

Department of Mechanical Engineering
Report

Five Day Faculty Development Program on “Robotics and Automation”

In the continued effort to improve the quality of education delivered to the students and to keep the knowledge of the faculties updated to the latest technologies, the faculty development programs are conducted on regularly in the department of mechanical engineering. In this process a five day FDP was organized by the department of mechanical engineering EPCET on the topic “Robotics and Automation” from 21/03/2022 to 25/03/2022

The inauguration started on 21/03/2022 at 9:30 in the Mechanical seminar hall in the presence of the dignitaries. Faculties from colleges in and around Bangalore were present for the event. Dr. Harishanand K S, HoD, Department of Mechanical Engineering, EPCET welcomed the guest and the gathering the guest included the Dr. T K Sateesh - Principal, EPCET, Dr. Yogesh G.S - Vice Principal, EPCET, team of expert from Elite techno group that included Mr. Umang Surana - Co-founder & Students Relations Head, ETG and Mr. Arbaz Shaikh-Sr. Research Associate, ETG and Mr. Abishek - Sr. Research Associate, ETG

After a short tea break the session was started by Mr. Arbaz Shaikh from Elite Techno Group on Current scenario and futuristic trends in the electric vehicle technologies, Indian engineering industry market needs and the current and future plans of the EV market was discussed in the session

The second day (22/03/2022) session was continued by the team from the elite techno group and Mr. Arbaz sheikh continued with the topic on specialization programs offered in Electric Vehicle he discussed on different innovations in the field of electric vehicles and how the robots are assisting the development of the vehicles. The second session of the day was taken by Mr. Umang Surana, where he discussed about the Career & Growth in the field of electric vehicles and how new entrepreneurs are coming up with the newer products to the market.

The third day (23/03/2022) session was started by the next set of experts from Yuken India namely Mr. R. Sridhar Head-Hydraulic School, Yuken India Limited and his Team. Mr Sridhar discussed on the hydraulic systems and showcased their products and explained the mechanisms involved in the system. After the session Mr. Sridhar addressed the questions from the audiences and cleared the doubts effectively.

The fourth day (24/03/2022) was an industrial visit. The Participants visited Shetron India Limited, where the team headed by Mr. Srinivas took the participants for the board room where the initial introduction to the company and its products was presented to the audience and later the participants were taken to the shop floor to see the different equipments and the assembly line that are employed and showed us how the industries optimised the assembly line for mass production.

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The fifth day (25/03/2022) was again a industrial visit. the participants visited M/S Fine Tools limited and the the participants were given a brief introduction to the company and then taken to the shop floor. In the shop floor the participant saw the different automation employed in the manufacturing and how robots have taken the manufacturing to the next level.

Photo Gallery

	
<p style="text-align: center;">HoD welcoming the dignitaries on to the dias</p>	<p style="text-align: center;">Group Pic with the ETG team</p>
	
<p style="text-align: center;">Group pic with Yuken India Team</p>	<p style="text-align: center;">session by the expert from Yuken India limited</p>
	
<p style="text-align: center;">visit to Shetron India pvt limited</p>	<p style="text-align: center;">visit to Fine Components and tools Pvt Ltd</p>

Report of Seminar on Unmanned Aerial Vehicle (UAV)/Drones

A seminar on Unmanned Aerial Vehicle (UAV)/Drones was conducted by department of Mechanical engineering along with the department of Electronics and Communication engineering in the ECE seminar hall. The program was presided over by Smt. Ramadevi B L, Chief Patron, East Point Group of Institutions (EPGI) in her absentia. Sri Pramod and Sri Rajiv Gowda, CEOs of EPGI were welcomed in their absentia. Dr Peter Francis, Secretary M G Charitable Trust and Dr Prakash S, Senior V P, EPGI were also welcomed in their absentia.

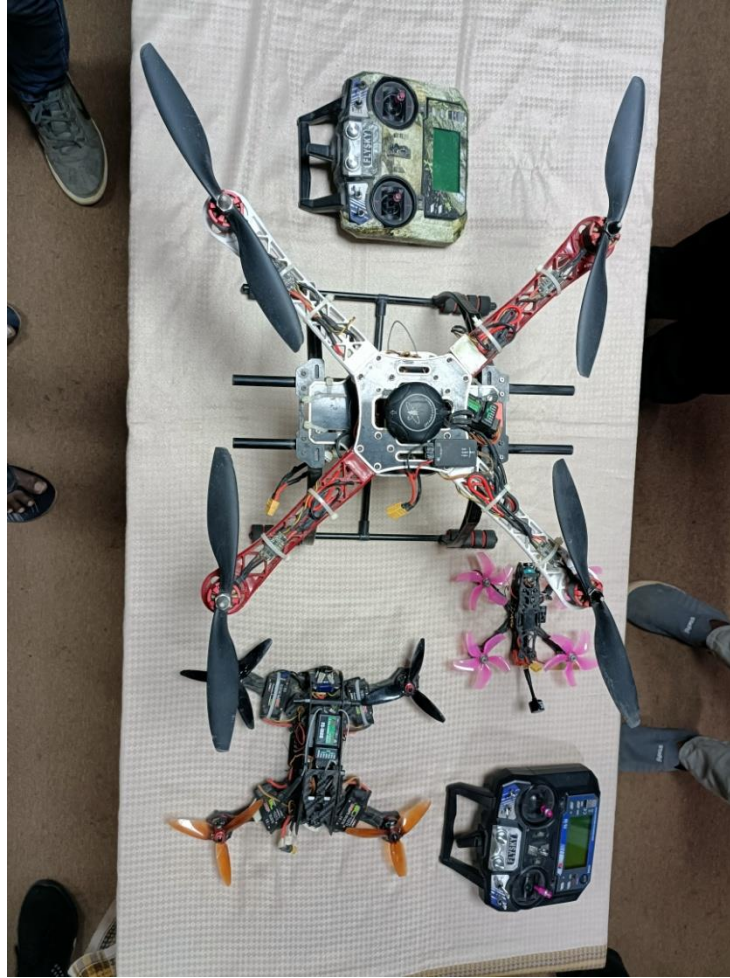


Guest and other dignitaries lighting the lamp

The guest speaker was welcomed with a bouquet by our young and dynamic principal(I/C) Dr Yogesh G S. Dr S V Prakash, HoD Mechanical who was instrumental in bringing such a seminar to the students and faculty of East Point College of Engineering and Technology (EPCET), Bangalore. This seminar served as a platform in the continued effort to improve the quality of education delivered to the students and to keep the knowledge of the faculties updated to the latest technologies.

The guest speaker for the day was RadhaKrishnan P Sr. Technical Officer III, National Aerospace Laboratories (NAL), Bangalore. He with vast knowledge and experience delivered a wonderful seminar on drones. Wherein explained various types of drones. Ranging from 'nano-sized' drone to larger variants.

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Various types of drones on display

The guest speaker then had an interaction with our students, where students had a hands-on with operating a UAV/Drone. With this the program culminated and vote of thanks was given by Dr Sahadev.



Guest Speaker interacting with students

The seminar was eye opener for many students. It appears to have given the students an inspiration to not only fly UAV/drones. But, also to fabricate and assemble them.

Five day Faculty Development Program (FDP) on Engineering Visualization

The department of mechanical engineering has held a faculty development program from 20th September 2022 to 24th September 2022. The faculty members and students of EPCET, Bangalore had attended the event. The inauguration began with the blessings of Smt. Ramadevi, chairperson, EPGI in her absentia.



Guests and other dignitaries inaugurating the FDP by lighting the lamp

The inaugural ceremony was presided over by Dr J S Mathur, Director R&D, EPGI, Dr S V

Prakash, HoD, Mechanical and Mr. Manohar S N, software trainer from Altem Technologies Pvt. Ltd. The master of the ceremony was Dr. Bharath K Bhat, faculty in the department of Mechanical Engineering. The program was attended by large many students and faculty members in the department of Mechanical Engineering at EPCET, Bangalore.





Valedictory of FDP

Computer aided design softwares pertaining to engineering visualization like Apex and ADAMS were demonstrated and hands on experience were provided by Mr. Manohar S N, Application engineer at Altam Technologies Pvt. Ltd who was the software trainer for the five days. The attendee students and faculty members were greatly benefited by the knowledge shared during the five days.

We would like to thank Dr. Ravindra Malgi, Professor, VTU, Belagavi and Dr. Karisiddappa, Vice chancellor Visveswaraya Technological University, Belagavi for providing our institute with benefit of these extremely useful softwares. The department of Mechanical Engineering is greatly indebted to them.

The softwares included would help the students in their projects and the faculty in their research. We at the department of Mechanical Engineering at EPCET, Bangalore are looking forward to utilize the