



CHAITANYA BHARATHI
INSTITUTE OF TECHNOLOGY (A)

Kokapet (Village), Gandipet, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO
RESEARCH,
INNOVATION AND
EDUCATION

44
years

Industrial Visits

➤ **Industrial visit to Deccan Auto Limited:**

An Industrial tour was organised for the students of BE VI Sem Mechanical Engineering to “**Deccan Auto Limited**” situated in Patancheru, Hyderabad on 19-05-22. It was a visit for 20 students and 3 staff members – Dr Ashutosh Sahu, Mrs D S Madhuri & Ms. Navaneeta had accompanied them.

It was an interaction between the Industry and the Institution wherein the students witnessed the assembly of various kinds of Buses. The integral parts of the automobile chassis – Frame, Engine, Gear box, retarder, differential, suspension system etc. were shown in a just assembled bus run on Diesel. As the students had taken up Automobile Engineering course in the previous semester, they could practically observe what they had studied in theory. There were many built to suit Vehicles being assembled and were under various stages of development on the shop floor. These gave an insight to the students of how the assembly of a vehicle takes place. Apart from that, the company’s first ever Electric Bus – the prototype of an articulated Bus was shown. The different parts of the Electric Bus were exhibited, and their working was discussed in detail. The officials were very friendly and had demonstrated the various models manufactured by their company. At the end of the tour, there was a fun ride arranged for the students in the prototype vehicle along with some refreshments.

Overall, it was an enriching experience for the students and the staff alike.





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➤ **Industrial visit to PENNAR INDUSTRIES Patancheru, Hyderabad:**

The students of production engineering of CBIT visited Pennar industries which is located at Patancheru, Hyderabad on 19/05/2022. Totally 25 students visited the industry along with 3 faculty members Dr BVS Rao, Asst Professor, Mrs Sandhya and Dr Kiran Kumar, Asst Professor from the Mechanical Engineering Department. The students saw various manufacturing facilities and understood processes involved in making components like Compressor casings, Pulsar motorbike - disk brakes, Railway coaches etc. The students were also shown the tool room meant for making dies and punches.

This visit increased the industry- Institute Interaction and also helped in preparing the students to face future challenges in real life. Also, opportunities for future collaboration and project works were discussed during the visit.





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➤ Industrial visit to BHEL:

60 students of Mechanical Engineering of CBIT have visited BHEL, RC Puram on 12 May 2022 under the supervision of faculty members, Dr. BVS Rao and Dr Indira Priyadarshini, and Technician Laxman. They saw various manufacturing facilities and products like compressors, gas turbines, heat exchangers and generators manufactured at BHEL, RC Puram.





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➤ **Industrial visit to RENEW SYS INDIA PVT LIMITED:**

Students of CBIT have visited Renew Sys India Pvt Limited located at Maheshwaram, Hyderabad on 12/5/22 and 13/5/22. Totally 60 students from III-year Mechanical engineering visited the Plant. Dr G ChandraMohan Reddy, Dr BVS Rao, Dr VVR Sheshagiri Rao, Dr RP Choudary, Dr Indirapriyadarsini and Mrs P.Anjani Devi accompanied and guided the students in the trip. RenewSys is the first integrated manufacturer of Solar PV Modules and its key components - Encapsulants, back sheets, and Solar PV Cells. **Its sales offices are present across the world** and today RenewSys has become a global contributor to the solar revolution supplying to over 40 countries worldwide. The trip provided an opportunity for students to interact with the professionals and corporates, bridged the gap between classroom theoretical training and practical learning in the real-life environment of Industries.





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Industrial visit to Solar Power Plant Raichur for Mtech Thermal Engineering students have been organised by Dr. P.V.R. Ravindra Reddy (HOD), Mrs. Y. Nagini on 17th March 2022.



Indian energy industry is experiencing a major reform in power sector. As a part of Jawaharlal Nehru National Solar Mission (JNNSM), 175 GW worth of power plants from different renewable sources is expected to be added towards mitigation of climate change and to meet power requirement of the country. After witnessing 1 GW worth of solar PV plants in Gujarat, solar PV technology has emerged as a reliable renewable energy source in India. JNNSM has put a major thrust on installation of a total 100 GW capacity of solar photovoltaic (PV) plants. Karnataka is a rich state in terms of annual quantity and availability of solar radiation. The state is blessed with good amount of solar irradiation that varies from 5.4 to 6.2 kWh/m²/day.

The Yalesandra SPV plant is a 3 MW (DC) capacity solar power plant. It is further divided into 3 segments of 1 MW (DC) each. This is further divided into four segments of 250 kW (DC) capacity of solar PV array each. The 250 kW DC array is served by one inverter of 250 kW capacity. Thus, there are twelve 250 kW inverters. Moreover, depending upon the wattage of modules, 1 MW plant has either 45 or 46 strings of solar PV modules, each of which is having 24 solar PV modules. Output from four inverters 0.415 kV is stepped to 11 kV through one 1.25 MVA transformer. There are three such transformers in the plant.

Given below as a picture of attending the industrial visit along with the concerned faculty and assisted by laboratory staff.



- 1) Y. Nagini (associate professor)
- 2) Sreenivas (Lab Assistant).
- 3) M. Abhiram (1601-21-745-101)
- 4) R. Sai kiran (1601-21-745-102)
- 5) Yousuf Khan (1601-21-745-103)
- 6) Aasim Nouman (1601-21-745-104)
- 7) G. Arun Kumar (1601-21-745-105)
- 8) A. Vamsi Vardhan (1601-21-745-108)



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➤ **Industrial visit to BDL, Kanchan Bagh, HYD:**

The students of III SEM Mechanical branch visited a product Exhibition, which was organized by BDL at Kanchan Bagh, Hyderabad on 17 December 2021. This exhibition was organised to commemorate 75 years of India's independence as a part of 'Azadi Ka Amrit Mahotsav' being celebrated by the Nation.

Hon'ble Raksha Mantri Shri Rajnath Singh virtually inaugurated the exhibition at 75 locations spread throughout the country. The students saw different showcasing models of BDL like Anti-Tank Guided Missiles, Surface-to-Air Missiles, Air-to-Air Missiles, Missiles Launchers, Underwater weapons, Counter measures etc. This visit to BDL enabled students to help them learn about the types of Missiles which are produced in India.







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- **Industrial visit to Wagon Workshop, Visakhapatnam** for M.Tech Thermal Engineering Students have been organized by Dr. M.V.S. Murali Krishna (HOD), Mrs. Y.Nagini on 6th March 2020.



- **Industrial visit to Hindustan Shipyard Ltd., Visakhapatnam** for 3rd year Mechanical and Production Engineering Students have been organized by Dr. M.V.S. Murali Krishna (HOD), Dr. P. Prabhakar Reddy, Mrs. Ch.V. Sushma, Mr. D. Ravi, Mr. P. Surendar Reddy, Mrs. D.S. Madhuri, on 25th December 2019.





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➤ Synopsis of Alumni Activities in MED in 2021:

The mechanical department of CBIT has conducted interactive sessions with seniors of 2019, 2020 and 2021 passed out batches. These CBIT Alumni have interacted with the 100 plus students who are pursuing Mechanical Engineering and have shared their rich experience for the benefit of the future aspirants. The Alumni speakers were from prominent companies like BYJUS, HYUNDAI, TECHNIPFMC, HYUNDAI TRANSYS, GODREJ and HUL.

A guest lecture was conducted by our Alumni of 1992 batch, Mr Vikas Jain, Vice President, Reliance Industries Ltd., on the occasion of Superannuation of Mr B Suryanarayana, Associate professor, MED, CBIT on 30 Sep 2021. The topic of guest lecture was related to Supply Chain enabling Modern Retail logistics. This session has benefitted 100 plus students in raising their awareness and understanding the current business model.

An Online awareness session on MS programmes was arranged on 28 Nov'21 for the benefit of the students who would like to pursue MS programmes in future. The interaction session was delivered by our Alumni Mr Srujan of 2019 batch, who is presently pursuing MS in Supply Chain Engineering at Georgia tech, USA.

Mechanical Engineering has organised Guest lectures on World Entrepreneurship Day celebrations at CBIT.

The following Guest lectures were delivered in connection with World Entrepreneurship Day celebrations at CBIT.

A guest lecture was delivered by Mr. Venkatesh Yerramalla, CEO, Confluence Centre for Sustainable Development on 19 Aug 2021. He is an Alumni of 1992 batch. Mr Venkatesh spoke on the topic Building successful Start-ups. During his lecture he emphasized on market validation, design thinking, partnering, and entrepreneurial learning for making a start-up successful. He also discussed about the Business model canvas and its importance. Mr Venkatesh also said that the entrepreneurs should develop passion and must analyse and understand the customer thoroughly. The programme was attended by about 200 students.

On 24/08/2021 there was an interactive session on the topic “Entrepreneur in current scenario opportunities and challenges by Mr. Prasad Kandimalla MD & CEO, LAZULINE BIOTECH PVT LTD. Mr Prasad is an alumni of 1992 batch. In his talk Mr. Prasad said Entrepreneurship is a philosophy and opportunities would always exist. He also said that opportunities can be created by doing things differently. In his lecture he



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focused on 5 R's and 4 S's i.e. Research, Resources, Relationships, Risk and mitigation and role models – Strategy, sustainability, standards, and scalability.

Mr. Navneet Kumar who is the Executive Head, Hexagon Capability Centre, delivered a lecture on “Entrepreneur outlook in organizations - possibilities and constraints” on 24/08/2021 in the second session. Mr. Navneet is an alumni of 1991 batch. He compared the rolls of Entrepreneur and Employee and discussed how an employee in an organization can have an entrepreneurial outlook. He also emphasized on how an employee can add value to an organization. He gave examples of entrepreneurs like Ambani, Sekhar Kammala, Dr Malkonda Reddy and like A.P.J Abdul Kalam.

9/30/21, 11:55 AM

Meet - Alumni guest lecture by Sri Vikas Jain on Supply Chain Management

REC



071-reenija



Dr.B.V.S.Rao Assistant Prof...



Vikas C Jain



Mechanical HEAD



Prof. N V Srinivasulu



093-Rishab Erramilli



062-Divya Sirigeri



Sawanth 101



SAHITHI EAMANI



TejaGotNoChill



072-Sri Chandana Reddy



Dr.S.Solomon Raj Assistant Profess...



43 others



You



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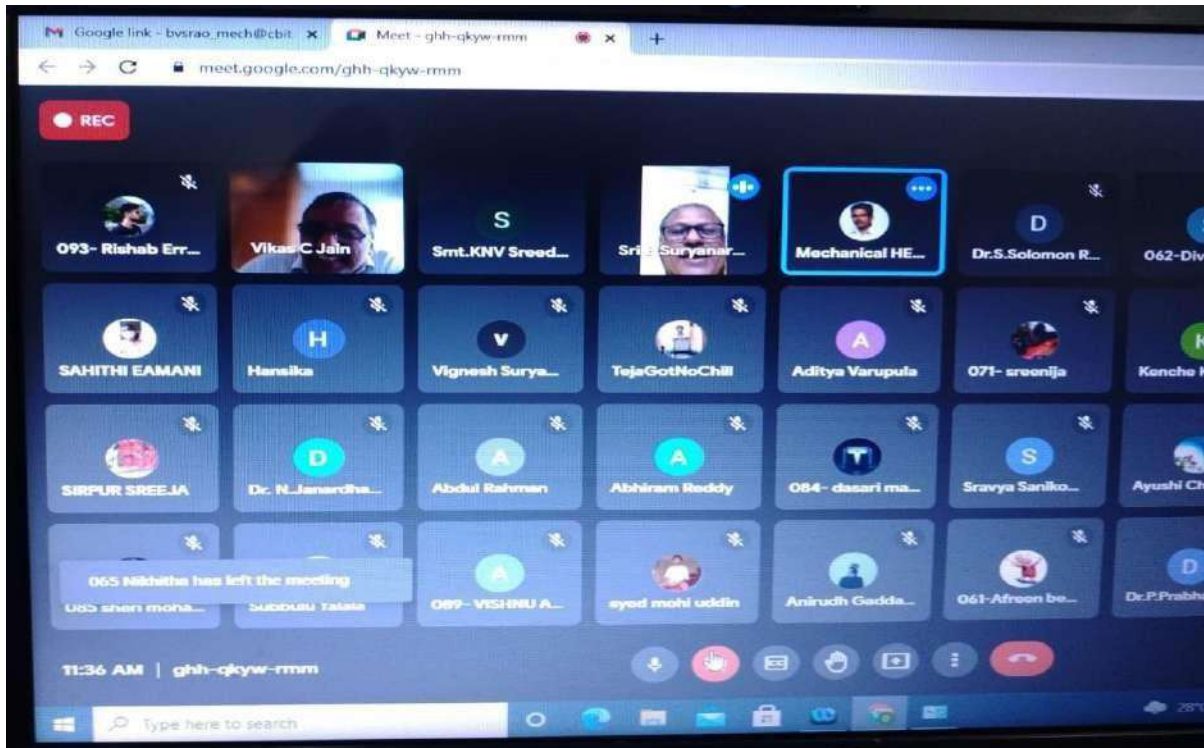
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- As part of Institute Alumnimeet-2019 "Rejoicing Reunion", coordinators have communicated to all the alumni and invited them to visit the Department on 25-12-2019.





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Chief Guest felicitating Principal Dr P. Ravinder Reddy with memento.



Felicitating Alumni