

SARVAJANIK UNIVERSITY

Faculty of Science

Shree Ramkrishna Institute of Computer Education & Applied Sciences

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REPORT ON

**Three days workshop on “Future Technologies: Robotics, AI, 3D Printing & Drone”
collaboration with IHFC & IIT-Delhi**

Event/ Activity Name :- Three days workshop on “Future Technologies: Robotics, AI, 3D Printing & Drone” collaboration with IHFC & IIT-Delhi

Date :- 27th-Feb-2025 to 1st-March-2025

Venue :- Shree Ramkrishna Institute of Computer and Applied Science, Surat

Aim/purpose: The Three days workshop was organized by Department of Computer Science with the collaboration – IHFC(I-Hub Foundation for Cobotics) & IIT-Delhi to guide students for basic understating for working with Robotics, 3D printing and Drone with AI applications.

No. of Days :- 03

Details of the event/ activity: This three-day workshop was organised for S.Y. B.Sc., T.Y. B.Sc. IT/CS , Msc IT/WMT/AC sem-2 students of Computer Science Department and BCA students of SCCI. The event was scheduled for three days 10.00 AM to 4.00 PM. Total 57 students had participated from both Institutes.

Mr Parth Borad, Robotics & AI Trainer, Tech Genius and team conducted three days sessions in workshop. They gave basic technical understanding about working structure of Robotics, 3D Printers and Drone. On Day one, Mr Parth Borad introduced the fundamentals of robotics and guided students through the working of Arduino Uno. On Day Two, participants built a car parking system using Arduino Uno and explored 3D printing under the expert guidance of Mr Savan Fefar, 3D Printing Expert & PhD Scholar, SVNIT & Mr Parth Borad. They demonstrated the sample creation using 3D printer. Finally, on Day 3, students gained valuable insights into drone technology, aircraft and missile technology, understanding their design, aerodynamics, and automation. They explained AI applications used to manage Robotics, 3D Printers and Drone. They also gave hands on practice with IoT platforms, sensors and other applications.

During the event, experts were greeted and felicitated by Ms Lavleena Stephens and Ms Meghavi Teaching Faculties, Computer Science Dept.

This workshop provided a perfect blend of theory and practical application, empowering students with skills for the future of automation and aerospace!

Signature of event/ activity co-ordinators :-

Mr Jayesh Pushtiwala (Head, Dept of Comp Sci)

Dr Charmy Patel (Student Activity, Dept of Comp Sci)

Ms Shweta Bhatia (Dept of Comp Sci)

Ms Lavleena Stephens (IoT Club, Dept of Comp Sci)

Ms Meghavi Dave (IoT Club, Dept of Comp Sci)

