



# AVANTHI

## INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, Permanently Affiliated to JNT University, Kakinada,  
Accredited by NBA & Recognized Under 2(f) and 12(b) by UGC, New Delhi)  
Tatamam, Makavarapalem, Narsipatnam(R.D), Visakhapatnam Dist-531113

### Alumni Coordination Cell Academic Year 2018-2019 Alumni Contributions

S.NO	NAME OF THE ALUMNI	DEPT	YEAR OF GRADUATION	DATE	TYPE OF CONTRIBUTION	NO OF STUDENTS BENEFITED
1	Shiek Sharef Malik	MECH	2016	20-07-2018	GUEST LECTURE	45
2	Lakavath Kiran	MECH	2016	03-08-2018	GUEST LECTURE	43
3	Mallavarapu Praveen Kumar	MECH	2015	26-10-2018	SEMINAR	33
4	V.Raviteja	MECH	2017	06-02-2019	SEMINAR	49
5	G Siva ram	MECH	2014	23-03-2019	SEMINAR	52

**Academic year: 2018-2019**

**Conducted on: 20-07-2018**

**Name of the Alumni/Speaker: Shiek Sharef Malik**

**Designation &Organization: CAD ENGINEER (TRIGEO TECHNOLOGIES PVT.LTD)**

**Topic delivered: TOPIC ON CAD-CAM TECHNOLOGY**

**Target group: II, III &IV B.TECH MECHANICAL STUDENTS**

**BRIEF REPORT:-**Mr. Shiek Sharef Malik delivered his wonderful lecture on CAD-CAM TECHNOLOGY He also explained his real time work experience with students directly. And he also explained about the importance of cad-cam technology. And explained about Computer Aided Design and Computer Aided Manufacture is the way things are made these days. Without this technology we wouldn't have the range and quality of products available or, at least, they wouldn't be available at a price most of us can afford.



**Academic year: 2018-2019**

**Conducted on: 03-08-2018**

**Name of the Alumni/Speaker: Lakavath Kiran**

**Designation & Organization: JUNIOUR ENGINEER (HPCL VISAKHA REFINERY)**

**Topic delivered: TOPIC ON HEAT PIPE**

**Target group: I&II,III B.TECH MECHANICAL STUDENTS**

**BRIEF REPORT:-**Mr. Lakavath Kiran delivered his wonderful lecture on HEAT PIPE. He also explained his real time work experience with students directly. And he also explained about the importance of basic components of pipes, And explained about The container, the working fluid and the wick capillarity structure and said heat pipes contain no moving parts and require no maintenance and are completely noiseless.



**Academic year: 2018-2019**

**Conducted on: 26-10-2018**

**Name of the Alumni/Speaker: Mallavarapu Praveen Kumar**

**Designation & Organization: GRADUATE ENGINEER TRAINEE (SANVEER INDUSTRY LIMITED)**

**Topic delivered: HYDRAULIC HYBRID VEHICLE**

**Target group: I&II, III IV B.TECH MECHANICAL STUDENTS**

**BRIEF REPORT:-MR. Mallavarapu Praveen Kumar** delivered his wonderful lecture on hydraulic hybrid vehicle. He also explained his real time work experience with students directly. And he also explained about the importance the hydro-mechanical drive train with independent wheel torque control has the potential for excellent fuel economy in a passenger vehicle operated in an urban environment. The drive train combines a highly efficient power transmission through the mechanical branch and infinite speed variation through the hydraulic branch. Through modeling it was demonstrated that the pump/motor units typically operate at low displacements, creating poor efficiency in the current generation of pump/motors. This reveals a significant research and development project to develop units that operate efficiently in this regime. Through continued development and optimization, this drive train offers an attractive alternative to curb increasing energy consumption.



**Academic year: 2018-2019**

**Conducted on: 06-02-2019**

**Name of the Alumni/Speaker: CH. Satyanarayana**

**Designation & Organization: GRADUATE ENGINEER TRAINEE (SANVEER INDUSTRY LIMITED)**

**Topic delivered: TOPIC ON IC ENGINES**

**Target group: II, III & IV B.TECH MECHANICAL STUDENTS**

**BRIEF REPORT:** Mr. CH. Satyanarayana delivered his wonderful lecture on IC ENGINES. He also explained his real time work experience with students directly. And he also explained about the Internal Combustion Engine, which is an engine in which the combustion of a fuel (generally, fossil fuel) occurs with an oxidizer (usually air) in a combustion chamber. In an internal combustion engine, the expansion of the high temperature and pressure gases, which are produced by the combustion, directly applies force to a movable component of the engine, such as the pistons or turbine blades and by moving it over a distance, generate useful mechanical energy.



**Academic year: 2018-2019**

**Conducted on: 20-07-2018**

**Name of the Alumni/Speaker: G Siva ram**

**Designation &Organization: ASST.PROFESSOR**

**Topic delivered: TOPIC ON REVERSE OSMOSIS**

**Target group: I& II, III &IV B.TECH MECHANICAL STUDENTS**

**BRIEF REPORT:** Mr. G Siva ram delivered his wonderful lecture on reverse osmosis. He also explained his real time work experience with students directly. And he also explained about the process. When two solutions of differing concentrations of dissolved materials are separated by a semi-permeable membrane; the liquid component will tend to flow from the lower to the more highly concentrated side. In a sense, the concentration difference will tend to equilibrate across the membrane. This process is called osmosis.







# A V A N T H I

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Tamaram, Makavarapalem, Narsipatnam(R.D), Visakhapatnam Dist-531113

### Alumni Coordination Cell Academic Year 2018-19

#### Alumni Contributions

S.No	Name of the alumni	Dept	Year of graduation	Date	Type of contribution	No of students benefited
1	MR. B. ARJUN MURTHY	ECE	2007	14-07-2018	SEMINAR	102
2	MS. C. PREMA JYOTHI	ECE	2016	29-09-2018	SEMINAR	102
3	MS. C. HARI PRIYANKA	ECE	2016	01-12-2019	SEMINAR	99
4	MR. M. NAVEEN	ECE	2013	18-01-2019	SEMINAR	104
5	MR. N. BAPANAIDU	ECE	2017	28-03-2019	SEMINAR	103

**Academic year: 2018-19**

**Conducted on: 14-07-2018**

**Name of the alumni/Speaker: B.ARJUN MURTHY**

**Designation &Organization: Junior Telecomm Officer, BSNL**

**Topic delivered: REAL TIME SWITCHING NETWORKS**

**Target group: IV B.TECH E.C.E STUDENTS**

**BRIEF REPORT:** Mr.Arjun Murthy delivered his wonderful lecture on switching network. He also explained his real time work experience with students directly. And he also he explained how communication path developed between two different destinations. Examples of telecommunication networks are computer networks.etc.





**Conducted on:** 29-09-2018

**Name of the Alumni/Speaker:** Ms.C.PREMA JYOTHI

**Designation &Organization:** Software Engineer & TCS

**Topic delivered:** CLOUD COMPUTING

**Target group:** IV B.TECH E.C.E STUDENTS

**BRIEF REPORT:** Mr.Prema Jyothi delivered wonderful lecture on Cloud Computing. She gave guest lecture on reliable and cloud computing network with students directly. And She also explained the delivery of different services through the internet. And also briefly explained the examples of cloud computing networks.



**Academic year: 2018-19**

**Conducted on: 01-12-2019**

**Name of the Alumni/Speaker: Ms.C.HARI PRIYANKA**

**Designation &Organization: Software Engineer & IBM**

**Topic delivered: BigData**

**Target group: IV B.TECH E.C.E STUDENTS**

**BRIEF REPORT:** Miss Hari Priyanka delivered wonderful seminar on BigData.. She gave an excellent lecture on human intelligence processes by machines, especially on computer systems different and explained different services through the internet. And also briefly explained the real time examples of BigData.



**Conducted on:** 18-01-2019

**Name of the Alumni/Speaker:** Mr.Naveen

**Designation &Organization:** Software Engineer & Polaris

**Topic delivered:** ARTIFICIAL INTELLIGENCE

**Target group:** IV B.TECH E.C.E STUDENTS

**BRIEF REPORT:** Mr. Naveen delivered wonderful seminar on Artificial Intelligence. She gave an excellent lecture on human intelligence processes by machines, especially on computer systems different and explained different services through the internet. And also briefly explained the real time examples of Artificial Intelligence.



**Academic year: 2018-19**

**Conducted on: 28-03-2019**

**Name of the Alumni/Speaker: MR. N. BAPANAIDU**

**Designation & Organization: CISF & GOVT services**

**Topic delivered: Preparation Strategy for Competitive Exams**

**Target group: IV B.TECH E.C.E STUDENTS**

**BRIEF REPORT:** Mr. N. Bapanaidu gave an excellent guest lecture on Central government services, for the CISF Constable exam should be well versed with the exam pattern of the CBT. It shall help them to prepare for the examination in the easiest manner.





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S.No	Name of the alumni	Dept	Year of graduation	Date	Type of contribution	No of students benefited
1	Mr. A. KAMESH	EEE	2011	06-08-2018	GUEST LECTURE	45
2	Mr. B. GANGADAR	EEE	2011	29-10-2018	GUEST LECTURE	43
3	Mr. A.NAGARAJUNA	EEE	2014	10-12-2018	SEMINAR	47
4	Mr. N. VENUGOPALA SWAMY	EEE	2014	02-02-2019	WORKSHOP	50
5	Mr. A. NAGA BABU	EEE	2017	11-03-2019	SEMINAR	46

Academic year: 2018-2019

Conducted on: 6-08-2018

Name of the Alumni/Speaker: A. KAMESH

Designation & Organization: Junior Engineer in SSC.

Topic delivered: Domestic Wiring

Target group: III & IV B.TECH EEE STUDENTS.



**BRIEF REPORT:** Mr. A. KAMESH delivered his wonderful lecture on Wiring and Distribution and also explains about Distribution board, Types of cables, Lighting Control Circuits, Earthing System and Fuses and HRC Fuses.

Academic year: 2017-2018,

Conducted on: 29-10-2018

Name of the Alumni/Speaker: B. GANGADHAR

Designation & Organization: Communication Constable..

Topic delivered: Cyber Security

Target group: II,III & IV B.TECH EEE STUDENTS.



**BRIEF REPORT:** Mr. B. Gangadhar delivered his wonderful lecture on Cyber Security and briefly explained about Malware. Malware is a term used to describe malicious software, including spyware, ransomware, viruses, and worms, Phishing, Man-in-the-middle attack, Denial-of-service attack, SQL injection, Zero-day exploit, DNS Tunneling.



Academic year: 2018-2019,

Conducted on: 10-12-2018

Name of the Alumni/Speaker: A. NAGARJUNA

Designation & Organization: Senior Engineer.

Topic delivered: Engineering Design

Target group: II,III & IV B.TECH EEE STUDENTS.



**BRIEF REPORT:** Mr. A. NAGARJUNA delivered his amazing lecture on Engineering Design by using CAD Software and sculpting 3D modeling of Machine Design and Explained about modes in CAD Software like Building Information Modeling, Design Tool.

Academic year: 2018-2019,

Conducted on: 02-02-2019.

Name of the Alumni/Speaker: N. VENUGOPALA SWAMY.

Designation & Organization: Digital Assistant.in Oracle

Topic delivered: Modeling electrical circuits and panels using REVIT software.

Target group: II,III & IV B.TECH EEE STUDENTS.



**BRIEF REPORT:** Mr. N. VENUGOPALA SWAMY delivered his wonderful lecture advanced artificial intelligence (AI) and Explain About how Artificial Intelligence makes our lives more efficient every day AI powers many programs and services that help us do everyday things such as connecting with friends, using an email program, or using a ride-share service.

Academic year: 2018-2019,

Conducted on: 11-03-2019.

Name of the Alumni/Speaker: A. NAGA BABU

Designation & Organization: Junior Engineer in Indian Railways.

Topic delivered: Electric Locomotives.

Target group: II,III & IV B.TECH EEE STUDENTS.



**BRIEF REPORT:** Mr. A. NAGA BABU delivered his wonderful lecture on Electric Locomotives and explained about on Lifting beam for locomotive body with stand, Lifting tackle for bogie, Spring testing equipment, Shock absorbers and snubbers testing rig.



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### Alumni Coordination Cell Academic Year 2018-19

#### Alumni Contributions

S.No	Name of the alumni	Dept	Year of graduation	Date	Type of contribution	No of students benefited
1	Mr. P . Madhu	CSE	2010	08-08-2018	SEMINAR	45
2	Ms. P. Swapna Harika	CSE	2018	13-9-2018	SEMINAR	38
3	Ms. Nandhini	CSE	2018	03-11-2018	SEMINAR	35
4	Ms.P .Radha Sree	CSE	2019	13-11-2018	SEMINAR	43
5	Mr.K.Sunandh	CSE	2010	23-01-2019	SEMINAR	48

**Conducted on:**08-08-2018

**Name of the Alumni/Speaker:** Mr. P Madhu

**Designation &Organization:** SR. Software Developer &IBM, Hyderabad

**Topic delivered:** Seminar on Python Programming

**Target group:** II,III&IV B.TECH C.S.E STUDENTS

- **BRIEF REPORT:**Mr. P Madhudelivered his wonderful lecture on Basic of Python Programming. He also explained his real time work experience with students directly. Python Classes and Objects. Constructors in Python Destructors in Python. Inheritance in Python. Types of inheritance Python. Encapsulation in Python. Polymorphism in Python. Class or Static Variables in Python.



**Name of the Alumni/Speaker:** Ms. P Swapna Harika

**Designation &Organization:** JR. Software Developer &Capgemini, Hyderabad

**Topic delivered:** Seminar on Java Programming

**Target group:** II,III&IV B.TECH C.S.E STUDENTS

- **BRIEF REPORT:**MS. P Swapna Harika delivered her wonderful lecture on Basic of Java Programming. She also explained her real time work experience with students directly. Introduction to Java.Classes and Objects.Initialization and Cleanup.Packages and Access Specifiers.Composition and Inheritance.Polymorphism and Interfaces. Collections and Inner Classes.Exceptions.



**Name of the Alumni/Speaker:** Ms. Nandini

**Designation & Organization:** JR. Software Developer & IBM, Chennai

**Topic delivered:** Seminar on Big Data Analysis

**Target group:** II,III&IV B.TECH C.S.E STUDENTS

- BRIEF REPORT:MS. P Nandini delivered her wonderful lecture on Basic of Big Data. She also explained her real time work experience with students directly. The Hadoop Ecosystem.
- Big Data Storage, Big Data Processing, Big Data Visualization, Visual Analytics, Visual Interactive Recommender Systems, Ethics and Privacy in Learning Analytics.





**Name of the Alumni/Speaker:** MS. P Radha Sree

**Designation &Organization:** SR. Software Developer &Infosys, Hyderabad

**Topic delivered:** Seminar on Artificial Intelligence

**Target group:** III&IV B.TECH C.S.E STUDENTS

- **BRIEF REPORT:**MS. P RadhaSreedelivered her wonderful lecture on Basic of Artificial Intelligence. She also explained her real time work experience with students directly. Machine Learning, Neural Networks, Evolutionary Computation, Computer Vision,Robotics,Expert Systems,Speech Processing, Natural Language Processing.



**Conducted on:**23-01-2019

**Name of the Alumni/Speaker:** MR .Sunand

**Designation &Organization:** SR. Software Developer &Tech Mahindra, Hyderabad

**Topic delivered:** Seminar on Cyber Security

**Target group:** III&IV B.TECH C.S.E STUDENTS

- **BRIEF REPORT:**Mr. Sunanddelivered his wonderful lecture on Basic of Cyber Security. He also explained his real time work experience with students directly. Identity and access management (IAM), Firewalls, Endpoint protection, Antimalware, Intrusion prevention/detection systems (IPS/IDS) , Data loss prevention (DLP) , Endpoint detection and response, Security information and event management (SIEM).

