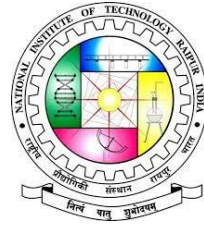# ROBOTiX CLUB
National Institute Of Technology, Raipur

Professor In-Charge, ROBOTiX Club	**ROBOTiX Club** is the Robotics outreach of NIT Raipur. The club was founded in the year 2014 with the purpose of developing technological skills in the diverse fields of mechatronics and robotics by transcending the theoretical knowledge into live applications to provide modelled solutions for real-world problems.
Dr. Rajesh Doriya **Contact No.:** +91-7805984189 **Email Id:** rajeshdoriya.it@nitrr.ac.in	The Club ignites creativity and passion towards this promising and fast-developing area by organising workshops throughout the academic session and events in the college's technical fest AAVARTAN. The club provides an ambience for students to prepare and to showcase their skills at robotics events held all across India and Asia in various colleges with the aim to add more feathers in the cap. The ultimate goal of ROBOTiX Club NIT Raipur is to educate more students and make robotics an everyday phenomenon.

Events organized during the academic year 2017-18

Click Club, NIT Raipur'17

Click Club, NIT Raipur'17

Session on Manual Robotics

Date: 18th August 2017

Mechatronics plays a major role in all technological endeavor these days.
Arduino is one of the most widely used development board of the industry and thus it is essential to start learning more about robotics in general from this little piece of silicon.
In this session, members of Robotix Club introduced the importance of Arduino and Embedded systems and the power they bring in with actuators and sensors.

More than 150+ students from various colleges attended the session.

Speakers of the session: Shubham Gupta and Pranay Sahu.

एनआईटी में एयरोमॉडलिंग शो, ड्रोन बनाने और उड़ाने की दी लाइव ट्रेनिंग

सिटी रिपोर्टर | रायपुर

नेशनल इंस्टीट्यूट ऑफ टेक्नोलॉजी (एनआईटी) में एयरोमॉडलिंग शो रखा गया। इस दौरान क्वॉर्ड कॉप्टर टेक्नोलॉजी पर स्पेशल सेशन भी हुआ। स्टूडेंट्स को ड्रोन का मैकेनिज्म समझाया गया। टेक्नोलॉजी के अलावा ये दिलचस्प जानकारी

भी दी गई कि चार पंखों पर उड़ने वाली इस चीज को ड्रोन क्यों कहते हैं। दरअसल, ड्रोन का हिंदी में अर्थ होता है, नर मधुमक्खी। मधुमक्खी की तरह ही उड़ान भरने की वजह से इसे ये नाम दिया गया है। ये एक जगह पर स्थिर भी रह सकता है। **पहली बार ऑस्ट्रिया ने किया यूज :** ड्रोन का इस्तेमाल पहली बार

ऑस्ट्रिया ने वेनिस पर बम बरसाने के लिए किया था। फर्स्ट वर्ल्ड वॉर में फ्लाइंग बम यूज किए गए थे। ये असल में बिना पायलट के प्लेन थे, जो टारगेट पर जाकर फट जाया करते थे। यही मॉडर्न टेक्नोलॉजी में ड्रोन के रूप में सामने आए। वर्कशॉप के आखिर में स्टूडेंट्स को ड्रोन बनाने की लाइव ट्रेनिंग भी दी गई।

Workshop on Drone Technology

Date: 16 - 17th September 2017

The Unmanned Aerial Vehicle (UAV) / Drone technology and science in the widest aspect covers everything from the DESIGNING of the drone, materials used in the physical UAV, to the circuit boards, chipset and software which acts as the brain of a drone.

To help the young and innovative minds develop this scenario, ROBOTiX CLUB organized a workshop on Drone Technology and Construction at NIT Raipur.

More than 120+ students from various colleges attended the session. An interactive quiz was conducted at the end of the session. the winner team was awarded a Quadcopter worth 8000/-INR.

Aavartan 2017

Date:7th - 8th October 2017

Robotics Club organized and managed 4 events:
1) Robo Soccer
2) Maze Runner
3) Terrain Treader
4)Diabolic Dumper.

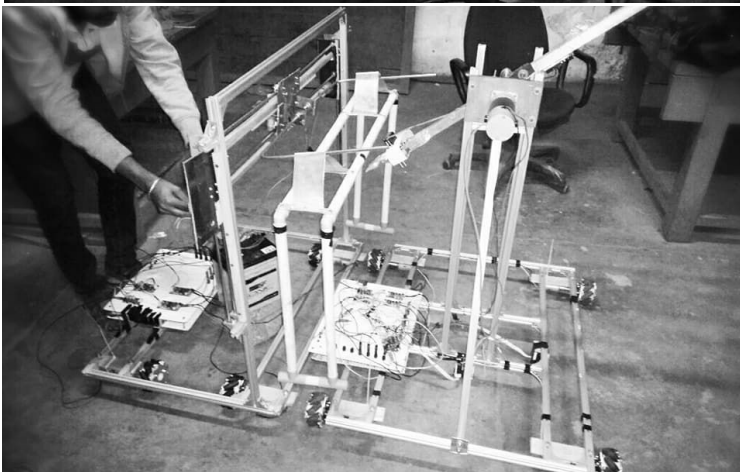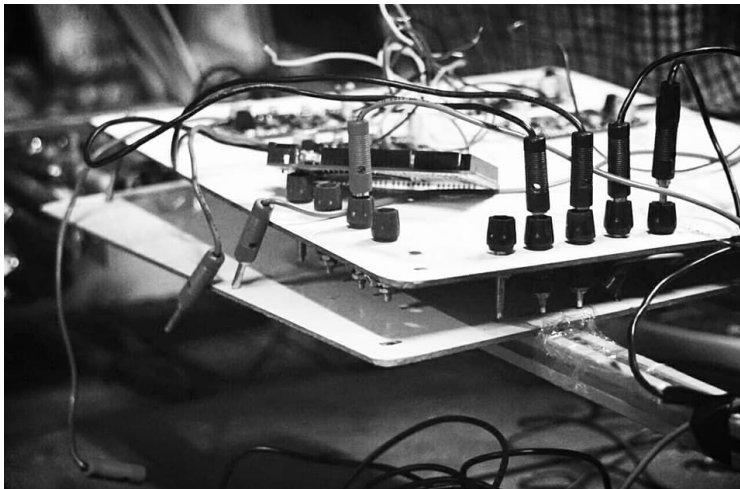These events witnessed participation from more than 20 colleges from entire Chhattisgarh.

Session on Robotics with AI

Date: 11th January 2018

Artificial Intelligence and Robotics are the new tools of human evolution! ROBOTiX CLUB organized a session on Robotics with Artificial Intelligence.
More than 130 students from various colleges attended the session.
Speakers of the session: Shruti Pandey, Rohit Agarwal and Rohit Bajaj.

ABU Robocon 2018

Date: 1st -3rd March 2018

ABU ROBOCON, is the largest robotics competition, which brings together technology and culture, with the theme "NÉM CÒN: The Festival Wishing Happiness and Prosperity".

Our team RCON 2, from NIT Raipur consisting of 30 members, comprised of students from all 4 years and various branches like Mechanical, Electrical, Electronics, Information Technology to name a few, participated in this competition with the sole aim of practical learning.

The dream is on wheels powered by our will to rise and shine. Team RCON worked hard and left no stone unturned to.

Team RCON 2 stood 83rd among all the teams that participated throughout India.