

Dignitaries on the dais during the inaugural session.

Day-1: 22/02/18

Session I: Introduction to Biomedical Instrumentation, Bioelectrical Signals and Measuring Instruments

Dr. N.Gireesh Professor of EIE department discussed the very basics of biomedical, objectives and specifications of biomedical instruments. He also discussed various physiological systems that are present in human body. He also presented biomedical signals and their electrical activity by using different types of electrodes. He also shared his views on medical instruments like recording, monitoring, Measuring, Therapeutic, Medical Imaging instruments and their functionality.

Dr. **Dr.N.Gireesh** delivering a lecture

Day-1: 22/02/18

Session 2: Introduction to Image Processing & Medical Imaging Modalities

Dr. S.Subrahmanyam Gorthi, from IIT, Tirupati, discussed about medical imaging and analysis of medical images either manual or automated. He also discussed about different imaging modalities in clinical pint of view and how they can be analysed. He also discussed different research aspects of images processing in medical field.

Dr. S.Subrahmanyam Gorthi delivering a lecture

Day-1: 22/02/18
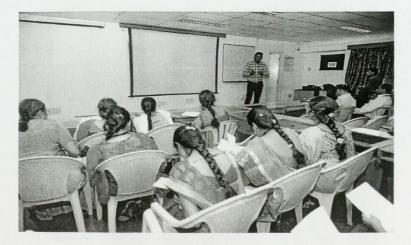
Session 3:

Dr Chaitanya Deep, MD (RD), SVIMS, Tirupati, discussed the Process of Image Production and Interventional Radiology. He also suggested the participants to do future research in CT thermometry, novel reconstruction algorithms and hybrid imaging like PET/MRI.

Dr. Chaitanya Deep DSJ delivering a lecture

Cross section of **participants** while delivering lecture

Convener felicitating the resource person

Day-2: 23/02/18

Session 4: pattern Classification of Leukemia Cell lines in Imaging Flow Cytometry

Dr. Rama Krishna Sai S Gorthi, IIT, Tirupati, discussed introduction to Cytopathology, Microfluidics Imaging Flow Cytometry . He also discussed about the different modalities of feature extraction and pattern classification of the cells and challenges in imaging flow cytometry.

Dr. Rama Krishna Sai S Gorthi addressing the audience
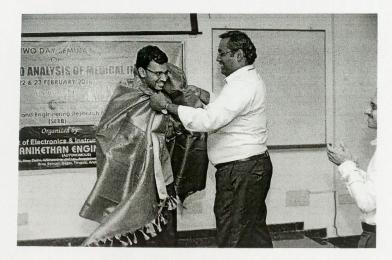
Day-2: 23/02/18

Session 5: Role of image-processing in medical diagnosis & treatment-planning

 Dr. S.Subrahmanyam Gorthi, from IIT, Tirupat, in his presentation, he demonstrated the role of medical image processing in medical field with a case study and discussed about different fusion methods for medical image analysis and concluded that recent work gave more accurate segmentations than the existing work. He also discussed about the contributions in clinical translational research.

Dr. S.Subrahmanyam Gorthi delivering a lecture

Convener felicitating the resource person
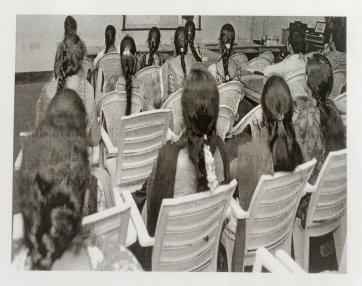
Day-2: 23/02/18

Session 5: Recent trends in medical image analysis and pattern classification

Dr. Rama Krishna Sai S Gorthi, IIT, Tirupati, discussed about automated microscopy, different classifier used and future scope of the medical image analysis and watershed segmentation. In this session participants were learned about NN tool, how to create a network, train a network, test a network and also using of NN tool.

Dr. Rama Krishna Sai S Gorthi addressing the audience

Convener felicitating the resource person

Valedictory session:

N.P.Dharani, Assistant Professor, Co-convener of the seminar concluded the valuable information shared by the resource persons all over the sessions.

Coordinators of the seminar ended the seminar with a vote of thanks.

Co-convener

Mrs. N.P.Dharani

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517102.

Department of Electronics and Instrumentation Engineering

SVEC/EIE/2018

14.12.2017

Faculty Development Programme on
"IPR Awareness Workshop"
16th December , 2017

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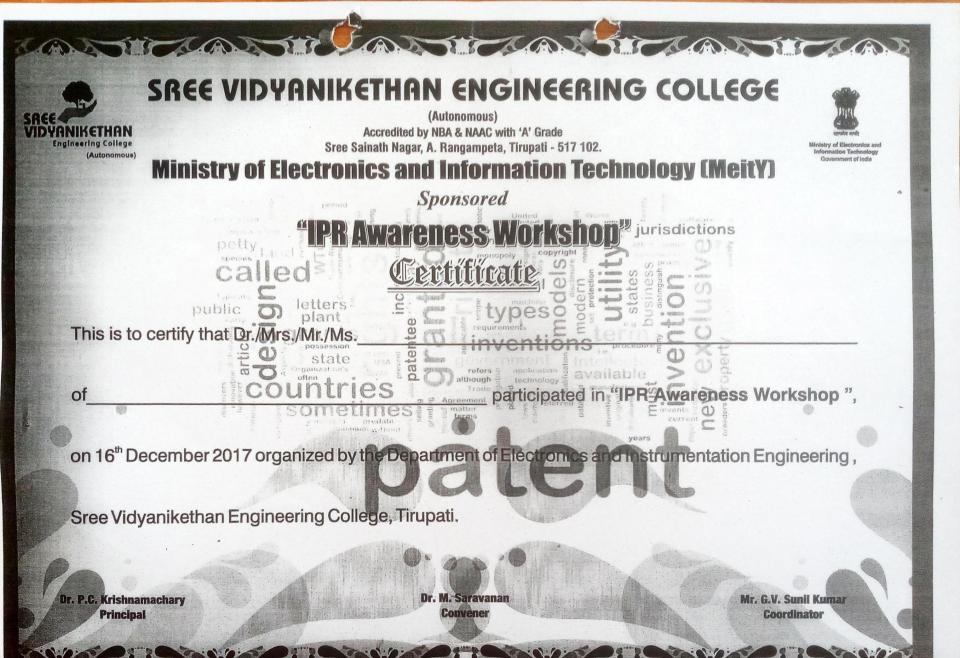
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Ministry of Electronics and
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Government of India

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Sponsored

"IPR Awareness Workshop"

Certificate

This is to certify that Dr./Mrs./Mr./Ms. _____

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on 16th December 2017 organized by the Department of Electronics and Instrumentation Engineering ,

Sree Vidyanikethan Engineering College, Tirupati.

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"IPR Awareness Workshop"

09th December 2017

REGISTRATION FORM

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2. Sex   :
3. Designation :
4. Qualification :
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6. Organization :
7. Experience :
8. Phone No.   :
9. Email   :
10. Address for Communication

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Signature of Applicant

Signature of Head of Institution

STEPS FOR ONLINE REGISTRATION

1. Visit the Website, http://ict-ipr.in/
2. Go to Register
3. Select User Type as Individual
4. Fill Up the Registration Form & Generate pdf File.
After Successful registration please send the registration form to
E-Mail: iprsvec@gmail.com

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"IPR Awareness Workshop"

09th December 2017

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Ministry of Electronics and Information Technology
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SREE VIDYANIKETHAN
Engineering College
(Autonomous)

Organized by

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

(Affiliated to JNTUA, Anantapuramu, Approved by AICTE, New Delhi, Accredited by NBA & NAAC 'A' Grade)
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About The College

Sree Vidyanikethan Engineering College was established in the year 1996 by the Sree Vidyanikethan Educational Trust (SVET) under the stewardship of Dr. M. Mohan Babu, a renowned film artiste and former Member of Rajya Sabha with the noble objective of promoting Technical Education in the backward region of Rayalaseema. The College is situated 15 km from the temple-town of Tirupati on the Tirupati-Madanapalli National Highway (NH-205). For Every 10 minutes, there is a bus from Tirupati bus station to Madanapalle.

The College is approved by All India Council for Technical Education, New Delhi and is affiliated to Jawaharlal Nehru Technological University Anantapur, Anantapuramu. University Grants Commission (UGC), New Delhi has conferred Autonomy to the College with effect from the academic year 2010-2011. The College has been accredited by NAAC with 'A' Grade. Also, the Institution is included in the list of colleges under 2 (f) and 12 (B) of UGC for funding from Govt. agencies.

The college is endowed with excellent infrastructure facilities for teaching, learning, and research. Exemplary academic achievements of the College include consistent student learning achievements and awesome student placements in reputed industries.

About the Department

The Department was established in the year 1997 with a modest intake of 30. The intake was increased to 60 in the year 1998 and 120 in the year 2008. The Department got accredited by NBA in 2007 and reaccrediated in 2013. The Department has well qualified and experienced faculty. The Department is equipped with excellent infrastructure and state-of-the-art equipment to explore the technological challenges in the areas of Instrumentation and Control systems. The Department actively involves in various research areas which include Soft computing, Nonlinear Control systems, Robotics and MEMS. The department has its distinguished Alumni in National, Multinational, Government and Public sector units.

Course offered

Diploma, B.Tech. in CSE , IT, EEE, ECE, EIE, CSSE, Civil, Mechanical, M. Tech. in CS, CNIS, SE, EPS, DECS, VLSI & CMS, PED, MCA and Ph.D.

About MietY

Ministry of Electronics and Information Technology is started with a vision of e-Development of India as the engine for transition of India into a developed nation and an empowered society by promoting

- ➢ e-Governance for empowering citizens
- ➢ the inclusive and sustainable growth of the Electronics
- ➢ IT & ITeS industries
- ➢ enhancing India's role in Internet Governance
- ➢ adopting a multipronged approach that includes development of human resources
- ➢ R&D and innovation
- ➢ enhancing efficiency through digital services and ensuring a secure cyber space.

About the Programme

Present scenario of Research in engineering colleges ends up with publishing papers and experimenting it with funded projects. Most of the innovative ideas are not materialized due to lack of awareness on moving the research towards making a usable product, patenting it and commercializing them. This program "IPR Awareness Workshop", aims to create awareness among the Researchers to make a marketable product out of their research and innovation more specifically in the domain of Electronics and Information Technology.

Topics to be covered

- ✓ IPR Basics
- ✓ IPR Initiatives
- ✓ Prior Art Search
- ✓ Basics of Trademark and Copyrights
- ✓ IPR Innovation and Entrepreneurship

Eligibility

The Workshop is open to Teaching faculty of Engineering Colleges, Research scholars and Professionals from Industry.

Resource Persons

- ✓ MeitY Representative, New Delhi
- ✓ **Dr.S.P.Subramaniyan,** Deputy Controller of Patenting and Designs, Patents Office, Chennai.
- ✓ **Dr.M.KanthaBabu,** CIPR, Anna University, Chennai.
- ✓ **Dr.K.C.Varaprasad,** Professor & Head, Dept. of Mechanical, SVEC, Tirupati.
- ✓ **Mr.K Hari Babu,** Technical Consultant Auza Tech, Secunderabad.

Registration

- ✓ No Registration fee.
- ✓ The number of participants is limited to 100.
- ✓ Certificates will be issued to all the participants.
- ✓ Selection of participants for the event is on a First Come First Serve Basis.

Important Dates

Last date for Registration : 3rd December 2017

Confirmation to participants : 4th December 2017

Workshop Date : 9th December 2017

Department of Electronics and Instrumentation Engineering

IPR AWARENESS WORKSHOP
(16th December 2017)

Sponsored by
Ministry of Electronics and Information Technology
(MeitY)

The Department of Electronics and Instrumentation Engineering, SVEC organized a one day IPR Awareness Workshop on 16th December, 2017.

The workshop was inaugurated by the Chief Guest Dr. A. K. Garg, Director, HoD International Cooperation & Bilateral Trade IPR) MeitY, Government of India, New Delhi and Guest of Honour Shri. S. Thangapandian, Deputy Controller of Patents, Indian Patent Office, Chennai. Dr. P. C. Krishnamachary, Principal, Sree Vidyanikethan Engineering College, Dr. C. Subhas, Dean Academics, SVEC, Dr. M. Saravanan, Convener and Head, Department of Electronics and Instrumentation Engineering and Heads of Departments in SVEC also graced the inaugural function.

Dr. A. K. Garg focused on IPR initiatives and emphasized on the importance of intellectual property rights specifically in the area of Electronics & Information Technology. He also described the support offered by the government in Patents filing and processing. Shri. S. Thangapandian, presented on IPR basics and explained clearly the steps involved in filing and processing patents. He shared his experience in Patent filing procedures with various case studies. Mr. I. Prem Charles, Director, Allinnov Research and Development Pvt. Ltd, presented a detailed explanation on "Prior Art Search" and discussed about the importance of prior art search before proceeding to patent filing. Dr. K. C. Varaprasad, Professor, SVEC, shared his expertise on Basics of Trademark and Copyrights.

179 faculty members attended this programme and were benefitted.

Mr.I.Prem Charles explaining "Prior Art Search".

Participant involved in Online Quiz competition conducted by CDAC, Hyderabad during the workshop.

Shri. S. Thangapandian, delivering his talk

Dr.K.C.Varaprasad's talk on "Trade Mark & Copyrights"

*Inaugural Function of IPR Awareness Workshop (L-R) Dr. M. Saravanan, Convener & Head, EIE Dept.,
Dr.C.Subhas, Dean Academics, SVEC, Dr. A. K. Garg, Director, MeitY, GoI, New Delhi, Shri. S. Thangapandian,
Deputy Controller of Patents, Chennai, Dr.P.C.Krishnamachary, Principal, SVEC, Tirupati.*
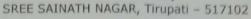

Dr.A.K.Garg, Director, delivering his expert talk.

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
SREE SAINATH NAGAR, Tirupati – 517102

Department of Computer Science and Engineering

Cordially invites to the inaugural function
of

One Week FDP

On

"IoT and Big Data Analytics"

(Sponsored by **Electronics and ICT Academy, NIT Warangal**)

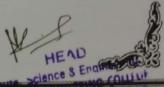|	
Date	: 20-25 November, 2017
Time	: 09.30 A.M
Venue	: ED Cell
Target Group	: Faculty and Research Scholars

Chief Guest

Dr. Rashmi Ranjan Rout
Professor, NIT Warangal

Prof. T. Gopal Rao
Special Officer, SVET

Dr. P.C. Krishnamachary
Principal, SVEC

Dr. D.V.S. Bhagvanulu
Director, SVEC

Will grace the occasion

HEAD
Dept. of Computer Science & Engineering
SREE VIDYANIKETHAN ENGINEERING COLLEGE
Sree Sainath Nagar, A. RANGAMPET
CHITTOOR (Dt)-517 102, A.P

**SREE
VIDYANIKETHAN**
Engineering College
(Autonomous)

SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous), Tirupati.
Sponsored by Electronics & ICT Academy, National Institute of Technology, Warangal.
(An initiative of Ministry of Electronics and Information Technology (MeitY), GOI)

Department of CSE organized One Week Faculty Development Program on **"IOT and Big Data Analytics"** during 20th – 25th November, 2017, sponsored by E & ICT, National Institute of Technology, Warangal. The Program was inaugurated by **Dr. Rashmi Ranjan Rout, Assistant Professor of CSE, NIT-W.** A total of 60 faculty members from various engineering colleges participated in the program.

On the first day (20-11-2017) of the program Dr. Rashmi Ranjan Rout, Assistant Professor of CSE, NIT-W introduced IOT to the participants and explained *IOT Protocol Stack*. After lunch, the session was on *MAC protocols* and *Routing protocols in IOT*.

On the second day (21-11-2017) Mr. Madhusudhan from Orange labs, Hyderabad, addressed *Python Programming (MQTT, Socket-IoT Protocols)*. After lunch, the session was on *Node-Red and Deployment on IBM*.

On the Third day (22-11-2017) Mr. Aravinda Reddy, from GainSpan India, Bangalore, addressed *IEEE 802.11 based IoT Platforms* with demonstrations & Hands-on.

On the Fourth day (23-11-2017) Dr. R. B. V. Subramanyam, Professor, NIT-W, introduced Big Data Analytics and provided Overview of Hadoop. In post lunch session, he explained *Map Reduce Computing*.

On the Fifth day (24-11-2017) Prof. D. V. L. N. Somayajulu, Professor, NIT-W, provided Overview on NoSQL Databases and MongoDB. In second session, he explained *Other NoSQL Databases* with Hands-on.

On the Last day (25-11-2017) Mr. S. Pawan Kumar, Citi Bank, Bangalore, addressed *Hadoop* concepts with Hands-on. In second session, he explained *Spark* with Hands-on.

All the FDP Sessions were highly interactive and were quite interesting.

HOD, CSE
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Chief Guest, Convener and Other Dignitaries in Inaugural Function

Chief Guest, Convener and Other Dignitaries lighting the lamp in Inaugural Function

Dr. Rashmi Ranjan Rout, NIT, Warangal delivering Lecture on
"IoT and MAC protocols "
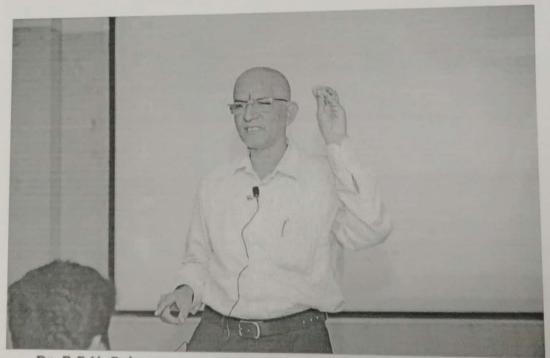
Mr. Madhusudhan, Orange Labs, Hyderabad delivering Lecture on
"Python Programming and its Applications in IoT"

Mr. Aravinda Reddy, GainSpanIndia, Bangalore delivering Lecture on
"IEEE 802.11 based IoT Platforms"

Dr. R.B.V. Subramanyam, NIT, Warangal delivering Lecture on
"Overview of Hadoop and Map Reduce Computing"

Mr. S. Pawan Kumar, Citi bank, Bangalore delivering Lecture on
"Hadoop and SPARK"

Participants group photo.

One Week Faculty Development Programme (FDP) on
IOT and Big Data Analytics
(20th November 2017 to 25th November 2017)
SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous), Tirupati.
Sponsored by E & ICT Academy, National Institute of Technology, Warangal

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and
SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)
Sree Sainath Nagar, Tirupati - 517 102, Chittoor Dist., A.P.

Certificate

This is to certify that **Dr. M. Sunil Kumar**

from **Sree Vidyanikethan Engineering College, Tirupati** has participated

in MeitY, Govt. of India, Sponsored Faculty Development Programme (FDP) on

"IoT and Big Data Analytics"

organized by the E. & ICT Academy, National Institute of Technology, Warangal, at

the Dept. of CSE, Sree Vidyanikethan Engineering College, Tirupati

from 20th to 25th November, 2017. Participant obtained ....B..... grade in the test.

Dr. M. Sunil Kumar	Dr. P.C. Krishnamachary	Dr. RBV. Subramanyam	Prof. D.V.L.N. Somayajulu	Prof. N.V. Ramana Ra
Coordinator & HOD, CSE	Principal	Coordinator & Co-Chief Investigator	Chair	Director
SVEC, Tirupati	SVEC, Tirupati	E & ICT Academy, NITW	E & ICT Academy, NITW	NIT, Warangal

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Sponsored

TWO DAYS NATIONAL LEVEL SEMINAR ON
"Emerging Trends and Research Challenges in Software Defined Networks"

DECEMBER 15-16, 2017

Name: _____

Qualification: _____ Gender: _____

Designation: _____

Institution: _____

Experience: _____ Teaching: _____ Other: _____

_____

Address for Communication: _____

_____

E-Mail: _____

Mobile No: _____

Place: Signature of the Participant

Date: Signature of HoD/Principal

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Special Officer, SVET

Advisors:
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Director, SVEC

Dr. P.C. Krishnamachary
Principal, SVEC

Convener
Dr.M. Sunil Kumar
HOD, CSE

Coordinators
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Professor, CSE

Dr. M. Sakthivel
Associate Professor, CSE

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Dr. K. Reddy Madhavi, Associate Professor, CSE
Dr. V. Anantha Natarajan, Associate Professor, CSE
Dr. R. Kamalraj, Associate Professor, CSE
Dr. K.G. Suma, Associate Professor, CSE
Dr. K.S. Kannan, Associate Professor, CSE
Dr. V. Saravana Kumar, Associate Professor, CSE
Mr. K. Munivara Prasad, Assistant Professor (SL), CSE

All India Council
for Technical Education (AICTE)

Sponsored

Two Days National Level Seminar on
"Emerging Trends and Research Challenges in Software Defined Networks"
December 15-16, 2017

Organized by
Department of Computer Science and Engineering

SREE VIDYANIKETHAN
Engineering College

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

SREE SAINATH NAGAR, TIRUPATI-517 102, A.P., INDIA

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

AICTE Sponsored Seminar

On

"Emerging Trends and Research Challenges in Software Defined Networks"

December 15- 16, 2017

REPORT

The two days AICTE sponsored national level Seminar on "Emerging Trends and Research Challenges in Software Defined Networks" was organized by the Department of Computer Science and Engineering, Sree Vidyanikethan Engineering College from 15 to 16 December, 2017. The seminar received an overwhelming response with 60 participants. The seminar aims at bringing the academicians, Industry professional and research Scholar together to gain knowledge for developments in evolving future domain and identify future research challenges like efficient, flexible, agile and scalable Software Defined Networks.

The two day AICTE sponsored national level seminar was inaugurated by the following eminent personalities on 15th December, 2017.

1. Dr. Subhas, Dean-Academics, Sree Vidyanikethan Engineering College.

2. Dr. V.Neela Narayanan, Professor, VIT, Chennai.

3. Dr.V.V. Rama Prasad, Professor and Coordinator of the Program, Sree Vidyanikethan Engineering College.
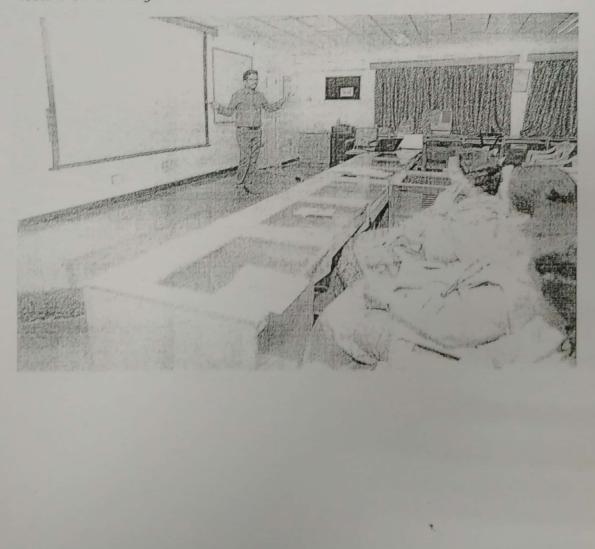
4. Dr.M.Sunil Kumar, Professor & Head, Sree Vidyanikethan Engineering College.

5. Dr. A. Senguttuvan, Professor, Sree Vidyanikethan Engineering College.

Session 3: Mr.S. Kailash, Senior Scientist, CDAC, Chennai has delivered a lecture on Installation and configuration of free and open source tools for SDN.

Session 4: Mr.S. Kailash, Senior Scientist, CDAC, Chennai has delivered a lecture on Working on SDN Tools.

Technical Sessions:

15.12.2017 (Friday)
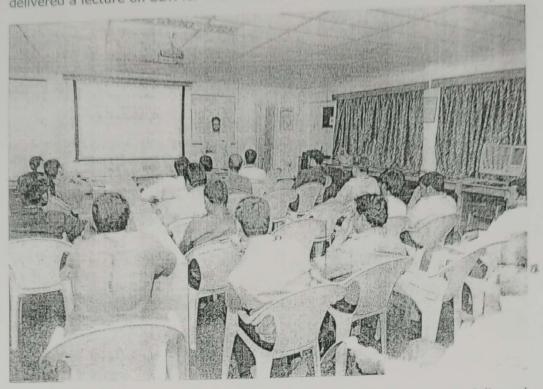
Session 1: Dr.V.Neela Narayanan, Professor from VIT, Chennai has delivered a lecture on Introduction to Software Defined Networks.

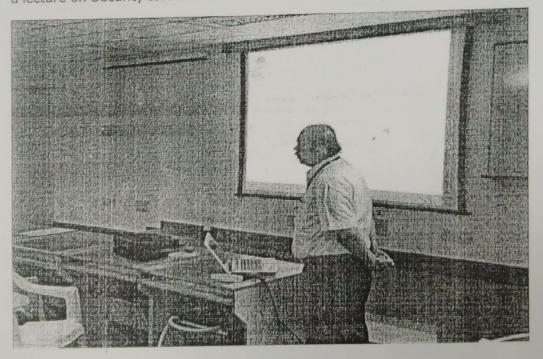**Session 2:** Dr.V.Neela Narayanan, Professor from VIT, Chennai has delivered a lecture on Overview of free and Open Source Tools.

Session 3: Prof. Abdul Gaffar, Assistant Professor (SL), VIT, Vellore has delivered à lecture on SDN for Wireless and Mobile Networks.
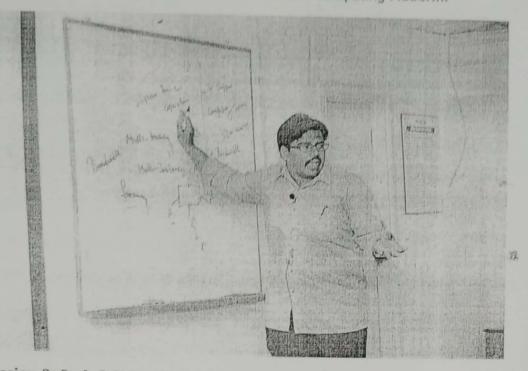
Session 4: Prof. C.Madhu Sudhana Rao, Professor , SVEC-Tirupati has delivered a lecture on Security Issues in SDN.
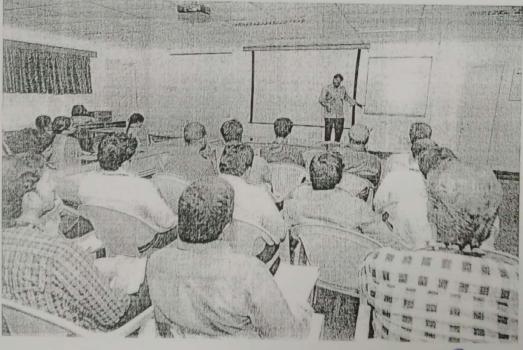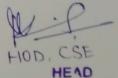
16.12.2017 (Saturday)

Session 1: Prof. G.Shiva Shanmugam, Assistant Professor (SL), VIT, Vellore has delivered a lecture on Role of SDN in Conventional Computing Platform.

Session 2: Prof. G.Shiva Shanmugam, Assistant Professor (SL), VIT, Vellore has delivered a lecture on Network Controlled Infrastructure.

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"Emerging Trends and Research Challenges in Software Defined Networks"
(15-16 December 2017)
SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous), Tirupati
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SREE VIDYANIKETHAN ENGINEERING COLLEGE

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Sree Sainath Nagar, Near Tirupati — 517102

AICTE Sponsored Two Days National Seminar

on

merging Trends and Research Challenges in Software Defined Networks"

December 15-16, 2017

Certificate

This is to certify that Dr./Mrs./Mr./Ms. **K. S. KANNAN**

of SREE VIDYANIKETHAN ENGINEERINh COLLEhE participated in AICTE Sponsored Two Days National Seminar on "Emerging Trends and Research Challenges in Software Defined Networks" during December 15-16, 2017 conducted by the Department of Computer Science & Engineering, Sree Vidyanikethan Engineering College, Tirupati.

Coordinator

Convener

Principal

DEPARTMENT OF COMPUTER SCIENCE AND SYSTEMS ENGINEERING

Second International Conference on Cognitive Science and Artificial Intelligence

A Report on Pre Conference Workshop on "Machine Learning and its Applications: Theory and Hands on"

The Department of Computer Science and Systems Engineering Organized a Pre Conference Workshop on **"Machine Learning and its applications: Theory and Hands on"** on 03rd January, 2018 as a part of Second International Conference on "Cognitive Science and Artificial Intelligence" Jointly sponsored by AICTE and DST-SERB. Workshop is inaugurated by **Dr. Naresh Manwani,** Assistant Professor, IIIT Hyderabad, Dr. P.C. Krishnamachary, Principal, SVEC and Dr. B. Narendra Kumar Rao, Professor and Head Department of CSSE.

Dr. P. C. Krishnamachary, Principal, SVEC addressing the gathering

Dr. B. Narendra Kumar Rao, *Head, Department of CSSE addressing the gathering*

Dr. M. Naresh Babu, *Convenor, Department of CSSE addressing the gathering*

Dignitaries Felicitating the Chief Guest **Dr. Naresh Manwani,** *IIT Hyderabad*

Felicitating the Chief Guest

Chief Guest Dr. Naresh Manwani mentioned that machine learning is an emerging technology and lots of research opportunities are available in this field. Dr. P. C. Krishnamachary mentioned that several job opportunities are available in this area. Dr. Narendra Kumar Rao highlighted various applications of machine learning. Dr. M. Naresh Babu l informed about outlook of the workshop.

Dr. Naresh Manwani, Assistant Professor, IIIT Hyderabad enlightened audience about fundamentals of machine learning, Several machine learning supervised and unsupervised algorithms. He also explained about various applications of machine learning and research opportunities in machine learning.

Dr. Naresh Manwani, *delivering the lecture*

Dr. Naresh Manwani, delivering the lecture

Participants listening to the lecture

Dr. Naresh manwani discussing about machine learning and its applications

Practical session was conducted by Dr. M. Naresh Babu, Associate Professor, Department of CSSE, SVEC. In this session he has given hands on training on R Programming and enlightened the participants about various classification algorithms using R Programming.

Dr. M. Naresh Babu, *explaining about R programming*

Dr. M. Naresh Babu, conducting Hands-on Session

Participants in Hands-on Session

Hands on session on R programming by Dr. M. Naresh Babu

Few outcomes of this workshop are listed below:

➢ Faculty can understand components of a machine learning algorithm.

➢ Faculty can understand how machine learning uses computer algorithms to search for patterns in data

➢ Faculty shall know How to uncover hidden themes in large collections of documents 4. How to use data patterns to make decisions and predictions

➢ Faculty shall know how to prepare data, deal with missing data and create custom data analysis solutions for different industries.

➢ Faculty can know the Basic and frequently used algorithmic techniques including sorting, searching, greedy algorithms and dynamic programming

➢ Faculty can apply machine learning tools to build and evaluate predictors.

INTERNATIONAL CONFERENCE
ON
COGNITIVE SCIENCE AND ARTIFICIAL INTELLIGENCE
5th - 7th JULY , 2017
ICCSAI-2017

Organised By
Department of Computer Science and Systems Engineering

Sree Vidyanikethan Engineering College (Autonomous)
Sree Sainath Nagar, Tirupati, Andhra Pradesh, India - 517102

Chief Patron
Dr. M. Mohan Babu
Chairman, SVET

Patron
Prof. T Gopal Rao
Special Officer, SVET

Program Advisory Committee
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Principal, SVEC
Dr. D.V.S. Bhagavanulu
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USA

Dr. Shivakumar Ponnusamy
Assistant Professor , Saudi
Electronic University
Saudi Arabia

Dr. T. Arun Kumar
Dean, SCOPE, VIT University

About The Conference

To provide a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Cognitive Science and Artificial Intelligence. The conference focuses on the advances in the state of the art in Artificial Intelligence and Cognitive Science. The conference supports research and related educational activities for the development of computer systems capable of performing intelligent tasks, also aid in development of computational models exhibiting intelligent behavior across the spectrum based on human intelligence.

Call For Papers

We encourage researchers from around the world to submit their best basic and applied work in cognitive science and Artificial Intelligence, and to attend in order to discuss the latest-theories and data from the scientists of cognitive science and AI

Conference Topics

- Cognitive Science
- Computational Intelligence and Soft Computing
- Brain Function Analysis
- Foundations, algorithms, models and theory of data mining
- Machine learning and statistical methods for data mining
- Data mining systems and platforms, their efficiency, scalability and privacy
- Data mining in modeling, visualization, personalization and recommendation
- Neural Networks
- Restricted Boltzmann Machine
- Deep Belief Network
- Fuzzy Logic
- Rough Sets
- Evolutionary Algorithms
- Genetic Algorithms
- Swarm Intelligence
- Artificial Immune Systems And Support Vector Machines
  And any other domain related to the objective of the conference

The papers should neither be published previously nor currently under review by any other conference or journal

The selected Papers would be shortlisted for the presentation on the day of conference. Decision on the papers will be intimated through e mail along with the guidelines and last dates for the submission of the camera ready manuscript

All the accepted Papers will be published by
Springer in the **Springer Series-Forensic and Medical Bioinformatics or Helix International Journal** (SCI journal and listed in Thomson reuters)

Important Dates

Last date for Submission of Manuscript	: 10th June 2017
Author Notification	: 15th June 2017
Last date for Submission of Final Camera Ready Papers	: 20th June 2017
Conference Dates	: 05th-07th July 2017

Venue

Dasari Auditorium, Sree Vidyanikethan Engineering College(Autonomous)

Conference Website

http://www.iccsai.info

Registration Fee

Categories	Indian Participants	International Participants
Author Fee	₹ 7000	USD 150
Participation Fee	₹ 2000	USD 75

For Further Details

Contact : +91 996 625 2493 , +91 889 716 5555
Email : convener@iccsai.info

International Conference
on
Cognitive Science and Artificial Intelligence (ICCSAI-2017)
05-07, July 2017
Organised by
Department of Computer Science and Systems Engineering

Sree Vidyanikethan Engineering college

Tirupathi, Andhra Pradesh, India

Conference Summary Report

The conference was held on 5th – 7th July 2017. It brought together a wide range of researchers, academicians, and research scholars.

It served as interdisciplinary platform for exchange on the latest knowledge on Cognitive Science and Artificial Intelligence, the scientific meeting had seven keynote sessions and 35 papers were presented.

Day 1 : 5th July 2017

Session 1 : Inauguration and Keynote by Dr Moade Ma

Dr. P.C. Krishnamachary,Principal ,Dr. D.V.S. Bhagavanulu, Director, Dr. I.Sudharshan Kumar Chief operating Officer, Mr B Ravisekhar Director, Finance and Administration , Dr B Narendra Kumar Rao, HOD, CSSE along with Guest of Honor   Dr. Maode Ma, NTU, Singapore and Chief Guest Dr. B. Eswara Reddy, Professor & Principal, JNTUA College of Engineering, Kalikiri inaugurated the conference.

Delivering the first presentation of the ICCSAI-2017 Dr Moade Ma presented his extensive research on "Fuzzy Multiple Attribute Decision Routing (FMADR)" scheme, by which we characterize the candidate vehicles with multiple attributes and select the candidates for next hop transmission by the multiple attribute decision making (MADM) approach.

Session – II : Keynote – 2 "Some Latest Developments in Data Clustering - A Soft Computing Perspective" by Dr. B.K.Tripathy

Dr. B.K.Tripathy of the University of Vellore Institute of Technology presented the keynote address and a PowerPoint presentation, entitled: ""Some Latest Developments in Data Clustering - A Soft Computing Perspective"." In his address, Dr. B.K.Tripathy shared the importance of understanding trends in the Data Clustering in order to address their impact Artificial Intelligence.

Session – III : Keynote Address : The Excitement of AI Research by Dr. Praveen Paruchuri.

Dr. Praveen Paruchuri highlighted why industries are Getting Excited About Artificial Intelligence. He discussed latest AI innovations around the world and challenges faced in those innovations. He concluded that there is much to celebrate and be excited about AI, but much work remains to be done to ensure that.

Session – IV : Paper Presentations.

In this session authors presented their papers and the session was chaired by Dr VV Rama Prasad and co-chaired by Dr K Sunitha and Dr. K Reddy Madhavi.

Day 2 : 6th July 2017

Session 5 : Paper Presentations

In this session authors presented their papers and the session was chaired by Dr A. Senguttuvan and co-chaired by Dr. S Arun Kumar and Dr..

Session 6 : Classifiers for Neuroimaging by Dr. KV Kadambari

Dr. KV Kadambari's presentation, entitled "Classifiers for Neuroimaging" shared both the challenges faced by Medical Doctors in analysing scanned brain images and a roadmap for future enhancements that can be made to classify brain images.

Session 7 : Bio-inspired Artificial Intelligent Algorithms and its Applications by Dr. S Pushpa

In her presentation Dr. S Pushpa briefed about Traditional Approaches and their Limitations in Artificial Intelligence and explained the Role of Bio-Inspired Algorithms. She also explained different algorithms used in AI.

Session 8 : Paper Presentations

In this session authors presented their papers and the session was chaired by Dr. K Ramani and co-chaired by Dr. M Sunil Kumar and Dr. J Avanija

Day 3 : 7th July 2017

Session 9 : Paper Presentations

In this session authors presented their papers and the session was chaired by Dr. K Suneetha and co-chaired by Dr. L V Reddy and Dr. V Saritha

Session 10 : Brain Connectomics and Cognitive Neuroscience by Dr. Bapi Raju Surampudi.

In his Presentation titled "Brain Connectomics and Cognitive Neuroscience " Dr. Bapi Raju Surampudi explained Resting State Brain Activity and Brain Network Analysis & Applications.

Session 11 : Role of cognitive load in User Experiences with HCI systems by Dr. Jyoti Kumar

Dr. Jyoti Kumar in his presentation he explained that Ubiquitous computing involving complex interactive systems are leading to increase in cognitive load in day to day activities. Apart from causing stress and mental exhaustion, increase in cognitive load is likely to cause expensive human errors in case of critical tasks.

Session 12 : Closing Ceremony

Dr. VV Rama Prasad and Dr. C Subhash graced and chief guest Dr. Bapi Raju Surampudi and guest of honor Dr. Jyoti Kumar graced the valedictory ceremony. Certificates are issued to Participants.

2nd INTERNATIONAL CONFERENCE ON

COGNITIVE SCIENCE AND ARTIFICIAL INTELLIGENCE (ICCSAI-2017)

4th - 5th JANUARY, 2018

Organized By

Department of Computer Science and Systems Engineering

SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)

Sree Sainath Nagar, Tirupati, Andhra Pradesh, India - 517102

CHIEF PATRON
Dr. M. Mohan Babu
Chairman, SVET

PATRONS
Mr. Vishnu Manchu
CEO, SVET

Prof.T Gopala Rao
Special Officer, SVET

EXECUTIVE CHAIR
Dr. P. C. Krishnamachary
Principal, SVEC

GENERAL CHAIR
Dr. B. Narendra Kumar Rao
Professor & Head, CSSE SVEC

PROGRAM CHAIR
Dr. G Sasi Kumar
Professor, CSSE SVEC

CONVENOR
Dr. M Naresh Babu
Associate Professor, CSSE SVEC

CO CONVENOR
Mr. A.Chandra
Asst. Professor, CSSE SVEC

Mr. Ashraf Ali Shaik
Asst. Professor, CSSE SVEC

ORGANISING SECRETARY

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Asst. Professor, CSSE SVEC

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Saudi Electronic University, Saudi Arabia

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University of Aberdeen, Scotland

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Machine Vision and
Pattern Recognition Laboratory
Lappeenranta University
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Dr. I. Sudarsan Kumar
Chief Operating Officer, SVET

Prof. B. Eswar Reddy
Principal, JNTU Kalikiri

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Professor & Head, Dept of CSE,
SV University, Tirupati

Dr. Ch. Satyanarayana
Director Academic & Planning,
JNTU Kakinada

Dr. T. Arun Kumar
Dean SCOPE, VIT University

ABOUT THE CONFERENCE

To provide a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Cognitive Science and Artificial Intelligence. The conference focuses on the advances in the state of the art in Artificial Intelligence and Cognitive Science. The conference supports research and related educational activities for the development of computer systems capable of performing intelligent tasks, also aid in development of computational models exhibiting intelligent behavior across the spectrum based on human intelligence.

CALL FOR PAPERS

We encourage researchers from around the world to submit their best basic and applied work in Cognitive Science and Artificial Intelligence, and to attend in order to discuss the latest-theories and data from the scientists of Cognitive Science and AI.

CONFERENCE TOPICS

- Cognitive Science
- Computational Intelligence and Soft Computing
- Brain Function Analysis
- Foundations, algorithms, models and theory of data mining
- Machine learning and statistical methods for data mining
- Data mining systems and platforms, their efficiency, scalability and privacy
- Data mining in modeling, visualization, personalization and recommendation
- Neural Networks
- Restricted Boltzmann Machine
- Deep Belief Network
- Fuzzy Logic
- Rough Sets
- Evolutionary Algorithms
- Genetic Algorithms
- Swarm Intelligence
- Artificial Immune Systems and Support Vector Machines

And any other domain related to the objective of the conference

The papers should neither be published previously not currently under review by any other conference or journal. The selected Papers would be shortlisted for the presentation on the day of conference. Decision on the papers will be intimated through e-mail along with the guidelines and last dates for the submission of the camera ready manuscript. All the accepted Papers will be published by SPRINGER or International Journal of Ambient Computing and Intelligence (IJACI) listed in UGC list of journals and indexed by Web of Science Emerging Sources Citation Index (ESCI), SCOPUS.

IMPORTANT DATES

LAST DATE FOR SUBMISSION OF MANUSCRIPT:	30th NOV 2017
AUTHOR NOTIFICATION:	10th DEC 2017
LAST DATE FOR SUBMISSION OF FINAL CAMERA READY PAPERS:	20th DEC 2017
CONFERENCE DATES:	4th- 5th JAN 2018

**VENUE: DASARI AUDITORIUM,
SREE VIDYANIKETHAN ENGINEERING COLLEGE (AUTONOMOUS)**

REGISTRATION FEE

Categories	Indian Paricipants	International Paricipants
Author Fee	₹5000	USD 150
Participation Fee	₹1000	USD 90

Conference Website: http://www.iccsai.info

FOR FURTHER DETAILS: Contact: +91 996 625 2493, +91 889 716 5555 ‖ Email: convener@iccsai.info

DEPARTMENT OF COMPUTER SCIENCE AND SYSTEMS ENGINEERING

Second International Conference on "Cognitive Science and Artificial Intelligence"

The Department of Computer Science and Systems Engineering has organized Second International conference on **"Cognitive Science and Artificial Intelligence"**, on 4th – 5th January 2018. It brought together a wide range of researchers, academicians, and research scholars related to the theme of the conference.

It served as an interdisciplinary platform for the exchange of knowledge on Cognitive Science and Artificial Intelligence, the scientific meeting had seven keynote sessions and 35 papers were presented related to the theme of the conference.

Day 1: 4th January 2018

Session 1: Inauguration and Keynote by **Prof. V S Chandrasekhar Pammi**

Dr. P.C. Krishnamachary,Principal, **Dr.D.V.S. Bhagavanulu**, Director, **Dr.I.Sudharshan Kumar** Chief operatin Officer, **Mr B Ravisekhar** Director, Finance and Administration, **Dr B Narendra Kumar Rao**, HOD, CSSE along with Guest of Honor **Prof. V S Chandrasekhar Pammi**, University of Allahabad, Allahabad, inaugurated the conference.

Inaugural Session – Invocation

Lamp lightening by the Chief Guest and other Dignitaries

Delivering the first presentation of the ICCSAI-2018, **Prof. V S Chandrasekhar Pammi** presented his extensive research on "Decision making: Behavioral, Computational and Neural Approaches", He discussed about The boundaries of instance-based learning theory for explaining decisions from experience, Understanding consumer decisions using behavioral economics, Relativized hierarchical decomposition of Markov decision processes etc.

Prof. **V S Chandrasekhar Pammi,** University of Allahabad delivering talk

Participants listening the lecture

Session – II: Keynote – 2 "Machine Learning and Big Data Analytics: Past, Present, and Future" by **Dr. Annappa**

Dr. Annappa, Associate Professor, National Institute of Technology Surathkal presented the keynote address and explained about the importance of Machine Learning and the Future of the Big Data Analytics. It goes over the present-day Machine Learning challenges such as Automated Decision Making, Perceptual Tasks, and Anomaly Detection.

Prof. Annappa, *NIT Surathkal delivering talk*

Participants listening the lecture

Session – III: Paper Presentations.

In this session authors presented their papers and the session was chaired by **Dr VV Rama Prasad**, Professor, SVEC, and co-chaired by **Dr K Ramani**, Professor, SVEC.

*Participant **Dr. Rama Raju** is presenting his paper*

Day 2 : 5th January 2018

*Participant **Ms. Nalini** is presenting her paper*

Session IV: Paper Presentations

In this session authors presented their papers and the session was chaired by **Dr C Shobha Bindu**, Professor JNTU Anantapur, **Dr. K Suneeth**, HOD & Professor of MCA, SVEC.

*Participant **Dr. Mariappan** is presenting his paper*

Day 2: 5th January 2018

Session V: Big Data Approaches in Computational Neuro Imaging by **Dr. Krishna Prasad**

Dr. Krishna Prasad's presentation, titled "Big Data Approaches in Computational Neuro Imaging" discussed on computational methods for research which requires both specific Big data tools and extensive computational expertise, to create fast and robust solutions for the appropriate application of computational neuroimaging strategies in research.

Dr. Krishna Prasad, IIT Gandhinagar delivering talk

Dr. Pruthvi delivering talk

Session VI: Artificial Intelligence and Business Impact by **Dr. Pruthvi Sekhar Pagala**

In his presentation **Dr. Pruthvi Sekhar** briefed about Basics of Artificial Intelligence and their importance in Business sector , He also explained different algorithms used in AI.

Session VII: Closing Ceremony

Dr. C Subhash and **Dr. Babu M. Matam**. Dean, International Student Affairs SVET, and chief guest **Dr. Pruthvi Sekhar Pagala** graced the valedictory ceremony. Certificates were distributed to the Participants. The outcomes are listed below:

1. Totally 120 participants got benefitted by gaining knowledge on Cognitive Science and Artificial Intelligence.
2. Participants will apply creativity and knowledge of Cognitive Science and Artificial Intelligence to publish Research Articles in reputed journals.

Staff Development Programme on "Training Program on Linux"
14-05-2018

SCHEDULE

Venue: CSSE Seminar Hall   **Time: 9:00 AM to 5:00 PM**

Sl. No.	Date	Topic	Name of the Resource Person
1.	14-05-2018	Introduction to Linux,	Mr. A. Chandra
2.	14-05-2018	System commends, Internal commands, External Commands	Mr. A. Chandra

With a request to circulate among the nominated Non-Teaching Staff Members.

HOD, CSSE

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Sree Sainath Nagar, Tirupati – 517 102

DEPARTMENT OF COMPUTER SCIENCE AND SYSTEMS ENGINEERING

Organizing

*One – Day Staff Development Programme
for Non – Teaching Staff*

On

TRAINING PROGRAM ON LINUX

14th May 2018

Venue: CSSE Seminar Hall (520)

Resource Person:

1. Mr. A. Chandra, Assistant Professor, Department of CSSE

Department of Computer Science and Systems Engineering

04-05-2018

Submitted to the Principal

The Department of CSSE is going   to organize Staff Development Programme "**Training program on Linux** "on **14-05-2018**

The resource person is

1. **Mr. A. Chandra**,

   Assistant Professor

   Department of CSSE

   SVEC

Target Group: Lab Technicians of SVEC.

Coordinator for above event: Mr. M. Ramu , Assistant Professor, Department of CSSE.

HOD, CSSE

Department of Computer Science and Systems Engineering

04-05-2018

<u>**Circular**</u>

The following faculty members are requested to act as resource persons for the One Day Staff Development Programme on "**Training program on Linux**" from 14-05-2018.

S.No.	Date	Topic	Name of the Resource Person
1.	14-05-2018	Introduction to Linux,	Mr. A. Chandra
2.	14-05-2018	System commends, Internal commands, External Commands	Mr. A. Chandra

HOD, CSSE

2017-18

Panel 1

Three Days

Faculty Development Programme

On

Data Mining Tools

January 23-25,2018

SREE
VIDYANIKETHAN
Engineering College

Organized by

Department of Information Technology
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, A. Rangampet
Near Tirupati - 517 102 (A. P)

Ph: +(91) 877-2236711-14   Fax: 0877-2236717

www.vidyanikethan.edu

Panel 2

Chief Patron
Dr. M. Mohan Babu
Chairman, SVET

Patron
Dr. P.C. Krishnamachary
Principal, SVEC

Convener
Dr. K. Ramani
HOD, IT

Co-ordinator

Mr. Ch.Sreenu Babu, Assistant Professor

Organizing Committee
Faculty of Information Technology

Address for Correspondence:

The Convener
Department of Information Technology
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, A. Rangampet,Tirupati-517 102.

Panel 3

Three Days

Faculty Development Programme

on

DATA MINING TOOLS

January 23 -25, 2018

REGISTRATION FORM
(Use Photostat copies if necessary)

Name: _____

Qualification: _____

Gender: _____

Designation: _____

Institution: _____

Experience: _____ Other: _____

Address for Communication: _____

_____

E-Mail: _____

Mobile No: _____

Signature of the Participant

Place:

Signature of Principal/HOD

Date:

College Profile:

- The College was established in 1996 by Sree Vidyanikethan Educational Trust under the stewardship of Dr. M. Mohan Babu, Padma Shri Awardee, renowned film artiste and former member of Parliament (Rajya Sabha).
- Approved by AICTE, New Delhi and affiliated to Jawaharlal Nehru Technological University, Anantapuramu.
- The college conferred 'Autonomy' by UGC, New Delhi.
- 6 UG and 4 PG Programs are accredited by National Board of Accreditation (NBA), New Delhi.
- Awarded 'College with potential for Excellence' by UGC, New Delhi under XII Plan period UGC-CPE scheme.
- The college is accredited with "A" grade by NAAC.
- Offers B.Tech Program in 08 disciplines, M.Tech Program in 08 specializations and MCA.
- Extensive Computing facilities with 2000+ computers.
- Centrally Air-conditioned Auditorium, e-class Rooms and Seminar Halls.
- TEQIP-II under Sub Component1.1: Strengthening Institution to improve learning outcomes and employability of graduates with a grant of Rs.4 Crores. An additional fund of Rs. 2 crores obtained as one of the best performing Institution.
- MoUs with 20 Industries/Institutions including IIT-Hyd, IITM-QEEE, CII-Hyd & ISB-Hyd.
- Vibrant placements for both UG & PG.

Route: 15 km from the temple town of Tirupati on Tirupati - Madanapalle National Highway No.205.

Courses offered

The college offers B.Tech programs in CSE, IT, EEE, ECE, EIE, CSSE, Civil and Mechanical. The college also offers MCA and M.Tech in CS, CNIS, SE, EPS, DECS, VLSI, PED and Communication Systems.

Objectives:

- To provide skills on Data Mining tools such as Weka, R-Studio, Rapid Miner, KNIME and Python.
- To provide knowledge and hands-on experience on Machine Learning, Data Analytics.

Topics:

- Introduction to Data Mining and Machine Learning.
- Weka visualization Tools and Algorithms for data Analysis and Predictive Mining.
- Basics of Python, NumPy, Pandas packages with Hands-on
- Data Visualization using R-Studio
- Statistical Analysis using R-Studio
- Machine Learning using Python.
- Data Mining techniques using Rapid Miner
- Regression Analysis using R –Studio

Resource Persons: Experienced Faculty from department of IT, SVEC.

Eligibility:

- Faculty of CSE, IT, CSSE and MCA.

Registration:

No registration fee.
Filled in Registration form is to be submitted to the co-ordinator on or before 20-01-2018.

General Information:

- The number of participants is limited to 50. Selection will be on first come first served basis.
- Certificates will be issued to all the participants only if they attend all the sessions.

Contact:

1. Mr. Ch.Sreenu Babu
Assistant Professor
Department of Information Technology
Mobile No.: +91-9963674617

Important Dates

- Registration closes by : Jan 20th , 2018
- Program Dates : Jan 23-25, 2018

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, TIRUPATI – 517 102
Department of Information Technology

Three Day Faculty Development Programme
on
"Data Mining Tools"
23-25 January, 2018

LIST OF PARTICIPANTS

S. No	Name of the Faculty	Designation
1.	Dr Vellingiri Jayagopal	Associate Professor/IT/SVEC
2.	V Jyothsna	Asst.Professor/IT/SVEC
3.	Dr J S Binoj	Associate Professor/ME/SVEC
4.	Dr. S. Ragunathan	Associate Professor/ME/SVEC
5.	E. Hari	Asst.Professor/CSE/SVEC
6.	Dr. Sadu Venkatesu	Associate Professor/ME/SVEC
7.	V.S.V.S.S.S.M. Chakradhar	Asst.Professor/IT/SVEC
8.	Bhaskar Kumar Rao. B	Asst.Professor/IT/SVEC
9.	K. L. Narasimhamu	Asst.Professor/ME/SVEC
10.	Dr. T. Hari Prasad	Professor/ME/SVEC
11.	Ch Prathima	Asst.Professor/IT/SVEC
12.	Mahendra M	Asst.Professor/IT/SVEC
13.	B Sreedhar	Asst.Professor/CSE/SVEC
14.	E Sandhya	Asst.Professor/IT/SVEC
15.	B Tharakeswara Raju	Asst.Professor/BS&H/SVEC
16.	B Rakesh	Asst.Professor/IT/SVEC
17.	T.M. Jaya Krishna	Asst.Professor/CSE/SVEC
18.	Madhu Kumar Patnala	Assistant Professor/ CSS/SVEC
19.	Ms.G Komala yadav	Assistant Professor/ CSSE/SVEC
20.	Ramani Kasarapu	Assistant Professor/ CSSE/SVEC
21.	Dr.K. C. Vara Prasad	Professor/ME/SVEC
22.	P. Srinivasa Reddi	Associate Professor/IT/SVEC
23.	Dr N.Manikandan	Asst.Professor/IT/SVEC
24.	B.Sachuthananthan	Asst.Professor/IT/SVEC
25.	M Thrilok Reddy	Asst.Professor/IT/SVEC
26.	Bhogi Reddy Narendra	Asst.Professor/CSE/SVEC
27.	P. Naren Chakravarthy	Asst.Professor/CSE/SVEC

S. No	Name of the Faculty	Designation
28.	M Gangaraju	Assistant Professor/ CSE/SVEC
29.	N Harish	Assistant Professor/ CSE/SVEC
30.	G Venkatesh	Assistant Professor/ CSE/SVEC
31.	T Krishna Moorthy	Assistant Professor/ CSE/SVEC
32.	A.R. Kishore Kumar	Asst.Professor/IT/SVEC
33.	Dr. P. Srinivasa Rao	Asst.Professor/IT/SVEC
34.	Dr. K. Suneetha	Professor/ MCA/SVEC
35.	Y. Kiran Kumar	Asst.Professor/IT/SVEC
36.	Dr. A. Jyothi Babu	Associate Professor/MCA/SVEC
37.	A. Venkatesh	Assistant Professor/ me/SVEC
38.	P. Bhasha	Asst.Professor/IT/SVEC
39.	S Shiva Prakash	Asst.Professor/IT/SVEC
40.	B Vishnu Vardhana Naidu	Asst.Professor/CSE/SVEC
41.	Dr. Gowtham Prasad TVS	Asst.Professor/CSE/SVEC
42.	S Bharath bhushan	Asst.Professor/IT/SVEC
43.	Ramprakash Reddy Arava	Asst.Professor/IT/SVEC
44.	C.Sushama	Asst.Professor/CSSESVEC
45.	B. Sangamithra	Asst.Professor/IT/SVEC
46.	Dr. K. Venkateswara Raju	Asst.Professor/IT/SVEC
47.	K. Thanweer Basha	Asst.Professor/BS&H/SVEC
48.	T. Kavitha	Asst.Professor/BS&H/SVEC
49.	O. Rajitha	Asst.Professor/BS&H/SVEC
50.	R. Nagendra	Asst.Professor/BS&H/SVEC
51.	V. Jalaja	Asst.Professor/BS&H/SVEC

Convener

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati – 517 102

Department of Information Technology

Three Day Faculty Development Programme
on
"Data Mining Tools"
January 23-25, 2018

Department of Information Technology organized Three day Faculty Development Program (FDP) on "Data Mining Tools" during January 23-25, 2018 at Sree Vidyanikethan Engineering College, A. Rangampet. The FDP was organized 51 faculty members are actively participated and gained useful information from all the sessions.

Day 1: 23-01-2018 (Tuesday)

The faculty Development Programme was, inaugurated by **Dr. V. V. Rama Prasad**, Professor of CSE & BoS Chairman, **Dr. K.Ramani**, HoD of IT & Convener and **Ch. Sreenu Babu,** Assistant Professor Coordinator of the Programme, at 10:00 A.M.

Inaugural function

On this Occasion, **Dr. K. Ramani**, Professor & Head, Dept. of IT, SVEC welcomed all the dignitaries and delegates. In her welcome speech, she highlighted the importance and objectives of the faculty development programme on Data Mining Tools.

Session 1: Dr. K. Ramani, Professor & HOD of IT, SVEC, delivered a lecture on "Importance of Data Mining and Data Mining Tools " from 9.00 AM – 11.00 AM. The participants interacted with the resource person and clarified their doubts regarding the importance of Data Mining Tools.

Dr. K. Ramani, Professor & Head of IT delivering a lecture on "Importance of Data Mining and Data Mining Tools".

Session 2 ,3 & 4: Mr.Ch.Sreenu Babu, Assistant Professor of IT, SVEC, given a talk "Weka Tool". In his talk, he discussed about Clustering, classification and association using Weka tool.

Day 2: 24-01-2018 (Wednesday)

Session 1, 2,3 &$: Dr.A.Srinivasulu Professor of IT, SVEC delivered a lectures on Introduction to Rapid Miner Tool, Building Predictive Models by using Rapid Miner, Designing data science workflows and reusable components . He also focused on Rapid Miner tool. The participants interacted and clarified their doubts with the resource person.

Day 3: 25-01-2018 (Wednesday)

Session 1, 2,3 &4: Dr.O.Obulesu Associate Professor of IT, SVEC delivered a lectures on Introduction R studio, Machine learning algorithms using R studio and Use of Python for data science. The participants interacted and clarified their doubts with the resource person.

One Week Workshop for Young Faculty on Data Science

19-23, June 2018

Organized by

Department of Information Technology

SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous) Tirupathi, India

Dates: 19-23, June 2018

Registration:

IEEE Members:

No Registration Fee

Non-IEEE Members:

Rs. 500/-

Space is limited

60 members on first come first serve basis.

Registration Link:

https://goo.gl/forms/oD49SZh8nTuTu513

Deadline: 14ᵗʰ June 2018

Resource Persons:

Dr. B L Deekshatulu, Fellow IEEE
Distinguished Fellow, IDRBT, Hyderabad

Dr. Naresh Manwani
Assistant Professor, IIIT Hyderabad

Dr. K Ramani, LMCSI
Professor, SVEC, Tirupathi

Dr. L. V. Reddy, MIEEE
Professor, SVEC, Tirupathi

Dr. M Naresh Babu, SMIEEE
Associate Professor, SVEC, Tirupathi

Dr. A. Srinivasulu, LMCSI
Professor, SVEC, Tirupathi

Dr. K Reddy Madhavi, LMCSI
Associate Professor, SVEC, Tirupathi

Dr. O. Obulesu, LMCSI
Associate Professor, SVEC, Tirupathi

Mrs. P Dhana Lakshmi
Assistant Professor, SVEC, Tirupathi

For Details Contact:
Dr. L. V. Reddy, Co-ordinator
Email: lakkireddy.v@ieee.org

Objective of the Workshop:

The main objective of this workshop is to introduce data science area young faculty about new foundational, theoretical results, method applications and tools. The goal of the workshop is to discuss and identi important challenges that need to be addressed, both in theory and practic for further advancement of data science.

Topics to be discussed:
- ✓ Understanding the Data
- ✓ Machine Learning Classification
- ✓ Time-Series Analysis
- ✓ Tools and Technologies for Data Science
- ✓ Data Visualizations and Statistical Analysis
- ✓ Big Data Analytics using Spark
- ✓ Hands-on Training on Machine Learning Algorithms
- ✓ Neural Networks
- ✓ Tensor Flow

About the Institution:

Sree Vidyanikethan Engineering College was established in the year 1996 l Sree Vidyanikethan Educational Trust (SVET) under the stewardship Padma Shri Dr. M. Mohan Babu, a renowned film artiste and former Memb of Rajya Sabha with the noble objective of promoting Technical Education the backward region of Rayalaseema, AP. Sree Vidyanikethan Engineerir College (Autonomous), Tirupathi is premier institute in Andhra Pradesh whit is Accredited by NBA and NAAC. University Grants Commission (UGC), Ne Delhi has conferred Autonomy to the College. Sree Vidyanikethz Engineering College was selected as College with Potential Excellen (CPE) by UGC.

In association with

SREE VIDYANIKETHAN
Engineering College (Autonomous)

IEEE
youngprofessionals.
HYDERABAD SECTION

IEEE
HYDERABAD SECTION

IEEE

List of Participants

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56.	Dr. Sasikumar Gurumoorthy	SVEC	dr.gurumoorthy@ieee.org	8870919338	No	
57.	Mr. V. Lokanadham Naidu	SVEC	vlnaidu1982@gmail.com	9885985851	No	
58.	Ms. K. Lakshmi Prasanna	SVEC	prasannaengg321@gmail.com	8978485186	No	
59.	Ms. K. Lalitha	SVEC	lalithahpc@gmail.com	9177619188	No	
60.	Mr. K Bala Chowdappa	G Pulla Reddy Engineering College	balak06@gmail.com	9848792568	Yes	

Department of Information Technology

A One Week Workshop for Young Faculty on "Data Science"

Sree Vidyanikethan Engineering College in association with IEEE Young Professionals Hyderabad Section (IEEE) organized a Workshop for Young Faculty on "Data Science" during 19th – 23rd June, 2018.

The workshop was organized with an objective to introduce Data Science to young faculty. Fruitful deliberations on challenges in the field of Data Science were addressed, both theoretically and practically.

In the inaugural session of the workshop was graced by Dr. P.C. Krishnamachary, Principal, SVEC, Dr. C. Subhas, Dean (Academics), Dr. K. Ramani, Professor & Head, SVEC and Program Coordinator Dr. L. V. Reddy, Professor, SVEC.

Prayer song by Mrs. K. Lalitha Assistant Professor, SVEC during the inaugural.
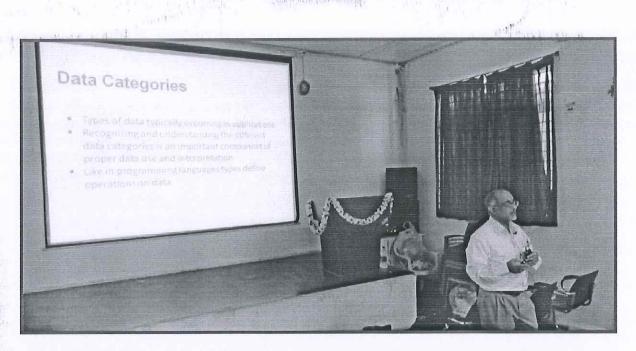
Dr. P.C. Krishnamachary, Principal, SVEC, addressing the Participants

Speaking on the occasion, Dr. P.C. Krishnamachary stressed on the importance and relevance of multi-disciplinary applicability of Data Science. Dr. L. V. Reddy, welcomed the participants and emphasized on Data Science as a need of the hour.
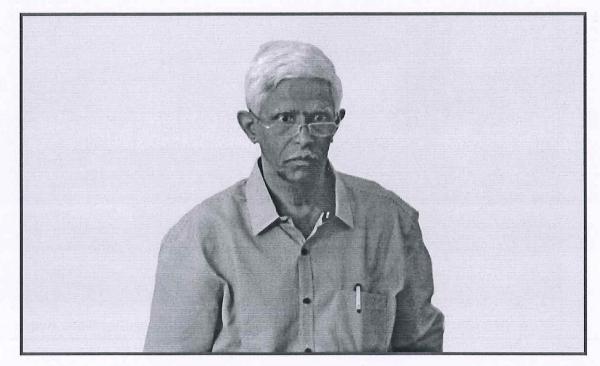
Dr. L.V. Reddy, Program Coordinator, SVEC, welcoming the Participants

The Chief Guest Dr. Atul Negi, Department of CSE, SICS, University of Hyderabad, Hyderabad in his inaugural address, explained the importance of Data Science in real life applications and thereby bridge the gap between the Industry and Academia. He also elucidated important applications of 'Data Categories and Classification'.

Chief Guest Dr. Atul Negi, Department of CSE, SICS delivering inaugural address on

'Data Categories and Classification'

The second session, 'An Overview of Data Science and Statistics' was handled by Dr. K. V. S Sarma, Retd. Professor, Department of Statistics, S.V University, Tirupati. Dr. M. Naresh Babu, Associate Professor, SVEC handled hands-on sessions on 'Artificial Neural Networks'
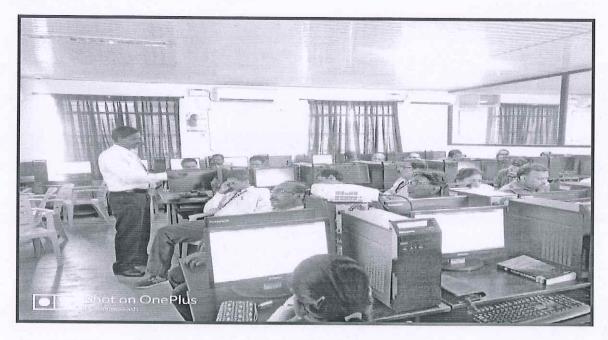
Dr. K.V.Sarma Retd. Professor, Department of Statistics, S.V University, Tirupati discussing "An Overview of Data Science and Statistics"

The second day of the workshop began with sessions on 'Convolution Neural Networks' and 'Artificial Neural Networks and Convolution Neural Networks using Tensor Flow' by Dr. M Naresh Babu.
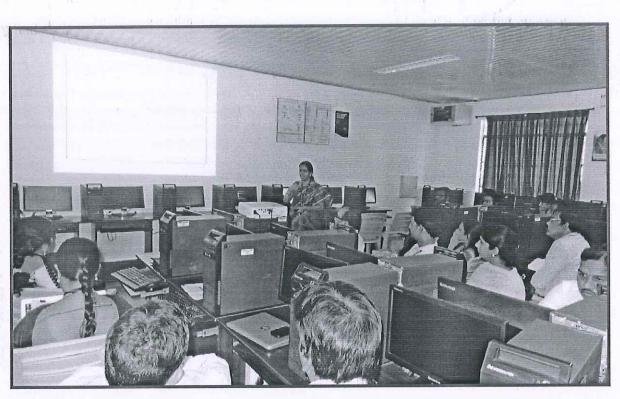
Dr. M. Naresh Babu, Associate Professor, SVEC, delivering lecture on "Artificial Neural Networks and Convolution Neural Networks using Tensor Flow"

Dr. A. Srinivasulu, Professor, SVEC handled the hands-on sessions on 'Big Data Analytics using Spark' in the post-lunch sessions.

Dr. A. Srinivasulu, professor, SVEC, delivering Lecture on Big Data Analytics using Spark

On 21st June, 2018, Dr. K. Ramani, Professor & Head, SVEC, presented a expository on 'Pattern Recognition and Machine Learning'. Mrs. P Dhana Lakshmi, Assistant Professor, SVEC provided insights on 'Techniques for Data Analysis'. In the afternoon, Dr. K. Reddy Madhavi, Associate Professor, SVEC, facilitated hands-on session on 'Time-Series Analysis using Prophet'
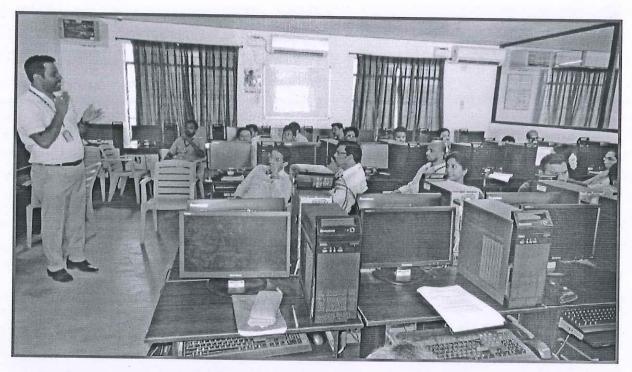
Dr. K. Ramani, Professor & Head, SVEC, delivering lecture on "Pattern Recognition and Machine Learning"
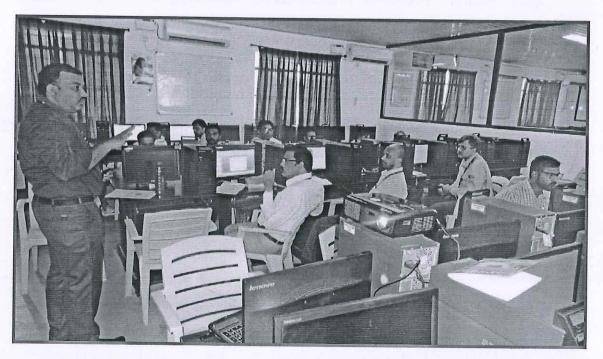
Mrs. P Dhana Lakshmi, Assistant Professor, SVEC providing insights on "Techniques for Data Analysis"

Dr. S. Hemachandra, Professor, SVEC, trained the participants of the workshop on 'Neural Networks' in the forenoon session of the fourth day. It was followed with a session by Ms. Ch. Prathima, Assistant Professor, SVEC, on 'Classification Techniques using R Tool' and a session by Dr. O. Obulesu Associate Professor, SVEC on 'Data Visualization and Statistical Analysis'.
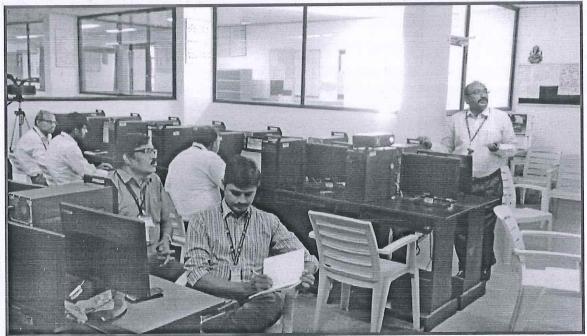
Dr. S. Hemachandra, Professor, SVEC, explaining the "Neural Networks"

**Dr. O. Obulesu, Associate Professor, SVEC, delivering a session on
"Data Visualization and Statistical Analysis"**

The final day of the workshop, started with a session by Dr. L. V. Reddy, Professor, SVEC on 'Classification of Machine Learning Algorithms'. Dr. O. Obulesu took a session on 'Data Visualization and Statistical Analysis' in the forenoon and hands-on training in the afternoon session.

Dr. L. V. Reddy, Professor, SVEC, discussing "Classification of Machine Learning Algorithms"

All the participants expressed that the training in new foundational science, theoretical results, methods, applications and tools of data science was beneficial. The workshop came to a successful end with distribution of certificates, and feedback from participants in the valedictory session.

Dr. K. Delhi Babu, Dean, Placement and Training, distributing the certificate to the participant.

**Dr. K. Ramani, HOD, Dept. of Information Technology, distributing
the certificate to the participant.**

60 faculty members participated and gained knowledge on Data Science and its real time applications.

Outcomes of the one week workshop on "Data Science for Young Scientists" were:

1. Faculty members gained knowledge on important applications of Data Categories and Classification.

2. Faculty members acquired skills to develop applications/projects with hands-on sessions on the latest Data Science Tools.

3. Faculty members gained practical knowledge on how Neural Networks can be applied using Tensor Flow.

Chief Patron
Dr. M. Mohan Babu
Chairman, SVET

Patron
Prof. T. Gopala Rao
Special Officer, SVET

Advisors
Dr. D. V. S. Bhagavanulu, Director, SVEC
Dr. P. C. Krishnamachary, Principal, SVEC

Convener
Dr. K. Ramani
HOD, IT

Co-ordinators
Ms. V. Jyothsna, Assistant Professor
Mr. P. Bhasha, Assistant Professor

Organizing Committee
Faculty of Information Technology

Address for Correspondence:
The Convener
Faculty Development Programme
on
Cyber Security and Forensics
Department of Information Technology
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati-517 102

Three Day

Faculty Development Programme

on

"Cyber Security and Digital Forensics"

22 – 23 February, 2018

REGISTRATION FORM
(Use Photostat copies if necessary)

Name: _____

Qualification: _____

Gender: _____

Designation: _____

Institution: _____

Experience: _____ Other: _____

Address for Communication: _____

_____

E-Mail: _____

Mobile No: _____

Place: _____

Date : _____

Signature of the Participant

Signature of Principal/HOD with Seal

College Profile:

- The College was established in 1996 by Sree Vidyanikethan Educational Trust under the stewardship of Dr. M. Mohan Babu, Padma Shri Awardee, renowned film artiste and former member of Parliament (Rajya Sabha).
- Approved by AICTE, New Delhi and affiliated to Jawaharlal Nehru Technological University, Anantapuramu.
- The college conferred 'Autonomy' by UGC, New Delhi.
- 6 UG and 4 PG Programs are accredited by National Board of Accreditation (NBA), New Delhi.
- Awarded 'College with potential for Excellence' by UGC, New Delhi under XII Plan period UGC-CPE scheme.
- The college is accredited with "A" grade by NAAC.
- Offers B.Tech Program in 08 disciplines, M.Tech Program in 08 specializations and MCA.
- Extensive Computing facilities with 2000+ computers.
- Centrally Air-conditioned Auditorium, e-class Rooms and Seminar Halls.
- TEQIP-II under Sub Component1.1: Strengthening Institution to improve learning outcomes and employability of graduates with a grant of Rs.4 Crores. An additional fund of Rs. 2 crores obtained as one of the best performing Institution.
- MoUs with 20 Industries/Institutions including *IIT-Hyd, IITM-QEEE, CII-Hyd & ISB-Hyd.*
- Vibrant placements for both UG & PG.

Route: 15 km from the temple town of Tirupati on Tirupati - Madanapalle National Highway No.205.

Courses offered

The college offers B.Tech programs in CSE, IT, EEE, ECE, EIE, CSSE, Civil and Mechanical. The college also offers MCA and M.Tech in CS, CNIS, SE, EPS, DECS, VLSI, PED and Communication Systems.

Objectives:

- To adopt principles of cyber security from the perspective of providing security awareness and its best practices for the real world latest technologies
- To update knowledge on Law and Cyber Technology
- To provide hands-on experience on Digital Forensics tools to be "safe" on social media.

Topics:

- Introduction to Networked Communication
- Goals of Cryptography, Symmetric Key Cryptography, Asymmetric Key Cryptography and Network Security
- Security in Wired Networks, Wireless Networks (Cellular Nets and MANETs), and Cognitive Networks
- Digital Forensics
    - Data Diddling
    - Dead Dropping
    - Guerrilla Mail
    - Anonymizer.com
    - Keylogger Software & Hardware
    - Stuxnet
    - Nitro Attacks
    - DDoS Attacks
    - Ghostnet
    - Cyber Defamation
    - Phishing
    - Suspicious Router and Various Cyber Crimes
- Law and Cyber Technology and The IT Act, 2000

Resource Persons:

1. **Prof. S.V Gopalaiah,** Senior Scientific Officer, Wireless Communications and Networking, IISc, Bangalore
2. **Ms. Shubhamangala Sunil,** Managing Director, Cyber Security Professional, Global Cyber Security Response Team Pvt., Ltd., Bangalore.
3. **Mr. V.Rajendran President,** President, Cyber Society of India, Chennai.

Eligibility:

Faculty from AICTE recognized Engineering colleges.

Registration:

- No registration fee.
- Participants can email the filled in Registration form to jyothsna1684@gmail.com on or before February 20, 2018.

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   Mobile No.: +91-9491770934

Important Dates

- Registration closes by : **February 20, 2018**
- Programme Dates : **22 – 23 February, 2018**

THREE DAY FACULTY DEVELOPMENT PROGRAMME

on

"Cyber Security and Digital Forensics"

(22 - 24 February, 2018)

REGISTERED PARTICIPANTS

SREE VIDYANIKETHAN
Engineering College

Department of Information Technology

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21.	Ms. E. Sandhya Assistant Professor in IT SVEC, Tirupati	9553436755	ethala_sandhya@yahoo.co.in
22.	Mr. S. Shiva Prakash Assistant Professor in CSSE SVEC, Tirupati	9440656515	shivasthaneekam@gmail.com
23.	Ms. K. Guru Jyothsna Devi Research Scholar in CSE SVU, Tirupati	9581350233	k.jyothsnadevi515@gmail.com
24.	Mr. N. Ramesh Assistant Professor in ECE SPMVU, Tirupati	9985697902	neerurams@gmail.com
25.	Mr. Thota Kesava Rao Assistant Professor in CSE SPMVU, Tirupati	9603547356	thota.kesavarao@gmail.com
26.	Mr. P. Ramesh Babu Associate Professor in CSE SIET, Puttur	9293750019	palamakularamesh@gmail.com
27.	Mr. R. Sanjeeva Reddy Research Scholar in CSE SVU, Tirupati	9505960522	haisanjeevareddy@gmail.com
28.	Mr. P. Vijaya Bhaskar Reddy Research Scholar in CSE SVU, Tirupati	9666508044	bhskr.dwh@gmail.com
29.	Ms. Y. Mohana Roopa Associate Professor in CSE AITS, Tirupati	9573988829	mohanaroopa@rediffmail.com
30.	Mr. Ramprakash Reddy Assistant Professor in IT SVEC, Tirupati	9701724633	prakash.cse.502@gmail.com
31.	Mr. M. Mahendra Assistant Professor in IT SVEC, Tirupati	9949192616	mahendrame405@gmail.com
32.	Mr. Chukka Santaiah Research Scholar in CSE SVU, Tirupati	9030458180	santha_mtech@yahoo.co.in
33.	Mr. Garikapati Prasad Associate Professor in CSE SIET, Puttur	9441107771	prasad.sietk@gmail.com
34.	Mr. C. Sesha Ratnam Associate Professor in CSE&IT Sree Rama Engg College, Tirupati	9966173083	seshu72000@gmail.com
35.	Mr. B. Hari Krishna Assistant Professor in CSE JNTUA College of Engineering Pulivendula	8688712508	haribommala@gmail.com
36.	Dr. K. Ramani HoD, IT SVEC, Tirupati	9963971785	ramanidileep@yahoo.com
37.	Dr. L. V. Reddy Professor in IT SVEC, Tirupati	99855333166	lakkireddyv@gmail.com
38.	Mr. P. Srinivasa Reddi Associate Professor in IT SVEC, Tirupati	9491521244	psrinivasareddi@gmail.com
39.	Mr. G. Uma Mahesh Assistant Professor in IT SVEC, Tirupati.	9959458976	umamaheshg.it@gmail.com
40.	Mr. G.M.Chanakya Assistant Professor in IT SVEC, Tirupati	8790340374	chanakya.gm@gmail.com

S. No	Name of the Participant	Mobile Number	Email Id
41.	**Dr. K. K. Baseer** Associate Professor in IT SVEC, Tirupati	9502900970	kkbasheer.ap@gmail.com
42.	**Mr. C. Kishore** Assistant Professor in IT SVEC, Tirupati	9700092196	mr.c.kishore@gmail.com
43.	**Ms. C. Silpa** Assistant Professor in IT SVEC, Tirupati	9440861417	silpa.c8@gmail.com
44.	**Ms. K. Lakshmi Prasanna** Assistant Professor in IT SVEC, Tirupati	8978485186	prasannaengg321@gmail.com
45.	**Mr. M. Thrilok Reddy** Assistant Professor in IT, SVEC, Tirupati	9959601056	m.thrilokreddy@gmail.com
46.	**Dr. J Vellingiri** Associate Professor in IT SVEC, Tirupati	9842097523	vellingirijayagopal@gmail.com
47.	**Ms. Ch. Prathima** Assistant Professor in IT SVEC, Tirupati	8106400566	chilukuriprathi@gmail.com
48.	**Mr. V.S.V.S.S.S.M Chakradhar** Assistant Professor in IT SVEC, Tirupati	9885460234	chakri.cseb2@gmail.com
49.	**Mr. Ch. Sreenu Babu** Assistant Professor in IT SVEC, Tirupati	9963674617	sreenubabu.ch@gmail.com
50.	**Ms. Bathyala Sangamithra** Assistant Professor in IT SVEC, Tirupati	9912642000	mithra197@gmail.com

HOD, IT

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati – 517 102

Department of Information Technology

Three Day Faculty Development Programme

On
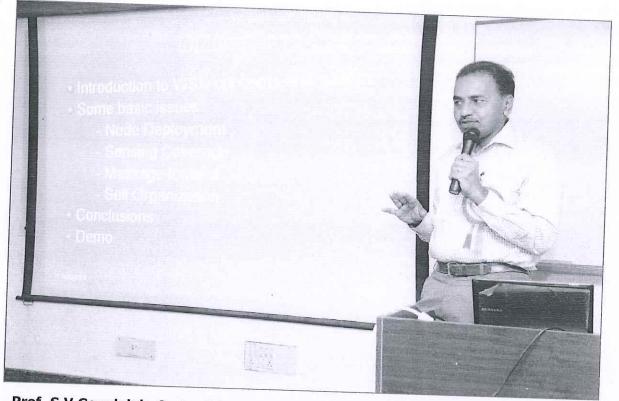
"Cyber Security and Digital Forensics "

Faculty Development Programme (FDP) was organized by Department of Information Technology, Sree Vidyanikethan Engineering College, A. Rangampet for two days during January 01-02, 2018. About 50 faculty members are actively participated and gained useful information from all the sessions. This FDP mainly focused on Fundamentals of Network Security, Cyber Security, Cyber Forensics, Personal Computer Security and cyber Laws.

During the inauguration of the programme held on 22 February 2018, Dr. K. Ramani, HOD, IT spoke on the need for up gradation of subject knowledge and skills on Cyber Security and Digital Forensics to face the real time problems occurring in social media. About 50 faculty members from different colleges participated in the programme.

After the inauguration of the programme **Prof. S.V Gopalaiah,** Senior Scientific Officer, Wireless Communications and Networking, IIsc, Bangalore gave a detailed presentation on Introduction to Networked Communication, Goals of Cryptography, Symmetric Key Cryptography, Asymmetric Key Cryptography, Goals of Network Security, Security in Wired Networks, Security in Wireless Networks (Cellular Nets and MANETs), Security in Cognitive Networks.

Ms. Shubhamangala Sunil, Managing Director, Cyber Security Professional, Global Cyber Security Response Team Pvt., Ltd., Bangalore who is Professionally trained and experienced in identifying, handling, preserving and analyzing the digital evidence encountered in various Cyber crimes delivered a lecture on second day of the program i.e., 23 February 2018. In her presentation on Digital Forensics, she mainly focus on the Integral Part of Information Security and also the tools on Digital Forensics which includes Data Diddling, Dead Dropping, Guerrilla Mail, Anonymizer.com, Keylogger Software & Hardware, Stuxnet, Nitro Attacks, Ddos Attacks, Ghostnet, Cyber Defamation, Phishing, SQL Injection, Suspicious Router, and Various Cyber Crimes.

Prof. S.V Gopalaiah, Senior Scientific Officer, Wireless Communications and Networking, IIsc, Bangalore explaining about Security issues in Wireless sensor networks

Ms. Shubhamangala Sunil, Managing Director, Cyber Security Professional, Global Cyber Security Response Team Pvt., Ltd., Bangalore giving lecture on SQL Injection

On Third day of the program i.e., 24 February 2018, **Mr. V.Rajendran**, President, Cyber Society of India, Chennai gave elaborate presentation on Law and Cyber Technology and The IT Act, 2000 which includes legal recognition for transactions carried out through electronic mode and related data, legal recognition to digital signature, electronic filing of documents with government departments, storage of electronic data and electronic fund transfer etc.

Mr. V.Rajendran, President, Cyber Society of India, Chennai delivering lecture on Law and Cyber Technology and The IT Act, 2000

At the end, the programme **Dr. K. Ramani**, HoD of IT appreciated the resource persons for their effort in delivery good inputs in the FDP and participates for their patience listening. Finally FDP is concluded with a vote of thanks given by **Ms. V. Jyothsna,** Assistant Professor of IT.

Ms. V. Jyothsna, Assistant Professor of IT and **Mr. P. Bhasha,** Assistant Professor of IT were the coordinators of this FDP.

Two Day

Faculty Development Program

on

"MoodleCloud: An ICT f
Effective Educational
Communication"

01-02 January, 2018

SREE
VIDYANIKETHAN
Engineering College

Organized by

Department of Information Technol

SREE VIDYANIKETHAN ENGINEERING CO
(AUTONOMOUS)

Sree Sainath Nagar, Tirupati- 517 102 (A.F
Ph: +(91) 877-2236711-14   Fax: 0877-2:
www.vidyanikethan.edu

Chief Patron
Dr. M. Mohan Babu
Chairman, SVET

Patron
Prof. T. Gopala Rao
Special Officer, SVET

Advisors
Dr. D. V. S. Bhagavanulu, Director, SVEC
Dr. P. C. Krishnamachary, Principal, SVEC

Convener
Dr. K. Ramani
HOD, IT

Co-ordinators
Dr. K. Khaja Baseer, Associate Professor
Ms. C. Silpa, Assistant Professor

Organizing Committee

Faculty of Information Technology

Address for Correspondence:

The Convener
Faculty Development Programme
on
MoodleCloud: An ICT for Effective
Educational Communication
Department of Information Technology
SREE VIDYAN   GINEERING COLLEGE
)US)
Sree Sai   Tirupati-517 102

Two Day

Faculty Development Programme

on

"MoodleCloud: An ICT for
Effective Educational
Communication"

01-02 January, 2018

REGISTRATION FORM
(Use Photostat copies if necessary)

Name: _____

Qualification: _____

Gender: _____

Designation: _____

Institution: _____

Experience: _____ Other: _____

Address for Communication: _____
_____

E-Mail: _____

Mobile No: _____

Signature of the Participant

Place:
Date :

Signature of Principal/HOD with Seal

Scanned with CamScanner

College Profile:

❖ The College was established in 1996 by Sree Vidyanikethan Educational Trust under the stewardship of Dr. M. Mohan Babu, Padma Shri Awardee, renowned film artiste and former member of Parliament (Rajya Sabha).

❖ Approved by AICTE, New Delhi and affiliated to Jawaharlal Nehru Technological University, Anantapuramu.

❖ The college conferred 'Autonomy' by UGC, New Delhi.

❖ 6 UG and 4 PG Programs are accredited by National Board of Accreditation (NBA), New Delhi.

❖ Awarded 'College with potential for Excellence' by UGC, New Delhi under XII Plan period UGC-CPE scheme.

❖ The college is accredited with "A" grade by NAAC.

❖ Offers B.Tech Program in 08 disciplines, M.Tech Program in 08 specializations and MCA.

❖ Extensive Computing facilities with 2000+ computers.

❖ Centrally Air-conditioned Auditorium, e-class Rooms and Seminar Halls.

❖ TEQIP-II under Sub Component1.1: Strengthening Institution to improve learning outcomes and employability of graduates with a grant of Rs.4 Crores. An additional fund of Rs. 2 crores obtained as one of the best performing Institution.

❖ MoUs with 20 Industries/Institutions including IIT-Hyd, IITM-QEEE, CII-Hyd & ISB-Hyd.

❖ Vibrant placements for both UG & PG.

Route: 15 km from the temple town of Tirupati on Tirupati - Madanapalle National Highway No.205.

Courses offered

The college offers B.Tech programs in CSE, IT, EEE, ECE, EIE, CSSE, Civil and Mechanical. The college also offers MCA and M.Tech in CS, CNIS, SE, EPS, DECS, VLSI, PED and Communication Systems.

Objectives:

❖ To adopt latest technologies for teaching and learning.

❖ To provide hands-on experience on MOOC platform and open source tools.

❖ To improve pedagogy abilities using flipped classrooms and blended learning.

❖ To update knowledge on innovative curricular design in the domain of engineering using cognitive based pedagogy.

Topics:

❖ Good Practices using Open Education Resources (OER)

❖ Flipped classroom / Blended Learning

❖ MOOCs

❖ ICT for Effective Educational Communication: MoodleCloud
  - Creation of MoodleCloud website
  - Creation of Online Course
  - Enroll Students / Participants
  - Announcements
  - Submission of Online Assignments
  - Submission of Group Activities / Projects / Tasks
  - Online Lesson
  - Online Quiz / Test
  - Forum Discussion
  - Workshop Submission and Assessment
  - Online Feedback
  - LIVE Sessions
  - Chat, Choice, Glossary and Wiki

❖ Video/Audio content creation using open source tools.

Resource Persons:

1. **Dr. K. Khaja Baseer,** Assoc. Professor of
2. **Ms. C. Silpa,** Assistant Professor of IT, SVE

Eligibility:

Faculty from AICTE recognized Engin colleges.

Registration:

❖ No registration fee.

❖ Participants can email the filled in Reg form to silpa.c8@gmail.com on or 1st January, 2018.

Contact Persons:

1. **Dr. K. Khaja Baseer**
   Associate Professor of IT
   Mobile No.: +91-9502900970

2. **Ms. C. Silpa,**
   Assistant Professor of IT
   Mobile No.: +91-9440861417

Important Dates

❖ Registration closes by : **January 1st, 2**

❖ Programme Dates   : **January 01-02**

Session – 1 & 2

S. No	Name of the Participant	Designation	Session-1	Session-2
1.	Dr. K. Ramani	Professor & Head of IT, SVEC, Tirupati		
2.	Dr. L. Venkateswara Reddy	Professor of IT, SVEC, Tirupati		
3.	Mr. P. Srinivasa Reddi	Assoc. Professor of IT, SVEC, Tirupati		
4.	Mr. A. Srinivasulu	Assoc. Professor of IT, SVEC, Tirupati		
5.	Dr. K. Khaja Baseer	Assoc. Professor of IT, SVEC, Tirupati		
6.	Dr. Vellingiri J	Assoc. Professor of IT, SVEC, Tirupati		
7.	Dr. O. Obulesu	Asst. Professor of IT, SVEC, Tirupati		
8.	Mr. V. Lokanadham Naidu	Asst. Professor (SL) of IT, SVEC, Tirupati		
9.	Mr. Shaik Munwar	Asst. Professor of IT, SVEC, Tirupati		
10.	Ms. V. Jyothsna	Asst. Professor of IT, SVEC, Tirupati		
11.	Mr. P. Bhasha	Asst. Professor of IT, SVEC, Tirupati		
12.	Ms. E. Sandhya	Asst. Professor of IT, SVEC, Tirupati		
13.	Mr. G. Uma Mahesh	Asst. Professor of IT, SVEC, Tirupati		
14.	Mr. G. M. Chanakya	Asst. Professor of IT, SVEC, Tirupati		
15.	Ms. K. Nirmala	Asst. Professor of IT, SVEC, Tirupati		
16.	Ms. C. Silpa	Asst. Professor of IT, SVEC, Tirupati		
17.	Mr. M. Thrilok Reddy	Asst. Professor of IT, SVEC, Tirupati		
18.	Ms. K. Lakshmi Prasanna	Asst. Professor of IT, SVEC, Tirupati		
19.	Mr. C. Kishore	Asst. Professor of IT, SVEC, Tirupati		
20.	Mr. B. Bhaskar Kumar Rao	Asst. Professor of IT, SVEC, Tirupati	B. Bhas	B. Bhas
21.	Mr. Mahendra M	Asst. Professor of IT, SVEC, Tirupati		
22.	Mr. A. Ramprakash Reddy	Asst. Professor of IT, SVEC, Tirupati		
23.	Mr. V. S. V. S. S. S. M. Chakradhar	Asst. Professor of IT, SVEC, Tirupati		
24.	Ms. Ch. Prathima	Asst. Professor of IT, SVEC, Tirupati		
25.	Mr. Ch. Sreenu Babu	Asst. Professor of IT, SVEC, Tirupati		
26.	Mr. L. Gopikrishna	Asst. Professor of IT, SVEC, Tirupati		
27.	Mr. G. Venkatesh	Asst. Professor, Chadalawada Ramanamma Engineering College, Tirupati		
28.	D. Praveen Kumar	Asst. Professor of EEE, SVEC		
29.	M. L. Haritha	Research Scholar, SVEC		

S. No	Name of the Participant	Designation	Session-1	Session-2
30.	*(illegible)*	Assistant Professor, *(illegible)* Arts and Science College, *(illegible)*	*(signature)*	
31.	*(illegible)*	Assistant Professor, *(illegible)*	*(signature)*	*(signature)*
32.	*(illegible)*	*(illegible)*	*(signature)*	*(signature)*
33.	*(illegible)*	Dept of *(illegible)*, SVEC	*(signature)*	*(signature)*
34.	*(illegible)*	Asst. Prof, *(illegible)*, SVEC	*(signature)*	*(signature)*
35.	*(illegible)*	*(illegible)*	*(signature)*	*(signature)*
36.	*(illegible)*	Asst Prof, *(illegible)* SVEC	*(signature)*	*(signature)*
37.	A. SUNEPA	Asst Prof, SVEC *(illegible)*	*(signature)*	*(signature)*
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SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati – 517 102

Department of Information Technology

A Two Day Faculty Development Programme

on

"MoodleCloud: An ICT for Effective Educational Communication"

01-02 January, 2018

Faculty Development Programme (FDP) was organized by Department of Information Technology, Sree Vidyanikethan Engineering College, A. Rangampet. The FDP was organized for two days i.e., January 01-02, 2018. About 35 faculty members are actively participated and gained useful information from all the sessions.

Day 1: 01-01-2018 (Monday)

The Faculty Development Programme was inaugurated by **Dr. K.Ramani,** HOD of IT & Convener of the Programme, at 10:30 A.M.

Session 1:

Dr. K. K. Baseer, Associate Professor, Dept. of IT, SVEC, from 10.30 AM – 12.30 AM, delivered on overview of Open Educational Resources (OER), Flipped classroom/ Blended Learning, MOOCs.

Session 2:

Ms. C. Silpa, Assistant Professor, Dept. of IT, SVEC, has taken this session from 02.30 PM – 04.30 PM, delivered a lecture on Video/Audio content creation using Open source tools (PresentationTube, TipCam, Screen-O-Matic).

Day 2: 24-12-2013 (Tuesday)

Session 1:

Dr. K. K. Baseer, Associate Professor, Dept. of IT, SVEC, from 10.30 AM – 12.30 AM, delivered on ICT for Effective Educational Communication: Creation of MoodleCloud website, Creation of Online course, Enrollment, Assignments.

Session 2:

Dr. K. K. Baseer, Associate Professor, Dept. of IT, SVEC, from 10.30 AM – 12.30 AM, delivered on ICT for Effective Educational Communication: Online quiz, Online feedback, Live sessions.

Fig. 1: **Dr. K. Ramani**, Professor & Head of IT, SVEC inaugurating the function

Fig. 2: **Dr. K. K. Baseer**, Associate Professor, Dept. of IT, SVEC Creation of MoodleCloud website
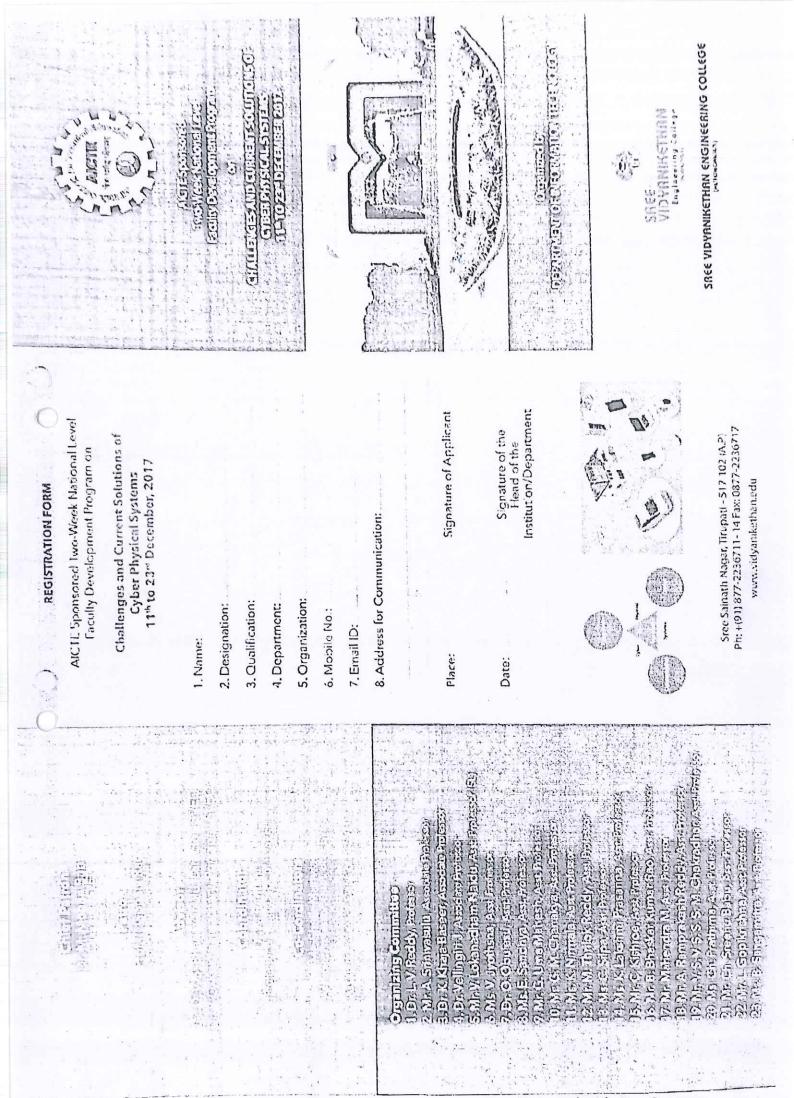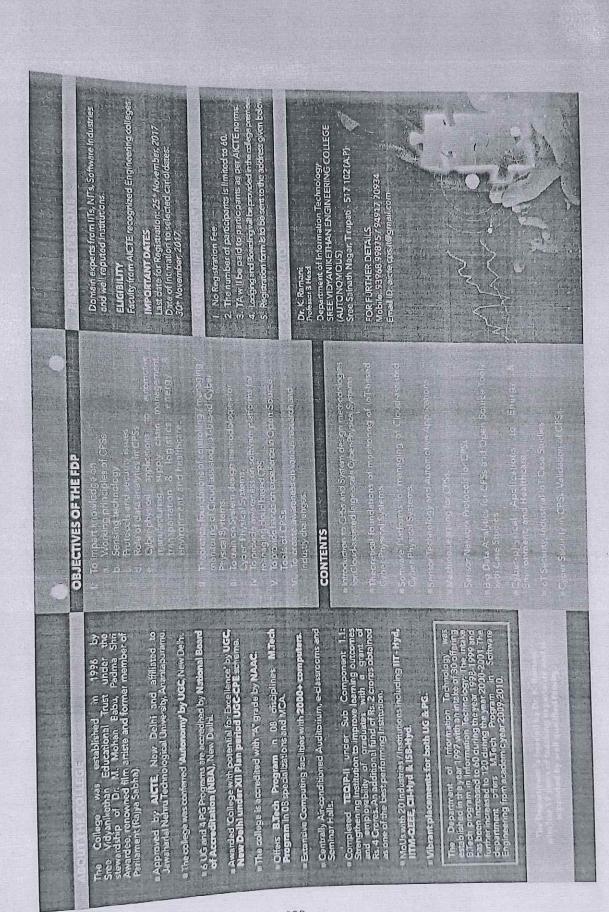
Fig. 3: **Ms. C. Silpa,** Assistant Professor, Dept. of IT, SVEC, Explaining about Open Source Tools for Video creations.

Fig. 4: **Dr Dr. K. K. Baseer,** Associate Professor, Dept. of IT, SVEC demonstrating MoodleCloud.

REGISTRATION FORM

AICTE Sponsored Two-Week National Level Faculty Development Program on

Challenges and Current Solutions of Cyber Physical Systems
11th to 23rd December, 2017

1. Name:

2. Designation:

3. Qualification:

4. Department:

5. Organization:

6. Mobile No.:

7. Email ID:

8. Address for Communication:

Signature of Applicant

Place:

Date:

Signature of the
Head of the
Institution/Department

AICTE sponsored
Two-Week National Level
Faculty Development Program
on
CHALLENGES AND CURRENT SOLUTIONS OF
CYBER PHYSICAL SYSTEMS
11th to 23rd DECEMBER 2017

Organized by
DEPARTMENT OF CSE & DIVISION OF IT (SVEC TIRUPATI)

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)

Sree Sainath Nagar, Tirupati - 517 102 (A.P)
Ph: +(91) 877-2236711- 14 Fax: 0877-2236717
www.vidyanikethan.edu

Organizing Committee

1. Dr. L V Reddy, Professor
2. Mr. A Srinivasulu, Associate Professor
3. Dr. R Kinga Basha, Associate Professor
4. Dr. Vellingiri J, Associate Professor
5. Mr. V Lokanadham Naidu, Asst Professor
6. Ms. V Jyothsna, Asst Professor
7. Dr. C Chandu, Asst Professor
8. Mr. E Sandhya, Asst Professor
9. Mr. L Uma Dileesh, Asst Professor
10. Mr. G M Charan Jay, Asst Professor
11. Mr. K N mitra, Asst Professor
12. Mr. M Thirib Reddy, Asst Professor
13. Mr. K Sripal, Asst Professor
14. Mr. K Lakshmi Prasanna, Asst Professor
15. Mr. G Kishore, Asst Professor
16. Dr. B Bhaskar Kumar Rao, Asst Professor
17. Mr. Mahendar M, Asst Professor
18. Mr. A Ramprasad Reddy, Asst Professor
19. Mr. Y S V S S M Chakradhar, Asst Professor
20. Mr. G Harendra, Asst Professor
21. Mr. Ch Sridhar Babu, Asst Professor
22. Mr. L Gopikrishna, Asst Professor
23. Mr. B Subramanyam, Asst Professor

ABOUT THE COLLEGE

The College was established in 1996 by Sree Vidyaniketan Educational Trust under the stewardship of Dr. M. Mohan Babu, Padma Shri Awardee, renowned film artiste and former member of Parliament (Rajya Sabha).

- Approved by **AICTE**, New Delhi and affiliated to Jawaharlal Nehru Technological University, Anantapuramu.
- The college was conferred **'Autonomy' by UGC**, New Delhi.
- 6 UG and 4 PG Programs are accredited by **National Board of Accreditation (NBA)**, New Delhi.
- Awarded 'College with potential for Excellence' by **UGC, New Delhi under XII Plan period UGC-CPE** scheme.
- The college is accredited with 'A' grade by NAAC.
- Offers **B.Tech** Program in 08 disciplines, **M.Tech** Program in 08 specializations and MCA.
- Extensive Computing facilities with **2000+ computers**.
- Centrally Airconditioned Auditorium, e-classrooms and Seminar Halls.
- Completed **TEQIP-II** under Sub Component 1.1: Strengthening Institution to improve learning outcomes and employability of graduates with a grant of Rs.4 Crores. An additional fund of Rs. 2 crores obtained as one of the best performing Institution.
- MoUs with 20 industries /institutions including IIT- Hyd., IIM-QEEE, CII-Hyd & ISB-Hyd.
- **Vibrant placements for both UG & PG.**

The Department of Information Technology was established in the year 1997 with an intake of 30 offering B.Tech program in Information Technology. The intake has been increased to 60 during the year 1998-1999 and further increased to 120 during the year 2000-2001. The department offers M.Tech Program in Software Engineering from academic year 2009-2010.

OBJECTIVES OF THE FDP

1. To impart knowledge on
   a. Working principles of CPSs
   b. Sensing technology
   c. Protocols and security issues
   d. Role of data analytics in CPSs
2. Cyber-physical applications to automotive manufacturing, supply chain management, transportation & logistics, energy & environment, and healthcare.
3. To create the foundations of controlling, managing, monitoring of Cloud-assisted IoT-based Cyber Physical Systems.
4. To train on System design methodologies of Cyber Physical Systems.
5. To provide hands on software platforms for managing cloud-based CPS.
6. To provide hands on experience in Open Source Tools of CPSs.
7. To create awareness on various research and industry challenges.

CONTENTS

- Introduction to CPSs and System design methodologies for Cloud-assisted large-scale Cyber-Physical Systems
- Theoretical foundations of monitoring of IoT-based Cyber-Physical Systems
- Software Platforms for managing of Cloud-assisted Cyber Physical Systems.
- Sensor Technology and Automotive Applications
- Machine learning for CPSs
- Sensor Network Protocols for CPSs
- Big Data Analytics for CPSs and Open Source Tools with Case Studies
- Cyber-physical Applications to Energy & Environment and Healthcare
- IoT Security, Industrial IoT Case Studies
- Cyber Security in CPSs, Validation of CPSs

Domain experts from IITs, NITs, Software industries and well reputed Institutions.

ELIGIBILITY
Faculty from AICTE recognized Engineering colleges.

IMPORTANT DATES
Last date for Registration: 25th November, 2017
Date of Intimation to selected candidates:
30th November, 2017

1. No Registration Fee.
2. The number of participants is limited to 60.
3. TA will be paid to participants as per AICTE norms.
4. Lodging and Boarding will be provided in the college premises.
5. Registration form is to be sent to the address given below.

Dr. K. Ramani
Professor & Head
Department of Information Technology
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati - 517 102(A.P)

FOR FURTHER DETAILS
Mobile: 93968 99875 / 94917 70934
Email ID: aicte.cpssit@gmail.com

238

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(Autonomous)

Sree Sainath Nagar, Tirupati-517102, A.P., India,

Department of Information Technology

AICTE Sponsored Two- Week National Level Faculty Development Programme
on
Challenges and Current Solutions of Cyber Physical Systems(CCSCPS)
11th to 23rd December, 2017
LIST OF PARTICIPANTS

S. No	Name of the Participant	Designation & Place
1.	Dr. K. Ramani	Professor & Head of IT, SVEC, Tirupati
2.	Dr. L. Venkateswara Reddy	Professor of IT, SVEC, Tirupati
3.	Mr. A. Srinivasulu	Assoc. Professor of IT, SVEC, Tirupati
4.	Dr. K. Khaja Baseer	Assoc. Professor of IT, SVEC, Tirupati
5.	Dr. Vellingiri J	Assoc. Professor of IT, SVEC, Tirupati
6.	Mr. V. Lokanadham Naidu	Asst. Professor (SL) of IT, SVEC, Tirupati
7.	Mr. Shaik Munwar	Asst. Professor of IT, SVEC, Tirupati
8.	Ms. V. Jyothsna	Asst. Professor of IT, SVEC, Tirupati
9.	Mr. P. Bhasha	Asst. Professor of IT, SVEC, Tirupati
10.	Dr. O. Obulesu	Asst. Professor of IT, SVEC, Tirupati
11.	Ms. E. Sandhya	Asst. Professor of IT, SVEC, Tirupati
12.	Mr. G. Uma Mahesh	Asst. Professor of IT, SVEC, Tirupati
13.	Mr. G. M. Chanakya	Asst. Professor of IT, SVEC, Tirupati
14.	Ms. K. Nirmala	Asst. Professor of IT, SVEC, Tirupati
15.	Ms. C. Silpa	Asst. Professor of IT, SVEC, Tirupati
16.	Mr. M. Thrilok Reddy	Asst. Professor of IT, SVEC, Tirupati
17.	Ms. K. Lakshmi Prasanna	Asst. Professor of IT, SVEC, Tirupati
18.	Mr. C. Kishore	Asst. Professor of IT, SVEC, Tirupati
19.	Mr. B. Bhaskar Kumar Rao	Asst. Professor of IT, SVEC, Tirupati
20.	Mr. A. Ramprakash Reddy	Asst. Professor of IT, SVEC, Tirupati
21.	Mr. V. S. V. S. S. S. M. Chakradhar	Asst. Professor of IT, SVEC, Tirupati
22.	Ms. Ch. Prathima	Asst. Professor of IT, SVEC, Tirupati
23.	Mr. Ch. Sreenu Babu	Asst. Professor of IT, SVEC, Tirupati

24.	Mr. L. Gopikrishna	Asst. Professor of IT, SVEC, Tirupati
25.	Ms. B. Sangamithra	Asst. Professor of IT, SVEC, Tirupati
26.	Dr. N. M. G. Kumar	Professor of EEE, SVEC, Tirupati
27.	Ms. Sreelakshmi Sanka	Research Scholar of EEE, SVEC, Tirupati
28.	Mr. M. Manohara	Assoc. Professor of EEE, SVEC, Tirupati
29.	Dr. S. Farook	Assoc. Professor of EEE, SVEC, Tirupati
30.	Dr. M. S. Sujatha	Professor of EEE, SVEC, Tirupati
31.	Mr. T. M. Jayakrishna	Asst. Professor of CSE, SVEC, Tirupati
32.	Mr. K. Munivara Prasad	Assistant Professor(SL) of CSE, SVEC, Tirupati
33.	Mr. K. Balaji	Asst. Professor of CSE, SVEC, Tirupati
34.	Mr. K. Jeevan Pradeep	Asst. Professor of CSE, SVEC, Tirupati
35.	Mr. D. Ganesh	Asst. Professor of CSE, SVEC, Tirupati
36.	Ms. M. L. Haritha	Research Scholar, SVEC, Triuapti
37.	Dr. C. Madana Kumar Reddy	Assoc. Professor & Head of MCA, AITS, Rajampet
38.	Mr. G. Mukunda Rao	Asst. Professor of CSE, MRRITS Engineering College, Udayagiri
39.	Mr. P. Nagendra	Asst. Professor of CSE, NBKR IST, Nellore
40.	Mr. T. N. Siva Kumar	Asst. Professor of CSE, NBKR IST, Nellore
41.	Mr. S. Suresh Babu	Asst. Professor of CSE, NBKR IST, Nellore
42.	Mr. A. Lakshmi Narayana	Asst. Professor of CSE, SKIT, Srikalahasti
43.	Mr. V. Ashok Kumar	Asst. Professor of CSE, SKIT, Srikalahasti
44.	Mr. P. Chandakanth	Research Scholar of CSE, PEC, Pondicherry
45.	Mr. Sivadi Balakrishna	Research Scholar of CSE, PEC, Pondicherry
46.	Mr. P. Sivaraman	Assoc. Professor of CSE, SVCET, Chittoor
47.	Ms. G. B. Hima Bindu	Asst. Professor of IT, SVCET, Chittoor
48.	Dr. G. Sasikumar	Professor of CSSE, SVEC, Tirupati
49.	Dr. D. Leela Rani	Professor of ECE, SVEC, Tirupati
50.	Dr. N. Padmaja	Professor of ECE, SVEC, Tirupati
51.	Dr. K. Suneeetha	Professor& Head of MCA, SVEC, Tirupati
52.	Mr. Thanweer Basha	Asst. Professor of MCA, SVIM, Tirupati
53.	Dr. D. Nagaraju	Assoc. Professor of CSE, SVCET, Chittoor

209

54.	Dr. T. Sunil Kumar Reddy	Professor of CSE, SVCET, Chittoor
55.	Mr. V. Munraju Naidu	Assoc. Professor of CSE, NEC, Nellore
56.	Ms. D. Sreelakshmi	Assoc. Professor of ECE, NEC, Nellore
57.	Dr. M. Madhu Bala	Professor of CSE, IARE, Dundigal, Hyderabad
58.	Ms. B. Padmaja	Assoc. Professor of CSE, IARE, Dundigal, Hyderabad
59.	Mr. B. Kishore	Asst. Professor of CSE,MIST, Vyasapuri, Bandlaguda, Hyderabad
60.	Mr. A. Nandagopal Reddy	Assoc. Professor of IT, MIST, Hyderabad
61.	Dr. SK. Altaf Hussain Basha	Professor & Head of MCA, GRIET, Hyderabad
62.	Dr. Chukka Santhaiah	Professor of CSE, BSNRMCET, Kurnool
63.	Mr. S. V. Ramanaiah	Assoc. Professor of CSE,CMREC, Hyderabad
64.	Mr. Narendra M	Assoc. Professor of CSE,CMREC, Hyderabad
65.	Mr. A. Shiva Kumar	Asst. Professor of CSE, Mahaveer Institute of Science and Technology, Hyderabad
66.	Ms. Pushpalatha S Nikkam	Asst. Professor of ISE, SDM College of Engineering and Technology, Dharwad, Karnataka
67.	Ms. Leena I Sakri	Asst. Professor of ISE, SDM College of Engineering and Technology, Dharwad, Karnataka
68.	Mr. A. Tatha Babu	Research Scholar, JNTUA
69.	Mr. A. Chandra	Assistant Professor of CSSE, SVEC, Tirupati
70.	Mr. Ismail M	Assistant Professor of CSSE, SVEC, Tirupati
71.	Mr. B. Rakesh	Assistant Professor of CSSE, SVEC, Tirupati
72.	Mr. P. Lakshmi Sagar	Assistant Professor of CSSE, SVEC, Tirupati
73.	Mr. Tharakeswara Raju B	Assistant Professor of CSSE, SVEC, Tirupati
74.	Mr. S. Shiva Prakash	Assistant Professor of CSSE, SVEC, Tirupati
75.	Mr. T. Ravikumar Naidu	Assistant Professor of ECE, SVEC, Tirupati
76.	Mr. Gowtham Prasad T V S	Assistant Professor(SL) of ECE, SVEC, Tirupati
77.	Mr. G. Hemachandra	Assistant Professor of ECE, SVEC, Tirupati
78.	Dr. K. Reddy Madhavi	Associate Professor of CSE, SVEC, Tirupati
79.	Ms. C. Sushama	Assistant Professor of CSSE, SVEC, Tirupati
80.	Ms. K. Lalitha	Assistant Professor (SL) of CSSE, SVEC, Tirupati

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
Sree Sainath Nagar, Tirupati-517 102, A.P., India.

Department of Informational Technology

AICTE Sponsored Two- Week National Level Faculty Development Programme

on

Challenges and Current Solutions of Cyber Physical Systems (CCSCPS)
11th to 23rd December, 2017

A Two Week AICTE sponsored national level faculty development program(FDP) on **Challenges and Current Solutions of Cyber Physical Systems** was organized by the Department of Information Technology from 11th December to 23rd December, 2017. All the sessions were handled by eminent speakers from academia and industry. The FDP programme received an overwhelming response with 70 participants from various states like Andhra Pradesh, Telangana, and Karnataka. The FDP aimed to provide opportunities to faculty members and research scholars to enrich their teaching skill and research in the field of Cyber Physical Sytems. The programme was also planned to develop skills on simulation with advanced software in the field of Cyber Physical Systems for inculcating learning values in participants.

The two week AICTE Sponsored national level faculty development program was inaugurated by the following eminent personalities on 11th December 2017.

1. Prof. T. Gopala Rao, Special Officer, Sree Vidyanikethan Educational Trust.
2. Dr. I. Sudarsan kumar, Chief Operating Officer, Sree Vidyanikethan Educational Trust.
3. Dr. P.C. Krishnamachary, Principal, Sree Vidynaikethan Engineeing College.
4. Prof. C. S. R. Prabhu, Director, KMIT, Hyderabad.
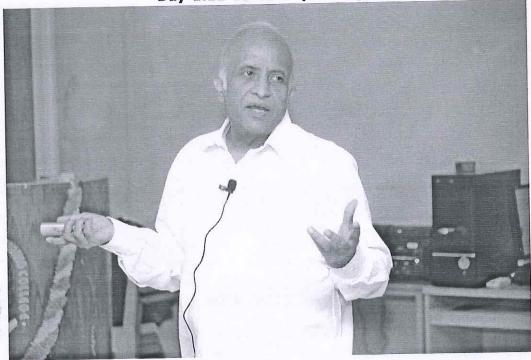
Dr. K.Ramani, Coordinator of FDP welcomed all the dignitaries and participants. In the welcome speech, Prof T. Gopala Rao, Special Officer highlighted the objectives of the faculty development program and shared his views with the faculty participants. He said that, if members of faculty want to develop themselves and their students, then attending such faculty development programmes would enhance their skills of teaching concepts practically. Dr. I. Sudarsan Kumar, Chief Operating Officer stressed on the current trends in technical education and need of adaptability with the changing global

1

tends across the world. Mr. P.C Krishnamachary, Principal of Sree Vidyanikethan Engineering College appreciated the department of IT for organizing such a program and welcomed the enthusiastic participants. The chief guest of the inaugural program Prof. C. S. R. Prabhu, Director of KMIT, Hyderabad explained the outcomes from mismatched technical education and industry demand with the help of various examples globally. He also emphasized the benefits of such kind of ingenious activity.
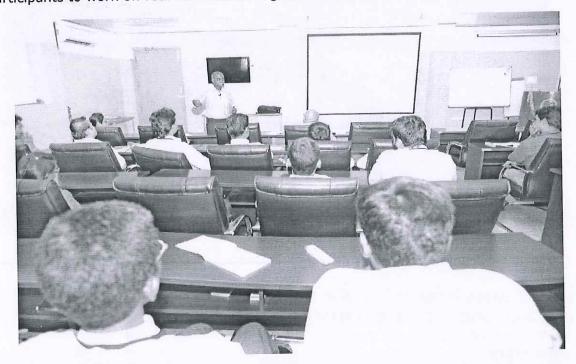
Dignitaries on the Dias during Inauguration

Prof. C. S. R Prabhu Director, KMIT, Hyderabad delivered a lecture on 'Introduction to Cyber Physical Systems and System Design Methodologies for Cloud-assisted Large-Scale Cyber Physical Systems' and 'Fog Computing in Internet of Things'. He inspired the participants to work on real time and also gave some guidelines for it.

Dr. S. Selvakumar, Professor, NIT, Trichy, delivered a lecture on 'Security Challenges and Solutions in Cyber Physical Systems'.

3

Dr. K. Kanchana, Associate Professor, SSN College of Engineering, Chennai, delivered a lecture on 'Cyber Physical Systems and IoT for Smart Governance'.

Dr. K. Ramani, Professor & Head of IT department, SVEC, Tirupati, delivered a session on 'Case studies of Cyber Physical Systems'. The interactive session was very informative. Participants were enlightened with the most widely used advance tools and technologies.
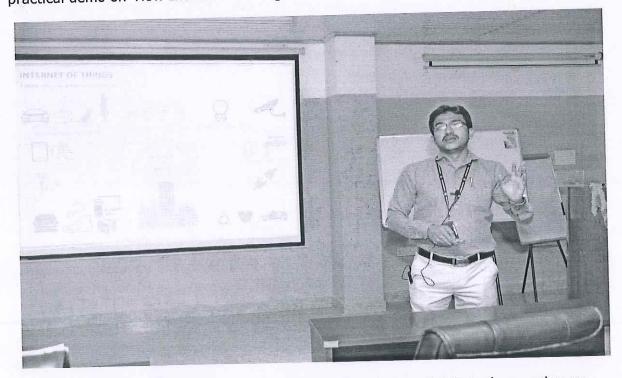
Dr. Krishna moorthy, Professor, VIT University, Vellore, delivered lecture on 'Theoretical Foundations of Monitoring of IoT-based Cyber Physical Systems' and did practical demo on 'How Internet of Things Works'.

Dr. K. Khaja Baseer, Associate Professor, Department of IT, SVEC, took a session on 'Industrial Internet of Things' and 'IoT based Industrial Applications'.

Dr. V. Saritha, Professor, Department of CSE, SVEC, Tirupati, handled a session on 'Understanding Principles of Cyber Physical Systems'.

Dr. N. M. G. Kumar, Professor of EEE Department, SVEC, Tirupati, delivered a lecture on 'Cyber Challenges in Smart Energy Meters'.

Mr. A. Srinivasulu, Associate Professor of IT Department, SVEC, Tirupati handled a session on 'Big Data Applications for Cyber Physical Systems'.

Dr. S. Magesh, Professor, Saveetha University, Chennai, delivered a session on 'Cyber Physical Systems – Scope of Research'.

Dr. K. C. Vara Prasad, Professor of ME Department, SVEC, Tirupati, delivered a lecture on 'Industry 4.0 and Software Defined Industrial Systems-Protocols'.
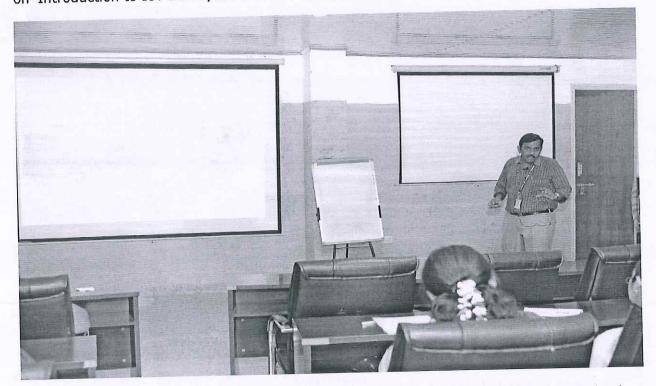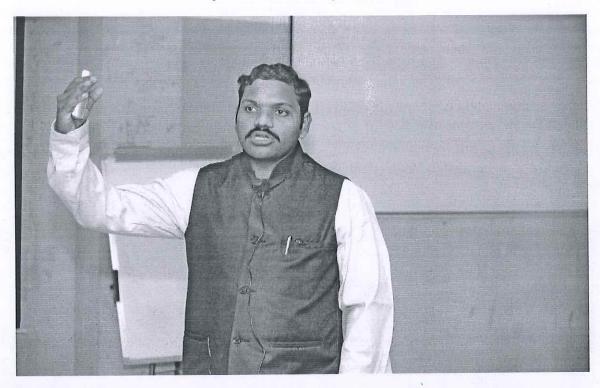
Mr. T. Sivarama Krishna, Assistant Professor, JNTUK, Vizayanagaram, delivered a session on 'Introduction to IoT Eco System and its Components'.

Dr. K. C. Vara Prasad, Professor of ME, SVEC, Tirupati, handled a session on 'Software Defined Industrial Systems – Automation and Security for IIoT'.

Mr. T. Sivarama Krishna, Assistant Professor, JNTUK, Vijayanagaram delivered a session on 'IoT Security – Challenges and Research Ideas, Working with Raspberry Pi-3 (Hands-on Session)'.

Dr. K. Sarulatha, Professor of CSE, Pondicherry Engineering College, Puduchery, delivered a lecture on 'Cyber Physical systems using Machine Learning Technologies.'
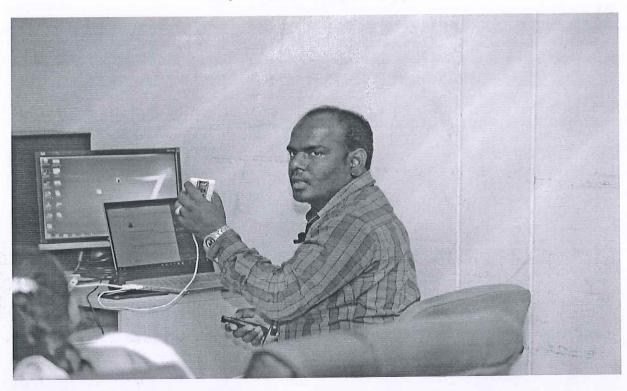
Mr. G Hemanth Kumar, Assistant Professor of EIE, SVEC, Tirupati, handled a session on 'Sensor Technology and Automotive Applications'.

Mr. G Hemanth Kumar, Assistant Professor of EIE, SVEC, Tirupati, delivered a lecture on 'Device to Device Communication in IoT and Protocols in IoT'. He also demonstrated two IoT based Real Time projects.

Dr. O. Obulesu, Associate Professor of IT Department, SVEC, Tirupati delivered a session on 'Big Data Applications for Cyber Physical Systems'.
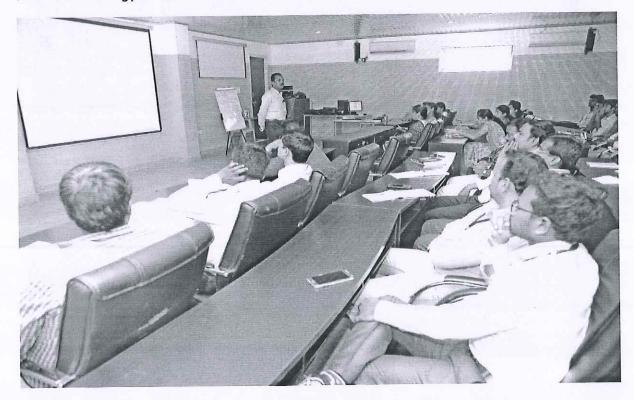
Dr. M. Rajasekhara Babu, Associate Professor, VIT University, Vellore, delivered a lecture on 'Energy Aware Internet of Things'.

Dr. L. D. Dhinesh Babu, Associate Professor, VIT University, Vellore. delivered a session on 'Big Data Analytics for Cyber Physical Systems' and 'Open Source Tools with Case Studies'.

Dr. V. Madhu Viswanatham, Associate Professor, VIT University, Vellore, handled a session on 'IoT Security and Cyber Security – Block Chain'.

Dr. Narendra Kumar Rao, Professor and Head of CSSE, SVEC, Tirupati delivered a lecture on 'Software Platforms for Cyber Physical Systems'.
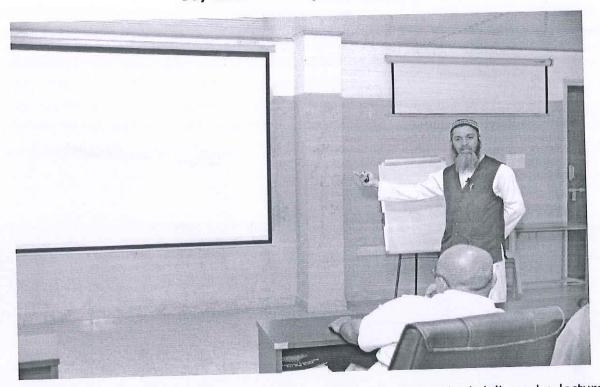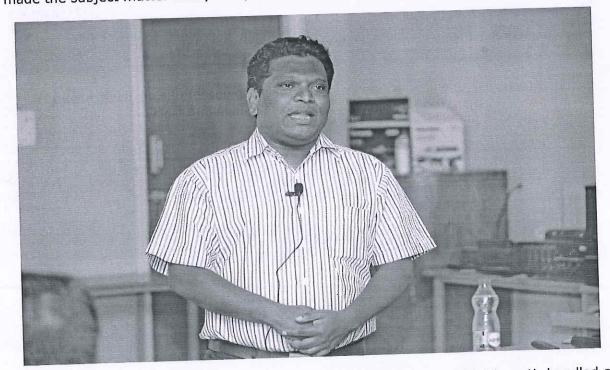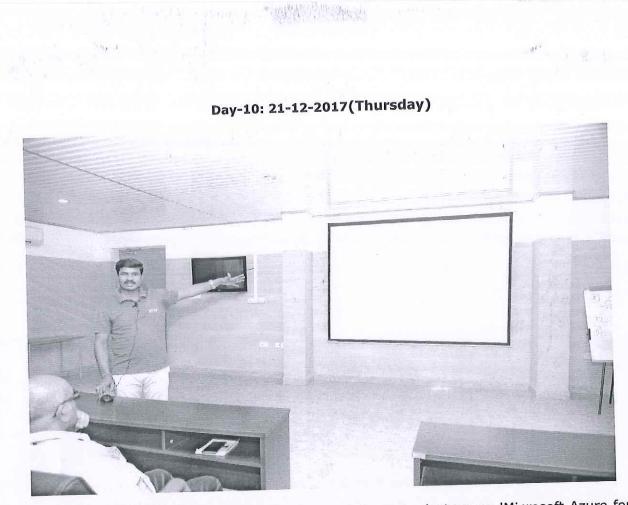
Dr. Mohammad Zafar Ali Khan, Professor of ECE, IIT, Hyderabad delivered a lecture on 'Communication Challenges in CPS'. He shared his knowledge with participant using various techniques. These techniques created interest among the participants and also made the subject matter easily comprehensible.
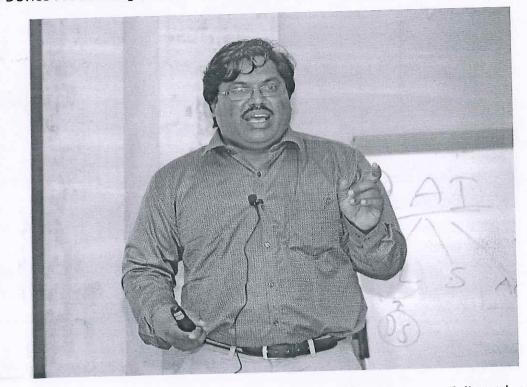

Dr. Venkata Krishna, Professor of School of Sciences from SPMVV, Tirupati, handled a session on 'Cyber-Physical Applications to Healthcare, Big Data Analytics for CPS'.

Mr. Srinivasa Kongara, Infosys, Bangalore, delivered a lecture on 'Microsoft Azure for IoT, IoT Hub Device Provisioning Service'.

Dr. Noor Mohammad, Assistant Professor of CSE, IIIT, Kanchipuram, delivered a lecture on 'Machine Learning Experimentation, Practical Session'.
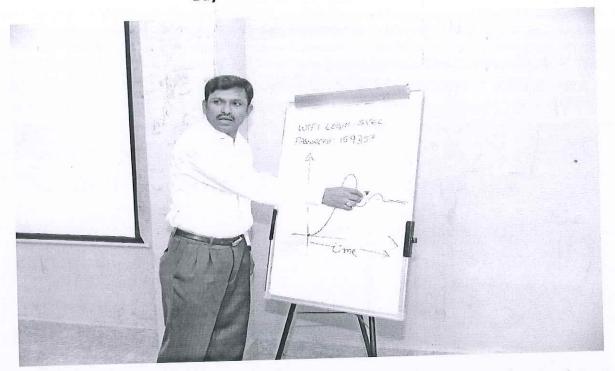
Mr. Vegesna Siva Mani Srinivasa Varma, Dept. of CSE, IIIT, Kanchipuram delivered a lecture on 'Security Threats, Vulnerability and Physical Realization of IDs Systems'.
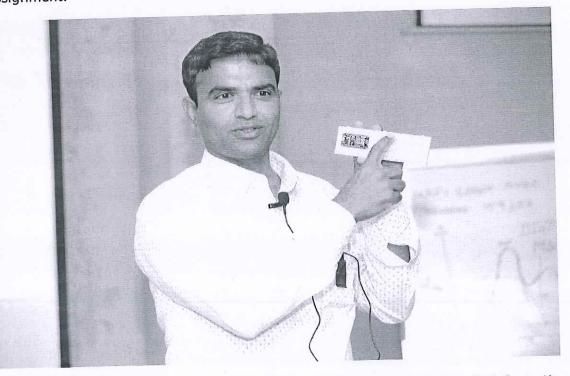

Dr. Noor Mohammad, Assistant Professor of CSE, IIIT, Kanchipuram delivered a lecture on 'Cyber-Physical Applications to Energy & Environment.

Dr. Srinivasa Reddy Professor of CSE, JNTUH, Hyderabad, delivered a session on 'Sensing Technology with Cloud and Mobile, Cyber Security Challenges'. In this session he gave assignment to all members of faculty. All members of faculty responded well to this assignment.

Mr.Rajesh Ekkaladevi, Asst. Professor, Centre for Cyber Forensics & Information Security at JNTUH, Hyderabad, delivered a lecture on 'Cyber Security in CPS and Validation in Cyber Physical Systems'. He also explained the simulation of IoT applications with various IoT kits.

19

Valedictory Function

The honorable personalities present in the velidictory of FDP were Dr. Srinivasa Reddy Professor of CSE, JNTUH, Rajesh Ekkaladevi, Cyber Forensics & Information Security at JNTUH, Dr. D.V.S Bhagavanulu, Director of SVEC.

The Coordinator of the FDP Dr. K. Ramani concluded the program with closing remarks and summarized the program. All the dignitaries present on the occasion appreciated the department for organizing the FDP. Certificates and course material were distributed to all participants. Finally the participants were asked to come on the dias and share their experience of the whole program. The program was ended on a happy note.

Dr. K.Ramani, Coordinator, delievering the closing remarks.

Mr. S.Suresh Babu participant from NBKR College, AP expressing his gratitude to the organizers for providing content rich sessions.

Mr. P.Sivaraman participant from SVECT, Chittoor, AP, apprecing the organizers for conducting such programs.

Dr.N.Padmaja, participant from SVEC during feedback session.

The following feedback was received from the participants:

1. 95% of the participants felt that delivery and presentation of the resource persons were good.
2. 90% of the participants were of the opinion that the FDP brought practical knowledge of the subject.
3. 90% of the participants felt that the FDP was coordinated very well.
4. Participants felt that such FDP should be organized for other subjects in the field of Computer Science and Information Technology.
5. More than 75% participants rated the FDP Excellent and 25% rated it Very good.
6. Someone mentioned it as a motivation for the development of CPS based projects.
7. Participants felt that the boarding and lodging facilities were highly satisfactory.
8. Some participants felt that more activity based sessions could be included.

9. One participant expressed that a few more case studies should have been included.

Certificate Distribution to Participants.

Outcomes:

All the sessions were very informative. This FDP helped in equipping the participants with knowledge and skills in Cyber Physical Systems. The discussed areas are of great benefit for the participants as the topics match with the current working domain. Participants were enlightened with the most widely used advanced technologies in this domain. This in turn will help in research activity. The content knowledge of the given participants in

the respective domains is updated. The participants were also given some exercises regarding the lecture of program. Last but not the least when the house was open for questions the participants were keen to ask and with the same level of enthusiasm they were justifiably answered by the expert speakers. This FDP will not only helped the participants in their curriculum and but also helped them to upgrade their knowledge and skills in the area of Cyber Physical Systems to motivate and guide students for development of CPS based projects.

Group Photo

Participants of CCSCPS

We are thankful to all participants, speakers, who have attended this FDP enthusiastically without them our FDP couldn't be successful. We are thankful to AICTE for sanctioning the amount to conduct such programme. We extend our thanks to management, teaching and non teaching staff who helped us to make this event a grand success.

College Profile:

- The College was established in 1996 by SreeVidyanikethan Educational Trust under the stewardship of Dr. M. Mohan Babu, renowned film artiste and former member (RajyaSabha).
- NAAC Accredited with 'A' grade.
- Approved by AICTE, New Delhi and affiliated to Jawaharlal Nehru Technological University, Anantapuramu. Seven B.Tech programs are accredited by NBA, New Delhi.
- Offers B.Tech Program in 8 disciplines, M. Tech Program in 7 specializations.
- Excellent Computing facilities with 1500+ computers.
- Central Auditorium, E-Class Room and state of the Art Seminar Halls.
- Separate hostels for boys and girls.
- Internet facility with 110 MBPS leased line.
- Offers Ph.D Programs in EEE and ECE.
- Rated "AAA" by "Careers 360" a Popular English Magazine.
- Established National MEMS Design Centre, Atmospheric Research Lab.

Location:

The college is located 15 km from the temple town of Tirupati on Tirupati-Madanapalle National Highway No.205.

Courses offered:

The college offers B.Tech programs in CSE (240), IT (120), EEE (240), ECE (240), EIE (120), CSSE (120), Civil (120) and Mechanical (180). The college also offers M.Tech in Computer Science, Computer Networks & Information Security, Software Engineering, Electrical Power Systems, Digital Electronics . Communication Systems, Communication Systems, and VLSI.

About the Department:

The Department of Mechanical Engineering in SreeVidyanikethan Engineering College was established in 2011 with an intake of 60. In the year 2012-13 intake has been increased to 120 students besides starting a diploma course with an intake of 60 students. In the year 2013-2014 intake has been increased to 180 and diploma 120. At present, the Department has 6 Professors, 7 Associate Professors with Ph.D qualification and 30 Assistant Professors with M.Tech qualification. The Department is conducting various knowledge development programs such as symposiums, workshops, technical paper contests at the National level for the benefit of the faculty and students.

About the Programme:

In today's competitive workplace, CAD professionals need every edge they can get. The programme aims at providing the necessary back ground and training in theoretical and practical learning of Solidworks which is a modeling software. Solidworks is a solid modeler, and utilizes a parametric feature-based approach which was initially developed by PTC (Creo/Pro-Engineer) to create models and assemblies. The programme develops the skills in drafting and analysis of engineering drawings. The programme provides the detailed aspects of solid modeling software, design concepts, and sustainable design.

Topics to be covered:

- Basics about sketching and solid modeling
- Assembly of part components using solid works
- Basics in operations in turning and milling using master cam

Resource Persons:

Experts from premier institutes.

Eligibility:

This program is open to the entire faculty and students from AICTE approved Engineering colleges.

Registration Details:

- ❖ No registration fee
- ❖ Registration fee includes course material, certificate, working lunch, tea and snacks.
- ❖ No TA/DA will be paid.
- ❖ Participants can email the Scanned registration form to Email: svecmechanicalworkshop@gmail.com and submit the original while attending the program.
- ❖ Participants are limited to 70. Selection will be based on first come first serve basis
- ❖ Accommodation will be provided on cost basis.

Important Dates:
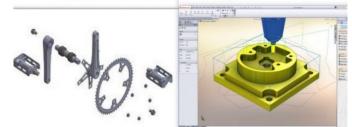
1. Last date for Registration : 21st March 2018
2. Intimation to Participants through email on 22th March 2018

Contact:

Convener:
Mr.A.Venkatesh,
Assistant Professor,
Department of Mechanical Engineering,
Sree Vidyanikethan Engineering College,
Sree Sainath Nagar, A.Rangampet,
Tirupati – 517102 (A.P)
Mobile:+91-8686666082
e-mail: annabathinavenkatesh@gmail.com
For more details visit www.vidyanikethan.edu

Chief Patron

Dr.M. Mohan Babu
Chairman, SVET

Patron

Prof. T.Gopala Rao
Special Officer, SVEC

Advisers

Dr. P. C. Krishnamachary
Principal, SVEC

Dr.D.V.S. Bhagavanulu
Director, SVEC

Dr. K. C. Varaprasad
Head of the Department, ME

Organizing Committee:

Mr.D.Raghurami Reddy, Assistant Professor

Mr.S Lakshminarayana, Assistant Professor

Mr. S Nageswara, Assistant Professor

Ms. P Thejasree, Assistant Professor

Mr. M Gangaraju, Assistant Professor

Mr. N Naresh, Assistant Professor

Mr. D Rakesh, Assistant Professor

Mr.B Chaitanya Krushna, Assistant Professor

Ms. K Lakshmikala, Assistant Professor

Mr. N. Viswanath Reddy, Assistant Professor

Mr.G.P.Anuraag, Assistant Professor

Ms. C Navya, Assistant Professor

Mr. K Lokesh, Assistant Professor

Mr. S Bhaskar, Assistant Professor

Mr. P Naren Chakravarthy, Assistant Professor

Mr. S Nagesh, Assistant Professor

Mr. A Mahanth Kumar, Assistant Professor

Two days Short Term Training Program
on
"Conceptual Design and Innovative Manufacturing using Solid works"

23-24 March, 2018

REGISTRATION FORM

1. Name   : _____

2. Designation : _____

3. Qualification : _____

4. Department : _____

5. Organization : _____

6. Phone No. : _____

7. Email : _____

8. Address for Communication

   _____

   _____

   _____

Date: **Signature of the Applicant**

Place: **Signature of the Sponsoringauthority with seal**

Two days Short Term Training Program
on
"Conceptual Design and Innovative Manufacturing using Solidworks"

23-24 March, 2018

Conveners
Mr A. Venkatesh
Mr. G. Dileep Kumar

Co Conveners
Mr. G. Kuladeep
Mr. G.V.V.S Reddy Prasad

SREE VIDYANIKETHAN

Engineering College (Autonomous)
Accredited by NAAC with 'A' Grade

Organized by
Department of Mechanical Engineering

SREE VIDYANIKETHAN ENGINEERING COLLEGE
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Tirupati – 517102 (A.P) Ph:+91877-2236711(4 Lines)
Fax: +91 0877- 2236717
www.vidyanikethan.edu

Two days Short Term Training program
on
Conceptual Design and Innovative Manufacturing using Solidworks

23-24 March, 2018

S.no	Name	day 1	day1	day 2	day 2
1	Dr. K.C. Varaprasad	_(sign)_	_(sign)_	_(sign)_	_(sign)_
2	Dr. T. Hari Prasad	_(sign)_	_(sign)_	_(sign)_	_(sign)_
3	Dr. A.K. Damodaram	_(sign)_	_(sign)_	_(sign)_	_(sign)_
4	Dr. R. Satya Meher	RSM	RSM	RSM	RSM
5	Dr. B. Sachuthananthan	(Sachuthanan)	(Sachuthanan)	(Sachuthan)	(Sachuthan)
6	Dr. K. Lakshmi Narasimhamu	KLN	KLN	KLN	KLN
7	Dr. N. Manikandan	_(sign)_	_(sign)_	_(sign)_	_(sign)_
8	Dr. J.S. Binoj	JSB	JSB	JSB	JSB
9	Dr. Sadu Venkatesu	SV	SV	SV	SV
10	Dr. S. Ragu Nathan	_(sign)_	_(sign)_	_(sign)_	_(sign)_
11	Dr. N. Vishnu Murthy	_(sign)_	_(sign)_	_(sign)_	_(sign)_
12	Dr. C. Vijaya Kumar	_(sign)_	_(sign)_	_(sign)_	_(sign)_
13	Mr. D. Raghurami Reddy	_(sign)_	_(sign)_	_(sign)_	_(sign)_
14	Mr. R.L. Krupakaran	Krupakar	Krupakar	Krupakar	Krupakar
15	Mr. A. Vidyaranya Sarma	AVS	AVS	AVS	AVS
16	Mr. B. Vishnu Vardhana Naidu	_(sign)_	_(sign)_	_(sign)_	_(sign)_
17	Mr. D. Madhusudan Reddy	_(sign)_	_(sign)_	_(sign)_	_(sign)_
18	Mr. P. Bhanu Prakash	B	B	B	B
19	Mr. G. Kuladeep	Kuladeep	Kuladeep	Kuladeep	
20	Mr. G. Dileep Kumar	Gidk	Gidk	Gidk	Gidk
21	Mr. S. Lakshmi Narayana	_(sign)_	_(sign)_	_(sign)_	_(sign)_
22	Mr. M. Gangaraju	_(sign)_	_(sign)_	_(sign)_	_(sign)_
23	Mr. S. Nageswara	_(sign)_	_(sign)_	_(sign)_	_(sign)_
24	Ms. P. Theja Sree	_(sign)_	_(sign)_	_(sign)_	_(sign)_
25	Mr. N. Naresh	naresh	naresh	naresh	naresh
26	Mr. K. Harshavardhan Reddy	_(sign)_	_(sign)_	_(sign)_	_(sign)_
27	Mr. B. Chaithanya Krushna	CK	CK	CK	CK
28	Ms. C. Navya	C. Navya	C. Navya	C. Navya	C. Navya
29	Ms. K. Lakshmi Kala	_(sign)_	_(sign)_	_(sign)_	_(sign)_
30	Mr. G. Vidyasagar Reddy	_(sign)_	_(sign)_	_(sign)_	_(sign)_
31	Mr. N. Viswanath Reddy	NVR	NVR	NVR	NVR
32	Mr. D. Rakesh	D.R	D.R	D.R	D.R
33	Mr. G.P. Anuraag	A	A	A	A
34	Mr. K. Lokesh	KL	KL	KL	KL
35	Mr. G.V.V.S. Reddy Prasad	S.R.P	S.R.P	S.R.P	S.R.P
36	Mr. A. Venkatesh	AV	AV	AV	AV
37	Mr. A. Mahanth Kumar	Mahanth	mahanth	mahanth	mahanth
38	Mr. S. Nagesh	S.N	S.N	S.N	S.N
39	Mr. S. Bhaskar	Bas	Bas	Bas	Bas
40	Mr. P. Naren Chakravarthy	pnc	pnc	pnc	pnc
41	Mr. G. Ramanjaneyulu	_(sign)_	_(sign)_	_(sign)_	_(sign)_
42	Dr. S. Sree Sabari	Sabari	Sabari	Sabari	Sabari

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

Two days Short Term Training Program
on
Conceptual Design and Innovative Manufacturing Using Solid works
23-24 March, 2018

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 Systemes and is a parametric feature-based approach which was initially developed by PTC (Creo/Pro-Engineer) to create models and assemblies.

Two days short term training program on **"Conceptual Design and Innovative Manufacturing using solid works"** was organized by the Department of Mechanical Engineering during 23-24 March, 2018 to train the students and members of the faculty on the SOLIDORKS software. The goal of this programme was to teach the use of SOLIDWORKS to create, capture and evaluate concept designs prior to physical prototyping and detail design.

CAD/CAM is the backbone of engineering design. Any industrial design, automobile component, or machine part has to be designed using CAD/CAM and has to be analyzed for various aspects like thermal resistance, strength and moduli etc. These simulations can only be done using powerful software, thus highlighting the importance of CAD/CAM.

Mr. Mahender Ganna, Senior Design Engineer and Mr. J. Sharath Chandra, Mechanical Engineer (Design), Shreya Global Technologies, Hyderabad were the resource persons for the program. Both the resources were SOLIDWORKS Certified Professionals by Dassault Systemes and specialists in Design and Sheet metal.

Inaugural Session

During the inaugural session, Dr. K.C.Varaprasad, Professor & Head, Dept. of Mechanical Engineering stressed that practical training is an essential part of studies. The aim of practical training is to develop skills and abilities that support professional studies and prepare for work later on. Everyone should know the latest know-how from each respective field of learning with them. The practical training provides an opportunity to learn important skills which will help in becoming

a professional of the future. CAD/CAM Technology has been used for decades in the manufacturing industries to produce precision tools, parts and automobiles; recently the CAD/CAM Technology and metal-free materials are used in the field of Dentistry to provide patients with milled ceramic crowns, and bridges. Every mechanical engineer need to visualize every aspect of a product. Only after keeping it on paper or computer screen only, one can easily analyze, modify and optimize a design, which by default leads to a smarter design.

Mr. A. Venkatesh convener in his opening remarks mentioned that SOLIDWORKS solutions cover all aspects of the product development process with a seamless, integrated workflow—design, verification, sustainable design, communication and data management. Designers and engineers can span multiple disciplines with ease, shortening the design cycle, increasing productivity and delivering innovative products to market faster. So, this two day short term training programme will be very much useful for the students and faculty.

During the Hands-On sessions, Mr. Mahendra Ganna and Mr. Sharath Chandra, the resource persons guided the participants to enhance the capabilities on SOLIDWORKS 3D Design, SOLIDWORKS Simulation and SOLIDWORKS Composer. SOLIDWORKS software integrates a broad range of mechanical CAD, design validation, product data management, design communication, and CAD productivity tools in a single, affordable, easy to use package.

Mr. Mahendra Ganna delivering the lecture

Mr. Sharath Chandra delivering the lecture

In this program, the resource persons given in detail hands-on training on basic CAD tools, sketches, 3D modeling and feature based modeling. Participants were trained with the most commonly used tools to create some basic part components, to be then used in the assembly environment to create a finished product. Also training was provided on the usage of SOLIDWORKS mechanical design automation software to build parametric models of parts and assemblies, and how to make drawings of those parts and assemblies. The products developed were taken into the drafting environment to produce a detailed production drawing.

The schedule went as follows:

23.03.2018	9:30 AM to 10 AM	Inauguration
	10 AM to 1 PM	Introduction to CAD software, Basics of Sketcher, 2D Sketch (Dimensioning, Constraints, Plane selection, Mirror, Pattern) followed by hands-on practice.
	2 PM to 5 PM	Part Modeling (Transform 2D sketch into 3D Solid) followed by hands-on practice.
24.03.2018	10 AM to 1 PM	Basics of Feature Based Modeling, Feature recognition, Assembly Drawing and commands, Illustration of one simple assembly drawing of machine component with hands-on practice.
	2 PM to 4 PM	Basics of Sheet Metal Drawing/Design approach, Generate 2D sketches from parts and Assembly 3D model, other modeling features of SOLIDWORKS, MASTERCAM
	4 PM to 5 PM	Valedictory Function and Distribution of Certificates

Hands-on Training Sessions

During the valedictory session on 24th March, 2018, Dr. Satya Meher, Professor of Mechanical Engineering suggested students to be specific with the programmes to be participated and be specialized with that only. Multi-tasking may not suit at all the times. He adviced students to be more focused towards their goal.

Mr. Mahendra Ganna and Mr. Sharath Chandra readily accepted to give internships for a maximum of 5 students after undergoing a tool test at their organization. All the students shown interest towards the internships also. They readily accepted to assist our students in their projects and future career aspects.

At the end certificates were distributed to the participants and feedback was collected from them. All the participants felt that the sessions are very beneficial to them and interested to participate in many more events like this.

A total of 66 members participated in the two days short term training programme on "Conceptual Design and Innovative Manufacturing using solid works". The skills learnt will be helpful to explore SOLIDWORKS in the development of innovative products and maximize their productivity and focus on innovation to create products better, faster, and more cost-effectively.

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517 102

SREE VIDYANIKETHAN
Engineering College (Autonomous)

Department of Mechanical Engineering

Two Days Short Term Training Programme

on

CONCEPTUAL DESIGN AND INNOVATIVE MANUFACTURING USING SOLIDWORKS

23-24 March, 2018

Certificate

This certificate is awarded to

Mr. B..Vishnu..Vardhana..Naidu,..Assistant..Professor

of

Sree Vidyanikethan Engineering College, Tirupati

for his/her participation during the conduct of Two Days Short Term Training Programme

on

CONCEPTUAL DESIGN AND INNOVATIVE MANUFACTURING USING SOLIDWORKS

held during 23-24 March, 2018

organized by Department of Mechanical Engineering.

A.Venkatesh
Convener

HOD,ME

P.C.Reddy
Principal

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, Tirupati - 517 102

Department of Mechanical Engineering

Two Days Short Term Training Programme

on

CONCEPTUAL DESIGN AND INNOVATIVE MANUFACTURING USING SOLIDWORKS

23-24 March, 2018

Certificate

This certificate is awarded to

Mr. *S. Lakshmi Narayana, Assistant Professor*

of

Sree Vidyanikethan Engineering College, Tirupati

for his/her participation during the conduct of
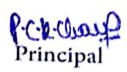Two Days Short Term Training Programme

on

CONCEPTUAL DESIGN AND INNOVATIVE MANUFACTURING USING SOLIDWORKS

held during 23-24 March, 2018

organized by Department of Mechanical Engineering.

A. Venkat
Convener

HOD, ME

Principal

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(**AUTONOMOUS**)
Sree Sainath Nagar, A. Rangampet – 517102

Department of BS & H

"Cascading English Communication Skills Project – Teachers' Training Program"

On

19th - 23rd June, 2017 and 3rd -7th July, 2017

Resource Persons

Dr. M. Ravichand, Associate Professor, SVEC

&

Dr. K. Madhu Murthy, Associate Professor, SKIT

Time : 09.00 A.M

Venue: English Language and Communication Skills Lab

Target Group: Faculty members of SVEC

A Report on

Cascading English Communication Skills Project - Teachers' Training Program

Andhra Pradesh State Council for Higher Education in collaboration with the British Council identified Sree Vidyanikethan Engineering College, Tirupati as one of the participating institutes in the Andhra Pradesh Higher Education English Communication Skills Project.

The project aims to improve English for Employability Skills of students of Higher Education Institutions and to transform Andhra Pradesh into knowledge hub by providing quality education as per the vision of Honorable Chief Minister of Andhra Pradesh, Sri Nara Chandra Babu Naidu. The initiative includes a strong emphasis on building institutional capacity.

Two of our English faculty members Dr. M. Ravichand, Associate Professor and Mr. J. Ravindra Das, Assistant Professor, were trained by British Council as Master Trainers.

The cascading of the project was in 2 Blocks for a span of ten days. Block I took place from 19th - 23rd June, 2017 and Block II was held from 3rd -7th July, 2017. **36 Faculty members** of the College from different disciplines participated and were benefited in the Teachers' Training. The master trainers deputed on campus were Dr. M. Ravichand and Dr. K. Madhu Murthy.

The Valedictory for this training program was organized in English Language and Communication Skills Lab on 7th July, 2017. Dr. M. Ravichand, Nodal Officer presided over the function. Speaking in the Valedictory session, the Chief Guest, Dr. P. C. Krishnamachary, Principal, Sree Vidyanikethan Engineering College reiterated that the faculty should train the students effectively to improve their English and employability skills. A few Teacher Trainees shared their valuable feedback on the deliberations of the training.

Dr.P.C.Krishnamachary, Principal and the Chief Guest of the Program felicitating the Master Trainer, Dr. K. Madhu Murthy.

The Teacher Trainees along with Master Trainers and the Principal and Head, Department of BS&H.

SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

SREE SAINATH NAGAR, A. RANGAMPET –517 102.

Andhra Pradesh Higher Education English Communication Skills Project
Cascading English Communication Skills Project-Teachers' Training Program

List of the faculty

Sl. No.	Name	Department	E-mail ID	Phone No.	Project Role
	Dr. A. V. M. Prasad	**BS&H**		**9959504864**	**Convener**
	Dr. M. Ravichand	English	**ravichandenglish@gmail.com**	**9885838885**	**Co-Convener**
	J. Ravindradas		**ravindra.das1974@gmail.com**	**9985551555**	**Co-Convener**
	Dr. P. Saleema		**Saleema.chesha@gmail.com**	**9912099892**	**Co-ordinator**
1	Dr. S. Pushpalatha		pushpalathaenglish@gmail.com	8297450181	Participant
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17	U. Ravindra Babu		Uppala.r@gmail.com	9966782289	Participant
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35	A. Yasminebegum	EIE	anwaralyyasmine@gmail.com	8142982006	Participant
36	G. Jagadeesh Kumar	MCA	gjkumar.mca@gmail.com	9618261060	Participant

Certificate of Participation

This certificate is awarded to

Dr. S. Pushpalatha S

for participating in Teacher Training Program
conducted by APSCHE & British Council from 19-
06-2017 - 23-06-2017 & 03-07-2017 - 07-07-2017

14-10-2017

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DATE

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SECRETARY, APSCHE