



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

Alumni Coordination Cell Academic Year 2020-2021 Alumni Contributions

S.NO	NAME OF THE ALUMNI	DEPT	YEAR OF GRADUATION	DATE	TYPE OF CONTRIBUTION	NO OF STUDENTS BENEFITED
1	Pragada Chandra Sekhar	MECH	2021	20-02-2021	SEMINAR	36
2	Makireddy Atchiya naidu	MECH	2019	03-03-2021	GUEST LECTURE	46
3	Pediredla Hema Neeraja	MECH	2019	20-03-2021	SEMINAR	34
4	S.M.K.N Gupta	MECH	2018	05-04-2021	SEMINAR	32
5	V Ravi Teja	MECH	2017	20-04-2021	SEMINAR	45

Academic year: 2020-2021

Conducted on: 20-02-2021

Name of the Alumni/Speaker: Pragada Chandra Sekhar

Designation & Organization:

Topic delivered: Vacuum Braking System

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

BRIEF REPORT: Mr. Pragada Chandra Sekhar delivered his wonderful lecture on Vacuum Braking System. He also explained his real time work experience with students directly. And he also explained about the Pneumatic braking systems use compressed air as the force used to push blocks on to wheels. The vacuum brake system is controlled through a brake pipe connecting a brake valve in the driver's cab with braking equipment on every vehicle. A vacuum is created in the pipe by an ejector or exhauster. The ejector removes atmospheric pressure from the brake pipe to create the vacuum using steam on a steam locomotive, or an exhauster, using electric power on other types of train. With no vacuum the brake is fully applied. The vacuum in the brake pipe is created and maintained by a motor-driven exhauster. The exhauster has two speeds, high speed and low speed. The high speed is switched in to create a vacuum and thus release the brakes. slow speed is used to keep the vacuum at the required level to maintain brake release. vacuum against small leaks in the brake pipe is maintained by it.



Academic year: 2020-2021

Conducted on: 03-03-2021

Name of the Alumni/Speaker: Makireddy Atchiya Naidu

Designation & Organization: R&D Engineer (MESLOVA, HYD)

Topic delivered: Split Cycle Engine

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

BRIEF REPORT: Makireddy Atchiya Naidu delivered his wonderful lecture on Split-Cycle Engine System. He also explained his real time work experience with students directly. The Split-Cycle Engine functions by dividing (or splitting) the four strokes of the Otto cycle over a paired combination of one compression cylinder and one power cylinder. Gas is compressed in the compression cylinder and transferred to the power cylinder through a gas passage. Graphene is a 2-dimensional network of carbon atoms. These carbon atoms are bound within the plane by strong bonds into a honeycomb array comprised of six-membered rings. This paper describes that how combining these two may lead to a sustainable future by tackling problems like low mileage and low efficiency of automobile engines leading to low consumption of fossil fuels.



Academic year: 2020-2021

Conducted on: 20-03-2021

Name of the Alumni/Speaker: Pediredla Hema Neeraja

Designation & Organization: JUNIOUR ENGINEER

Topic delivered: Nanorobotics

Target group: III, IV B. TECH MECHANICAL STUDENTS

BRIEF REPORT: Pediredla Hema Neeraja delivered his wonderful lecture on Nanorobotics, He also explained his real time work experience with students directly. And He gave a brief about the Nanorobotics is the technology of creating machines or robots at or close to the microscopic scale of a nanometer (10^{-9} meters). More specifically, nanorobotics refers to the still largely hypothetical nanotechnology engineering discipline of designing and building nanorobots, devices ranging in size from 0.1-10 micrometers and constructed of nanoscale or molecular components. Nanotechnology is so new that no one is really sure what will come out of it. Even so, predictions range from the ability to reproduce things like diamonds and food to the world being devoured by self-replicating nanorobots



Academic year: 2020-2021

Conducted on: 05-04-2021

Name of the Alumni/Speaker: S.M.K.N Gupta

Designation & Organization: ASST. PROFESSOR (AVANTHI ENGINEERING COLLEGE)

Topic delivered: Automatic Gear Transmission System

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

BRIEF REPORT: Mr. S.M.K.N Gupta delivered his wonderful lecture on Automatic Gear Transmission System. He also explained his real time work experience with students directly. And He delivers An automatic gear change device includes a first actuator operation control circuit for controlling the operation of a first actuator, a second actuator operation control circuit for controlling the operation of a second actuator, and a main control circuit for controlling the operation of the first and second actuator operation control circuits. The device further includes a communication line interconnecting the first and second actuator operation control circuits to thereby enable data transmission/reception between each operation control circuit and the main control circuit through the other actuator operation control circuit and the communication line.



Academic year: 2020-2021

Conducted on: 20-04-2021

Name of the Alumni/Speaker: V Ravi Teja

Designation & Organization: JUNIOUR ENGINEER

Topic delivered: Brake Control

Target group: II, III B. TECH MECHANICAL STUDENTS

BRIEF REPORT: Mr. V Ravi Teja delivered his wonderful lecture on Brake Control. He also explained his real time work experience with students directly. And He instigated the lecture An anti-lock braking system (ABS, from German: Anti blockier system) is a safety system that allows the wheels on a motor vehicle to continue interacting tractively with the road surface as directed by driver steering inputs while braking, preventing the wheels from locking up (that is, ceasing rotation) and therefore avoiding skidding stability controls. An ABS generally offers improved vehicle control and decreases stopping distances on dry and slippery surfaces for many drivers; however, on loose surfaces like gravel or snow-covered pavement, an ABS can significantly increase braking distance, although still improving vehicle control. Since initial widespread use in production cars, anti-lock braking systems have evolved considerably. Recent versions not only prevent wheel lock under braking, but also electronically control the front-to-rear brake bias. This function, depending on its specific capabilities and implementation, is known as electronic brakeforce distribution (EBD), traction control system, emergency brake assist, or electronic





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Alumni Coordination Cell Academic Year 2020-2021

Alumni Contributions

S.no	Name of the alumni	Dept	Year of graduation	Date	Type of contribution	No of students benefited
1	B.PAVANI	ECE	2019	02-02-2021	GUEST LECTURE	150
2	MR. L. CHANDRA SEKHAR	ECE	2010	20-12-2021	GUEST LECTURE	150
3	LALAM REVATHI	ECE	2020	20-4-2021	GUEST LECTURE	150



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Conducted on: 20-4-2021

Name of the Alumni/Speaker: Lalam Revathi

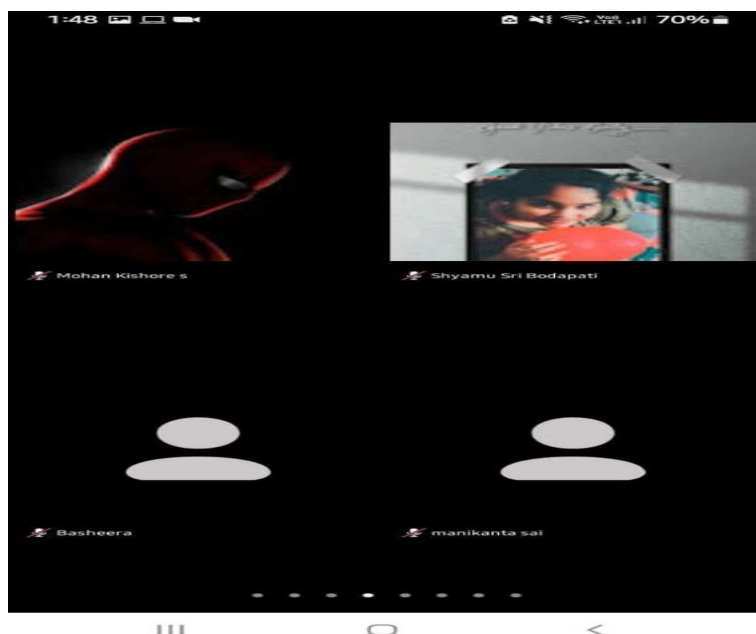
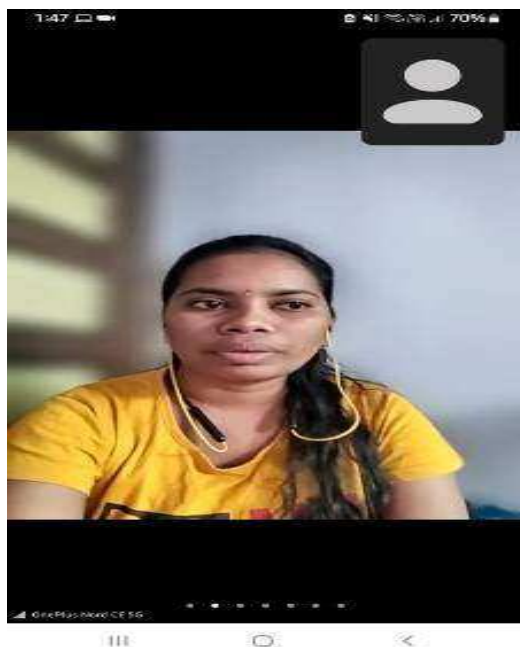
Designation & Organization: Associate System Engineer & IBM India Pvt Ltd

Topic delivered: CYBER SECURITY

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

BRIEF REPORT: Lalam Revathi has taken a guest lecture for 4th year ECE students on

10-4-2021. She demonstrated the subject very efficiently in easy way of understanding. She delivered the topic on cyber security of different conventional approaches







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Academic year: 2020-21

Conducted on: 02-02-2021

Name of the Alumni/Speaker: B.Pavani

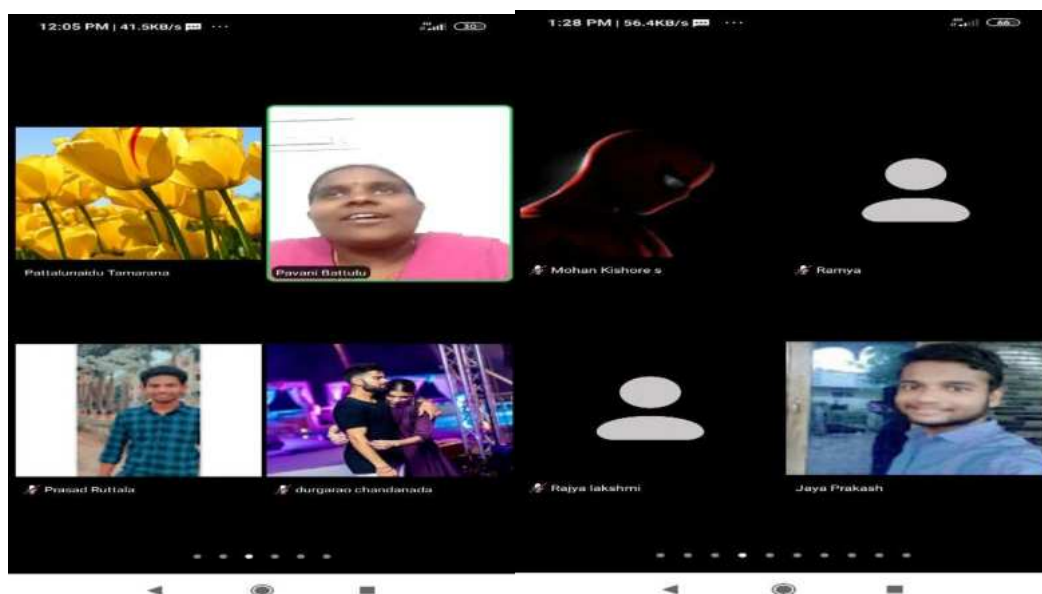
Designation & Organization: System Engineer & TCS

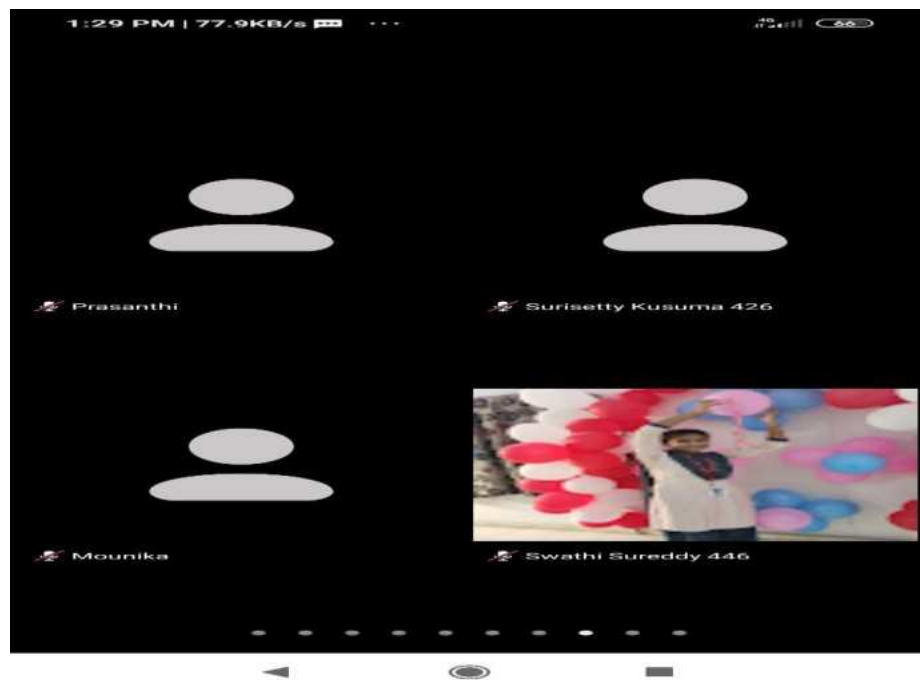
Topic delivered: ENHANCEMENT OF TECHNICAL SKILLS

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

BRIEF REPORT: B.Pavani has taken a guest lecture for 3rd and 4th year ECE students on

02-02-2021. She delivered the lecture very efficiently in easy way of understanding. She delivered the topic on how the technical skills enhance before entering into the project. Also explain what type of courses required for industry.







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Academic year: 2020-21

Conducted on: 20-12-2021

Name of the Alumni/Speaker: MR. L. CHANDRA SEKHAR

Designation& Organization: INV Technologies FOUNDER, CEO

Topic delivered: Precautions to control the Carona

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

BRIEF REPORT: Lalam Revathi has taken a guest lecture for 4th year ECE students on

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Alumni Coordination Cell Academic Year 2020-21

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1	Mr. G. MANIKANTA	EEE	2019	10-11-2020	SEMINAR	45
2	Mr. T, CHAITANYA	EEE	2019	21-12-2020	SEMINAR	43
3	Mr. P. VISHNU VARDHAN	EEE	2020	25-01-2021	SEMINAR	47
4	Ms. C. BHANU TEJESWANI	EEE	2020	22-02-2021	SEMINAR	49
5	Ms. MOHANA PRIYA	EEE	2020	26-03-2021	SEMINAR	45

Academic year: 2020-2021

Conducted on: 10-11-2020

Name of the Alumni/Speaker: G. MANIKANTA

Designation & Organization: Embedded Software Engineer, Nexteer Automotives

Topic delivered: Embedded Systems

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



BRIEF REPORT: Mr. G. MANIKANTA delivered his wonderful lecture on Embedded System and gives over view on how Microcontrollers different from Microprocessor and also explains about GSM Based Energy Meter Reading with Load Control Using PIC Microcontroller, Future Scope on Embedded Systems and their Applications in real time.

Academic year: 2020-2021

Conducted on: 21-12-2020

Name of the Alumni/Speaker: T. CHAITANYA

Designation & Organization: Solution Support Engineer, Effectronics Systems PVT Ltd..

Topic delivered: Smart Signaling

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



BRIEF REPORT: Mr. T. CHAITANYA delivered his wonderful lecture on Smart Signaling Passenger Information System, Public Addressing System, Master Clock and Disaster Warning System in Metro Railways.

Academic year: 2020-2021

Conducted on: 25-01-2021

Name of the Alumni/Speaker: P. VISHNU VARDHAN

Designation & Organization: Executive Trainee, HBL Power Systems.

Topic delivered: Batteries and Power Cells.

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



BRIEF REPORT: Mr. P. VISHNUVARDHAN delivered his amazing lecture on Batteries and Power Cells and Alkaline batteries with the first commercially available batteries, Nickel Metal Hydride Batteries and Lithium Ion Batteries and gives lecture on which batteries used in Mobiles, Inverters, Ups and Electrical Vehicles.

Academic year: 2020-2021

Conducted on: 22-02-2021

Name of the Alumni/Speaker: C. BHANU TEJESWINI

Designation & Organization: Assistant System Engineer Trainee, TCS

Topic delivered:

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



BRIEF REPORT: Ms. C. BHANU TEJASWANI delivered his wonderful lecture on Soft Skills and she explain importance of Leadership Skills, Teamwork, Communication Skills, Problem-Solving Skills, Work Ethic, Flexibility/Adaptability, Interpersonal Skills in Multi National Companies

Academic year: 2020-2021,

Conducted on: 26-03-2021

Name of the Alumni/Speaker: P. MOHANA PRIYA

Designation & Organization: Assistant System Engineer Trainee, TCS.

Topic delivered: Artificial Intelligence

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



BRIEF REPORT: Ms. P, MOHAN PRIYA delivered his wonderful lecture on Artificial Intelligence and gives how artificial intelligence works in Medical industry, Online shopping and advertising, Web search, Digital personal assistants, Machine translations, Smart homes, cities and infrastructure, Cars, Cyber security, Artificial intelligence against Covid-19.



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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



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Alumni Coordination Cell

Academic Year 2020-21

Alumni Contributions

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. Sunand delivered 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).



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