

SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY

TIRUVURU



IQAC
QUALITY INITIATIVES FOR THE
AY 2018-19



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P
 Quality initiatives in A.Y:2018-19

Sl.no	Name of the program	Resource person	Date	No of participants
1.	A One Day Hands on Workshop on Non Destructive Testing & its Application In Mechanical Industries.	G.Vijay Kumar, (CEO), FUTURE NDT Vijayawada	16-06-2018	50
2.	Design & Analysis of Algorithms	Ch. Kiran Kumar, Assoc. Prof, Sri Vani Engineering college, Mylavaram	22-07-2018	100
3.	“Electronic Circuit Simulation & Formatting Tools for Engineering Applications”	Dr. K. Naga Prakash, Prof in ECE, GEC, Gudlavalleru.	09-08-2018 to 10-08-2018	75
4.	One day seminar on Engineering Geology	Mr. T. Mahesh Babu (Ph.D), Research Scholar fro AU, Vizag	23-08-2018	40
5.	Hands-On VLSI CAD Tools”	K. Ramesh Naidu, MD, Coreldraw solutions, Hyderabad	27-08-2018 to 28-08-2018	100
6.	Student Certification Program on CFD using ANSYS	CAD experts from Hyderabad	08-09-2018	20
7.	A two-day workshop on “irrigation and Hydraulic structures”	Sk. Saleem Bash (AEE) Irrigation dept, Nuzivid	18-10-2018 to 19-10-2018	45
8.	ML-DL : A Trending Challenges	M. Jagan Mohan Reddy, Assoc. Prof, LBRCE, Mylavaram	04-11-2018 to 06-11-2018	50
9.	Soft Computing Techniques for Applications in Electrical Sciences	Surya Technical Trainer, Hyderabad	07-11-2018 to 08-11-2018	65
10.	Workshop on Applications of MATLAB	Dr. S. B. Siva Kumar Prof, HOD of EEE RYMEC, Bellary	21-11-2018	45
11.	Students Personality Development program	Dr. S. Gamanam, Professional Trainer, Hyderabad	01-12-2018	125
12.	Clustering Techniques in Data Mining	M. Satwick, Software developer, Accenture, Hyderabad	28-12-2018	72
13.	Renewable Energy integration challenges	Dr. T. Narsa.Reddy, Prof dept of EEE, IIT-Mandi	04-01-2019	50
14.	Advanced Concepts in “AIR-CONDITIONING”	K. Bala Prasad, Prof in ME, RVR&JC, Guntur	06-01-2019	68
15.	“VLSI Technology”	Dr. Y David Solomon	07-01-2019	92

		Raju, Prof in ECE, HMIST, Hyd.		
16.	Guest lecture on Water Resource Management & Conservation	Mr. M. Appa Rao (AE) Irrigation, Ashwapuram	17-01-2019	45
17.	Overview of Power Plants	P. Satyanarayana, DE, Dr.N.T.T.P.S, Vijayawada	09-02-2019	60
18.	Advanced technical training program on AUTO CAD	Mr. B. Shekha Babu CAD Expert, Bangalore	11-02-2019 to 16-02-2019	55
19.	Internet Of Things (IOT)	Dr. D. Venkata Rao, Prof in ECE, NEC, Nasaraopet	21-02-2019 to 22-02-2019	82
20.	UNIX Programming	J. Naveen Kumar, Team Leader, System admin, Accenture, Hyderabad.	18-03-2019	70
21.	Merchant Navy and CAREER OPPORTUNITIES”	A. Krishna Chaitanya Chief Engineer, Eagle Star , Singapore	13-04-2019	48

IQAC Coordinator

Principal



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

Date: - 16th June 2018

A Report on one day workshop and hands on experience on “Non-Destructive Testing & its application in Mechanical Industries” conducted on 16th June 2018.

A one day workshop was organized in Sree Vahini Institute of science and technology, Tiruvuru in the seminar hall on 16th June 2018 at 10.30AM.

The event convener Mr. T. N. Charyulu, HOD of Mechanical Engineering first welcomed the Principal, Dr. R. Nagendra Babu to the dais, Chief guest Mr. G. Vijay Kumar, CEO, FUTURE NDT, Vijayawada on to the dais, followed all HODs on to the dais.

Lightening the Lamp - Event begins with the auspicious lightening of the lamp followed by a prayer song.

Mechanical HOD Mr. T. N. Charyulu introduces the guest to all of the participants. The Chief Guest addressed the gathering.

Seminar was inaugurated at 10.45AM which was followed by the keynote session. The resource person for this topic is Mr. G. Vijay Kumar, CEO FUTURE NDT; Vijayawada gave magnificent speech on the topic "Non-Destructive Testing & its application in Mechanical Industries".

He explained about the topic very interestingly. Following this speech there was a wonderful interactive session with the audience, the speaker clarified their doubts. The workshop was very informative and provided hands on experience to the participants with enormous knowledge on various aspects. Total participants in the program are 50 members.

Finally the program was ended with vote of thanks.

No .of participants: 50

Venue: Mini Seminar Hall, SVIST

Convener: Mr. T. N. Charyulu, HOD of ME

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “Orientation Program on Design & Analysis of Algorithms”

Date: 22nd July 2018

Orientation Program on Design & Analysis of Algorithms had been conducted in the mini seminar hall, SVIST on 22nd July 2018. Ch. Kiran Kumar, Assoc. Prof, Department of CSE, Sri Vani Engineering College, Mylavaram acted as a resource person to this Program.

Firstly the convener Prof. K.V. Pandu Ranga Rao, HOD of CSE defined the profile of the program. The program was fulfilled with the presence of Chairman Sri. Pasumarthi Venkateswara Rao garu, Secretary Sri. Vootukuri Subramanyam garu, Correspondent Sri. Potru Nageswara Rao garu and college principal Dr. R. Nagendra Babu, along with all HOD's.

Chief Guest had given well detailed explanation in Design of algorithms and its analysis with suitable examples through ppt and clarified the doubts raised by students and staff participants. All the participants have gained the knowledge on how to Design an algorithm and how to analyze an algorithm.

No .of participants: 100

Venue: Mini Seminar Hall, SVIST

Convener: Prof. K. V. Pandu Ranga Rao, HOD of CSE

Co-Convener: Mr. D. Mani Mohan, Assoc. Prof, Dept. of CSE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

Date: - 09th Aug 2018

A Report on
“Two day workshop on Electronic Circuit Simulation & Formatting Tools for Engineering Applications”

A Two day workshop on “Electronic Circuit Simulation & Formatting Tools for Engineering Applications” program was conducted for both ECE and EEE students in the mini seminar hall, SVIST on 09th Aug 2018 to 10th Aug 2018. Dr. K. Naga Prakash, Professor in Electronics and Communications Engineering, GEC, Gudlavalleru acted as a resource person to this training session.

This program was an extension for Electrical Circuits and Electronic Devices & Circuits organized by convener Prof. M. Hari Krishna, HOD of ECE on 09th & 10th Aug 2018. In this session, the program has gone on extension with the details simulation of circuits and its associated tools for designing the circuits.

Dr. K. Naga Prakash has explained how to design and analyze a simple circuit using Pspice and Matlab with best suitable examples. The motto behind this program is to analyze the behavior of the circuit at each node and at each element in the circuit without tedious calculations. All the participants have gained the knowledge on how to design a circuit and analyze its behavior by using simulation tools such as Pspice and Matlab.

The program has been concluded with the vote of thanks by Prof. M. Hari Krishna, Vice-Principal, HOD of ECE.

No .of participants: 75

Venue: Mini Seminar Hall, SVIST

Convener: Prof. M. Hari Krishna, HOD of ECE

Co-Conveners: Mr. K. Venkanna, Asst. Prof, Dept. of ECE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “One day Seminar on Engineering Geology”

Date: 23th Aug 2018

A One day seminar on Engineering Geology Program was conducted in the mini seminar hall, SVIST on 23th Aug 2018. Mr. T. Mahesh Babu, Research Scholar from Andhra University, Visakhapatnam, acted as a resource person.

Firstly the program convener Mr. Y. Som Babu, HOD of CE has defined the profile of the program. The program was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, Sri. P. Venkateswara Rao, Chairman, Sri P. Nageswara Rao Correspondent and Sri. V. Subramanyam, Secretary along with all HOD's.

Chief Guest gave well detailed explanation about the importance of Engineering Geology in Civil Engineering which provides knowledge about the site used in the construction of buildings, dams, tunnels, tanks, reservoirs, highways and bridges etc. Geological maps help in planning civil engineering projects. It also provides information about the structural deposition of rock types in the proposed area. All the participants have gained the knowledge about the importance of Engineering Geology in Civil Engineering. The participants got cleared their doubts by interacting with resource person.

No .of participants: 40

Venue: mini seminar Hall, SVIST

Convener: Mr. Y. Som Babu, HOD of CE

Co-Convener: Mr. K. Ram Babu, Asst. Prof, Dept. of CE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “Hands on Experience with VLSI CAD Tools”

Date: 27th Aug 2018

A Two day workshop with “Hands on Experience with VLSI - CAD Tools”

Program was conducted in the mini seminar hall, SVIST on 27th & 28th Aug 2018. Mr. K. Ramesh Naidu, MD, Coreldraw Solutions, Hyderabad, acted as a resource person to this training session.

Firstly the program convener Prof. M. Hari Krishna, HOD of ECE defined the profile of the program. The program was fulfilled with the presence of Chairman Sri P. Venkateswara Rao, Correspondent Sri P. Nageshwara Rao, Sri. V. Subramanyam, Secretary and Principal Dr. R. Nagendra Babu along with all HOD's.

Chief Guest gave well detailed explanation about the EDA Tools for VLSI design

- Cadence Virtuoso.
- Synopsys.
- Mentor Graphics.
- Xilinx.
- Tanner.
- Electric.
- Silvaco.
- Glade.

through ppt. All the participants have gained the knowledge about the EDA tools for VLSI design. At the end of session all the participants got cleared their doubts by interacting with resource person. Finally the program was ended with vote of thanks by Mr. Ch. Gopal Krishna, Asst. Prof, Dept. of ECE.

No .of participants: 100

Venue: Mini seminar Hall, SVIST

Convener: Prof. M. Hari Krishna, HOD of ECE.

Co-convener: Mr. Ch. Gopal Krishna, Asst. Prof, Dept. of ECE

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “Student Certificate Program on CFD using ANSYS”

Date: 08th Sep 2018

“Certificate Program on CFD using ANSYS” was conducted in the mini seminar hall, SVIST on 08th Sep 2018. Sri Sai Santhosh Manepally, Technology Specialist, CADFEM India Pvt. Ltd., Hyderabad, acted as a resource person.

Firstly the program convener Mr. T. N. Charyulu, HOD of ME defined the profile of the program. The program was fulfilled with the presence of Dr. R. Nagendra Babu Principal along with all HOD's.

Chief Guest gave well detailed explanation on Ansys computational fluid dynamics (CFD) simulation software is a comprehensive suite of products that allows you to predict, with confidence, the impact of fluid flows on your product — throughout design and manufacturing as well as during end use through ppt. All the participants have gained the knowledge about the topic. At the end of session all the participants got cleared their doubts by interacting with resource person. The seminar was very informative and provided the participants with enormous knowledge in Students Satisfaction Survey. Finally the program was ended with vote of thanks by Dr. S. Kiran Kumar, Professor dept. of ME.

No .of participants: 20

Venue: mini seminar Hall, SVIST

Convener: Mr. T. N. Charyulu, HOD of ME.

Co - Convener: Dr. S. Kiran Kumar, Professor, Dept. of ME.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “A Two-day workshop on Irrigation and Hydraulic Structures”

Date: 18th Oct 2018

A two day workshop on Irrigation and Hydraulic Structures program was conducted in the mini seminar hall, SVIST on 18th Oct 2018. Mr. Sk. Saleem Basha (AEE) AP state Irrigation department, Nuzivid, Krishna (Dt) acted as a resource person to this training session.

Firstly the program convener Mr. Y. Som Babu, HOD of CE defined the profile of the program. The program was fulfilled with the presence of Dr. R. Nagendra Babu, Principal; Sri. P. Venkateswara Rao, Chairman; Sri. V. Subramanyam, secretary and Sri. P. Nageshwara Rao, correspondent along with all HOD's.

Chief Guest gave well detailed explanation on Water Irrigation and its Hydraulic structures that are associated with any water bodies (submerged or partially submerged) including the rivers, coastal regions and estuaries, which may be constructed to retain, convey, or disrupt the natural flow of water.

All the participants have gained the knowledge about the hydraulic structure which is submerged or partially submerged in any body of water, which disrupts the natural flow of water. They can be used to divert, disrupt or completely stop the flow. An example of a hydraulic structure would be a dam, which slows the normal flow rate of river in order to power turbines. The participants got cleared their doubts by interacting with resource person.

Finally the program was ended with vote of thanks by Ms. Harika, Asst. Prof, Dept. of CE.

No .of participants: 45

Venue: mini seminar Hall, SVIST

Convener: Mr. Y. Som Babu, HOD of CE

Co-Convener: Ms. Harika, Asst. Prof, Dept. of CE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “Machine Learning – Deep Learning: A Trending Challenge”

Date: 04th Nov 2018

A Three day workshop on “Machine Learning – Deep Learning: A Trending Challenge” program was organized in the seminar hall, SVIST from 04th to 06th Nov 2018. Mr. M. Jagan Mohan Reddy, Assoc. Professor in Computer Science Engineering, LBRCE, Mylavaram acted as a resource person to this training session.

Firstly the program convener Prof. K. V. Pandu Ranga Rao, HOD of CSE, defined the profile of the program. The session was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD’s and teaching staff.

Chief Guest gave well detailed explanation about the importance of Machine Learning: Machine learning is a subset, an application of Artificial Intelligence (AI) that offers the ability to the system to learn and improve from experience without being programmed to that level. Machine Learning uses data to train and find accurate results. Machine learning focuses on the development of a computer program that accesses the data and uses it to learn from themselves.

Deep Learning: Deep Learning is a subset of Machine Learning where the artificial neural network, the recurrent neural network comes in relation. The algorithms are created exactly just like machine learning but it consists of many more levels of algorithms. All these networks of the algorithm are together called as the artificial neural network. In much simpler terms, it replicates just like the human brain as all the neural networks are connected in the brain, exactly is the concept of deep learning. It solves all the complex problems with the help of algorithms and its process through ppt.

The session was very informative and provided the participants with enormous knowledge about importance of Machine Learning and Deep Learning and its application in real life applications. The participants got cleared their doubts by interacting with resource person.

Finally the program was ended with vote of thanks by Mr. D. Mani Mohan, Assoc. Prof, Dept. of CSE

No .of participants: 50

Convener: Prof. K. V. Pandu Ranga Rao. HOD of CSE.

Co-Convener: Mr. D. Mani Mohan, Assoc. Prof, Dept. of CSE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

Report on

“A Two day workshop on Soft Computing Techniques for applications in Electrical Sciences”

Date: 07th Nov 2018

A Two day workshop on Soft Computing Techniques for applications in Electrical Sciences program was organized in SVIST on 07th & 08th Nov 2018. A team from Surya Technical Trainers, Hyderabad acted as resource persons to this training session.

Firstly the program convener Mr. K. Kiran Kumar, HOD of EEE defined the profile of the program. This session was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD's and teaching staff.

Chief Guest gave well detailed explanation about the importance of Soft computing Techniques in Electrical Engineering applications through power point presentation.

1. What is soft computing in Electrical Engineering?
2. What are the various types of soft computing techniques used in Electrical Engineering?
3. What are the applications of soft computing?
4. Benefits and drawbacks of soft computing techniques.

The seminar was very informative and provided the participants with enormous knowledge about importance of Soft computing techniques used in Electrical Engineering. The participants got cleared their doubts by interacting with resource persons.

Finally the program was ended with vote of thanks by Mr. K. Nageswara Rao, Asst. Prof, Dept. of EEE.

No .of participants: 65

Convener: Mr. K. Kiran Kumar, HOD of EEE.

Co-Convener: Mr. K. Nageswara Rao, Asst. Prof, Dept. of EEE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “Workshop on Applications of MATLAB”

Date: 21st Nov 2018

Workshop on applications of MATLAB was organized in SVIST on 21st Nov 2018. Dr. S. B. Siva Kumar, Professor, HOD of EEE, RYMEC, Bellary acted as a resource person to this training session.

Firstly the program convener Mr. K. Kiran Kumar, HOD of EEE, defined the profile of the program. The session was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD's and teaching staff.

Chief Guest gave well detailed explanation about the importance of applications of MATLAB in teaching methods through ppt. The seminar was very informative and provided the participants with enormous knowledge about importance of applications of MATLAB in various engineering disciplines. The participants got cleared their doubts by interacting with resource person.

Finally the program was ended with vote of thanks by Mr. G. Tejaswi, Asst. Prof, Dept. of EEE.

No .of participants: 45

Convener: Mr. K. Kiran Kumar, HOD of EEE.

Co-Convener: Mr. G. Tejaswi, Asst. Prof, Dept of EEE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “Students Personality Development Program”

Date: 01st Dec 2018

Students Personality Development Program was organized in SVIST on 01st Dec 2018. Dr. S. Gamanam, Professional Trainer from Hyderabad acted as a resource person to this program.

Firstly the program convener Dr. M. Papa Rao, HOD of MBA defined the profile of the program. This program was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD's, both teaching and students.

Chief Guest gave well detailed explanation about the Personality development through ppt. Some of the salient features of the program include:

- Functional grammar in Standard English
- Speaking skills
- Reasoning
- Group Discussions
- Interview skills
- Personal Interviews
- Quantitative ability
- Verbal Ability

The session was very informative and provided the participants with enormous knowledge about Personality Development.

Finally the program was ended with vote of thanks by Mr. O. Naresh, Asst. Prof, Dept. of MBA.

No .of participants: 125

Convener: Dr. M. Papa Rao, HOD of MBA.

Co-Convener: Mr. O. Naresh, Asst. Prof, Dept. of MBA.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

Date: 28th Dec 2018

A Report on “Clustering Techniques in Data Mining”

A seminar on Clustering Techniques in Data Mining was organized in SVIST on 28th Dec 2018. The event convener Prof. K. V. Pandu Ranga Rao, HOD of CSE by welcoming the Principal, Dr. R. Nagendra Babu, followed by the Resource Person Mr. Satwick, Software developer, Accenture, Hyderabad. The convener briefly defined the profile of the program.

The seminar was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD's and teaching staff. Principal Dr. R. Nagendra Babu introduced the guest to all the participants. The guest addressed the gathering.

The honorable personality Mr. Satwick delivered valuable information about the clustering techniques in Data Mining and its methodologies. He framed the programme with different case studies as examples through ppt which attracted all the participants and also explained the importance and applications of Data Mining in various fields near by future shared to students with the changing in technology environment.

Seminar includes the following contents: Clustering Methods

- Partitioning Method.
- Hierarchical Method.
- Density-based Method.
- Grid-Based Method.
- Model-Based Method.
- Constraint-based Method

All the above points have marked a success of the programme which made an immense impact to both faculty & students. Finally the programme has been signed off with the vote of thanks by Mr. Kishore Kumar, Asst. Prof, Dept. of CSE.

No .of participants: 72

Convener: Prof. K. V. Pandu Ranga Rao, HOD of CSE

Co-Convener: Mr. Kishore Kumar, Asst. Prof, Dept. of CSE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Seminar Report on “Renewable Energy Integration challenges”

Date: - 04th Jan 2019

As dated on 04th Jan 2019, a seminar has been organized on “Renewable Energy Integration Challenges” at the Mini Seminar Hall, SVIST.

The event started with the convener Mr. K. Kiran Kumar, HOD of EEE, by welcoming the Principal, Dr. R. Nagendra Babu, followed by the resource person Dr. T. Narsa Reddy, Professor in EEE, IIT - Mandi on to the dais. The program was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD's and all teaching staff of SVIST.

Chief Guest gave well detailed explanation about the challenges in Renewable energy Integration through power point presentation.

Seminar includes the following contents:

- What are the challenges in renewable energy integration and microgrids?
- What are the challenges faced with renewable resources energy?
- What are the 3 main challenges faced by renewable energy?
- What are the main challenges that keep renewable energy sources from being widely adopted?

The seminar was very informative and provided the participants with enormous knowledge about Challenges in Renewable Energy Integration. The participants got cleared their doubts by interacting with resource person.

The program has been concluded with the vote of thanks by Mr. K. Nageswara Rao, Asst. Prof, Dept. of EEE.

No .of participants: 50

Venue: Mini Seminar Hall, SVIST

Convener: Mr. K. Kiran Kumar, HOD of EEE

Co-Convener: Mr. K. Nageswara Rao, Asst. Prof, Dept. of EEE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

Date: - 06th Jan 2019

A Report on “Advanced Concepts in AIR CONDITIONING”

A Technical seminar on Advanced Concepts in AIR CONDITIONING program was conducted at SVIST Mini Seminar Hall on 06th Jan 2019. Dr. K. Bala Prasad, Professor in ME, RVR & JC College of Engineering, Guntur invited as a resource person.

The seminar started with the convener Mr. T. N. Charyulu, HOD of ME, by welcoming the Principal, Dr. R. Nagendra Babu, followed by the resource person Dr. K. Bala Prasad, Professor in ME, RVR&JC - Guntur on to the dais. The program was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD's and all teaching staff of SVIST.

Chief Guest gave well detailed explanation about the advanced concepts in Air conditioning through power point presentation.

Seminar includes the following contents:

1. Cooling Homes without Warming the Planet – New Technology for More Efficient AC
2. THERMODYNAMICS:
 - Principles and fundamentals of heat transfer
 - Pressure/temperature/volume/vacuum relationships
 - Gas laws
 - Cycle construction
3. VAPOR-COMPRESSOR REFRIGERATION CYCLE
 - Heat-transfer process
 - Typical operating conditions
4. REFRIGERANTS AND OILS
 - Refrigerant composition / R-410A
 - Refrigerant classifications
 - Refrigerant cylinders
 - Environmental safety & refrigerant regulations
5. REFRIGERANT EQUIPMENT COMPONENTS
 - Evaporators / Compressors / Condensers
 - Metering devices and Refrigeration-system accessories
6. HEAT LOAD IN REFRIGERATION SYSTEM
 - Calculating the total product load
 - Miscellaneous heat load
7. PSYCHROMETERICS
 - Psychometrics
 - Comfort / Humidity
 - EPA 420-K-02-003

- Moisture control in the key mold control
- Dew point / CRM Requirements
- Air Condition System Design

The seminar was very informative and provided the participants with enormous knowledge about Challenges in Renewable Energy Integration. The participants got cleared their doubts by interacting with resource person.

The program was finally concluded with vote of thanks from Mr. M. Madhu Babu, Asst. Prof, Dept. of ME.

No. of Participants: 68

Place: Main seminar Hall, SVIST.

Convener: Mr. T. N. Charyulu, Assoc. Prof, Dept. of ME

Co-convener: Mr. M. Madhu Babu, Asst. Prof, Dept. of ECE.

Chief Patron: Dr. R. Nagendra Babu, Principal SVIST



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “Guest Lecture on VLSI Technology”

Date: 07th Jan 2019

A Guest lecture on “VLSI Technology” program was conducted in the mini seminar hall, SVIST on 07th Jan 2019. Dr. Y. David Solomon Raju, Professor in ECE, HMIST, Hyderabad, acted as a resource person to this guest lecture.

Firstly the program convener Prof. M. Hari Krishna, HOD of ECE defined the profile of the program. The program was fulfilled with the presence of Chairman Sri P. Venkateswara Rao, Correspondent Sri P. Nageshwara Rao, Sri. V. Subramanyam, Secretary and Principal Dr. R. Nagendra Babu along with all HOD's.

Chief Guest gave well detailed explanation about the VLSI Technology through ppt. All the participants have gained the knowledge about the VLSI technology. At the end of session all the participants got cleared their doubts by interacting with resource person.

Finally the program was ended with vote of thanks by Mr. Ch. Gopal Krishna, Asst. Prof, Dept. of ECE.

No .of participants: 92

Venue: Mini seminar Hall, SVIST

Convener: Prof. M. Hari Krishna, HOD of ECE.

Co-convener: Mr. Ch. Gopal Krishna, Asst. Prof, Dept. of ECE

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on

“A Guest Lecture on Water Resource Management & Conservation”

Date: 17th Jan 2019

A guest lecture on Water Resource Management & Conservation program was conducted in the mini seminar hall, SVIST on 18th Oct 2018 by the department of Civil Engineering. Mr. M. Appa Rao (AE) AP state Irrigation department, Ashwapuram, Bhadradi Kothagudem district, Telangana State acted as a resource person to this training session.

Firstly the program convener Mr. Y. Som Babu, HOD of CE defined the profile of the program. The program was fulfilled with the presence of Dr. R. Nagendra Babu, Principal; Sri. P. Venkateswara Rao, Chairman, Sri. V. Subramanyam, secretary and Sri. P. Nageshwara Rao, correspondent along with all HOD's.

Chief Guest Mr. M. Appa Rao, explained the importance of water, various methods of conservation to save water bodies. He explained about the value of the water, the problems which are going to be faced by the future generations, if we continue the wastage of natural resources.

Natural resources occur naturally within environments that exist relatively undisturbed by mankind, in a natural form. A natural resource is often characterized by amounts of biodiversity and geodiversity existent in various ecosystems. The youth who benefit from the message of water conservation should take up the responsibility of spreading the message.

Giving some startling facts he said that 45 litres of water is wasted if a tap is left running while a person brushes teeth. Similarly 48 litres was wasted if water was left running while shaving and a startling amount of 18 litres was wasted while a person washed hands, he said. All this water could be saved by using a mug while performing these chores he said.

All the III & IV B. Tech Students and Faculty of Civil Engineering department were attended the guest lecturer. The participants got cleared their doubts by interacting with resource person.

Finally the program was ended with vote of thanks by Mr. Ram Babu, Asst. Prof, Dept. of CE.

No .of participants: 45

Venue: mini seminar Hall, SVIST

Convener: Mr. Y. Som Babu, HOD of CE

Co-Convener: Mr. Ram Babu, Asst. Prof, Dept. of CE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Seminar Report on “Present Overview of Power Plants in India”

Date: - 09th Feb 2019

As dated on 09th Feb 2019, a seminar has been organized on “Present Overview of Power Plants in India” at the Mini Seminar Hall, SVIST.

The event started with the convener Mr. K. Kiran Kumar, HOD of EEE, by welcoming the Principal, Dr. R. Nagendra Babu, followed by the resource person Mr. P. Satyanarayana, DE, Dr.NTTPS, Vijayawada on to the dais.

The program was fulfilled with the presence of Chairman Sri P. Venkateswara Rao, Secretary Sri V. Subramanyam, Correspondent Sri P. Nageswara Rao and Principal Dr. R. Nagendra Babu along with all HOD’s and all teaching staff of SVIST.

Chief Guest gave well detailed explanation about the Present Overview of power plants in India through power point presentation.

Seminar includes the following contents:

- India's power sector is one of the most diversified in the world. Sources of power generation range from conventional sources such as coal, lignite, natural gas, oil, hydro and nuclear power to viable non-conventional sources such as wind, solar, and agricultural and domestic waste.
- How many power plants are there in India?
- What are the major power plants in India?
- What are the 5 types of power plants?
- How does power sector work in India?

The seminar was very informative and provided the participants with enormous knowledge about Present Overview of power plants in India. The participants got cleared their doubts by interacting with resource person.

The program has been concluded with the vote of thanks by Mr. T. Srinivasa Rao, Asst. Prof, Dept. of EEE.

No .of participants: 60

Venue: Mini Seminar Hall, SVIST

Convener: Mr. K. Kiran Kumar, HOD of EEE

Co-Convener: Mr. K. Nageswara Rao, Asst. Prof, Dept. of EEE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “Advanced technical training program on AUTOCAD”

Date: 08th Sep 2018

“Advanced Technical Training Program on AUTOCAD” was conducted in the mini seminar hall, SVIST from 11th to 16th Feb 2019. Sri B. Shekar Babu, CAD Expert and their team members, Bangalore, acted as a resource persons.

Firstly the program convener Mr. T. N. Charyulu, HOD of ME defined the profile of the program. The program was fulfilled with the presence of Chairman Sri P. Venkateswara Rao, Secretary Sri V. Subramanyam, Correspondent Sri. P. Nageswara Rao and Dr. R. Nagendra Babu Principal along with all HOD's.

The following are some of the most common topics covered in AutoCAD design courses:

- Curves
- 3D modeling
- Multiple Lines
- Geometric Shapes
- Isometric drawings
- Linear Dimensions
- Polar Arrays
- Layers and Line Types

All the participants have gained the knowledge about the topic. At the end of session all the participants got cleared their doubts by interacting with resource person. The seminar was very informative and provided the participants with enormous knowledge in Students Satisfaction Survey.

Finally the program was ended with vote of thanks by Dr. S. Kiran Kumar, Professor dept. of ME.

No .of participants: 55

Venue: mini seminar Hall, SVIST

Convener: Mr. T. N. Charyulu, HOD of ME.

Co - Convener: Dr. S. Kiran Kumar, Professor, Dept. of ME.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

Date: 21st Feb 2019

A Two day seminar Report on “Applications of Internet of Things in various fields”

A two day seminar on applications of IoT in various fields was organized in SVIST on 21st to 22nd Feb 2019. The event convener Prof. M. Hari Krishna, HOD of ECE by welcoming the Principal, Dr. R. Nagendra Babu, followed by the Resource Person Dr. D. Venkata Rao, Professor in ECE, NEC, Narasaraopeta. The convener briefly defined the profile of the program.

The seminar was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD's and teaching staff. Principal Dr. R. Nagendra Babu introduced the guest to all the participants.

The guest addressed the gathering delivered valuable information about the applications of IoT techniques in various fields. He framed the programme with different case studies as examples through ppt which attracted all the participants.

Seminar includes the following contents: The most important applications of the Internet of Things (IoT)

- Wearables. ...
- Health. ...
- Traffic monitoring. ...
- Fleet management. ...
- Agriculture. ...
- Hospitality. ...
- Smart grid and energy saving. ...

All the above points have marked a success of the programme which made an immense impact to both faculty & students. Finally the programme has been signed off with the vote of thanks by Mrs. G. Uma Maheswari, Asst. Prof, Dept. of ECE.

No .of participants: 82

Convener: Prof. M. Hari Krishna, HOD of ECE

Co-Convener: Mrs. G. Uma Maheswari, Asst. Prof, Dept. of ECE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

Date: 18th March 2019

A Report on Guest Lecture on “Unix Programming”

A guest lecture on Unix Programming was organized in SVIST on 18th March 2018. The event convener Prof. K. V. Pandu Ranga Rao, HOD of CSE by welcoming the Principal, Dr. R. Nagendra Babu, followed by the Resource Person Mr. J. Naveen Kumar, Team Leader, System Admin, Accenture, Hyderabad. The convener briefly defined the profile of the program.

The seminar was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD's and teaching staff. Principal Dr. R. Nagendra Babu introduced the guest to all the participants. The guest addressed the gathering.

The honorable personality Mr. J. Naveen Kumar delivered valuable information about the Unix Programming. He framed the programme with different case studies as examples through ppt which attracted all the participants.

Seminar includes the following contents:

- Operating System
- Unix system shell
- Installing SSH
- SHELL Scripting
- Imperative Programming
- Learning C
- C Program Development Process
- Compilation, Linking and Preprocessing of programs
- ANSI-C Standard
- The C compiler – gcc
- Moving from Java to C
- Additional Readings
- Exercises

All the above points have marked a success of the programme which made an immense impact to both faculty & students. Finally the programme has been signed off with the vote of thanks by Mr. Kishore Kumar, Asst. Prof, Dept. of CSE.

No .of participants: 70

Convener: Prof. K. V. Pandu Ranga Rao, HOD of CSE

Co-Convener: Mr. Kishore Kumar, Asst. Prof, Dept. of CSE.

Patron: Dr. R. Nagendra Babu, Principal.



SREE VAHINI INSTITUTE OF SCIENCE & TECHNOLOGY
Byepass Road, Sai Vahini Nagar, Tiruvuru - 521235, Krishna Dt. A.P

A Report on “Merchant Navy and Carrier opportunities”

Date: 13th April 2019

Merchant Navy and Carrier opportunities program was organized in SVIST on 13th April 2019. Mr. A. Krishna Chaitanya, Chief Engineer, Eagle Star, Singapore acted as a resource person to this program.

Firstly the program convener Mr. Y. Venkateswara Rao, Asst. Prof, Training & Placement Officer, Dept. of MBA defined the profile of the program. This program was fulfilled with the presence of Dr. R. Nagendra Babu, Principal, along with all HOD's, both teaching and students.

Chief Guest gave well detailed explanation about the Merchant Navy as Carrier opportunity through ppt. Some of the salient features of the program include:

- Navigating or Deck Officer
- Marine engineers
- How to join merchant navy
- Commercial driving course
- NCV course
- Deck rating course
- GP rating course
- Engine rating course
- Electro-technical officer course
- SCTW basic safety Training

The session was very informative and provided the participants with enormous knowledge about Merchant Navy.

Finally the program was ended with vote of thanks by Mr. O. Naresh, Asst. Prof, Dept. of MBA.

No .of participants: 48

Convener: **Mr. Y. Venkateswara Rao**, Asst. Prof, Training & Placement Officer, Dept. of MBA.

Co-Convener: **Mr. O. Naresh**, Asst. Prof, Dept. of MBA.

Patron: **Dr. R. Nagendra Babu**, Principal.