पारित खच्च मध्यमों - प्रतिष्ठान ही धर्म है।
अर्थात्, सूर्य और मंदिर के पथ पर चलता,
वहीं है, जीव का प्राकृतिक कराराम।
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VISION
To impart education in Engineering and Management with training, skill upgradation and research in futuristic technologies and niche areas.

MISSION
The mission of the institute is developed around the guiding principles listed in the following Mission Statement:

- To develop the professionals having basic and advanced competencies so that they can serve the Society and Industry and face the global challenges.
- To impart education based on the latest knowledge, analytical skills, management competence through advanced methods of Training, Research and a strong institute-industry interface.
- To help create innovative and entrepreneurial professionals.
- To inculcate strong moral values for a disciplined professional growth.

The mission is to contribute to the society through the pursuit of teaching, training, and research at the highest levels of excellence. We strive to maintain an environment which facilitates the faculty and staff to a state-of-art teaching-learning pedagogy and encourages the students to develop competencies for learning reinforced with:

- State of the art infrastructure
- Industry-Academia Interface
- Faculty and staff development programs
- Research & Development activities
- International Collaboration
- Moral values and ethical behavior

OBJECTIVES

1. To produce technical professionals abreast with competencies, mindset, and ethical values synchronous with the futuristic requirements of global business scenario to strengthen the national economy.
2. To design, develop and implement curricula of various programmes using dynamic and responsive processes, in tune with the needs of the global industry and economy.
3. To ensure an environment where students, faculty, and staff are encouraged to enhance their intellectual curiosity and improve their technical and professional skills through Faculty Development / Value Added Programmes.
4. To strengthen the research programme in various fields to cope up with the growing demands of both industry and academia.

QUALITY POLICY

1. Quality education along with all-round development in a congenial atmosphere tapping all possible resources and through tailor-made systems.
2. Turning out competent graduates and postgraduates to cater to the current job requirements at the national & international level and preparing them for future challenges.
3. Continual up-gradation of facilities and human resources with a commitment to strive for continual improvement for the benefit of the students, faculty, and staff.
4. Continuous review and up-gradation of existing systems leading to further improvement in the quality of students, faculty, and staff.

FEEDBACK LOOP

COER values the views of stakeholders like industry, students, parents and alumni to further improve the quality of education and life on the campus.
Our Inspiration

Seth Roshan Lal Jain was born in 1917 at village Kherla, District Baghpat, Uttar Pradesh. He took up his ancestral khadi business. The fact that he was known as “Seth Ji” of was a reflection his popularity. He was also an honoured scholar of the Jain philosophy. His emotional strength was Smt. Taravati Jain, his wife, who supported him in all his endeavours to build Jain Institutions in Kherla. As a couple, they were dedicated to spreading of karuna to human beings and other living organisms. They both had the vision to create institutions for enhancing value-based education.

To the inspiring memory of Late Seth Roshan Lal Jain and Smt. Taravati Jain, his son Shri Jivesh Chandra Jain, with his wife Smt. Sunita Jain and their nephew Shri Subhash Jain created Seth Roshan Lal Jain Trust which is dedicated to the spread of technical education in North India.

Shri J.C. Jain, Chairman of College of Engineering Roorkee (COER), and Seth Roshan Lal Jain Trust is a visionary who has dedicated his life to the betterment of society. He is also known as the Encyclopedia of Jainism.

He obtained B.E. in Mechanical Engineering from Gwalior in 1969 and M.Tech in Production Engineering from BITS Pilani in 1971. He founded Texplas India Pvt. Ltd. in 1975 for advancements in the field of manufacturing. He also established VIE Infratech India Ltd. in 2012. Shri J.C. Jain has contributed his might as the President, SIDCUL, Industrial Association, as State Chairman, CII and in several other roles. Aside from being an active member of Digamber Jain Samaj at the National level, he is also serving as the President of Shri Shambhude Shikhar Development Committee of Sodans Kendra Badrinath Ji and of Vatsalya Vatika.

With the magnificent success and outstanding accomplishments of College of Engineering Roorkee (COER), his vision has now become the synonym of quality technical education in India. As a recognition of his contribution towards Education and Industry, he has been honored with various awards by several leading societies and institutions, some of them being: Udhyog Patra Award (1983), Udhyog Ratna Award (1990), Uttarakhand Ratan Award (2008), etc. In 2014, Sammedchal Foundation has conferred him the title of “Jain Shiromani’ and ‘Jain Samaj Ratan’. Mahamana Award by Horror Governor Smt. Baby Rani Mourya on December 25, 2018, for his long-term leadership role for development of the Nation.

He has a deep interest in quality education & the development of youth who can become the responsible citizens of tomorrow and lead the world. His zeal and inspiration have taken his dream project, COER to towering heights. After the success of College of Engineering Roorkee, his interest in education has deepened. He is now planning to have linkages with leading world-class institutions.

The only way of finding the Limits of Possible is by going beyond them into the ‘impossible’.
VICE CHAIRPERSON

Smt. Sunitha Jain is serving as the Vice-Chairperson of College of Engineering Roorkie. She graduated M.A. Maths, and specialized in Operation Research from D.U. As the Vice-Chairperson of COER, she has played a stellar role in shaping up the institution and developing strategies to hone the skills of the students through quality education. She has invested hard labour in all the ventures of COER with immense enthusiasm and zeal. Education, according to her, not only assists in exposing and exploring the hidden mysteries of each human but also helps in developing moral values and rational thinking in a society.

She is associated with many social organizations and playing a key role towards the betterment of the society. She has been actively and constantly involved in ameliorating some of the despicable social issues. Young at heart and mind, she is an educationist, a patriot and a devoted mother. Her personality is an amalgamation of various qualities which emanate knowledge, strong leadership, experience and positivity. She is presently the Chief Patron to the Karuna Club at COER, Roorkee.

SECRETARY

Shri Subhash Jain, the Secretary of Seth Roshan Lal Jain Trust is a leading and well-known Tax Consultant of the region. Mr. Jain holds various respectable posts in various organizations in Uttarakhand and U.P. For his innovative services and contribution to society in the field of education Mr. Subhash Jain has been honored with Prestigious ‘Gyan Bharti Puraskar’ and Rashtriya Vidya Saraswat Puraskar 2007. He has been adornmed with Rani Laxmi Bai Smriti Samman 2007 and Lifetime Education Achievement Award-2008. He was honoured by Shri Kapil Sibal then Minister of HRD, Govt. of India, New Delhi for distinguished services in the field of Education 2008-2009. He is associated with several social and cultural organizations including Rotary and Jain Samaj in Ghaziabad.

MANAGING DIRECTOR

Shri Shriyantr Jain is currently contributing to COER as its Managing Director. He is also serving as the Director, Teepals Group of Companies, Haridwar. He had his initial schooling at DPS, Ranipur, Haridwar and later he went to St. John’s Mussoorie and Le Rosey, Switzerland. After schooling, he continued at the University of Manchester for pre-engineering in Mechatronics and later shifted to Grenoble, France for International Business studies from Grenoble Graduate School of Business (Ecole Superior de Commerce) and also from Indian Institute of Foreign Trade (IIFT), New Delhi.

He is a very vibrant, young and dynamic professional full of zeal, enthusiasm and humility. He always believes in achieving excellence in all walks of life. He has a vision to see COER 2020 as an institution of higher excellence in Engineering and Management Education and has visualized it to convert it as a center for advanced research in Engineering and Management.

EXECUTIVE DIRECTOR

Smt. Chana Jain is currently contributing as its Executive Director. College of Engineering Roorkie is committed to achieve excellence in Technical, Management, Medical & Research and assesses the success and leadership of its programs using the highest standards of quality, innovation, and visibility. Our goal is to be the most preferred choice of students, faculty & industries and to be in the top in every discipline of Engineering, Management and Medical. Our aim is to achieve global leadership in human development & excellence in education. Our objectives of imparting professional education, combined with fostering innovative thinking, application of knowledge, cultivating professional ethics and consciousness to social responsibilities, are being met at COER in an integrated form. We wish to encourage & promote research activities & integrate it with the teaching-learning process. We believe in lifelong learning & training leading to benefits for the society.

I am confident that with the concerted efforts of team COER, the group will scale up to the greater heights of excellence in the years to come. COER, plays a vital role in producing world-class engineers, doctors and management professionals. required to meet the demands of the fast-changing global society. Our vision is impacting society through globally competent technologists with the primary objective to provide a quality education through long-term value creation. Apart from curriculum-based studies, the emphasis is made on the promotion of innovative-driven projects, interaction with industries, soft skill & personality development, co-curricular and extra-curricular activities.

Our core values of knowledge, character, excellence, integrity, transparency, quality, teamwork, execution with passion, trust, continuous and student-centric learning are all closely integrated into our academic programs. We have over 15000 Alumni who occupy coveted positions both in India and abroad and are a source of pride and inspiration to us. Being a leader in the industry is our common goal. We plan to expand existing programs & promote industry-relevant projects. R & D and consultancy to raise the overall standard as well as to bridge the gap between academic & industry requirements. With excellence in education & research activities, we aim to make the group visible globally.
DIRECTOR GENERAL COER

Dr. Satya P. Gupta, has been associated with the Indian Institute of Technology Roorkee (formerly University of Roorkee) for 42 years where he joined as Lecturer in Electrical Engineering Department in 1976, became Reader in 1982 and Professor in January 1994. He did B.Sc. Engineering in Electrical Engineering from Engineering College, Dayalbagh, Agra in 1971, ME with first position in 1973 and Ph.D. in 1986, both from Electrical Engineering Department of University of Roorkee and post doctoral work from University of Bristol under Commonwealth award in 1989-90. He also did teaching and research at University of Puerto Rico (USA) in 1990-91.

Professor Gupta in his career worked on various positions of administrative responsibility at IIT Roorkee such as Associate Dean, Development & Planning (July 1997 to March 2002), head of Electrical Engineering Department (Jan. 2006 to Dec. 2008), Dean Planning BT Mandi and Dean, Greater Noida Extension Centre of BT Roorkee (Jan. 2010 to Jan. 2013), Dean Alumni Affairs (Jan. 2011 to Dec. 2012) and Deputy Director (Jan. 2013 to Jan. 2015). As Head of Department he facilitated starting of 5-year IDP program in collaboration with University of Western Ontario, Canada and a Grant of Rs. 2.50 crores from DST under PIST scheme.

Professor Gupta made a very significant contribution in research in various areas of Electrical Machines, Drives and Power Electronics. He published about 75 research papers and guided 11 Ph.Ds. He was also associated in research on Condition Monitoring of Electrical Machines where he also worked on two sponsored research projects awarded by the Department of Science & Technology (DST) and the Ministry of Human Resource Development (MHRD). He received best paper award from the Institution of Engineers (India) twice.

Professor Gupta has travelled to Switzerland, Singapore, China, USA and UK for Academic assignments, Conferences, delivering invited lectures as well as for alumni networking.
College of Engineering Roorkee (COER) is located at Roorkee, Uttarakhand. The town of Roorkee, located on the national highway (NH-58) is about 180 km north of Delhi, the capital of India, and is known as the gateway to the Himalayan Ranges. Roorkee is well connected with Delhi via rail and road. There is a frequent bus service between Roorkee and Delhi. Rail connections to Roorkee are on Howrah-Amritsar and Delhi-Dehradun Railway Lines. The COER campus, situated on NH-58, just 7 km from Roorkee offers an enchanting site with 75 acres of lush green pollution-free environment. Affiliated to Uttarakhand Technical University (UITU), Dehradun and recognized by All India Council of Technical Education (AICTE), the campus provides an enchanting site on the busy highway that catches the eye of every passer-by. The COER campus is meticulously constructed. Infrastructure and the academicians are providing the best of inputs for education and extra-curricular activities. The campus is perfectly built up with various sections including fully facilitated classrooms, Laboratories, Computer Centre, Library, Hostels, Auditorium, and Student Centre as well as Sports Complex.

We are diamond with 23+ years of excellence in the education industry and have a very good academic reputation.
Retired / Ex-faculty members from IIT Roorkee / CBR and NIT.
Fully 24x7 WIFI-enabled campus.
Most modern classrooms and laboratories are equipped with digital technology.
Online and offline modes of teaching.
24x7 facility of library and laboratory within the campus.
100% placement assistance in top MNCs and PSU sectors.
24x7 medical facility for students, faculty, staff members.
Lush green pollution-free campus with beautiful landscaping.
Recognized by the government of Uttarakhand, AICTE New Delhi, UFTU Dehradun.
AWARD AND RECOGNITIONS

COER WON 4 AWARDS BY TV100

Best Institute in Uttarakhand
Best Campus in Uttarakhand
Best Institute in Uttarakhand for Infrastructure & Training in Engineering
Best Engineering College for co-curricular activities

RANKED AS 4.5 STAR BY MHRD INNOVATION CELL (MIC) – 2019 EXCELLENCE AWARD of Uttarakhand in Engineering Education by CME, 2016

AAA Institute by Career 360 The April 2015 Issue

5 STAR ENGINEERING COLLEGE by Career Connect May 2014 Issue

RANKED AMONG TOP 10 ENGINEERING COLLEGES OF INDIA For Faculty, Infrastructure, Institute


BEST EMPLOYABILITY INSTITUTE by Amcat, 2015.

BEST ENGINEERING COLLEGE IN UTTARAKHAND 
KARUNA CLUB, COER AWARD january 2015 
Karan International, Chennai as A Recognition of Social Initiatives

BEST ENGINEERING COLLEGE IN HIMACHAL PRADESH

NATIONAL AND INTERNATIONAL LINKAGES :

Col leg e of Engineering Roorkee is affiliated to Uttarakhand Technical University, Dehradun and approved by AICTE and MHRD.

(Indian MOU) with KUBAN STATE AGRARIAN UNIVERSITY, RUSSIA: (MOU) has been signed between the Department of Agriculture and Kuban State Agrarian University, Russia (the largest university in the south of Russia for academic exchange of faculty and students for joint study, research, and joint scientific and scholarly output. College of Engineering Roorkee supports the meaningful formal relationships with foreign universities and institutions. Expert lectures and seminars are conducted at COER for the benefit of students and the teaching fraternity. Guest lectures/workshops/seminars organized at the international and national levels.

INTERNATIONAL COLLABORATION with KUBAN STATE AGRARIAN UNIVERSITY, Russia

Dr. Jakov Sachenko, Dr. Nikolai Kurchenko visited COER for one month in October 2019

<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Designation</th>
<th>Qualification</th>
<th>Industry/Research Experience</th>
<th>Status of Engagement</th>
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<tbody>
<tr>
<td>2019-20</td>
<td>Prof. Ramesh Bamal</td>
<td>Professor</td>
<td>Ph.D.</td>
<td>University of Sharjah, United Arab Emirates</td>
<td>Visiting</td>
</tr>
<tr>
<td>2019-20</td>
<td>Prof. Rajesh Varma</td>
<td>Professor</td>
<td>Ph.D.</td>
<td>University of Western Ontario, Canada</td>
<td>Visiting</td>
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<tr>
<td>2019-20</td>
<td>Prof. Gopal Gupta</td>
<td>Eriksson Professor</td>
<td>Ph.D.</td>
<td>University of Texas at Dallas, USA</td>
<td>Visiting</td>
</tr>
<tr>
<td>2019-20</td>
<td>Ms. Sita Yadav</td>
<td>Assistant Manager</td>
<td>PG</td>
<td>Victoria University, Melbourne, Australia</td>
<td>Visiting</td>
</tr>
<tr>
<td>2017-18</td>
<td>Dr. Manish Singh</td>
<td>Engineering Officer in Power System Division of CPRE</td>
<td>Ph.D.</td>
<td>Power System Division of CPRE</td>
<td>Visiting</td>
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<tr>
<td>2018-19</td>
<td>Dr. A. R. Gupta</td>
<td>Assistant Professor</td>
<td>Ph.D.</td>
<td>NIT Kurukshetra</td>
<td>Visiting</td>
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<tr>
<td>2018-19</td>
<td>Dr. Arvind Agrawal</td>
<td>Director</td>
<td>PhD</td>
<td>Dr. APJ Abdul Kalam Institute of Technology</td>
<td>Visiting</td>
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<td>2018-19</td>
<td>Dr. Anil Goyal</td>
<td>Associate Professor</td>
<td>Ph.D.</td>
<td>NITTTR Chandigarh</td>
<td>Visiting</td>
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<tr>
<td>2018-19</td>
<td>Dr. Sarudha Panjaj</td>
<td>Associate Professor</td>
<td>Ph.D.</td>
<td>NIT Kurukshetra</td>
<td>Visiting</td>
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<tr>
<td>2018-19</td>
<td>Dr. Ashish Kucha</td>
<td>Former Director</td>
<td>PhD</td>
<td>Uttarakhand Newsprint Nigam Ltd. Dehradun</td>
<td>Visiting</td>
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<tr>
<td>2018-19</td>
<td>Dr. Satyendra Rana</td>
<td>Associate Professor</td>
<td>PhD</td>
<td>IIT Roorkee</td>
<td>Visiting</td>
</tr>
<tr>
<td>2018-19</td>
<td>Dr. Sanjay Dhaka</td>
<td>Professor</td>
<td>PhD</td>
<td>IIT Roorkee</td>
<td>Visiting</td>
</tr>
<tr>
<td>2018-19</td>
<td>Prof. Neelima Mishra</td>
<td>Professor</td>
<td>PhD</td>
<td>IIT Roorkee</td>
<td>Visiting</td>
</tr>
<tr>
<td>2019-20</td>
<td>Dr. Anshu Garg</td>
<td>Chief Engineer</td>
<td>PhD</td>
<td>Oil &amp; Natural Gas Corporation Ltd. (ONGC)</td>
<td>Visiting</td>
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<tr>
<td>2019-20</td>
<td>Prof. G.P. Kothari</td>
<td>Professor</td>
<td>PhD</td>
<td>IIT Delhi</td>
<td>Visiting</td>
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<tr>
<td>2019-20</td>
<td>Dr. Premwati Jena</td>
<td>Associate Professor</td>
<td>PhD</td>
<td>IIT Roorkee</td>
<td>Visiting</td>
</tr>
<tr>
<td>2019-20</td>
<td>Dr. Ashwani Kumar</td>
<td>Professor</td>
<td>PhD</td>
<td>NIT Kurukshetra</td>
<td>Visiting</td>
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<tr>
<td>2019-20</td>
<td>Dr. Makar Singh</td>
<td>Professor</td>
<td>PhD</td>
<td>IIT Roorkee</td>
<td>Visiting</td>
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<tr>
<td>2019-20</td>
<td>Dr. S.K. Jain</td>
<td>Professor</td>
<td>PhD</td>
<td>Thapar Institute of Engineering &amp; Technology, Patiala</td>
<td>Visiting</td>
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<tr>
<td>2019-20</td>
<td>Dr. K K Gupta</td>
<td>Assistant Professor</td>
<td>PhD</td>
<td>Thapar Institute of Engineering &amp; Technology, Patiala</td>
<td>Visiting</td>
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<tr>
<td>2019-20</td>
<td>Dr. Mahad Singh</td>
<td>Professor</td>
<td>PhD</td>
<td>IITI New Delhi</td>
<td>Visiting</td>
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<tr>
<td>2019-20</td>
<td>Dr. J.P. Verma</td>
<td>Associate Professor</td>
<td>PhD</td>
<td>IITI Chandigarh</td>
<td>Visiting</td>
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**International Journal Publications**

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<tr>
<th>S. No.</th>
<th>Author Name</th>
<th>Paper</th>
<th>Year of Publication</th>
<th>Journal Name</th>
<th>Impact Factor</th>
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<tr>
<td>1.</td>
<td>Deepak Verma &amp; Siddharth Jain</td>
<td>A perspective utilization of the biomass for the production of the biodiesel</td>
<td>2020</td>
<td>Minireviews in Organic Chemistry</td>
<td>1.2</td>
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<tr>
<td>5.</td>
<td>Sunil Kumar, Siddharth Jain &amp; Harneet Kumar</td>
<td>Experimental study on biodiesel production. Parameters optimization of Jatipha Algae oil mixture and diesel engine coupled with generator performance and emission analysis fueled with diesel-biodiesel blends.</td>
<td>2020</td>
<td>ACS Omega</td>
<td>2.58</td>
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<td>6.</td>
<td>Amooq Kumar Shukla, Gaurav Dwivedi &amp; Siddharth Jain</td>
<td>Advances of carbon capture and storage in coal-based power generating units in an Indian Context</td>
<td>2020</td>
<td>Energies</td>
<td>2.702</td>
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<td>7.</td>
<td>Nilesh Dutta, Ankhi Singh, Pradeep Kumar Sahoo</td>
<td>CFD analysis of suspended solids during postulated severe core damage accident of PHWR</td>
<td>2020</td>
<td>Nuclear Engineering and Design</td>
<td>10.63</td>
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<tr>
<td>8.</td>
<td>Ankhi Singh Singhal</td>
<td>Design and fabrication of cost efficient photogravimetry 3-D scanner</td>
<td>2020</td>
<td>Journal of Indian University</td>
<td>—</td>
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<td>13.</td>
<td>Praveen Kumar, Nishant Kumar, Sunil Saharan</td>
<td>Analysis &amp; design of cut &amp; cover tunnel in high seismic zone</td>
<td>2020</td>
<td>Alonso Chakra Journal</td>
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**Conference papers**

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<th>S. No.</th>
<th>Name</th>
<th>Title of Paper</th>
<th>Name of Conference</th>
<th>Date</th>
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Patent Publication

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<tr>
<th>S. No.</th>
<th>Name of Faculty member</th>
<th>Title of Patent</th>
<th>Status</th>
<th>Date</th>
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<tbody>
<tr>
<td>1.</td>
<td>Dr Siddharth Jain, Mr Akshay Gang</td>
<td>Water Purification System</td>
<td>Published (2019/01/103912/32A)</td>
<td>8/2/2019</td>
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<td>2.</td>
<td>Dr Siddharth Jain</td>
<td>Biofuel Composition and a Method of Preparation there of</td>
<td>Published (2019/01/103820/32A)</td>
<td>2/12/2019</td>
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<td>3.</td>
<td>Dr Nivkari</td>
<td>Motion sensitive device for female security based on self defense sensor technology</td>
<td>2019/10/29/906A</td>
<td>8/2/2019</td>
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<td>4.</td>
<td>Dr Nivkari</td>
<td>System and method for early cancer detection</td>
<td>2019/10/29/123A</td>
<td>15/11/2019</td>
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<td>5.</td>
<td>Dr Siddharth Jain, Mr Yaron Postap</td>
<td>Foldable Bridge Assembly</td>
<td>Published (2019/10/29/124A)</td>
<td>21/12/2019, 31013</td>
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<td>6.</td>
<td>Dr Rupesh Kumar, Dr Nitin Dutt</td>
<td>An improved system and method of dish-draining after dish-washing</td>
<td>2020/10/29/523A</td>
<td>28/8/2020</td>
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<td>7.</td>
<td>Dr Mubil, Mr Amran Mune Mube, Dr Harmeeta Singh Bhatavdik, Dr Amarnath Singh</td>
<td>A method for preparation of binder for interlocking paver blocks by utilisation of polyethylene terephthalate and composition thereof</td>
<td>2020/10/23/21A</td>
<td>28/8/2020</td>
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<td>8.</td>
<td>Mr Yaron Postap, Dr Siddharth Jain</td>
<td>Smart Hybrid Kitchen</td>
<td>Published (2020/10/29/908A)</td>
<td>25/10/2020</td>
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List of Seminars/ Webinars/ FDPs Organized

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<th>S. No.</th>
<th>Date</th>
<th>Name of Activity</th>
<th>Name of Activity</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>1.</td>
<td>1 May 2020</td>
<td>Webinar on Challenges of Power Generation of Conventional and Renewable Energy Sources</td>
<td>Prof. Ramwati Bawal, President, United Arab Emirates</td>
<td>Dr. Anura Kumar, WWF Victoria, AKC Consulting Engineers, Australia</td>
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<tr>
<td>2.</td>
<td>2 May 2020</td>
<td>Webinar on Clean Energy</td>
<td>Prof. D.P. Khani</td>
<td>Mr. Ajay Tiwari</td>
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<td>3.</td>
<td>3 May 2020</td>
<td>seminar on Energy &amp; Environmental Problems: Facing the Third World and Their Probable Solutions for Sustainable Development</td>
<td>Prof. Dr. S.K. Jain, President, Thapar Institute of Engineering &amp; Technology, Patiala</td>
<td>Mr. S.K. Jain, President, Thapar Institute of Engineering &amp; Technology, Patiala</td>
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<td>4.</td>
<td>26-20 June 2020</td>
<td>Five Days Online FDP on Power Electronics Applications in Smart Grid Technologies: Recent Advances</td>
<td>Dr. Premkumar Jena, Associate Professor, IIT Roorkee</td>
<td>1. Dr. Premkumar Jena, Associate Professor, IIT Roorkee</td>
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<td>5.</td>
<td>24 Aug 2020</td>
<td>Smart Inventions for Increasing Connectivity of Photovoltaic Power Systems</td>
<td>Dr. Rajeev Verma, Professor, University of Western Ontario, Canada</td>
<td>Dr. Rajeev Verma, Professor, university of Western Ontario, Canada</td>
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<td>6.</td>
<td>26 Sep 2020</td>
<td>Online Teaching through Microsoft Teams</td>
<td>Dr. Ulrich K. Roy, Associate Professor, IIT Roorkee</td>
<td>Dr. Ulrich K. Roy, Associate Professor, IIT Roorkee</td>
</tr>
</tbody>
</table>

Documents Required

B. Tech First Year

1. Copy of JEE Main current year Rank.
4. Character Certificate from the principal of the school last attended or a Gazetted Officer.
5. Three passport size photographs self attested.
6. T.C. to be submitted at the time of admission.

B. Tech Laterral Entry: Direct admission to B. Tech Second Year

Eligibility

Candidates who have qualified UG/SEE current year Examination and have passed B.Sc. examination in Mathematics as one of the subject and securing minimum 60% in aggregate OR minimum 60% marks in Diploma in Engineering or Equivalent Examination.

1. Copy of UG/SEE current year Rank.
4. Photocopy of Graduate Marksheet (self attested).
5. Character Certificate from the principal of the school last attended or a Gazetted Officer.
6. Three passport size photographs self attested.
7. T.C. to be submitted at the time of admission.

M. Tech Courses

<table>
<thead>
<tr>
<th>Branches</th>
<th>Duration</th>
<th>Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Science Engineering</td>
<td>4 Years</td>
<td>180</td>
</tr>
<tr>
<td>Computer Science and Engineering with Specialization in AI and ML</td>
<td>4 Years</td>
<td>60*</td>
</tr>
<tr>
<td>Computer Science and Engineering with Specialization in Data Science</td>
<td>4 Years</td>
<td>60*</td>
</tr>
<tr>
<td>Computer Science and Engineering with Specialization in Cyber Security</td>
<td>4 Years</td>
<td>60*</td>
</tr>
<tr>
<td>Electronics and Telecommunication Engineering</td>
<td>4 Years</td>
<td>120</td>
</tr>
<tr>
<td>Electrical &amp; Electronics Engineering</td>
<td>4 Years</td>
<td>120</td>
</tr>
<tr>
<td>Information Technology</td>
<td>4 Years</td>
<td>90</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>4 Years</td>
<td>120</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>4 Years</td>
<td>120</td>
</tr>
<tr>
<td>Plastic &amp; Polymer Engineering</td>
<td>4 Years</td>
<td>60</td>
</tr>
</tbody>
</table>

Eligibility

Who have passed the intermediate or equivalent examination with a minimum of 50% marks in Physics, Chemistry and Mathematics and those who have appeared at the JEE Main- current year Examination. The admission will be done strictly on the All India JEE Mains Examination Merit.

Eligibility for NRI

NRI Seats shall be filled up from the non-resident brother/sister of such NRIs, who have passed the intermediate or equivalent examination with minimum 50% marks in the total Physics, Chemistry, and Mathematics subjects from an Institution situated in India. The merit will be decided on the total marks obtained by them in Physics, Chemistry, and Mathematics (PCM) in the qualifying examination. All such candidates must submit a certificate from Indian Diplomatic Missions/Chancery/High Commission under their seal to the effect that the candidate or his/her father/mother/brother/sister is Non-Resident Indian in the country.

Eligibility for a person of Indian origin (PIO)/ Foreign Nationals

The PIOs/Foreign Nationals quote seats shall be filled from PIOs/Foreign Nationals who (a) have passed the qualifying examination with Physics, Chemistry, Mathematics from an Institution situated outside India, which is considered equivalent to 10+2 examination by the Association of Indian Universities (AIU), New Delhi. OR (b) have passed High School Certificate Education (HCE) Examination with Physics, Chemistry and Higher Mathematics (A) from London/Cambridge/ Srilanka and also valid SAT-B Score with Mathematics Level I-C, Physics & Chemistry. (c) Note: Admissions towards M.Tech/Foreign Nationals seats will be on a first come first served basis.

Documents Required for Diploma First Year

1. Copy of JEE current year Rank.
3. Character Certificate from the principal of the school last attended or a Gazetted Officer.
4. Three passport size photographs self attested.
5. T.C. to be submitted at the time of admission.

Diploma Courses

<table>
<thead>
<tr>
<th>Branches</th>
<th>Duration</th>
<th>Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electrical &amp; Electronics Engineering</td>
<td>3 Years</td>
<td>60</td>
</tr>
<tr>
<td>Mechanical Engineering</td>
<td>3 Years</td>
<td>60</td>
</tr>
<tr>
<td>Civil Engineering</td>
<td>3 Years</td>
<td>60</td>
</tr>
</tbody>
</table>
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING AND INFORMATION TECHNOLOGY

The department is fully equipped with the latest emerging technologies such as cyber security, cloud computing, data science, machine learning, artificial intelligence, big data, etc. It is one of the first departments in the state to offer a B.Tech and M.Tech degree in Computer Science and Engineering and Information Technology. Right from its inception, the department has been offering excellent infrastructural facilities with a variety of computing platforms to aspiring students to meet the burgeoning demands of the IT industry. The department endeavours are aimed to produce confident professionals tuned to real-time working environment.

COMPUTER LABS
- Programming lab
- Data base management system
- Machine learning lab
- Artificial intelligence lab
- Cyber security
- Computer network lab
- System programming lab
- OPPS lab
- CBIST lab
- Computer graphics lab
- Web development lab

ACHIEVEMENTS
Department of Computer Science & Engineering and Information Technology has published 15 journal papers, 1 conference papers, undertaken 2 sponsored research projects and has 5 patent during the period July-December 2020.

VALUE ADDED MODULES
In addition to the university curriculum, the following value-added programs are offered to all students of the department starting from first year.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
<th>Fourth Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Hardware Software and hardware trouble shooting</td>
<td>Web development with PHP</td>
<td>Machine learning with Python</td>
<td>Data science</td>
</tr>
</tbody>
</table>
DEPARTMENT OF CIVIL ENGINEERING

Civil Engineering has played an important role in improving the civic life of society by harmonizing the natural resources available on earth. Some of the major areas in the field of Civil Engineering are the design and construction of various structures like bridges, buildings, roads, tunnels and dams, developing new construction technologies, Design and development of Foundation systems, Geotechnical Engineering, Transportation and Traffic Engineering, Municipal and Sanitary services, surveying, GIS and remote sensing, and Hydraulics and Water Resources Engineering. The Department of Civil Engineering at CUET is involved in education and research programs covering a spectrum of activities in Civil Engineering. Providing excellent practical oriented engineering education to achieve a successful career in academic, research and industrial field. Department offers Diploma and B. Tech program in civil engineering. If you choose to pursue a civil engineering degree, you’ll discover the extent to which civil engineers shape, build, maintain and expand societies. Whether it’s a bridge, space station, dam, road or tunnel, civil engineers are the people who design, construct and manage the entire process, from development to evaluation.

LABS
- Survey Lab = Building Material Lab
- Environmental Lab = Transportation Lab
- Hydraulics Lab = Geotechnical Lab = Structure Lab
- Building Planning and Architecture Lab
- Tile Abrasion Testing Machine Lab
- Universal Testing Machine (UTM) Lab

ACHIEVEMENTS
Department of Civil Engineering has published 8 journal papers, 3 conference papers, undertaken 2 sponsored research projects and has 1 patent during the period July-December (2020).

VALUE ADDED MODULES

<table>
<thead>
<tr>
<th>First year</th>
<th>Second year</th>
<th>Third year</th>
<th>Fourth year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Traditional and Recent Trends in Civil Engineering</td>
<td>Building Information Modeling using Computer HW, SW, BIM &amp; Network Troubleshooting</td>
<td>Modeling and Simulation of Structures using STAAD PRO</td>
<td>Analysis and Design of Structures using STAAD PRO, Advanced Surveys, CAD and Advanced Tutorials, DGPS and Advance Training using DGPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Department of Electrical and Electronic Engineering was established to meet the growing requirement of engineers in Electrical and Electronic disciplines. Since its commencement, the primary objective of the departments has been to impart quality education, training and research in various areas of Electrical engineering. The department endeavors to produce confident professionals tuned to real time working environment. The department offers excellent academic environment with a team of highly qualified faculty members to inspire the students to develop their technical skills and inculcate the spirit of teamwork in them. The strength of the department is highly motivated students who understand the dynamics of the industry and hone their skills accordingly.

LABS
- Electrical Machine Lab
- Network Lab
- Control System Lab
- Power System Lab
- Power Electronics Lab
- Electric Drive Lab

ACHIEVEMENTS
Department of Electrical and Electronics Engineering has published 5 journal papers, 2 conferences papers, undertaken 1 sponsored research projects and has 1 patent during the period July-December 2020.

VALUE ADDED MODULES
In addition to the university curriculum, following value added programs are offered to all students of the department starting from first year.

<table>
<thead>
<tr>
<th>First year</th>
<th>Second year</th>
<th>Third year</th>
<th>Fourth year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Hardware</td>
<td>PLC &amp; SCADA</td>
<td>Basics of MATLAB</td>
<td>Industrial Automation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Industrial Automation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Application of GAMS Software</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>First year</th>
<th>Second year</th>
<th>Third year</th>
<th>Fourth year</th>
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<tr>
<td>Computer Hardware</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Industrial Automation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Application of GAMS Software</td>
</tr>
</tbody>
</table>
ELECTRONICS & TELECOMMUNICATION ENGINEERING

Telecommunication, Instrumentation, VLSI, Embedded System, Robotics, Signal processing are the fields of Electronics Engineering where electronic components, such as semiconductor devices, especially transistors and integrated circuits are utilized to design electronic circuits, devices and communication systems. The department of Electronics & Telecommunication at the College of Engineering Pune, established in the year 1999 has consistently served as a genesis of engineers of excellent caliber in the field of Electronics and Telecommunication Engineering for the last 21 years.

LABS
- Electronics circuit lab & analog integrated circuit lab
- Electronics workshop and PCB laboratory
- Microprocessor laboratory
- Microwave lab
- CAD of electronics lab
- Digital signal processing lab
- Communication lab
- Optical communication laboratory
- Digital circuit laboratory
- PLC & DCS laboratory
- Biomedical instrumentation laboratory
- Internet of things application centre
- Computer hardware troubleshooting and software studio
- Sensoric lab

ACHIEVEMENTS
Department of electronics and telecommunication has published 3 journal papers, 2 conferences papers, undertaken 1 sponsored research projects and has 1 patent during the period July-December 2020.

VALUE ADDED PROGRAMS

<table>
<thead>
<tr>
<th>First year</th>
<th>Second year</th>
<th>Third year</th>
<th>Fourth year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Hardware and Networking, Problem Solving, Simulation Lab</td>
<td>Embedded Systems, Microcontroller, PCB Designing</td>
<td>Advanced Embedded, Industrial Automation,</td>
<td>Web, Mobile, Software and Services</td>
</tr>
<tr>
<td>Internet of Things</td>
<td>Embedded Systems</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DEPARTMENT OF MECHANICAL ENGINEERING

The Department of Mechanical Engineering of CDMER is as old as the Institute itself, is recognized as one of the best departments of the Institute. The department offers a comprehensive and extensive course combined with the excellent infrastructural facilities. The department, besides being piloted by elite faculty, boasts of its laboratories - one of the best equipped in the country. The faculty and students of the department play a leading role in various co-curricular, extra-curricular, social and community development activities. Apart from the B Tech program, the department offers M Tech program with a specialization in Mechanical Engineering. The Mechanical Engineering department has been producing exceptional academic results on a consistent basis ever since its inception. Started with an intake of 60 students per year for an undergraduate course, now the department admits 120 students per year including lateral entry of diploma holders in the second semester. The various labs and workshops encompass the vital aspects of Mechanical Engineering viz. Fluid Mechanics, Refrigeration and Air Conditioning, Heat Engines, and Dynamics of Machines. Industrial visits and Educational tours are regularly conducted as an integral part of the curriculum to familiarize students with the industrial environments, working conditions, and recent industrial developments.

LABS
- Basic Mechanical Lab
- Material Science & Testing Lab
- Machine Drawing Lab
- Fluid-Mechanical Lab
- Applied Thermodynamics Lab
- Manufacturing Science Lab
- Measurement, Metrology and Control Lab
- Machine Design Lab
- Theory of Machine and Design Lab
- Heat and Mass Transfer Lab
- Fluid Machinery Lab
- Refrigeration and Air Conditioning Lab
- CAD/CAM Lab
- Automobile Engineering Lab
- Biofuel Lab
- Solar Lab

ACHIEVEMENTS
Department of mechanical engineering has published 10 journal papers, 5 conferences papers, undertook 2 sponsored research projects and has 1 patent during the period July-December 2020.

VALUE ADDED PROGRAM

<table>
<thead>
<tr>
<th>First year</th>
<th>Second year</th>
<th>Third year</th>
<th>Fourth year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto CAD, Hardware and Trouble Shooting</td>
<td>Solid works, Industrial Automation</td>
<td>Advance Automation, Arays software</td>
<td>Advances in Refrigeration and Air Conditioning (HVAC) and VDF Classes</td>
</tr>
</tbody>
</table>

*
DEPARTMENT OF PLASTIC AND POLYMER

Plastic and Polymer Engineering is a specialized branch of engineering which involves the application of scientific and engineering principles to the development of a wide variety of polymer products for different applications such as aircraft parts, medical, packaging and automobiles, etc. It also involves the study of structure properties relationship, manufacturing process design of moulds, various processing techniques, rheology and quality control during manufacturing and processing for plastic materials. Hence one can enter this profession after pursuing the study of the above aspects of Plastic and Polymer Engineering. The primary focus of Plastic and Polymer Engineering shall be to expose the students to the world class emerging technologies of polymeric materials, instilling in them confidence to face new challenges and enabling them to excel in this field.

ACHIEVEMENTS

Dheeraj Kumar & Mohit Saini students of B.Tech Plastic & Polymer Engineering department received award from SEB Graduate School of Technology on 15th September 2017 for participating in National level Technical Quiz Competition on Plastics in Packaging Technology held in Mumbai, "PLASTICS AND POLYMER TESTING LABORATORY" of ANEKA INTERPLASTIC INNOVATION LLP under aegis of COER, Roorkee as an unique NABL (National Accreditation Board for testing and Calibration Laboratories) accredited laboratory only in the state of Uttar Pradesh and offering integrated services in the area of testing of polymeric materials and products for their Properties and quality control to meet plastics & polymer industries requirement.

LABS

- Analysis and Identification of Polymer Lab
- Synthesis & Polymerization Lab
- Plastic Material Testing Lab
- Plastic Processing Lab
- Polymer Characterization Lab
- Product & Mould Design Lab

VALUE ADDED PROGRAM

<table>
<thead>
<tr>
<th>First year</th>
<th>Second year</th>
<th>Third year</th>
<th>Fourth year</th>
</tr>
</thead>
</table>
CENTRE OF EXCELLENCE

CENTRE FOR INDUSTRIAL AUTOMATION

All the labs and teaching aids are equipped with working as well cut section model for core learning and computation in the association between industry leaders and college.
CENTRE FOR FMS AND TRANSITION TO INDUSTRY 4.0

1. To function as a knowledge center for the entrepreneurs; start-ups regarding concepts of information technology and its application in Industry 4.0.
2. To disseminate this knowledge through workshops, lectures, and training programs.
3. To coordinate with Industries for guest faculty to disseminate knowledge regarding practical applicability of Industry 4.0.
4. To facilitate the display of latest technology demonstration project for helping the new startups.
5. To conduct research & development activities.

Flexible Production System

This kit is used to teach and familiarize students with a typical factory automation system using PLC. The system consists of the following stations and subsystems. All the stations are kept in one straight line.

<table>
<thead>
<tr>
<th>Station</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Station - 1</td>
<td>Conveyor station, Magazine Station, Testing Station, Handling Station, Base Station, PLC with HMI</td>
</tr>
<tr>
<td>Station - 2</td>
<td>Reversing Module, No module, Pneumatic press, Base Station, PLC with HMI, Silent compressor</td>
</tr>
<tr>
<td>Station - 3</td>
<td>Reversing Module, Stacking Robot, Bay, Handling Station, Base Station, PLC with HMI, Silent compressor</td>
</tr>
</tbody>
</table>

INCLUSION CENTRE AND ENTREPRENEURSHIP CELL

CBC envisages facilitating incubation of new startups/entrepreneurs & enterprises for innovative technologies by providing need-based physical, technical, business and networking support; facilities and services to test and validate their ventures before the successful establishment of enterprises. Presently the CBC is promoting entrepreneurs in fields of design, automation, robotics, and various applications of engineering and management and is trying to serve society largely and affordably. CBC recognized as an incubator by Uttarakhand Start-up Council, Government of Uttarakhand.

EMERGING TECH LABS

1. AI and ML Lab
2. Data Science Lab
3. Cyber Security Lab
4. Graphic Lab
5. Cloud and Informatics Lab
6. Computer hardware, software and networking lab
7. Research and Innovation Lab
8. Web and App Development Lab
9. Communication Lab
10. Advanced Surveying
11. Transportation Engineering
12. NABL Accredited Plastics & Polymer Testing Laboratory
13. Synthesis & Polymerization Lab
14. Biofuel Research Laboratory
15. Automobile Laboratory
16. Solar Energy Laboratory
17. Electrical Testing and Simulation Laboratory
18. Smart Grid Lab
DIY LAB

To encourage COERians in the field of innovation and to identify their hidden talents and promote their skills, our hostel Chairman Shri J.C. Anjum introduced DIY (Do It Yourself), a centre of innovations and advanced technology. A research lab that works 24x7, more than 100 students work together in the field of Robotics, Aviation, Electric Vehicle, and full-fledged projects which connect them with E-Cell of Govt. of Uttarakhand. Our DIY lab functions by organizing the screening of documentaries and video recordings of talks by eminent people from all over the world and initiate discussions. Here students are free to bring their creative ideas for innovation. All the tools and equipment required by the students to innovate new things are provided at DIY. This is one of the favourite spots of the youngsters. Students get an opportunity to explore Advanced Technology in the field of AI, Digital Intelligence, Drone Engineering and Robotics Engineering under the guidance of Dr. B.M. Singh (Director) & Mr. Mohan Chauhan (Lecturer & Head - DIY) who jointly take the initiatives and guide the young talents to convert their dreams into reality.

DIY has emerged as the older technical clubs working in COER, namely The Robotics Club, the TRAC, and the Aero Club. Robotics Club works on the making of robots, copters, humanoid and LFR—the line Following Robots whereas. Aero club provides a platform to the students to create various types of aerial drones, UAVs, manned aerial vehicle, fighter planes, prototypes, and asian drones—the bird like drones. TRAC and Aero Club work in collaboration on Ultimate 2.0 robots and Mono Wheel Electric Vehicle. On 3rd December 2015, three drones, the DIY products, took flight in COER Camps with Delivery Products and Spy Intelligence in the presence of Shri Teenudev Singh Rawat & Chief Minister of Uttarakhand. All these projects are funded by NITI Aayog, Chairman S. G. V. Jha. Recently COERians participated in ‘Robocon-2018’, the International Conference of Robotics Innovation, Pune, and showcased various projects.

DIY ACHIEVEMENTS # 2018-2020

- Team COER won the First Position in Cyber- Breaking Robotics Event in Cognizance-The National Fest in IIT Roorkee.
- COER’s first Humanoid Robots were made under DIY Institute Innovation Centre.
- An Android Robot for Voice Recognition and Image Processing was made by the students at DIY centre.
- COERians grabbed the first position in ‘Robotics-2018’, the annual technical fest at IIT Roorkee, consecutively for the third time.
- COERians stole five First Positions in the fields of Robo War, Robo Soccer & other Robotics Events in ‘Youthopia’ the annual tech fest, of IIT, Delhi/Adonais.
- Our students were the first position winners of the ‘Best Science Project’, at Rotary Club, Roorkee.
- DIY COER students won six first position in the state level competition UTU Technical Fest, held at Dehradun.
- Mr. Subaran Bhatla Chauhan received Best Coordinator Youth Welfare Award from Global Education Corporate Leadership & IITW India.
- Mr. Subaran Bhatla Chauhan was selected to be in the TOP 100 Innovators of the Country out of 10k participants, in the Indian Innovation Challenge Design Contest under the asyl of Texas Instruments and DST.
- COER Robotics Team, TRAC received the second position in International Technical Fest, Techelites held at IIT Kanpur, March 2019.

TECHNICAL VISITS

- Monthly visits are planned for Industrial Expo all over India, to get hands-on information on the latest technology.

VISITORS’ LIST

- Mr. Manes Bawa, Deeks Group, Australia
- Shri Teenudev Singh Rawat, CM, Uttarkhand
- Dr. Dhruv Singh Rawat, Minister of Higher Education
- Dr. Ankta Rawat, Registrar, UTU Dehradun
- Mr. Deepak Rawat, GM Marketer
- Mr. Shankar Dursal, Founder of IFD
- Mr. Pradeep Bhatla, MLA, Roorkee
- Guruji Global Solar Tech session by Solar Man of India, Professor Chetan S. Solanki, IIT Bombay, was organized in IIT Kanpur on 2nd Oct 2015
- Prof. Gopal Gupta, Erik Jonsson Professor (Artificial Intelligence and Applications), The University of Texas at Dallas, USA
- DIY lab is seeking to be a part of the Institute Innovation Centre (IIC) approved by the MHIO, Govt. of India.

OTHER UPCOMING COLLABORATIONS

- AE India Council of Robotics & Automation (ARDA)
- Automation Industry Association (AII)
- India China Technology Transfer (ICTT)
- Deeks Group: Australia
- Yale University: U.S.
- IIE & Tinkering Lab, IIT Roorkee
- Space Development House - SEB, New Delhi in the area of Aeronautics

START-UPS by students Initiated at DIY

- THE NEXT MOVIE: First Home Automation laboratory
- ROBOTICS TRADE INDIA - Security Surveillance established at COER Campus.
- LennyGo India Pvt. Ltd.
- Incubation Centre for new start-ups
College of Engineering Bhubaneswar has a spacious library with a rich collection of around 40000 volumes for the benefit of students and faculties. The Central Library has a good collection of books, journals, E-journals, E-books, CDs etc. It is fully automated. It contains Landing Section, Reference Section, and Journal Section. The Library is completely computerized and uses bar coding system with the help of software. COER library contains a rich collection of 36000+ books, First Books to Reference 84 Print Journals & Magazines and Daily 11 titles of Newspapers, Employment oriented Newspapers, more than 1 Lakh e-books, and approximately 6000+ peer-reviewed e-journals. A rich collection of Dictionaries, Encyclopedias, Project Reports, Syllabi, Research Papers / Conference, COER publications, many new books, Books for competitive exams in Aptitude, GATE, GRE, Media Tests, TOFEL, Personality Development and Question papers of Technical University of previous years in the form of digital and bound forms are available for easy access too. COER library is a member of Springer, DELNET & J-Gate for access e-journals.

The College Library is one of the leading libraries of Odisha and is technologically equipped to offer students the scope to update themselves. Library Membership is compulsory and open access facilities are available. The library is under CCTV Surveillance.

Department Library:
Besides Central Library, COER has a separate departmental library in each department for reference only.

Hostel Library:
Hostel library is available in each hostel for reference.

LIBRARY SECTIONS

GENERAL BOOK SECTION:
All the books available in the General Book Section are arranged subject wise, users can pick the books of desired titles/subjects and get them issued for a period of a maximum of fifteen days. In general, all COERians are allowed for four books to be issued in their names at a time but toppers of their respective classes are allowed for six books whereas university toppers are allowed for eight books and university toppers are allowed for twelve books at a time.

REFERENCE SECTION
This section contains Dictionary, Encyclopedias, Reference books, Rare books, Multimedia Question papers of UG/PG, Project reports, COER publications and Research Papers of COER faculties and minimum of two books of almost all the titles available in the general book section. Users are free to refer to all this study material within the library.

PERIODICAL SECTION
All the journals, magazines & newspapers come under this section. COER library is subscribing 131 print journals and Magazines of various disciplines and 11 titles with multi-copies of newspapers.

DIGITAL LIBRARY SECTION
- E-resources may be accessed in this section
- Online Journals for Engineering & Management – 6500
  (Springer, DELNET, J-Gate)
- E-Books – More than 1 Millions e-books
- SPRINGER: http://link.springer.com
- J-GATE: https://jgateplus.com
- DELNET: www.delnet.nic.in

NPTEL SECTION
1481 videos Lectures of NPTEL are available in Central Library along with multimedia PCs.

CIRCULATION SECTION:
The circulation section is divided into 12 counters i.e., issue and return counter.
SAEINDIA@COER

SAEINDIA@COER has proved to be a promising platform for the students who want to build their careers in the automotive industry. Currently, the club has 150 student members, and the strength is in ascension every day. Mr. Thomas Mathew (Asst. Professor, Department of Mechanical Engineering) is the registered faculty coordinator of this club. The club members participate in various events and get immense placement opportunities.

FIRST POSITION in GO-KART-2018 endurance test held at LPU, PHUNJAM.

International Go-Kart Championship is a global event with a mission of facing students with technical as well as practical knowledge of the making and working of GO-KART. Twenty students of SAEINDIA-COER, named as “TEAM-ZPHR” participated in this event which took place from 23rd - 26th March, 2018 and won the first prize in the most difficult Endurance Test.

Driving the self-made GO-KART during the event with 10K+ spectators was a proud achievement in itself.

FIRST POSITION in National E-kart competition NEKC-2019

National E-kart competition is organized by Credible Future India annually. COER qualified the virtual round with an outstanding All India Rank - 4, (Score 513/600).

ATV MEGA CHAMPIONSHIP-2016 - COER WON THE SECOND PRIZE

30 Student members of SAE-COER participated in Mega ATV Championship held at Bhubaneswar from 3-8 March 2016. This National level event was organized by Auto Sports India & COER team won the second position in Earthquake Simulator Competition.

SAEINDIA-COER SECURED FIRST POSITION IN ECO-KART-2017 VIRTUABLES

The student members of SAEINDIA-COER won the first position in the virtual round of the national event ECO-KART being organized by Hero group at New Delhi. The Competition is to design and fabricate a single passenger Kart which is operated via battery.

MESS@COER

CDER’s dining hall with its modern kitchen, is designed to cater to students and staff with hygienically cooked PURELY VEGETARIAN food to develop healthy minds. A dining hall is a place not just for meals but also where ideas get exchanged. Students’ Mess Committee prepares the Menu for each meal – breakfast, lunch, evening tea, and dinner. Mess also provides dining provisions for Day Scholars. Meals are regularly checked for their quality and taste by hostel administration and mess committee members.

LAUNDRY

At COER, we take all steps to make students comfortable. The laundry unit is well-equipped with machinery for washing all kinds of clothes and fabrics. With removal charges, laundry offers dry cleaning services also.

MEDICAL FACILITY

Students can consult a general Physician in COER Hospital for any kind of health issue. The ambulance facility is available round the clock.

SAFETY AND SECURITY

At COER, we are committed to enhancing the quality of student life by maintaining an open yet safe and secure environment. The gated campus is ringed by high walls, CCTV Cameras in place at strategic points and has 24-hour uniformed security patrol service.

Director General, Director Hospital, Dean Student Welfare, Dean Academics, Chief Wardens and all the Wardens reside in the campus. Students can freely interact like guardians. It develops strong bonding and a deep sense of belongingness.

The administration of the hostel is under Chief Wardens. The overall charge of students’ discipline and hostel administration vests in the Dean Student Welfare.
RESIDENTIAL FACILITIES

COER Residential Complex has the uniqueness of many state-of-the-art buildings, sprawling lawns, well-maintained playgrounds in pollution free environment. It has been planned, designed, and constructed to address broader issues that relate to resource and energy conservation. Thoughtful landscaping creates an vibrant campus and motivates students to remain healthy and active.

Separate Hostels are established for boys and girls that provide feelings of “a home away from home”. Student hostels, at full strength, can accommodate around 3100+ students. The campus is well watered. We at COER, ensure that students can put their hundred percent into curricular and extra-curricular engagements. Reading rooms and mini library is available in each hostel. The reading room in each hostel is equipped with materials like magazines, newspaper, books. Not only the indoor games like Table-Tennis, Chess, Carrom; Squash and Lawn Tennis Courts, Volley Ball, Basket Ball, Badminton courts are also available within the area of residential complex.

Special care is taken to provide the best and safe drinking water through Aquaguard. All the hostels are provided with uninterrupted power through back-up generators in order to provide 24 hours’ electricity supply, solar geyser, etc. Fire safety measures have been introduced in all the campus buildings.

Home Away From Home...

25 REASONS TO STAY IN COER HOSTEL

1. You can start your day with sports activity, yoga, exercise or the usual morning walk in the fresh air of the lush green campus.
2. In morning and evening, you can get benefit of a well-equipped Gym in campus separately for boys and girls.
3. You get breakfast in the mess next to your hostel and easily get ready for attending classes.
4. As a宿生, you never miss your classes during the rainy season, or extreme weather conditions.
5. You reach the examination hall/class always on time.
6. Extra classes can be easily attended if you are residing in the hostel.
7. You can interact with fellow students and get the guidance from seniors in academics, projects, writing research papers, technical and other activities without additional effort.
8. You get easily motivated to present a paper in the conference/seminar and participate in the workshop.
9. You can utilize the library facility in the hostel at your convenience.
10. It is quite comfortable to remain in touch and involved with Placement Activities such as group discussions, and personal interviews, which are held mostly in late hours in evening.
11. Transport facility for all campus placement activities.
12. May in the hostel provides opportunities for sports activity, Squash, court, Lawn Tennis, Basketball, football and Badminton courts are all well maintained to play in any weather.
13. Technical activities and fest of different committees can comfortably be participated while staying in campus.
14. You can consult the general physician in COER Hospital.
15. You will get 24x7 facility of first aid and ambulances.
16. You get a family feel with visiting campers with the band width 35 mps.
17. In campus: Stationary shop, Xerox and mobile recharge, ATM facility, Guests and Ladies parlors.
18. 24x7 uninterrupted power supply and fresh drinking water facility in the hostel make you comfortable for studies. Your water facility during summer through solar geyser in an additional facility.
19. In the facility of Cafe Quick Line up to 700 people. In hostel area, the canteen remains functional up to 11:00pm for refreshment in the evening for your ease.
20. Complete laundry and Ironing facility provided in the hostel.
21. Complete basic food menu of 12 items a day according to the menu decided by the student mess committee.
22. Regular sweep and mopping in the campus to control mosquitoes and insects.
23. Complete safety and security is assured in the campus
24. Grated boundary wall covered with concertina wire. CCTV on entrance gate provide additional security for boys in the hostel.
25. In the campus the day of Director General, Director Medical, Dean S.W. Dean Academic and all-women make the stay safe and comfortable. These high authorities are always ready to help/guide the hostellers on day-to-day life to achieve the goal.

BOYS’ HOSTEL

Hostel rooms are spacious, semi-furnished and available on single/double occupancy. The Boys’ Hostel named as Akshar Bhawan, Arvindh Bhawan, Ashok Bhawan, Pratibha Bhawan, Gopi Sagar Bhawan and Kundi Kunj Bhawan. Indoor games are available in all the hostels. Common Basketball and Volleyball Courts are located in front of Gopi Sagar Bhawan. Cafe is available in front of Ashok Bhawan which serves tea, coffee, milk, soup, and snacks from 05:00 PM to 11:00 PM.

GIRLS’ HOSTEL

The campus has two hostels for Girls namely Ahilya Bhawan and Tarawati Bhawan. The Girls’ Hostel furnished with all basic comforts, can boast of its high security standards to meet the expectations of parents. Indoor games are available in both hostels. Common Basketball Court is located near Ahilya Bhawan. A café/canteen is available within the premises of Girls Mess which cures to tea and snacks in the evening up to 11:00 PM.

GIRLS’ GYM

Going to the gym improves one’s fitness and overall health. It also breaks down the monotonous routine and keeps us revved up for the day. Separate Gym for girls is available in Ahilya Bhawan equipped with Tread Mill, Bench Press, Cycle Exercise Machine, Vibration, Double Nester, Dumb-Bell, Abs Exercise Machine and Weighing Machine.
INFRA STRUCTURAL FACILITIES

CLUBS

SPIC MACAY
Society for the Promotion of Indian Classical Music and Culture amongst Youth
SPIC - MACAY is a voluntary youth endeavour to promote diversified aspects of Indian heritage through encouraging Indian classical music, classical dance, folk music, yoga, meditation, crafts, and other aspects of Indian culture. COER became part of SPIC MACAY in 2004. Since then, COER team is making efforts to promote the objective of SPIC MACAY by organizing various events at COER campus.

EVENTS ORGANISED DURING THE SESSION:
• Music Making Competition
• Poster Making Competition
• All India Essay Writing Competition
• With Shri Ram Chandra Mission in collaboration with the United Nations Information Centre for India and Bhutan.
• Pittru Phod Competition
• Pavalok Naatak
• Performances by artists of international fame - Lecture cum demonstration
• Intelligenzi – A Quiz Competition
• ‘Kao Po Chi’ – A Kite Flying Competition on the occasion of Basant Panchami.

“ABHYUDAYA” The Literary Committee
This is the central idea and the main driving force behind Abhyudaya: The Literary Committee of the college which has successfully implemented and duly propagated among our young minds through all these years. True to its name Abhyudaya - the Ascension through concerted efforts to build the overall personality of a student, assists and guides them to achieve excellence in their respective fields. Thus, providing them the confidence to spread their wings and ascend towards the zenith. This development prepares them for the cut-throat competition ahead, equipping them with confidence and knowledge, they face the world boldly.

Literary committee not only commits itself to the English language but also discovers new vistas of our mother tongue - Hindi. One of the primary motives of this committee is to bring about general awareness in the COERians about everything that’s happening around them. The various events organized by the Literary Committee throughout the year are:
1. Kavi Sammelan
2. Kahan Utho Pratikrithi
3. War of Words
4. English Ability Test (EAT)
5. Group Discussion
6. Plot
7. Colors of Satire - ‘Jyot Ka Rang’
8. Indus Awareness Quiz
9. Jumble Jumble
10. Novellophilia
11. Vaad Vivaad Pratipadya

“Mucur”
The Annual COER Magazine
“MUCUR”, paraphrasing its meaning strives to provide a kaleidoscopic view of COER and its COERians. It was released on Consecration Ceremony. Editorial Board: Designing Group, Graphic Experts Group, Cover Page Design Group. Delivered with a vision and thoughts to present a totally new face to the MUCUR.
OORJA...

The Cultural Committee of College of Engineering Roojee conducts various cultural events during the academic calendar, maintaining the norms of Indian tradition as well as touching global diversity of culture. These events are organized keeping in view the students, faculty and management's collective interest of talent exhibition. During the organization of events, the members of Committee will appreciate opportunities of diverse resource management and corporate management skills. The various events organized by the committee are as follows:

- Fresher's party
- Farewell party
- Teachers' Day Celebrations
- Despamthya
- Foundation Day
- Goodwill Day
- Girl Together party
- Zion the college cultural fest of GORJ.

ZION

THE ANNUAL CULTURAL FEST

It is a 3-day fest organized tentatively in the first week of April. Many internal and external events are organized in the college during these 3 days, to showcase the talent among the students. The following events are organized during the fest:

- Drums
- Ghazals
- Kuchipudi
- Directors' Guild
- RocknRoll
- Minnie Street
The Linguistic Committee aims at developing the Inter-Personal and Soft Skills of the students. The committee works with a vision to prepare students appearing for different competitive examinations, that involve English Aptitude Test. It takes full care of all the students from fresher to those who are confident. The events organized by the committee eventually helps the college students in training and placement activities. Following are the events organized by the committee during the academic year.

1. **TOEFL** - Test of Proficiency in English Language main objective is to test one’s command over the English language. In this event, the committee takes into account new and previously administered TOEFL test questions.

2. **Foreign Language Courses** - The Committee also organizes Foreign Language courses on the campus for students. Classes through out the sessions for foreign language courses such as "German Language Course" and "French Language Course" have been taught by experts of those languages.

3. **Regular Language Based Activities in classrooms and hostels** - Language based events such as JMN Sessions, Group Discussions, Extempore, Vocabulary Quiz etc are regularly conducted by Linguistic committee students after taking the permission of their concerned and respective teachers after classes and at hostels.

4. **Expressions** (The Annual Linguistic Fest) The Linguistic Committee organized its annual fest 'EXPRESSIONS' every year at Inter college level to provide students a quality exposure. Following are the events conducted by the committee during the fest:

   **FORMAL EVENTS**
   
   1. **Adapta** - This event is a variation of the popular business plan presentations which aims at developing market knowledge and skills among the participants.

   2. **Critique** - An integral part of expressions, the debate aims at enhancing the communication skills and strengthening their presentation abilities.

   3. **The Big Fight** - Group Discussion activity which aims at improving group behaviour and individual dynamics simultaneously.

   4. **Most Court** - Most Court is an extracurricular activity at many schools in which participants take part in simulated court proceedings, usually involving drafting memorials and participating in oral arguments.

   5. **The Critic** - In this event, an English movie which is decided via a poll on the event website is shown to students. After watching movie, a questionnaire based on the movie is distributed among participants to check their listening skills.

   6. **Spellathon** - Inspired from the ESPY’s popular "Spelling Bee", this event requires the participant to spell out the given word within a given time span.

   7. **Sportech** - This event checks participants’ knowledge of Sports.

   8. **Expression** - An English skit competition in which teams compete for the best dramatic skills in front of the judges.

   9. **Imagin** - Imagin is a picture perception testimonial event. The participants are asked questions based on the sequence of the images.

   10. **The Critics** - A showcase of movies and evaluation of critical appreciation of the movies shown.

   **‘DISHA’ THE TECHNICAL COMMITTEE**

   The Technical Committee, christened ‘Disha’ came into being, entrusted with the task of providing a stable platform to the young CDEians to provide a tangible shape to their ideas. Disha is entrusted with the responsibility of organizing Manthan, the Annual Inter College Technical Management Fest of our college and a number of competitions catering to the aptitudes and taste of almost every student. ‘Disha’ the Technical Committee of the college is continuously associated with organizing different technical events throughout the year for the benefit of the students. Various events conducted by ‘Disha’ the Technical Committee conducted in past years were:

   - **GOOGLE DOODLE** - Making doodle for google on a given sheet of paper which have something already printed on it.

   - **AARKHEE** - The clay modeling event - clay models based on the predefined themes. The teams presented their zeal, ingenuity, creativity and perception of the themes through clay, bamboo sticks, and polishes.

   - **ENGINEER’S DAY CELEBRATION** - The celebration included an exhibition of models portraying the fine creativity of CDEians.

   - **CAT (COER APITUDE TEST)** - Test based on a written questionnaire consisting of general aptitude, verbal, reasoning and quantitative questions.

**APCE @ COER ASSOCIATION FOR PROMOTION OF CIVIL ENGINEERING**

Paving its way along the growing technologies in Civil Engineering, Association For Promotion of Civil Engineering is an initiative taken by the students of Civil Engineering APCE department.

MENSAPE, an initiative to participate in 10 different events involving different aspects of civil engineering. Details of all 10 events are:

1. **CISAR** - This is an Instant on spot event for designing and building a structure with provided raw material.

2. **CIVILONES**: This event is for making the hydraulic robot according to the problem presented with available tools and equipment.

3. **ROBOTICS** - As the Robotic Coaster transforms its potential energy into kinetic energy through a series of crest and curve. So in that event, we make the roller coaster.

4. **MODEL ENGINEERING**: Civil engineering is a field which is directly linked with the practical experiences in constructing structures and models which are required for analysis of structures and demonstration of many basic engineering.

5. **EDIFICE** - Edifice is a presentation event. It is a structural case study event which is aimed at providing the participants with an opportunity to explore their understanding of structural engineering and test their abilities as structural engineers.

6. **GREEN CANVAS** - Green Canvas is also a presentation event. Environmental problems are the major concerns today''s anxious world. As pollution is increasing day by day without sparing any gheron, it is the need of the hour to come up with innovative and creative ideas to mitigate the effects of pollution and restore the greenery.

7. **WINDRIDER** - WINDRIDER is a gripping event testing the knowledge of participants in a wide range of fields of Civil Engineering, namely Environmental Engineering, Geotechnical Engineering, Structural Engineering, Transportation Engineering, and Water Resources Engineering.

**ROBOTS AND INNOVATION CLUB**

The Robotics and Innovation club was established (officially) in January 2010. The Titans, the team for Robocoon from College of Engineering Roorkee was formed on 15/3/2007, by a hand full of budding first yearlings. The long journey of officialising the club started in 2008-09 but it was until Jan, 2010 that the official recognition was granted. At present the club is under the able guidance of Dr. Kunal Kapoor who is the convenor of the club. Below are the names of the founding members of the Robotics and Innovation Club who laid the foundation of the club with a vision to make CDEIR a prominent name in the field of Robotics.

Vatsalya Sharma - Dept. of Mechanical Engineering (2007-2011)
Aabhoosh Pathak - Dept. of Mechanical Engineering (2007-2011)
Punit Kumar / Dept. of Information Technology (2007-2011)

TRAC works under the motto that we need to incorporate the thinking of a true engineer in all those who have a zeal and passion to follow it. We have gradually expanded our horizons from mere robotics to Research and Development of several industry level projects. Our ongoing projects have the capability to shape the future of upcoming generations.

Each year we take a fresh bunch of enthusiastic individuals from all branches of engineering after a rigorous round of scrutiny through interview panel which consists of senior most TRAC members. After testing them for the necessary passion, we gradually train them to be the best where it comes to applied technical knowledge.
SPORTS CLUB OF COER

The main objective of the Sports Club is to provide an opportunity for all students to take part in outdoor games such as Football, Basketball, Volleyball, Cricket competitions and some of the indoor games like Carrom, Table Tennis, Chess, etc. Sports Club of COER organizes the inter-college fest “RUNY” every year. The college team takes part in inter-collegiate competitions but the other students can have a platform to demonstrate their talents through this club.

UTMASHAND TECHNICAL UNIVERSITY TOURNAMENT 2019-2020
- Basketball Boys: 22 October-24 October 2019 - First Position Holder (COER)
- Badminton Boys: 30 September-1 October 2019 - First Position Holder (COER)
- Volleyball Boys: 3 November-4 November, 2019 - Second Position Holder (COER)
- Football Boys: 5 November-6 November, 2019 - Second Position Holder (COER)
- Cricket Boys: 11 November-15 November, 2019 - Second Position Holder (COER)
- Seth Roshan Lal Jain Memorial Football Tournament Second Position Holder (COER)

ECO CLUB: A Mission Towards Sustainable Engineering

VISION: PROACTIVATING STUDENT COMMUNITY TO BE A PART OF SOLUTION NOT POLLUTION. “Like music and art, love of nature is a common language that transcends political or social boundaries.” Eco-Club, College Of Engineering Roorkee was established in 2003 under the supervision of Dr. Romesh Kumar Sharma. The club was formed with the aim of making the students aware of environmental issues and their duties towards the nature. Eco-club is a group of like-minded people who are focused on generating interest about resource conservation, sustainable development and other environmental issues among the student community.

Artificial bird nests
ECO-Club has initiated a campaign in the COER campus to install artificial bird nests all over the campus to make more environments friendly.

Dustbin Drive
The club carried out a Dustbin Drive with the object of having a ‘green campus – clean campus.’ The club has been organizing several events in the campus since last 5 years. The aim of conducting these events is to make the students aware of their duties towards the nature. The club celebrates various environmental-related days in the college.

Ganga Cleaning Mission

Haritation
The club organizes an annual fest ‘HARITATION’ with the aim to involve students in real-time solutions to environmental issues. Cleanliness drive in the surrounding areas of the college

PETA
Conducts a Workshop by PETA (People for the Ethical Treatment of Animals) lecture seminars

NATuRATIOn
Conducts NATurATIOn: A Nature-themed Marathon event.

14th CONVOCATION

14th convocation ceremony was celebrated with great pomp and show on 9th of April 2019. The chief guest of the function was the Governor General of Uttarakhand – Shrimati Anvesha. The guest of honour was the Vice Chancellor of Uttarakhand Technical University Dehradun, Dr. Anil Raiwaz. Sh. J.C. Jain, Chairman, COER, Sh. Suhelshoch Jain, Sh. Sunita Jain, Vice chairperson COER, Sh. Shevyanc Jain, Director Tajiss Industries, Dr. S.P. Gupta, Director General COER and Major General O.P. Saini, Director General COER School of Management also graced the occasion. The programme was inaugurated by the lighting of ceremonial lamp.

Chairman Sh. J.C. Jain welcomed all the students, parents and the distinguished guests present in Vardhaman Auditorium.

Dr. S.P. Gupta, the Director General COER presented the annual report of the college. This year 721 graduate and postgraduate degrees were distributed to the students.

Addressing the gathering the Honorable Governor General said that through the medium of education there is a drastic change over the years but the need of education still remains the same, i.e., knowledge. Stressing on the importance of higher education, he said that more emphasis should be given to the practical knowledge. She added further that College of Engineering Roorkee is one of the best institutions of engineering in Uttarakhand where all Roorkee is half of the IT Hub of the nation. Dr. Anita Rajput also shared her views with the students. She informed the students about further education like Ph.D., M.Tech, M.S and Civil Services.

All students were awarded with gold and silver medals for acquiring the first and second position in the university examinations. Three students were awarded with the Seth Roshan Lal Jain trophy.

Sh. J.C. Jain and Shrimati Sunita Jain, COER offered mementos to the guests. The vote of thanks was offered by Shri Suhelshoch Jain, Director COER.

The program came to close with the recital of the National Anthem.
CORER is a well-known name in northern India in the field of placements. Corporate Resource Centre contributing honestly to the overall employability enhancement of the youth of the country. The students are really doing wonderful in all technological and management areas by serving well-known multinational blue chip companies of repute.

The Corporate Resource Centre is committed to providing all possible assistance to the students of all the study programs in their efforts to find employment and internships. In addition to the placement assistance, Corporate Resource Centre also focuses on providing support for all rounds of development of students, to attain the objective students are assisted from career profiling till interview assistance to prepare them for lifetime employability. We facilitate students to decide and pursue their careers in various sectors. The CRC offers to its duties with commitment through a full-time Professor-In-Charge.

The department operates all round the year to provide contacts between students and various Companies, the CRC Team is always available to deal with queries and doubts related to the recruitment process, guidance in preparation of resume and handling interviews.

The aim is to ensure that students have the information and skills necessary for an effective job search. The CRC Team keeps itself updated with the Placement Statistics, envisioned view of future and market career trends. Its prime role is to foster opportunities and possibilities for the students to get placements. To inculcate true exposure we conduct guest lectures by industry experts and promote maximum industrial visits. Also, it will familiarize students in the best possible way by promulgating them to take responsibility for their own career decision and prepare them for the industry.

The objectives of CRC are summarized as:

- Career Planning
- Organizing Guest Lectures, Seminars and Workshops
- Industrial Visits
- Summer and Winter Internships
- Personality Development, Mock Interviews, Group Discussions & Online Tests etc.
- Interpersonal & Communication Skills
- Campus Placements and Internships

Major past recruiters:
Our students are working in almost all topmost multinational companies all over the world, some of the major names are as follows:

- IBM
- Adobe
- SAPient
- Google
- HP
- Infosys
- TCS
- Amazon
- BOSCH
- HERO
- Reckitt Benckiser
- Copirant
- and many more.....

Mr. Suchandita Saha (ECE 2014-2016) got selected for internship with honourary by MBB, BMW, Bangalore.

Mr. Aman Arora (IT 2014-2016) has been offered an internship by IBM. Electrifying the internship job in Copenhagen, Denmark. He will be offered full-time employment with salary of 33,000 k/month (Rs.1,33 lakh/month) in Copenhagen.

Thus, Corporate Resource Centre provides services and resources to assist the students in their ongoing efforts of competence developing, career planning and employer searching.
College of Engineering Roorkee celebrated the 23rd Foundation Day on Thursday, December 3rd, 2020 at the COER-SM Lawn of COER campus, Chairman COER, Shri J C Jain, Prof (Dr) SP Gupta, Director General (COER), Prof (Dr) B M Singh, Director (COER) & Chief Guest Dr. N. Gopalakrishnan Director, CSR, Roorkee inaugurated the celebration by lighting the ceremonial lamp.

One of the major highlights of this celebration was the technical exhibition by the students. Students’ passion and ideas were much appreciated by Hon’ble Chairman.

The exhibition was also attended by Prof. Dr. S. P. Gupta, Director General, (COER), Director, COER, Deans, HODs, faculty Members and Students.

On this occasion Prof. Dr. S. P Gupta, Director General, of COER, shared the achievements of the Institution in previous years and future projection of the institution as COER endeavors to be one of the centers of excellence in the field of education.
STUDENTS’ ACHIEVEMENTS

Saurabh Chaurasiya (IIS 2014), first batch of alumni, COER, addressing the gathering at Rashtrapati Bhavan.

Mr. Pushkar Shukla
Research Scholar, TTE, USA
Batch: 2014
B.Tech.: College of Engineering Roorkee
MS.: University of California, Santa Barbara
Ph.D. (Pursuing): Toyota Technological Institute, USA

My time at COER played a pivotal role in shaping up my overall personality and character. My journey thus far would have been incomplete if not for the constant support and encouragement given to me by my peers and faculty at COER. The only piece of advice that I have for my juniors is to keep working hard and never give up on your dreams.

Mr. Ranjit Kumar Verma
Production Engineer, PPAP Automotive Ltd., Noida.
Batch: 2016
B.Tech.: College of Engineering Roorkee

Understanding the basics concepts of all technical subjects, learn the new advanced things, attend daily classes and try to grasp the knowledge the faculty shares.

Mr. Amritsir Lounia
System Engineer, UBER USA
Batch: 2017
B.Tech.: College of Engineering Roorkee
MS.: New York University, USA

Welcome to the first steps towards building your future! It’s time for a new chapter of your life where you will start learning self-control and time-management. I encourage you to make the most of your time. Get involved and participate in the cultural and technical fests hosted throughout the year. But remember, it is a learning experience and the challenges and experiences you face first, stay focused and work in your academics. Your college experience will be what you make it, and your opportunities will only be limited by the limits you place on yourself. Remember to make it a great year and enjoy your journey.

Mr. Kajal Jaski
Deputy Commissioner, Ministry of Finance New Delhi
Batch: 2009
B.Tech.: College of Engineering Roorkee
IPS: 2014 Batch

Stepping into college life will feel like stepping into the unknown at first but believe me, these three years will be the best years of your life. Although we all have our own experiences but still I would suggest you to always be open to new ideas, however, also keep the dream of first who knows what shape they might take in future. Successfully and most importantly, whatever task you take up or goal you set will just be a part of yourself. I wish you all the very best and sincerely hope that you will stay safe in these testing times of global pandemic.

Mr. Anup Singh
Director: Asia Pacific, Gruauer AG New Delhi
Batch: 2005
B.Tech.: College of Engineering Roorkee
MSc.: Politecnico di Milano, Italy

To be successful in career one should have larger future goals, understanding your key strengths and disadvantages and play to your advantage. It may also be personal attributes as well. Continuous focus and improvements on key attributes in the job can improve your performance and lead to growth, success and happiness.

Mr. Praveen Dharpal
Graphics Hardware Engineer: Intel Corporation California, USA
Batch: 2007
B.Tech.: College of Engineering Roorkee
MS.: Texas Tech University, USA

My message to young COERians is to make the best use of this amazing opportunity of studying at COER. There is a high demand for people in the technology sector and it is growing exponentially as the world moves at a greater pace towards some exciting technologies like Artificial Intelligence, Machine learning, 3D Printing, Virtual reality, 5G connectivity, drones etc. There are a few - this will work in your favor.

Mr. Shashank Jain
Co-Founder Woodside Lifestyle Pvt. Ltd., New Delhi
Batch: 2009
B.Tech.: College of Engineering Roorkee

I want to tell all my fellow COERians, there is nothing impossible in the world. Sometimes, we look for formal education and couldn’t decide our passion at the start of our career or journey. With consistent efforts and perseverance, one can achieve any goal in life. Multiple facets of college life play a very important role in shaping up the mind. Always ask students to participate in all kind of activities, clubs, events and jobs to build your career.

COER’S PRIDE: ALUMNI ASSOCIATION

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NOTICE : RULE FOR ATTENDANCE

1. Every student is required to attend all the lectures, tutorials, practical and other curricular and co-curricular activities. Total attendance should be 100%.
2. The attendance can be granted upto 25% on medical grounds or for other genuine reasons beyond the control of student.
3. A further relaxation of upto 15% for a student can be considered on case to case basis by the Director General / Director provided the absence is with prior permission of the Head of the Department / Convener of the Committee and Faculty Advisor for the reasons related to academic/technical/ institutional growth and development.

STUDENT MEDICAL LEAVE

- All kind of weightage including medical leave shall be considered for benefit of attendance only when the individual has minimum attendance of 60%.
- Any student falling sick shall inform his/her Faculty Advisor regarding the illness/hospitalisation.
- The medical certificate shall be immediately submitted after returning from medical leave. It should be duly forwarded by the faculty advisor.
- Medical Certificate will be cross checked from attendance records to verify the period of Medical leave inorder to eliminate wrong practice.
- Medical Certificate shall be verified from issuing Hospital / Doctor in doubtful cases.
- False certificate shall amount for disciplinary action against the student.

CO-CURRICULAR & EXTRA-CURRICULAR ACTIVITY

- Your participation in any CO-CURRICULAR & EXTRA-CURRICULAR ACTIVITY should not affect/interrupt your academics and attendance.
- If attendance of individual going below 75%, he/she should not participate in such activities in order to avoid loss in academics and examination.
- Student co-ordinator and Members of the committee MUST maintain minimum attendance criteria.
- Participation in any kind of CO-CURRICULAR & EXTRA CURRICULAR ACTIVITY organised in campus or out-side campus will get weightage of attendance MAXIMUM UPTO 12 DAYS (all inclusive) provided the individual has minimum attendance of 60%.
- Application regarding participation in any event shall be duly forwarded by faculty advisor and Co-ordinator of the event. It should be submitted in the office immediately after the event.

CURBING RAGGING IN COER CAMPUS

Ragging is "STRICTLY PROHIBITED" in COER Campus. In order to avoid any unpleasant incident arising from Ragging, Anti - Ragging squad visits are organized by the College which keeps strict vigilance on the COER campus.

"RAGGING IS PROHIBITED AS PER THE DECISION OF THE HON’BLE SUPREME COURT OF INDIA IN WRT PETITION NO. (C) 656/1998".

Students are advised not to indulge in any such event. Students if found guilty will have to face severe consequences, which could go to the extent of "EXPULSION" from the college & penal action as may be called for in terms of law.