

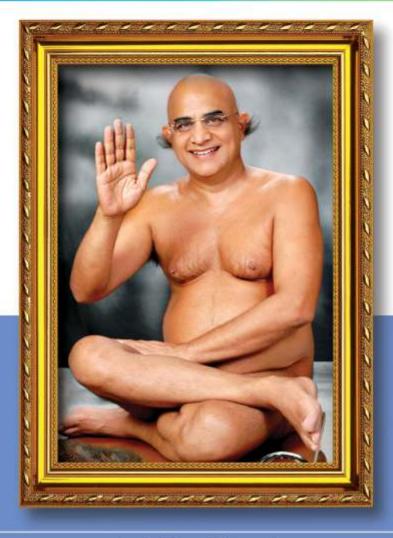
UNIVERSITY OF OPPORTUNITES

2023-24

Offered Disciplines

- Computing
- Engineering
- Management
 Agriculture
- Health Sciences

- Commerce
- Paramedical
- Nursing
- Pharmacy
- Ayurveda



कोर यूनिवर्सिटी रुड़की के प्रेरणा स्रोत, राष्ट्र सन्त, महायोगी (डॉ.) उपाध्याय मुनिश्री गुप्तिसागर जी

मंगल आशीर्वाद संदेश

देश की अखंडता - एकता के लिए हमें सदैव दोस्ती का हाथ आगे बढ़ाना चाहिए। मन में घृणा, अमीर गरीब का भेद और कमजोर वर्ग का शोषण इंसानियत के खिलाफ हैं। हमें बाग के फूलों की तरह खिलना चाहिए। खुशबू बिखेरना हमारा कर्चव्य हैं! जाहिर हैं, फूलों से खुशबू निकल जाने के बाद उनसे कोई प्यार नहीं करता। वे तो केवल वनस्पति जगत के अंश - वंश होते हैं। उनका अपना कोई महत्व नहीं। उनके और काँटों में क्या फर्क। हमे रोज-गार्डन की तरह हर क्षण - हर सुबह खुशबू, सौंदर्य और आनंद बाँटना हैं। हम भारत की संतान हैं। प्यारे बच्चो!

हमें वर्ग जाति और संप्रदाय के चक्कर में न पड़कर सूर्य की तरह आगे -ही-आगे बढ़ते जाना है! सूर्य कितना विराट है! नगर में एक निर्धन परिवार मेंजितनी रोशनी देता है, उतना ही नगर सेठ के परिवार को भी अपनी रोशनी से निहाल करता है। क्या हम सूरज की तरह सबसे

बच्चे मन के सच्चे.....

Logo Philosophy



चारित्तं खलु धम्मों - चरित्र ही धर्म है।

अर्थात बुराई से बचना और भलाई के पथ पर चलना, यही है जीव का प्राकृतिक कर्त्तव्य ।

The logo
expresses the
philosophy and essence
of Engineering for progress
and prosperity,
transforming the natural
resources for the
benefit of the
mankind.

The computer represents the pace and capability to attain new horizons of progress through simplification.

The circle symbolizes the universe and the inscribed waves of knowledge are accumulated by the antenna as the radiating center.

The transmission tower symbolizes the communication tools for the learning process.

The gear wheel, the well-acclaimed symbol of Engineering represents the continuous thinking process for development.



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Opportunities to Establish Precedence

Vision

To promote innovation centric-education, become centre of excellence to the international standards, perform research in pace with industrial development; producing life and career ready professionals.

Mission

M1 : To develop the professionals having basic and advanced competencies so that they can serve the Society and Industry, and face the global challenges.

M2 : To impart education based on latest knowledge, with analytical and experimental skills, through advanced methods of training, research and strong Institute-Industry interface.

M3 : To create innovative and entrepreneurial ecosystem.

M4: To promote research based projects/activities in the emerging areas.

M5 : To foster the science of creativity and educate ownership for sustainable & scalable ventures.

M6 : Inculcate strong moral values and integrative thought processes for disciplined professional growth and instill lifelong learning.

Objectives

- 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.
- 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.
- 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.
- To strengthen the research programme in various fields to cope up with the growing demands of both industry and academia.

Quality Policy

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



About Us

The lush green campus of COER University is located on Delhi- Haridwar Highway (NH-58), 7 km from Roorkee, Haridwar District, Uttarakhand, India. Founded by Seth Roshan Lal Jain Trust in 1998 as the first private Engineering College in Roorkee and the only engineering institution other than the famed University of Roorkee (now IIT Roorkee), COER (now COER University) grew by leaps and bounds in the past 24 years under the visionary and dynamic leadership of its founder Chairman Er. J. C. Jain, a post-graduate (M.E.) in Industrial Engineering from BITS Pilani (1971) and an eminent industrialist.

On 15th February 2021, the Government of Uttarakhand State has approved COER University as State Private University. The COER University carries the legacy of COER. It aims to be a premier university in the state of Uttarakhand and a peerless champion in the world of facilitator of Technical, Management, Agriculture, Health Sciences, Nursing, Medical and Paramedical Education.

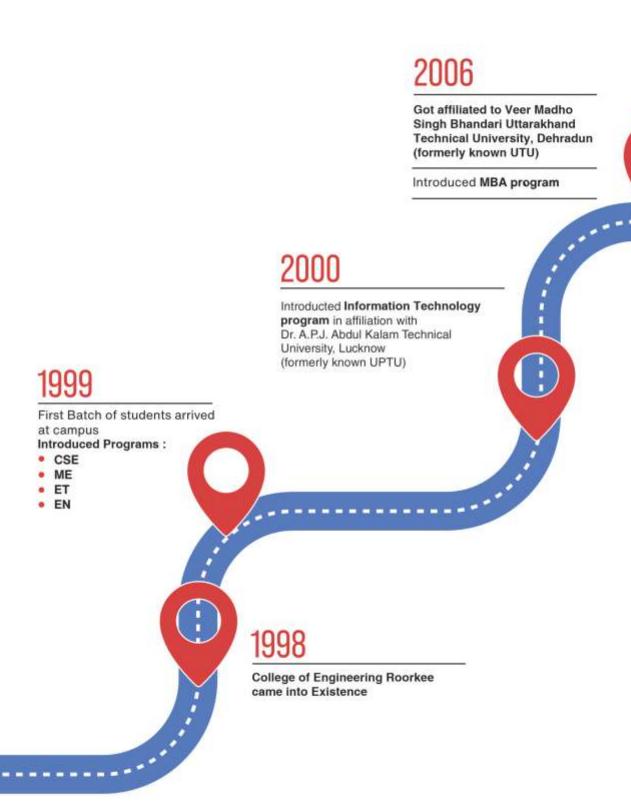


The guiding principle at all times has been to establish standards of uncompromising excellence in teaching and research. The university campus is meticulously designed, built and presents a beautiful sight on the busy highway. Spread over 75 acres and draped in predominantly white exterior, the academic, administrative and residential buildings present a welcoming ambience to this temple of learning.

The university aims to introduce students to the world of emerging technologies, instilling in them the confidence to face new challenges and enabling them to shine in their chosen fields. With innovative infrastructure, exceptional international collaborations and an immersive research-driven academic environment, we provide an education that is well rounded, extensive and practical. COER University believes in the all-round development of its students and leaves no stone unturned to achieve this.



Journey of 24 Years



Accredited by NAAC Accredited by NBA B. Tech (Mechanical Engineering) B. Tech (Electrical and Electronics Engineering) B. Tech (Electronics and Telecommunication Engineering) Introduced B. Tech (Civil Engineering) Introduced Diploma Programs: Civil Engineering Mechanical Engineering Electrical Engineering Introduced **B.Sc.** Agriculture program Introduced B.Tech. Plastic and Polymer Engineering program Introduced programs BCA BBA B.Com. Received affiliation with Sri Dev Introduced Suman Uttarakhand University, Tehri B.Tech. Applied Electronics and Garhwal (SDSUV) for professional Instrumentation program courses

Opportunities to Explore

1. Governance

Visionary management, strong academic leadership and learned academicians having rich experience of working with eminent institutes like IIT Roorkee have been the principal strength of COER University.



2. Recognition

The University (UETR) is ranked
No. 1 University in the State of
Uttarakhand, No. 1 in the North Zone
(UP, Uttarakhand, Haryana, Rajasthan
and Punjab) and No. 10 in India among
top 50 emerging Universities by
Education Post, Vol. IX, Issue 11,
Feb.-March 2022 under "IIRF
2022 University Ranking India"



3. NEP 2020 Powered Curriculum

Our curriculum framework comprises the best features from the National Education Policy - 2020 that blends academics, sports, art and continuous skilling through internships.



4. Research-based Learning

Unique facility of training and research centers with state of the art experimental setup to provide unsurpassed opportunities to students to advance themselves in research in every area possible.



Carrying 24 years of legacy in nurturing students into leaders

5. Collaborations

Academic Opportunities with 7 International Universities, 4 National Universities and Research Institutes of repute, Industrial alliances with 49 industries and 3 Associations for the overall development of students.



6. Esteemed Distinguished Mentors

20+ ESTEEMED DISTINGUISHED EXTERNAL MENTORS

from all over the globe are part of University to guide the students. They share their expertise with students through lectures and mentorship in projects and startups.



7. Global Exposure

COER University has a total of

7 PARTNER UNIVERSITIES

in the USA, Canada, Russia and other countries to provide a holistic approach to global learning and opportunities to study abroad in our partner Universities.



8. Earn while you learn

Incubation and Innovation Cell, to promote "Earn While You Learn". University provides seed funding and infrastructure to students to take their ideas to next level.



Carrying 24 years of legacy in nurturing students into leaders

9. Qualified Faculty

AROUND 200

Qualified and experienced faculty members out of them 78 having PhDs from IITs and NITs. 199 Faculty Development Programs and training programs in emerging topics were completed in the last year by faculty members.



10. Campus Placement and Career Counseling

Round-the-year placement activities and training sessions to ensure suitable industrial jobs for all students before they leave the portals of the University.

HIGHEST PACKAGE = 44 LPA & AVERAGE PACKAGE = 5.2 LPA



11. Mentorship

Mentorship from experts is provided to those who wish to go for higher education or for a start-up of their own.



12. Association of Indian Universities (AIU)

As a member of the Association of Indian Universities (AIU), students of the University can participate in PAN India academic, cultural and sports events with students of more than 800 other universities.



Carrying 24 years of legacy in nurturing students into leaders

13. Enriching Academic Ambience

Student Centric Campus with more than 5000+ students; Hostel Facilities for 2500+ students; committed Student Bodies. Regular feedback mechanisms and a transparent system make the learning experience enriching.



14. Additional Academic Activities for Career Enhancement

Besides course curriculum, a number of add-ons such as: Value Added Programs, and On-line certification courses are offered.

ABOUT 140 MOOC COURSES (NPTEL / COURSE ERA / EDX) WERE COMPLETED BY STUDENTS AND FACULTY MEMBERS IN THE LAST YEAR.



15. Infrastructure

75+ Smart Classrooms with digital LED panels, LCD projectors and wi-fi. UNIQUE Do It Yourself (DIY) lab for students, 15+ Centers of Excellence to work on Live projects, 30+ Well-equipped laboratories with the latest equipment.



16. Green Practices

One of the first Universities in Uttarakhand to adopt Environment-Friendly Green Initiatives; Solar PV panels, Solar Water Heaters, Waste Management system, Pollution-Free, Polythene and Plastic-free campus.



Opportunities to Learn and Find Prowess

A visionary management and strong academic leadership have been the principal strength of COER University. The learned academicians, who have rich experience of working with eminent institutes like IIT Roorkee, have provided a robust academic and administrative model for the university during its development stages.

How You are Taught

Students from all our colleges enthusiastically attend lectures, seminars, and practical that are organised by faculty members at the University. Students also take part in the Mentor-Mentee programme at the university, which is one of our strongest points. Here at COER University, students are required to devote 38 to 40 hours per week, for there academic learning. During the summers / winter break, students work on projects, internships, and other extracurricular activities.





Interactive Lectures

The University promotes research-based instructional strategies and classroom techniques that improve student performance and learning. The Class lectures and guest lectures are an excellent platform to learn about the most recent research. In these lectures, concepts are first introduced in their simplest form, and the teacher gradually progresses from simple to complex procedures to research. Online lecturers from eminent academicians who are leaders in their fields guide and motivate our students in their research and projects.

Tutorial Sessions

Faculty members of the COER University conduct highly interactive tutorial sessions. The interactive techniques involve short writing exercises, quick pairings or small group discussions, individual or collaborative problem solving, or drawing for understanding.

These tutorial sessions help the faculty to have one to one interaction with students and help them out with their academic problems.

Practical Classes

The University has well equipped and furnished laboratories to facilitate students to enhance their skills through experiments, demonstrations and live presentations. Students practice in the laboratories using equipment and accessories, along with classroom learning.

The University aims at developing the minds of the students, the abilities of application and skills of experimentation.

Industrial Trips

The Industrial visits help students to meet and get inspired by industry leaders, policymakers, and professionals. These visits help students in gaining awareness of how the industry actually operates. They enable students to get hands-on practical training in the latest technology and market trends. They also provide opportunities to plan, organize and engage in active learning experiences both inside and outside the classroom.

The COER University has also "Study Abroad" program under the scope of International MoUs where students get an opportunity to learn in the countries; USA, Canada, South Utah Russia and the Middle East.





Independent Research

The University encourages students to carry out their own research, test out theories and put forward their own ideas. The skill of conducting research is an extremely useful life skill that can help students in gathering and analyzing information, developing knowledge, thinking critically and exercising their mind. It is a skill that benefits students beyond their academic life and enables them to better understand the world around them.

Work Experience

All courses contain a "work experience" component that gives students the ability to learn about their career options. And during the summer and winter breaks, the university arranges internships for students to help them learn in a professional and industrial setting.

Our Inspiration



Shri Seth Roshan Lal Ji was born in 1917 at village Khekra, District Baghpat, Uttar Pradesh. He took up his ancestral khadi business. The fact that he was known as "Seth Ji" was a reflection of 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 Khekra. 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. Tarawati Jain, his son Shri Jinesh Chand Jain with his wife Smt. Sunita Jain created Seth Roshan Lal Jain Trust which is dedicated to the spread of technical education in North India.



Shri J.C. Jain

Hon'ble Chancellor

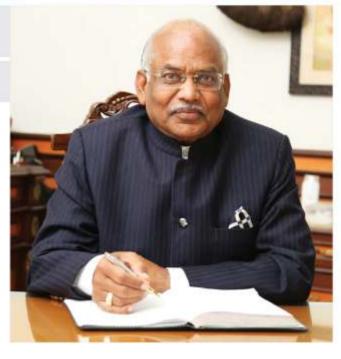
Dear students,

Welcome to COER University. Our vision is to promote excellence in higher education for an exciting and comprehensive society through knowledge creation and distribution. Our education will help you to meet national and global challenges. I believe that for students, the degree represents competence certification and a passport to advanced education or gainful employment, livelihood, and prosperity. They have an essential role to play in the development of the Nation and hence, have to handle their future with confidence and capability.

COER University is committed to fostering its students, the pursuit of individual excellence and participating in a full range of academic, spiritual, cultural, social, and physical activities; and to making them evolve as all-rounders. It inculcates development in all facets of life. Our team of dedicated and highly qualified faculty strives to widen the student's horizon of learning, thereby helping every student to taste success. We take special care that our ideas are not merely discussed but executed. We aim to establish benchmarks in academic excellence and holistic grooming to help our students meet the challenges of increasingly globalized economic conditions.

COER University is pursuing a holistic approach. Thus, it encourages curricular, co-curricular and extracurricular activities that shape the students' physical, mental and intellectual growth. Our infrastructure is vast with equipped laboratories and highly qualified and motivated faculty who work with commitment and enthusiasm for the cause of education and research. Our teaching and non-teaching staff work with dedication and commitment.

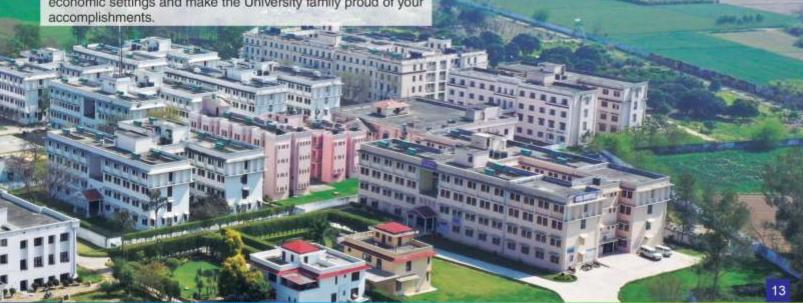
I pledge to you, on behalf of the University family, that we will help you achieve your goals in life in the varied social, cultural and economic settings and make the University family proud of your accomplishments.



- B.E. in Mechanical Engineering from Gwalior in 1969
- M. E. in Production Engineering from BITS, Pilani in 1971
- S Founded Texplas India Pvt. Ltd. (TIPL) in 1975
- Established COER in 1998

He has been honored with various awards by several leading societies and institutions, some of them being:

- Udyog Patra Award (1983), Udyog Ratna Award (1990)
- Uttarakhand Ratan-Award (2008)
- In 2014, "Sammedachal Foundation" has conferred him the title of "Jain Shiromani" and "Jain Samaj Ratan"





Shri Shriyance Jain

Pro Chancellor

"Dear Students, I would like to use this occasion to welcome all new undergraduate, graduate, and doctoral students to the university who are joining us from throughout the nation and internationally. Through leading-edge education in science, technology, education, the arts, and management combined with spiritual renewal for their holistic growth to serve humanity with compassion and love, the university's objective is to change and empower young men and women's talent.

We believe in striving for perfection in all aspects of life. Vision for COER University is to become a Centre for advanced research in all spheres of education from engineering to management and from biotechnology to medical. Through the development of young human resources with moral and ethical principles as well as the enhancement of their leadership abilities, research cultures, and inventive capabilities, COER University has been on the route of providing quality education.

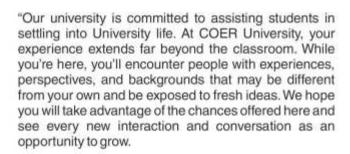
The institution is committed to provide genuine education that is founded on quality and moral principles. To achieve this, the curriculum is continually updated and corrected by professionals from the industry, outside specialists from renowned national and worldwide universities, and regulatory bodies. Bench marked with the course of studies of various institutions of repute, our curriculum is extremely contemporary and results from brainstorming efforts of great think-tanks: many faculty members, experts from industries and research level organizations. The evaluation

process makes use of grade point averages and continuous assessment. We firmly believe that it will fulfil the hopes of all parties involved, including the students, parents, and potential employers of COER University graduates and postgraduates. I hope you would love the facilities available here and gain knowledge."

- Initial Schooling at DPS Ranipur, Haridwar, Uttarakhand.
- High School at Le Rosey, Switzerland in the year 2003.
- Pre-engineering in Mechatronics at the University of Manchester in the year 2005.
- International Business from Grenoble Graduate School of Business (Ecole Superior de Commerce), France in the year 2007.
- Managing Director, Texplas Group of Companies, Haridwar since 2007.

Mrs. Sunita Jain

Vice Chair Person Seth Roshan Lal Jain Trust



As the university administration, it is our responsibility and duty to provide the highest level of education to our students in every field. It provides golden opportunities to lead a life of dignity & prosperity. To achieve this goal, several add on courses, training in placement, personality development, communication skills, and other soft skills are provided by expert members.



We are steadfastly devoted to realising our ongoing mission of creating educational opportunities for students that are fair, healthy, and fulfilling for both you and us. For you to take full advantage of your time at COER University, we are committed to working with you throughout your entire academic career.

We help our students to enhance their talents via quality education and motivate them to work on multiple projects with zeal to improve their knowledge and build on their confidence. I believe, education not only aids in revealing and investigating each individual's hidden mysteries, but also aids in the development of moral ideals and rational thinking in a society."

- Graduation from Delhi University in 1973.
- Masters in Operation Research from Delhi University in 1975.





Mrs. Charu Jain

Executive Director

"College education is the foundation for all future possibilities in the life of a student. Also, quality education is a passport to its steep rise in life and creates practical avenues to attain financial gains. We acknowledge the students, parents, teaching and non-teaching staff and society in general as our stake holders for their continuous support in taking this institution to greater heights. We never compromise on any part of our quality and our policy of providing technical education to international standards.

At COER University, our students are our purpose. Whether it's finding your place and space on campus, connecting with other students who share and challenge your perspectives, stretching your own understanding of yourself and your world through training and programs, trying out new things, caring for yourself, or gaining a better idea of what you believe and value, we are here for you. Our experienced faculty are

focused on your health and well-being; diversity, equity, and inclusion work; and student engagement and involvement in a multitude of ways. Here, I would like to say firmly that we believe in you and all that you can achieve. And we will be here for you every step of the way, walking beside you in challenging moments and celebrating your successes with you along your journey.

We believe in creating a perspective that makes us a competent and collaborative institution. Our vision is to create leaders for tomorrow who are not scared to face any challenges in life."

- Schooling from Delhi Public School, New Delhi
- B.Tech in CSE from BITS Pilani in 2007
- MSc in Economics from BITS Pilani in 2011
- Digital Marketing from IIM Kolkata in 2021



Dr. Satya P. Gupta

Vice Chancellor

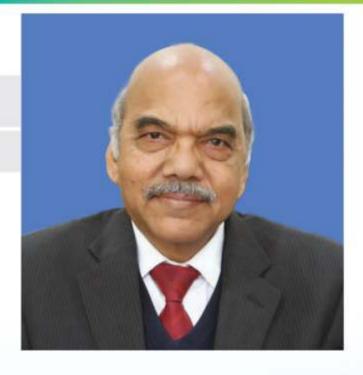
Dear students.

The future belongs to those who can imagine it, design it, and execute it. It isn't something you await, but rather create." - HH Sheikh MBR Al Maktoum, Ruler of Modern Dubai.

"Welcome to the beautiful campus of the University with sprawling lush green open spaces and imaginatively designed academic and residential buildings that are waiting to welcome you as a new student on its campus. To face the competitive challenges of the highly complex professional world, our eminently qualified teachers will equip you from day one with technical skills, problem solving skills and sharpen your communication and presentation skills to make you confident and competent."

The institution hosts many conferences, seminars, and workshops on a national and international level to provide its students with apt exposure. Such activities offer the students a variety of experiences and foster traits like teamwork and leadership that are beneficial to their careers. Our faculty members have successfully published high-calibre research in reputable journals with high-impact factors. On campus, there is frequent interaction between the faculty and the students. The learning opportunities on campus provide a good foundation for improving students' overall development.

I wish and assure you, on behalf of the University family, that



- Associated with IIT Roorkee for 42 years
- Ex Deputy Director IIT Roorkee
- Post-doctoral work from University of Bristol under Commonwealth award in 1989-90.
- Research at University of Puerto Rico (USA) in 1990-91.
- Published 75 research papers
- Guided 11 PhDs.
- Received best paper award from the Institution of Engineers (India) twice.





Dr. B. M. Singh

Group Director

"COER University is bound together by a deep-rooted sense of community and shared purpose. Our commitment to excellence in education, learning and research is uncompromising. My student days at COER offered me the precious opportunity to challenge and deepen my knowledge. They also provided the space and the time to broaden my intellectual horizons. Today COER University continues to reach outwards, welcoming an ever more diverse group of students who have the desire and ability to learn and produce new insights that shift and deepen our understanding of the world around us.

COER University emphasizes learning, creativity, innovation and collaboration with Engineering, Computing, Management, Agriculture, Medical and Paramedical Sciences. Students' experiences inside and outside the classroom simultaneously prepare them for meaningful lives and careers, broaden their outlook, and help in shaping their character."

- Graduated in Computer Science & Engineering Discipline from College of Engineering Roorkee (COER), Roorkee.
- M.Tech in Computer Science & Engineering Discipline from Uttarakhand Technical University, Dehradun.
- PhD from Uttarakhand Technical University, Dehradun.
- Post Doc from University of Kentucky, Lexington, USA
- Published more than 35 research papers in International Journals.
- Published 22 Research papers in reputed International and National Conferences.
- Granted 7 patents and 3 research grants
- Guided 8 Ph.D Thesis of UTU Dehradun.
- 18 years of Teaching Experience.
- Achieved the Youngest Dean Award by GECL in 2018



Dr. S. P. Pandey

Pro VC (Engineering)

"It goes without saying that we live in an age of considerable trepidation. Much of today's problems have to do with the education system, which prioritises technical know-how over the development of the human conscience. COER University started with the noble vision of developing responsible leadership, who can face the daunting realities and global challenges with courage and a strong sense of national pride and moral values. The next generation of leadership can only evolve through a highly concerted effort by the university management, teachers, guardians, and last but not the least, the students themselves. In the last decade, lots of technical institutions have been set up across the country, creating a large number of professionals every year. We at COER University, right from its inception, are determined to produce good-quality professionals. The university is committed to building the future of its students. We tirelessly work towards building our students' skills-set, knowledge, and intellect. We polish our students with modern, state-of-the-art resources and experienced and energetic faculty members. Our students are emerging leaders who will help in shaping tomorrow's world with strong societal values.

- B.Tech in Mechanical Engineering from KNIT, Sultanpur (UP) in 1987.
- MTech in Automobile Engineering from Madan Mohan Malviya Engineering College Gorakhpur.
- Ph.D. in Mechanical Engineering from Madan Mohan Malviya University of Technology, Gorakhpur.
- Expert of AICTE for New National Educational Policy.
- Awarded Bharat Sanchar Samman Award by BSNL.
- 33 years of experience in teaching, research, and academic administration).
- Guided many Ph.D. thesis, on Mechanical Engineering.
- Published 38 research papers.



Dr. Devendra Kumar

Director Admission

Education has been extremely important since ancient times. Education and knowledge are not only necessary for individual development, but they are also necessary for the development of the economy. Education nurtures a person's thinking and gives him/her the ability to think, act and move ahead in life. It empowers people and helps them to become proficient in all aspects of living. It is really very important; it opens the mind of people and gives them understanding and the ability to move forward and grow. Education is the only valuable asset that a human being can acquire. It is such a wealth that neither anyone can steal nor snatch it.

New National Education Policy 2020 is the first such education policy which aims to fulfil the upcoming requirement for the education system of our country. The policy proposes to reform and reorganise all aspects of the current education system. COER University is also committed to international standards by making changes according to the standards suggested in the new education policy with its strong activities. University in the field of Engineering, Management, Agriculture, Medical, Paramedical, Ayurveda, Nursing and other fields is dedicated to provide employable and value-based education based on international standards.

- B.Tech (CSE), COER
- M.Tech (Computer Science)
- Ph.D (Computer Science)
- More than 20+ years of experience
- An Alumnus of COER



Dr. Manish Kumar

Registrar

"As a registrar, I am a man on a mission, intend to achieve the vision set before us by our honorable chairman sir, which is becoming a center of excellence comparable to international standards.

I firmly belive that this 21st century belongs to young India and our young minds. The university provides a perfect blend of learning and personal growth to our young minds. We have the requisite infrastructure and experience to ensure that the teaching takes place in an environment of academic excellence. The office of the registrar is committed to this task and makes sure that the students have a memorable journey through the academic years that they spend at the campus. Apart from providing quality education at a reasonable cost, scholarships are available for deserving candidates.

Apart from academic rigors, the students are also provided with various opportunities to excel at sports and develop their personalities. I am confident that the students will have a life-transforming experience at the university. Encourage and welcome you to join us and fulfill your career aspirations."

- MBA (Finance) in 1999
- MCA in 2002
- M.Tech. in CSE in 2004
- Ph.D. in CSE in 2012
- Management Experience of 22 years

Opportunities to learn from the Best



DR GOPAL GUPTA

Erik Johnson Chair Professor University of Texas at Dallas At COER University, we are focused on providing education with a purpose. Our dedicated academicians are here to prepare you to go out into an increasingly global society and be the difference to help transform it for the better. Supporting continuously with our huge pool of **Distinguished Honorary Mentors** to make our graduates STAND OUT.



DR SVEN TRAVIS

Professor Parsons School of Design Brooklyn, New York



MR R MUKUNDAN

Managing Director & CEO Tata Chemicals Limited



MS RUCHI VARSHNEYA

Division Vice President Abbot Rapid Diagnostics lake forest, Illinoins



DR ANJALI AGARWAL

Professor Concordia University Montreal



DR AMBRISH CHANDRA

Professor Ecole De Technologie, Superiere (ETS), Montreal



DR DEBKUMAR CHAKRABARTI

Professor Department of Design, IIT Guwahati



DR HARPREET SINGH

Professor Wayne State University Detroit



DR RAMESH BANSAL

Professor University of Sharjah, UAE



DR PREMLATA JENA

Professor Department of Electrical Engineering. HT Roorkee



DR RAJAT AGARWAL

Professor Department of management studies, IIT Roorkee



MR PITAMBER SHIVNANI

Managaing Director and CEO GE T&D India Limited



DR NIKOLAY KURCHENKO

Professor Kuban State Agrarian University (KubSAU), Russia



DR IAKOV ILCHENKO

Professor Kuban State Agrarian University (KubSAU), Russia



DR P K JOSHI

Professor School of Environmental Science, Chairperson Special Center for Disaster Research, JNU, New Delhi



MR SOMESH PALIWAL

Scientist C, Regional Tasar Research Station Blümtal Dist. Nainital



DR ACHAL MITTAL

Sr. Principal Scientist CBRI Roorkee



DR ANITA RAWAT

Director USERC, Dehradun



DR DEBASHISH GHOSH

Professor Department of Electronics and Communication, IIT Roorkee



DR SUDIP ROY

Professor Department of Computer Science and Engineering, IIT Roorkee



DR YOGENDRA SINGH

Professor Department of Earthquake Engineering, IIT Roorkee



DR PARTHA PRITAM ROY

Professor gineering,

Professor Department of Computer Science and Engineering, IIT Roorkee



Opportunities to go Global Academic

National Collaborations



IIT Roorkee

Academic Partnership for collaborative research and learning, faculty & student interchange



NITTTR Chandigarh

Mentoring for NBA under 'Margdarshan scheme'

Academic Collaborations

COER University and Collaborating University encourage academic interactions between faculty and students through the following arrangements:

- Joint Research Work in mutually identified areas.
- Joint Participation in research programs and events of collaborating universities.
- Internship of selected students of COER University at Collaborating University.
- Guest Lectures from faculty members of Collaborating University for students and faculty of University.
- 5. Exchange of undergraduate and graduate students for limited periods.
- Organization of joint conferences.
- Joint guidance of student projects / thesis.
- Collaborative research and submission of joint project proposals.



AIESEC in Delhi University

Global platform for young people to develop their leadership potential through international internships and volunteer opportunities



Central Building Research Institute (CSIR-CBRI) Roorkee

Academic exchange, collaborative research, high skilled manpower for Civil Engineering graduates

International Collaborations

Academic Exchange and Research Collaboration



University of Kentucky, USA



Debre Tabor University, Ethiopia



Kuban State Agrarian University, Russia



École de technologie supérieure, Canada



Southern Utah University, USA



International American University, USA



Wayne State University, Michigan



Mahindra

Mahindra and Mahindra Ltd

Mahindra

Self Managed Team (SMT) Leaders program for their employees PYRAX 40 Years

Ругах

Internships and Collaborative Research Projects



Himalayan Environmental Studies and Conservation Organization, India

Internships, collaborative research, joint guidance of projects



INTEL-COER Institutions

Innovation and collaborative learning cisco Academy

CISCO Networking Academy

Authorized partner of CISCO Networking Academy to implement NetAcad Programs in their campus

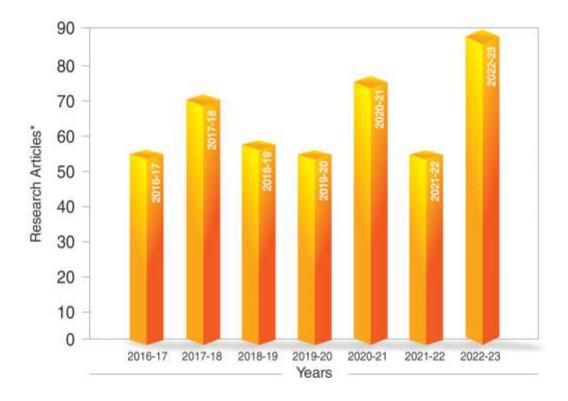
Industry Association



Industrial Visits, Internships, Projects and Incubation Centre

Opportunities to Research

Research and Development (R&D) activities are the backbone of academic life of any institute. The initiatives of COER University are always in line with this objective. COER University has research programs aimed at advancing knowledge, improving the world and shaping the future. Multi disciplinary research is key to our vision and strategy to address the diverse, complex and demanding problems of todays society. Much of our research activities are sponsored by Government research funding as well as industries and help in strengthening the undergraduate and postgraduate research programs. We aspire to become the leaders in research publications and patents. We also organize special lectures for research and Intellectual Property Rights. The thrust at COER University is to focus on Project Based Learning and Outcome Based Education. Students are being provided with academic eco –system, where in they may thrive to aspire more and work for attaining excellence.



*Research Articles include research papers in Journals, conferences &Book chapters.

Summary of Research Achievements

1.	Journal Papers	165
2.	Conference Papers	64
3.	Patents published	32
4.	Sponsored Research Projects Awarded	11
5.	Sponsored Research Projects Applied	07
6.	Book Chapters	57

Published Books



Some of the Patents are

- An Intelligent Irrigation System based on IOT and cloud computing
- Development of Advanced Artificial Intelligence Model and its Impact on Cryptocurrency Market
- Smart Toilet Management System
- An Integrated Hybrid Energy Storage System
- O IOT Based Electricity Meter System
- Impact of AI Artificial Intelligence in the (IoT) Internet of Things cyber security
- App to Predict, Detect And Monitor Chronic Auto immune Disease Using Al Tools
- A System for Solar PV Forecasting using Machine Learning Interface and Method Thereof
- A System For Finding Effect of Fuel Replacement on Performance of Hybrid Energy System
- A Control System Based on Al & MI for an Inhaling Device and Method Thereof
- Artificial Intelligence Based System, Program Products and Methods of Human Resources Planning and Development
- Flood security using Artificial Intelligence
- Artificial Intelligence based system, program products and method of human resources planning and development

Opportunities to Experience Innovation

Emerging Tech Labs on Campus

We are an inter-disciplinary and internationally embedded research and knowledge community, which conducts research into the social, cultural and experiential dimensions with the use of new and emerging technologies. Technological advances have started to impact every aspect of society, language and culture.



Computer Hardware, Software and Networking Lab

In this lab, the student learns about the hardware, computer systems, motherboard, processor, RAM, routers, switches, hard disks, printers, keyboards etc.



Language Lab

To facilitate computer-aided multi-media instruction enables individualized and independent language learning. To sensitize the students to the nuances of English speech sounds, word accent, introduction and rhythm.



Business Lab

Giving the exposure to students to investigate and creatively intervene the interface between business, technology, science and societal needs, with a focus on innovation catalysed by business design.



Advanced Agriculture Lab

It provides in-depth knowledge to students on advanced farming for many crop related practices along with the understanding of latest technologies like GIS and GPS used in agriculture.



Cloud Computing Lab

The Cloud Computing Lab is an advanced technology that utilizes existing hardware to offer end user's remote access to virtual machines.



Artificial Intelligence (Deep & Machine Learning) & Data Science Lab

Artificial Intelligence (AI) and Machine Learning(ML) are fast-moving technologies, but it's still in its infancy. AL-ML lab will lead to robot development with the intelligence of moving, changing track and giving answers. Similarly with help of machine learning, future prediction can be done through previous data using different algorithms and library functions.



Web & App Development Lab

Provide continuous training to the students in the field of Mobile and Web Application Development and provide a platform to showcase their ideas in various competitions.



IoT Lab

IOT lab will dedicatedly work on making connection with devices and enabling them to control with human speech and various OS like android and ios. It will also lead to automation development with wifi or Bluetooth connectivity.



Graphics & Animation Lab

Developments in computer graphics have had a profound impact on many types of media and have revolutionized the animation and video game industry.



Cyber Security & Blockchain Lab

In Cyber Security lab, students learn security features to be implemented through the softwares which can be used to resolve cybercrime related issues. In Blockchain lab, students learn to develop blockchain and cryptocurrency projects that have tripple-bottom-line use cases.



AR/VR/MR

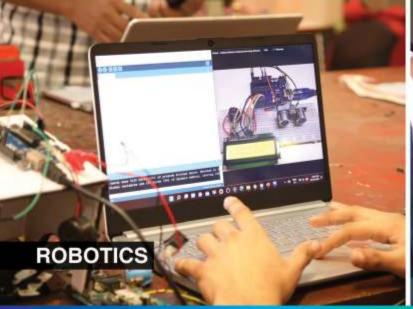
It creates a complete digital and artificial environment, a 360 degree, captivating user experience that feels real. In a VR setting, students can connect with what they see as if they were really present there. Through AR lab, students will learn an enhanced version of the real physical world that is achieved through the use of digital visual elements, sound, or other sensory stimuli delivered via technology.

Do it Yourself

Under the Project Based Learning Pedagogy, the University guides young talents to convert their dreams into reality for Innovation and Advanced Technologies such as AI, Digital Intelligence, Drone Engineering and Robotics Engineering. It provides mentoring and technical support to each student in their project implementation.

Selected student projects







Be a Game Changer

It is not just the textbooks that define education; rather, the quality of the student's experiences distinguishes them and establishes the path they pursue in building their future. Students must go above and beyond the regular educational system. To assist the learner in "Change the Game," they study at:

CENTRE OF EXCELLENCE (COE)

"A Tool for Capacity Building"

Centre for Industrial Technology on Pneumatic Application & Valve Research

Centre for Sensorics Technology & Application

Centre for PLC- Training & Application

Centre for Industry 4.0 Application Studies and Research

Centre for Internet of Things

COER University focuses on the empowerment of students, academicians and industrial manpower by filling the gap between academic education and industry requirements. At CoE, certified training programs and courses are designed in such a manner that students get maximum exposure to hands-on practices from day one of their training programs.

Centre for Technology on Space Applications Development and Research (SDNx)

Centre for Renewable Energy - Bio Fuel and Solar

Centre for Product Design with AR / VR

Centre for Computer Hardware and Networking

Centre for Data Science & High-Performance Computing

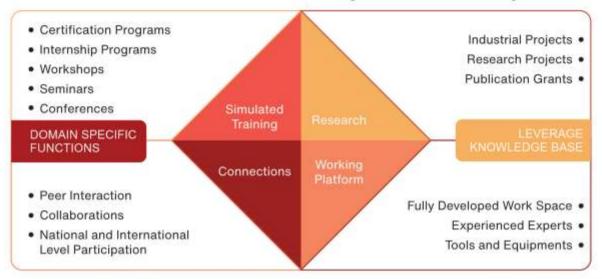


Each Centre of Excellence (CoE) has a team of skilled, knowledgeable professionals and instructors whose mission is to provide the best practices around a particular area of interest. CoE also includes representatives from industry, business and other national and international institutions.

FOCUS SECTORS

"A Tool for Capacity Building"

The Centre's deed is to focus activity on the FOUR quadrants:





College of Smart Computing

About

The College of Computing was formed with the vision to be a centre of excellence in education and research in the frontier areas of computer technology and engineering. With courses structured to run parallel to the real world, the college functions as an open platform on which broad minds and diverse voices thrive. Renowned faculty and industry experts share their experiences and groom students in a way that they can tackle pressing engineering problems efficiently and effectively.

The College of Smart Computing has a dedicated block containing digital classrooms and laboratories with well-equipped audio/video facilities with high computing resources. Multiple labs, offices, and meeting spaces provide a basis for practical knowledge and other necessary infrastructure, including advanced software and state-of-the-art hardware.

Program USPs

Advanced Computing Laboratories Earn While you Learn Club Academic
Collaboration with Intel
& CISCO

International Faculty Mentors

Offered Programs

- Diploma in Computer Science & Engineering
- B.Tech. in Computer Science & Engineering
 4 Years
- B.Tech. in C.S.E. with specialization in Artificial Intelligence & Machine Learning - 4 Years
- B.Tech. in C.S.E. with specialization in Cyber Security - 4 Years
- B.Tech. in C.S.E. with specialization in Data Science - 4 Years
- Bachelor in Computer Applications 3 Years
- Bachelor in Computer Applications (Honors)
 4 Years
- M.Tech. in Computer Science & Engineering in specialization with AI - 2 Years
- Master in Computer Applications 2 Years
- Ph.D. (Computer Science & Engg. / Computer Science) (Full time / Part time)

Lab Resources

- IBM Software LAB for Emerging Technologies
- O C/C++/ Python Lab Database Management Lab
- Al & ML Lab Cyber Security Lab Computer Networks Lab Cloud Computing Lab
- Data Analytics Lab © Graphics & Animation Lab
- Web & Mobile App Development Lab
- Data Science Lab



Value Added Programs

To Bridge the gap between industry and academia, the College of Smart Computing offers different Value added Programs. A list of Value-added Programs is given below:

B. Tech	BCA	MCA	
 Python Programming Natural Language Processing Deep Learning Data Science Full Stack Development Data Analytics with Tableau 	 Cloud Computing Virtual Reality and Augmented Reality Android Development Machine learning Database with MongoDB 	 Web Designing using PHP, Angular JS, Node JS Cyber security and Forensics Technical Training Advanced Deep Analytics Ethical Hacking Cybersecurity 	

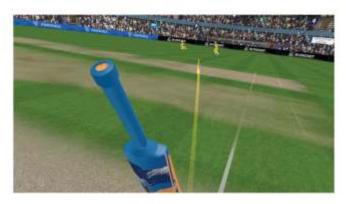
Department Achievement

- 1. International Faculty Mentors
 - Prof Leonid Popok, Kuban State Agrarian University Russia
 - Prof (Dr) Harpreet Singh, Department of Computer Science, Wayne State University, Detroi, USA
 - Dr Gopal Gupta, Department Head, Computer Science, The University of Texas, USA.
 - Prof Anjali Aggarwal, Department of Electrical and Computer Engineering at Concordia University, Montreal, Canada.
 - Prof Ambrish Chandra, École de technologie supérieure, Quebec, Canada
 - Dr. Ramesh Bansal Department of Electrical Engineering University of Sharjah
- 2. Department boasts the Highest Package of 44LPA and Average Package of 5.5 LPA
- 3. 35 + patents have been published by the Department



College of Smart Computing

Innovative Projects



Smart Virtual Lab for Electronics virtualization

Virtual reality has been widely used in video games to date, while augmented reality-based apps peaked in popularity a few years ago before fading. The greatest approach for virtual reality to become a top technology trend in the future is for it to become ingrained in people's daily lives.



Augmented Reality on climatic analysis

AR Weather, a simulation application, which can simulate three types of precipitation: rain, snow, and hail. We examined a range of weather phenomena and how they may be simulated in a mobile augmented reality system. AR Weather was developed and deployed on the Tinmith wearable computer system to enable autonomous and free movement for the user.



Smart Virtual Lab for Electronics virtualization

Virtual Labs have been designed to provide remote access to labs in various disciplines of Science and Engineering. These Virtual Labs cater to students at the undergraduate level, postgraduate level as well as to research scholars. Virtual Labs also provide a complete learning management system where the students can avail various tools for learning, including additional web resources, video lectures, animated demonstration, and selfevaluation.



Accident detection and Alert System using IOT and Sensor's

An Android app for detecting accident & alert system is designed using Android studio, wireless technologies like GPS for finding the location of vehicles in terms of latitude and longitude, as well as GSM for sending messages on mobile at the receiver end.



Crime prediction and analysis using machine learning

The criminal cases in India are increasing rapidly due to which number of cases pending are also piling up. Recognizing the criminal activity patterns of a place are important in order to prevent it from happening. The crime solving agencies can do a better job if they have a good idea of the pattern of criminal activities that are happening in a particular area.

Career Options

























College of Engineering

About

The Department of Civil Engineering facilitates students in an intellectually stimulating environment. Its laboratories are equipped with excellent and advanced equipments and provide all required facilities for advanced research in specific fields of Civil Engineering. The curriculum includes practical training, project work, expert lectures, and more. It is staffed with highly qualified and enthusiastic faculty members with diversified fields of specializations, coming from reputed institutions like IITs, NITs, etc. The faculty members continue to strive hard by exploring new frontier knowledge, imparting the latest technical knowledge to the students, and conducting high research. Apart from classroom teaching, emphasis is given on performing experiments in labs, Live Projects and Industrial Visits. The students get placed in premier Indian and multinational core Civil Engineering companies and go on to attain prestigious positions. Many of our students are also pursuing Master/Doctorates from NITs/IITs and abroad universities. We have very strong alumni network in reputed organization all over the world that helps to grow our students.

Program USPs

Laboratories with advanced equipment

Advanced Curriculum

State-of-the-art infrastructure

Live projects



Department of Civil Engineering

Value Added Programs

- Computer H/W, S/W & Network Troubleshooting
- Basics of AUTOCAD
- Building Information Modeling using Autodesk REVIT Software/AutoCAD 3D
- Modeling and Simulation of Structural Elements using STAAD.PRO (I)
- Modeling and Simulation of Structures using STAAD.PRO (II)

- Seismic Analysis of Buildings using SAP2000 Software
- Analysis and Design of Structures using ETABS Software
- Advance Surveying Techniques (GNSS and Advance Surveying using DGPS)
- Advanced Construction Techniques.



College of Engineering

Innovative Projects



Vertical Car Parking

This project deals with manufacturing of a prototype of Vertical Car Parking System. This system can be used in cities to reduce the problem of unavailability of land for parking



Earthquake Resistance Building

Seismic base Isolation & response control methods of buildings, are able to make buildings resilient against earthquakes and have become popular during the last three decades all over the world.



Plastic Aggregates For Construction

The study demonstrates that plastic bottles shredded into small PET particles may be used successfully as sand- substitution aggregates in light weight concrete composites, which appears to offer an attractive low-cost material.



Eco Bricks

Plastic Bottle Bricks are simple and accessible technology that can transform everyday plastic materials into a useful building material. Plastic bottles are stuffed full of trash until they are as compact as bricks. These are known widely as "EcoBricks".



Bamboo Reinforced Concrete

Using bamboo in place of steel for reinforcement, is an excellent choice for reinforcement in concrete because of its higher strength as compared to steel by weight. The tensile strength of bamboo is 3-4 times that of steel.

Department of Civil Engineering

Career Options



















College of Engineering

About

The Department, besides being piloted by elite faculty, what sets it apart from the flock is the laboratories - one of the best equipped in the country. The syllabus is reviewed regularly to incorporate the cuttingedge technologies prevailing in the field from time to time. The Department has justifiably provided itself with the quality of its academic programs and is keeping pace with the latest developments in engineering education. It endeavors to produce confident professionals tuned to real-time working environments. It offers an 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 syllabus emphasizes core mechanical domains like Production, Design, and Thermal Engineering & their latest technologies along with some computing subjects.

Program USPs

DIY Labs

Research Oriented Atmosphere

Industry Oriented VAPs More than 90% Placements



Department of Mechnical Engineering

Value Added Programs

- Auto CAD- 2D
- Green Manufacturing Techniques
- Solid works
- Programmable Logic Controller

- Industrial Automation-1
- Industrial Automation-2 (Pneumatics)
- Refrigeration and Air Conditioning
- Technical Aptitude

Departmental Achievements

- 1. Four patents and ten research papers were published in 2022 in International / National Journals.
- 2. Four books and book chapters were published last year.
- 3. Three startups registered in 2022.



College of Engineering

Innovative Projects



Design and Fabrication of Monowheel Bike

A monowheel is a one-wheeled single-track vehicle similar to a unicycle. Instead of sitting above the wheel as in a unicycle, the rider sits either within the wheel or next to it. The working model of the monowheel was fabricated and tested.



Vertical Take-off Landing Hybrid Amphibian Vehicle

The main concept behind the Vertical Take-off Landing Hybrid Amphibian Vehicle (VTOL HAV) is to combine the capabilities of traditional drones in a single unit. The design is made such that the drone should be able to cover the land or water terrains first and if it requires to take an aerial flight, it should transform into a Quadcopter and continue its mission.



Performance assessment of double-pass parallel flow solar air heater with perforated multi-V ribs roughness

In this project, an experimental comparative study was performed on a Double Pass Parallel Flow Solar Air Heater (DPPFSAH) roughened with continuous and perforated multi-V rib roughness.



Semi-Automatic Packaging Station For Luxor Sketch Pen

It is automated packaging machine of Luxor sketch pen by which 2,00,000 sketch pen packets can be packed in a working day. Machine model shows that sketch pens moves in a taper packet along its length with no involvement of any person and the whole packaging would be without involvement of workforce to the stock line.



Advanced Littering In Vehicles

Advanced littering system in vehicles is a mechanism to collect and store and the litters or garbage in transport vehicles. This system can be integrated with the body of bus outside the window to throw the litters inside the collecting duct of this system.

Department of Mechanical Engineering

Career Options



















College of Engineering

About

The Department of Electrical & Electronics offers a comprehensive and extensive course combined with excellent infrastructural facilities. Besides being piloted by elite faculty, the department boasts of its laboratories - one of the best equipped in the country. The Electrical & Electronics Engineering Department has been producing exceptional academic results on a consistent basis ever since its inception. The various labs and workshops encompass the vital aspects of Electrical & Electronics Engineering viz, Electrical Machines, Power Systems, Control Systems, Electric Drive, Power Electronics, Network Labs. Industrial visits and educational tours are regularly conducted as an integral part of the curriculum to familiarize the students with the industrial environments, working conditions and recent industrial developments.

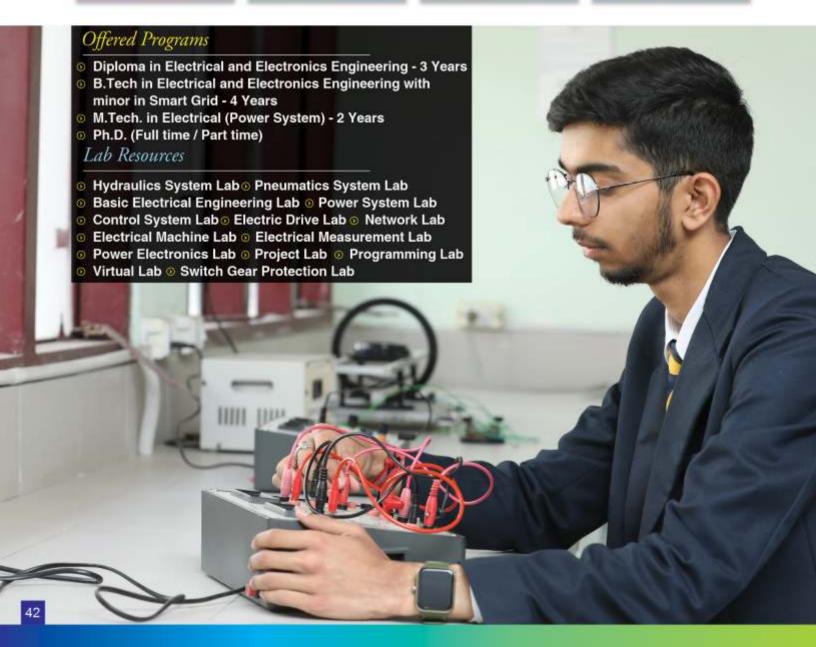
Program USPs

Publishing Patents

Centres of Excellence

Educational Tours

Government Funded Projects



Department of Electrical & Electronics Engineering

Value Added Programs

- Basics of Electrical Engineering
- Computer hardware and networking
- Programming with MATLAB

- Introduction to PLC
- Industrial Automation Pneumatics
- Industrial Automation Hydraulics



College of Engineering

Innovative Projects



MPPT-Based Solar Tree Using IOT

A solar tree is a structure or artwork digging photovoltaic technology on a single pillar, like a tree structure. Each panel is at an inclination angle of 22.5° towards south-east direction. An MPPT solar hybrid inverter is used to yield the maximum solar energy which will be stored in the fast-charging solar battery.



Solar Tracker For Maximum Power Generation

Solar Trackers are used to keep solar collectors/solar panels oriented directly towards the sun as it moves through the sky every day. Solar Trackers can increase the output of Solar Panels by 20-30% which improves the economics of the solar panel project.



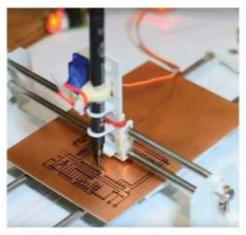
An Active Cooling System For Photovoltaic Modules

In this project an apparatus called coolant recycling system, which is made onto the pre-manufactured solar panel taken. The internal temperature of solar panel affects the overall output energy, as when the temperature increases, output energy of the solar panel decreases. To tackle this problem, the coolant recycling system is designed to absorb heat from the solar panel, allowing it to remain at low temperatures and produce maximum amount of energy



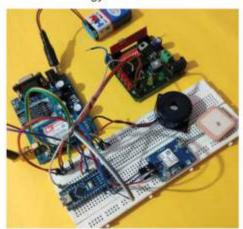
Smart Blind Stick

The Smart Blind Stick scans the path in front of it with the help of an Ultrasonic sensor. Whenever the sensor detects any object in its path the buzzer starts beeping and also at the same time the LED turns on.



CNC Mini Plotter Machine

Mini CNC plotter machine is described as it is based on Arduino controller and CNC shield. CNC is computer numerical control machine. G codes are preparatory Function.



Women Safety Device With GPS Tracking And Alerts - "Suraksha"

To help resolve the issue of Women Safety, a GPS based women's safety system is proposed that has dual security features. This device consists of a system that ensures dual alerts in case of a women is harassed or she thinks she is in trouble.

Department of Electrical & Electronics Engineering

Career Options



















College of Business Studies

About

At the College of Business Studies (COBS), we focus on the principles of responsible business, policy and practice. This vision enables us to equip our students with the skills to evolve into global citizens capable of addressing the pressing needs of society.

We believe that well-rounded, high-quality education is the key to producing empowered students who can face the challenges of the corporate world with creative solutions and sharp intuition. Our curriculum reflects the needs of present-day dynamic business and the current economic scenario to prepare a breed of professionals with the skills and spirit to stand out in the business arena.

Program USPs

Industry-oriented curriculum Live projects and excursions

Professional skill development modules

trong recruiters network





College of Business Studies

Innovative Projects



Impact of Covid-19 on Digital Marketing opportunities and challenges

COVID-19 is the impetus for new online and digital platform innovations. This project highlighted the numerous platforms that embraced the opportunities available during the crisis.



Happiness begins with Good Health

This project intended to raise health awareness in rural communities. It was a joint effort with the SKF NGO to perform operations in rural areas.



Impact of Marketing Strategies in Private Universities on Admission

A Comparative study was conducted in this project among the private universities. Sample of private universities in India is taken and comparison is made on the following parameters

- Social Media connection with students
- Digital Advertisement
- Online Reviews
- 4. Promotional safety
- Creation and Promotion of Educational Apps
- Video Contents



Implementation of motivation factors in children's life at Azim Premji Foundation in building the future of society

Children's minds are fragile. This project employs the management concept of motivation to comprehend the underlying issues and apply the motivational factors necessary to instill faith in children for life



Key to Victory, Power to change "Education"

The project focuses on educating slum children in order to empower them to continue their education. Under this, the work is done in association with the KSS NGO in selected slum areas.



Challenges being faced in Food Distribution

The study centred on the Robin Hood Project. Our students designed the model to distribute leftover food to those who lack the essentials of life.

Academic Achievements

- Harshit Chaudhary, MBA, has grabbed paid internship project from IIT Roorkee under SPARK 175@
 IIT Roorkee scheme
- Faculty from COBS is part of MDP on Leadership Excellence module and Tejasvini Module at Mahindra, SIDCUL
- 93% of our students got enrolled in SWAYAM/ NPTEL Courses.

Career Option

Increasing numbers of specializations are being introduced to these programmes, making it easier for students to identify their primary interests and enter the top firms. They just need assistance from the finest management schools.

A few of the career options include...



College of Smart Agriculture

About

Agriculture is our wisest pursuit, because it will in the end contribute most to real wealth, good morals and happiness. The agricultural sector has always been regarded as the backbone of the Indian economy. College of Smart Agriculture at COER University strives for a flagship role in turning the rural unemployed youth to first rate agriculture entrepreneurs and agri-business managers of tomorrow. The college has been focusing on academic, research and extension activities in agriculture at the National and International level. College of Smart Agricultural has developed the best state-of-the-art infrastructure, including ICT-enabled classrooms, well-equipped laboratories, well-maintained practical fields, an advanced crop research farm, a well-maintained Horticulture Garden and mesmerizing landscape on the campus, and a good number of distinguished faculty members. We are encouraging a unique learning environment that assures students to tune up with the 21st Century and thus boosts their holistic development.

Program USPs

State-of-the-art educational infrastructure Network of foreign collaborations Technology & management synergism

Strong industry interface



Lab-Resources

All the labs are equipped with advanced equipment/ experimental setups for the students to perform the practical work pertaining to the theoretical aspects of the technology they have been taught in the classrooms. Most of the experimental designs are interfaced with computer systems so that the students can verify the results analytically and digitally. Labs are set up with the objective of enhancing the student's knowledge in the field.

- Soil Science Laboratory
- Horticulture Garden
- Plant Pathology & Microbiology Laboratory
- Genetics and Plant Breeding Laboratory
- Crop Research Farm
- Greenhouse & Nursery
- Mushroom Cultivation Unit

- Navagrah Vatika
- NADEP Pits
- Vermicompost Unit
- Forestry Laboratory
- Agronomy Laboratory
- Agro Meteorological Observatory



College of Smart Agriculture

Innovative Projects



Digital Farming

The purpose of digital farming system is to collect and interpret data, and to give the best recommendations possible to farmers (or other stakeholders), in terms of water, soil and nutrition management. These tools and services improve our overall crop nutrition solutions by supporting the farmer with intime and precise application.



Integrated Farming System

The benefits and goals of integrated farming aim at enhancing productivity per unit area, profitability, proper waste management, soil health management, livelihood improvement, fight against deforestation and overall environmental safety.



Recirculating Aquaculture and Aqua-ponics System

Recirculating aquaculture and aqua-ponics system is an integrated fish and plant production technology mainly comprising of two subsystems viz "Aquaculture" and "hydroponics." This system is useful for rearing fish and plant in indoor tank in a controlled environment. In this system, plants grow fast because they get nutrient substances from the fish waste.



Vermi Composting:

Vermi composting is the scientific method of making compost, by using earthworms. They are commonly found living in soil, feeding on biomass and excreting it in a digested form.



Drip Irrigation

Drip irrigation is a type of microirrigation system that has the potential to save water and nutrients by allowing water to drip slowly to the roots of plants, either from above the soil surface or buried below the surface. The goal is to place water directly into the root zone and minimize evaporation.



Mushroom Cultivation:

Mushroom farming consists of six steps, and although the divisions are somewhat arbitrary, these steps identify what is needed to form a production system. The six steps are Phase I composting, Phase II composting, spawning, casing, pinning, and cropping.



College of Paramedical Sciences

About

The College was founded in 2021 under the chairmanship of Shri J. C. Jain to advance and develop paramedical teaching and learning. The Management is committed to providing education in paramedical sciences and developing this Institute into a model of an exceptional Academic Center for Learning and research that will serve not just the people of Uttarakhand but the entire nation. The college aims to prepare professionally competent and qualified Technicians & paramedical experts to be at the forefront of new advancements in the field of health care, administration, and research. The college emphasizes the students' overall growth in order to produce well-cultured and civilized members of society.

The college has a 100-bedded hospital with contemporary medical facilities, including a state-of- theart OPD and IPD, Pathology, Radiology, Pharmacy, Physiotherapy, ICU, NICU, Operation Theater, Mother & Child Care Unit, Day Care Unit, etc. to fulfil this aim. Paramedical professionals play a crucial role in the healthcare system by providing support and assistance to medical professionals in various settings. Their role is focused on delivering specialized healthcare services that complement the work of doctors, nurses, and other healthcare professionals. Paramedical professionals are also known as allied health professionals and are trained in specific areas of healthcare and work closely with patients to diagnose, treat and Rehabilitate Individuals. In this current scenario, the demand for radiographers, ECG technicians, OT technicians, and audio motorists has been increasing. All those courses are extremely valuable for getting good job opportunities in the healthcare sector.

Program USPs

Industry-oriented curriculum Live projects and excursions Professional skill development modules

Strong recruiters network

Offered Programs

- Bachelor in Medical Laboratory Technology (B.M.L.T.) (3 Years + 6 Month Internship)
- Bachelor of Physiotherapy (B.P.T.)- (4 Years) + 6 Month Internship
- Bachelor of Medical Radio
 Diagnosis and Imaging Technology
 (B.M.R.I.T.) (3 Years + 6 Month Internship)

Affiliation & Approval :

Approved by Paramedical Council of Uttarakhand Affiliated to Hemvati Nandan Bahuguna Uttarakhand Medical University Dehradun, Uttarakhand.

Lab Resources

- Anatomy and Physiology Lab
- Microbiology Lab ⊚ Pathology Lab
- Biochemistry Lab X-Ray Lab
- Exercise therapy Lab
- The Electrotherapy demonstration Lab
- Computer Lab



Career Options

Paramedical College provides placement opportunities for its students according to their specific requirements to allocate a job that best suits their needs. We also organize campus selections from various reputed hospitals. A few of the career options include:

Course	Career Opportunities in Academics	Career Opportunities in Hospitals	Other Opportunities
BMLT BMRIT BPT	Assistant lecturer Clinical Instructor Lab technician	 Lab technician X-Ray technician MRI technician CT technician Pathologist Physiotherapists Technical officer Pathologist Blood Bank Technician 	 Radiology RSO Blood bank centre Radio therapy Pharma industries Food & Beverages industry Optical laboratory technician Angiography



College of Nursing

About

College of Nursing was established in the year 2020 under the Chairmanship of Shri J.C Jain. Nursing aims to prepare graduates to take up posts as competent professional nurses to provide curative and preventive care. The nursing profession is a noble profession and requires dealing with different types of patients regularly. The most essential skill or quality a nurse should be to have patience. Besides this, dedication to work with doctors, patients and other hospital administration, compassion, and excellent communication skills is also required.

The college is aimed at preparing graduates to take up posts as competent professional nurses to provide curative and preventive care. The program will further train the students to take up research initiatives in Nursing as well as apply an evidence-based form of practice. The college has a 100-bedded hospital with contemporary medical-surgical facilities, including OPD, IPD, Pathology, Radiology, pharmacy ICU, NICU and Mother & Child Care Unit, Day Care unit etc., to fulfil this aim. The college aspires to provide a graduate with a broad knowledge base, enabling them to work in the medical, health and family welfare fields with dignity and respect.

Program USPs

State-of-the-art infrastructure with modern amenities Collaborations with good Multispecialty hospitals

3600 development of students Experiential Learning

Offered Programs

- Diploma in General Nursing & Midwifery (G.N.M.) - 3 Years
- B.Sc. in Nursing 4 Years
- Post Basic B.Sc. Nursing 2 Years

Affiliation & Approval:

- Recognized by Uttarakhand Nursing and Midwives Council Dehradun, Uttarakhand
- Affiliated to Hemwati Nandan Bahuguna
 Uttarakhand Medical University Dehradun,
 Uttarakhand

Lab Resources

- Nursing foundation including Adult Health Nursing
- Advance Nursing Laboratory
- Pre-Clinical Science Lab
- Obstetrical and Gynecology Nursing Lab
- Community Health Nursing Laboratory & Nutrition Lab
- Child Health Nursing Lab
- Computer Lab
- Audio-Visual Laboratory



Career Options

Skilled Indian nurses are in high demand in developed countries such as the United States, New Zealand, Australia, and many more. In addition, qualified Indian nurses may find employment in the public and private sectors. We are committed to assisting our students along in their journey to the nursing profession. A few of the career options are as follows.





College of Pharmacy

About

The College of Pharmacy was established in the year 2023. It aims to offer Graduate and Diploma Programme in Pharmaceutical Sciences. Our programme creates specialist pharmacists, well-equipped to pave a way towards progressive healthcare. It is our earnest effort in creating individuals who will fortify the healthcare system by working alongside healthcare practitioners. The Curricula are designed by academics and industry practitioners, which nurtures and develops young minds into responsible Pharma Professionals who will contribute ethically to the future of Pharma Industry, government, Hospitals, Community, Society and Health-care system at large. Programmes are delivered through extensive practical in laboratories in addition to the theoretical study. Our University's futuristic healthcare model is an ideal place for an aspiring pharmacist to gain experiential training from the most accomplished professors in the industry.

Program USPs

Sophisticated Laboratories Well Equipped Machine Rooms

Equipped for Innovators Experienced and Qualified Faculty

Offered Programs

- Diploma in Pharmacy (D.Pharm.) 2 Years
- Bachelor of Pharmacy (B.Pharm.) 4 Years

Affiliation & Approval :

Approved By Pharmacy Council of India New Delhi

Lab Resources

- Pharmaceutical Laboratory : Training for preparation of Dosage, Analysis of Content of Dosage Forms
- Pharmaceutical Chemistry Laboratory: Practical and testing of chemical, studying nature of chemical reactions Preparation of the compounds.
- Pharmaceutical Analysis Laboratory :
 Analysis of drug samples for assessing the percentage of purity.
- Pharmacognosy Laboratory: Analysis of medicinal plants, Learn to identify the plant and medicinal value.
- Pharmacology Laboratory : To study human body and effects of drugs.
- Pharmacy Practice laboratory: To study the community and hospital pharmacy.



Career Options





College of Ayurveda & Hospital

Scope of Ayurveda

Ayurveda is a holistic system of medicine that originated in ancient India and has been practiced for thousands of years. It encompasses a comprehensive approach to healthcare, focusing on the balance and harmony of mind, body, and spirit to promote overall well-being. The scope of Ayurveda is quite extensive and covers various aspects of human life.

The job profiles after completing the BAMS programme are as the following:

Program USPs

Clinical oriented studies Deep knowledge of Ayurveda text

Studies through commentaries

Value Added Programs



Career Abroad

BAMS graduates have bright career prospects abroad, particularly in the field of medical tourism. There are numerous opportunities for Ayurvedic practitioners in GCC countries, such as the United Arab Emirates, Saudi Arabia, and Oman, where medical tourism is thriving. Additionally, countries in the West, including the United States and Canada, are also embracing Ayurveda, creating a demand for skilled BAMS graduates. The global acceptance and recognition of Ayurveda have opened up diverse career pathways for BAMS graduates abroad. Besides working as Ayurvedic practitioners in clinics, hospitals, and wellness centers, they can also explore opportunities in research and development, Ayurvedic product manufacturing, teaching and education, and health and wellness consultancy. These roles not only provide financial stability but also offer the chance to contribute to the advancement and integration of Ayurvedic medicine in a global context. When it comes to salary packages, opportunities abroad often offer more lucrative remuneration compared to India. Overall, the combination of increasing demand, favorable regulations, attractive salary packages, and diverse career prospects make pursuing a career abroad after BAMS a promising and rewarding choice for aspiring Ayurvedic professionals.



College of Health Sciences

About

The College of Health Sciences is dedicated to providing a comprehensive education and training experience in various health-related disciplines. The goal of the college is to prepare students for successful careers in healthcare, wellness, and research by offering a wide range of programs and courses. The college recognizes the importance of a multidisciplinary approach to healthcare, considering the complex nature of the field. As such, it offers diverse programs that cover various aspects of health and wellness. Through its programs and courses, the college aims to equip students with the knowledge, skills, and practical experience necessary to excel in their chosen fields. The curriculum is designed to be rigorous and up-to-date, incorporating the latest research and advancements in healthcare. By staying current with industry trends and developments, the college ensures that its graduates are well-prepared to meet the evolving demands of the healthcare sector. In addition to academic excellence, the College of Health Sciences emphasizes the importance of compassion and empathy in healthcare professions. It recognizes that caring for patients goes beyond technical expertise and requires a deep understanding of the human experience. The college strives to instill these qualities in its students, fostering a sense of compassion, respect, and cultural sensitivity. To support the educational experience, the college provides state-of-the-art facilities and laboratories. These resources enable students to gain hands-on experience and develop practical skills in a controlled and supportive environment. Additionally, the college offers opportunities for students to engage in research projects, internships, and clinical rotations, allowing them to apply their knowledge in real-world settings.

Program USPs

State-of-the-art Laboratories Best learning opportunities

Excellent Hands-on Experience Experiential Learning



Career Options

B.Sc. (Nutrition and Dietetics)

- · Food Quality Inspector
- · Personal Dietician
- · Nutrition Specialist
- Dietician
- · Food Processing Manager
- · Govt. and Pvt. Hospitals

BHA (Bachelor in Hospital Administration)

- · Healthcare Management
- · Hospital Executive
- · Blood Bank Manager
- Program Manager
- · Hospital Quality Assurance Manager
- · Public Health Administrator

M.Sc. (Nutrition and Dietetics)

- · Professional Dietitian and Nutritionist
- · Nutritional Therapist
- · Dietician / Consultant
- · Sports Nutritional Expert
- · Food Quality Inspector
- · Govt. & Pvt. Hospital Sector

MHA (Master in Hospital Administration)

- · Hospital Administration Manager
- · Deputy Medical Superintendent
- · Hospital Manager
- Medical Educator
- · Program Manager
- · Hospital HR Management
- · Hospital Director

MPH (Master of Public Health)

- · Consultant Public Health Expert
- Epidemiologist
- · Domain Expert Public Health
- · Public Health Program Manager
- · Public & Pvt. Hospitals
- · Govt. Sector





Eminent Personalities in Campus

EMINENT
PERSONALITY
VISITED US



















- 1. Dr. Madhuri Bartwal Padma Shri Awardee 2022
- Mr. Manoj Sarkar Broze Medalist Tokyo Paralympic 2020
- 3. Sh. Ashok Kumar DGP, Uttarakhand
- 4. Dr. Kumar Vishwas Famous Poet.
- 5. Vandana Kataria Star Hockey Player, Team India
- 6. Dr. K K Pant Director, IIT Roorkee
- 7. Minakshi Khati Aipan Girl Uttarakhand
- 8. Amit Hooda Star Kabaddi Player
- 9. Anil Joshi Founder HESCO
- 10. Leonoid Popok Faculty, KUBSAU
- 11. Sunanda Sharma Famous Classical Singer
- 12. Rajat Chauhan Standup Comedian, TedX Speaker
- 13. Gargi Kar Mrs. India 2020 (Queen of Substance)





POLAND Panel – ETBI 2023,

Wroclaw University of Science and Technology, Poland

- 14. Anna kowalska Pyzalska Professor
- 15. Prof. Rafal Weron Professor
- 16. Dimitris Sotrios Professor
- 17. Yash Chawla Professor
- 18. Katarzyza Weron Professor













Course Details and Admission Eligibility Criteria

Admission Procedure:

The merit for admission to the University may be determined on the basis of grades / marks OR obtained in the qualifying examinations;

On the basis of marks or grades obtained in the entrance test conducted by the University or by State or any National level agency;

COLLEGE OF BUSINESS STUDIES

BACHELOR PROGRAMS

Bachelor of Business Administration (BBA)

Candidate must have passed 10+2 or equivalent qualification in any stream from a recognized educational board with a minimum aggregate score of 45% marks.

Bachelor of Commerce (B.Com.)

Candidate must have passed 10+2 or equivalent qualification in any stream from a recognized educational board with a minimum aggregate score of 45% marks.

Bachelor of Commerce (Honors)

Candidate must have studied Commerce in class 11 and 12 with Accountancy, Business Studies, Economics, Math's and English as main subjects with a minimum aggregate score of 45% marks.

MASTER PROGRAMS

Master of Business Administration (MBA)

Candidate must be graduate under 10+2+3 or 10+2+4 pattern under any discipline, securing at least 50% marks (in case of reserved category 45%) or equivalent CGPA in aggregate from a recognized university.

Master of Commerce (M.Com.)

Passed B. Com with 40% of Marks Or B.A./B.Sc. with Maths/Economics 50% marks

DOCTORAL PROGRAMS

Ph.D. in Management

Master's Degree from any AIU/UGC/AICTE recognized University/ Institutions or any other qualification recognized as equivalent thereto in the fields of study notified from time to time by the University. A minimum of 55% marks or CGPA of 5.5 on a 10 point scale in the qualifying examination (50% marks or CGPA of 5.0 on a 10 point scale for SC/ST candidates).

COLLEGE OF HEALTH SCIENCES

BACHELOR PROGRAMS

Bachelor in Hospital Administration (BHA)

Students are required to complete a 10+2 level examination from a recognized board in any subject.

B.Sc. (Nutrition and Dietetics)

Complete their 10+2 with an aggregate of a minimum of 50% from a recognized board. Aspirants must also give the entrance exams required by the colleges for admission.

MASTER PROGRAMS

Master in Hospital Administration (MHA)

Candidates are required to pass a bachelor degree program from a recognized university. The minimum marks required is 50%.

Master of Public Health (MPH)

candidates are required to pass a bachelor degree program in health science or relevant field from a recognized university. The minimum marks required is 60%. The top entrance examination for admission to the courses are JIPMER, PIMS-AICET-ASPG, SRMJEEH (PG), etc.

M.Sc. (Nutrition and Dietetics)

Graduation in relevant discipline with minimum 50% marks in aggregate

COLLEGE OF ENGINEERING

ENGINEERING DIPLOMA

Civil/ Mechanical/ Electrical Engineering

Candidate who has passed 10th examination with or equivalent Grade Point Average (GPA) from a recognized board can apply for admission.

BACHELOR PROGRAMS

Civil Engineering, Mechanical Engineering and Electrical & Electronics Engineering

Candidate must have passed 10+2 or equivalent from a recognized educational board with Physics, Mathematics as core subjects and third Subject from the Following Subjects (Chemistry/Computer Science/ Electronics/Information Technology/ Biology/Informatics Practices/ Biotechnology/ Technical Vocational subject/Agriculture/Engineering Graphics/Business Studies/Entrepreneurship) with a minimum aggregate score of 45% (40% in case reserved category) in above subjects taken together.

MASTER PROGRAMS

M.Tech in Civil/Mechanical/Electrical & Electronics Engineering

Passed Bachelor's Degree or equivalent in the relevant field. Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.

DOCTORAL PROGRAMS

Ph.D. in Civil/Mechanical/Electrical & Electronics Engineering

Master's Degree from any AIU/UGC/AICTE recognized University /Institutions or any other qualification recognized as equivalent thereto in the fields of study notified from time to time by the University. A minimum of 55% marks or CGPA of 5.5 on a 10-point scale in the qualifying examination (50% marks or CGPA of 5.0 on a 10-point scale for SC/ST candidates).

COLLEGE OF NURSING

DIPLOMA

Diploma in General Nursing & Midwitery (G.N.M.)

Candidate must have passed 10+2 with a minimum aggregate of 50% marks with English as mandatory subject.

BACHELOR PROGRAM

B.Sc. In Nursing Candidate must have passed 10+2, or its' equivalent with Physics, Chemistry, Biology with a minimum of 50% marks and English as compulsory subject Post Basic B.Sc. Nursing Passed 10+2 Examination and GNM recognized with State Nursing Council Age Limit: The minimum age for admission shall be 17 years on 31st

December of the year in which admission is sought

COLLEGE OF PHARMACY

DIPLOMA

Diploma in Pharmacy (D.Pharm.)

Candidate who has passed10+2 Examination with Physics, Chemistry, and Biology or Mathematics subjects with 45% marks or equivalent Grade Point Average (GPA) can apply for admission.

BACHELOR PROGRAM

Bachelor in Pharmacy (B.Pharm.)

Candidate must have passed 10+2 or equivalent from a recognized educational board with Physics and Chemistry along with any one of Mathematics / Biotechnology /Biology subjects with a minimum aggregate score of 50 % in core subjects.

Age Limit: Should have completed 17 years of age on 31 Dec. of the year in which admission is sought.

COLLEGE OF SMART COMPUTING

DIPLOMA

Diploma in Computer Science and Engineering

Candidate who has passed 10th examination or equivalent Grade Point Average (GPA) from a recognized board can apply for admission.

BACHELOR PROGRAMS

B.Tech. in Computer Science & Engineering (CSE) with Specialization in Artificial Intelligence & Machine Learning / Cyber Security / Data Science

Candidate must have passed 10+2 or equivalent from a recognized educational board with Physics, Mathematics as core subjects and third Subject from the Following Subjects (Chemistry/ Computer Science/Electronics/Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational subject/ Agriculture/ Engineering Graphics/ Business Studies/Entrepreneurship) with a minimum aggregate score of 45% in above subjects taken together Bachelor in Computer Applications / Computer Applications

Candidate must have Passed 10+2 examination or equivalent with minimum 45% marks in total in the qualifying examination. (With additional bridge course for nonMathematics background students)

MASTER PROGRAMS

M.Tech. in Computer Science & Engineering

Passed Bachelor's Degree or equivalent in the relevant field. Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.

MCA/M.Sc securing at least 50% marks or equivalent CGPA in aggregate, from a recognized university.

Master in Computer Application

Passed B.C.A/ B.Sc. (Computer Science)/ B.Sc. (IT) / B.E. (CSE)/ B.Tech. (CSE) / B.E. (IT) / B.Tech. (IT) or equivalent Degree.

Passed any graduation degree (e.g.: B.E. / B.Tech. / B.Sc. / B.Com. / B.A./ B. Voc./ etc..) preferably with Mathematics at 10+2 level or at Graduation level Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination. (For students having no Mathematics background compulsory bridge course will be framed by the respective University/ Institution and additional bridge courses related to computer subjects as per the norms of the concerned University).

DOCTORAL PROGRAMS

Ph.D. in Computer Science & Engineering/Computer Applications

Master's Degree from any AIU/UGC/AICTE recognized University/ Institutions or any other qualification recognized as equivalent there to in the fields of study notified from time to time by the University. A minimum of 55% marks or CGPA of 5.5 on a 10-point scale in the qualifying examination (50% marks or CGPA of 5.0 on a 10-point scale for SC/ST candidates).

COLLEGE OF SMART AGRICULTURE

BACHELOR PROGRAMS

B.Sc. (Honors) in Agriculture

Candidate must have passed 10+2 with PCM/PCB/CBZ from a recognized board or its equivalent with minimum 50% marks.

MASTER PROGRAMS

M.Sc. in Agriculture (Agronomy) / MBA (Agri-Business Management)
Candidate must be graduate under 10+2+3 or 10+2+4 pattern
in courses like Horticulture, Forestry, and Agriculture securing
at least 50% marks or equivalent CGPA in aggregate, from a
recognized university

DOCTORAL PROGRAMS

Ph.D. in Agriculture

Master's Degree from any AIU/UGC/AICTE recognized University/ Institutions or any other qualification recognized as equivalent there to in the fields of study notified from time to time by the University. A minimum of 55% marks or CGPA of 5.5 on a 10 point scale in the qualifying examination (50% marks or CGPA of 5.0 on a 10 point scale for SC/ST candidates).

COLLEGE OF PARAMEDICAL SCIENCES

BACHELOR PROGRAMS

Bachelor of Physiotherapy (B.P.T.)

Candidate must have passed 10+2, or its' equivalent with Physics, Chemistry, Biology with a minimum of 50% marks with English as compulsory Subject

Bachelor in Medical Laboratory Technology (B.M.L.T.)

Candidate must have passed 10+2, or its' equivalent with Physics, Chemistry, Biology with a minimum of 50% marks with English as compulsory Subject

Bachelor in Medical Radio & Imaging Technology (B.M.R.I.T.)

Candidate must have passed 10+2, or its' equivalent with Physics, Chemistry, Biology with a minimum of 50% marks with English as compulsory Subject

Age Limit: The minimum age for admission shall be 17 years on 31st December of the year in which admission is sought

COER MEDICAL COLLEGE OF AYURVEDA AND HOSPITAL

Bachelor of Ayurvedic Medicine and Surgery (BAMS)

12th standard with science or any other equivalent examination recognized by concerned State Governments and Education boards provided the candidate passes the examination with 50% aggregate marks in the subjects of Physics, Chemistry and Biology and must have cleared NEET exam.

Opportunities to Get Industry Ready

I. Pre-Placement Programs

The Training and Placement Cell organizes training throughout the year on campus. Every students is provided Soft Skill Training, Technical Training and Aptitude & Reasoning Training along with their academics to give them the edge in Company Interviews.

Training Modules

	YEAR 01 COMMON COURSES		YEAR 02 COMPULSORY DISCIPLINARY COURSES	
S.No.	1st Semester	2nd Semester	3rd Semester	4th Semester
1. Technical Skills	С	C++	Python and Data Structures	DBMS and Algorithms
2.Aptitude and Reasoning Skills	Quant -I	Quant - II	Reasoning-I	Quant - III
3. Soft Skills	Grammar & Writing	Public Speaking	Presentatio n Skills	Debate & Group Discussions

COMMON COURSES

of common courses that set the foundation rigorous for students. Students are taught for the more branch-intensive courses to their Compulsory Disciplinary Courses which come. The end of the year sees students go in depth and explore the finer points of take a long summer break of two and a the branch of their choice. Laboratory half months that they may utilise by taking courses are more intensive than ever with up independent internships or NGO work.

Students are introduced to a wide range The second year is academically very numerous evaluation components to complement the lecture classes. After 3rd semester students will get a break of 10-15 days, in which they do their small projects independently. Some training sessions are organised on campus for students which are industry specific.

COMPULSORY DISCIPLINARY COURSES

Objectives

- Awareness Regarding Future Career Options
- To Develop Confidence & Leadership Skills
- Individual Counselling

- To enhance Communication Skills
- Facilitating Career Planning Process

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COMPULSORY DISCIPLINARY COURSES		VAPS AND PLACEMENTS	
5th Semester	6th Semester	7th Semester	8th Semester
Java and Operating System	Mock sessions	Interview Preparation	Interview Preparation
Quant -IV	Reasoning - II	Mock Test	Mock Test
Mock Interviews & Resume preparation	Mock sessions	Job Fair Event	Job Fair Event
SEMESTER 5	SEMESTER 6	SEMESTER 7	EMESTER 8

COMPULSORY DISCIPLINARY COURSES

VAPS AND PLACEMENTS

each student.

is mandatory and would be graded on.

In 3rd year, Students are taught their In these semesters, Students remain on Compulsory Disciplinary Courses which go campus and take a number of value added in depth and explore the finer points of the programs. With the flexibility of taking courses branch of their choice. Laboratory courses from across branches, these courses allow are more intensive than ever with numerous students to explore their interests. The start of evaluation components to complement the this semester is with a 2 week long Job Fair in lecture classes. Projects and design which students are prepared for the upcoming assignments test the application skills of placement season. Mock Interviews, Group Discussions, Resume Building and Technical Training are conducted for all students which After 5th semester students will get a break are mandatory to attend. In both semesters, of 10-15 days, in which they do their projects Placements take place in both online and offline independently. The project after 5th semester mode. Students can sit for placements according to Placement Policy.

Opportunities to Join the League of Leaders

Employability is at the heart of everything we do at COER University. We think outside the classroom to ensure our students graduate as confident and career ready individuals, prepared to make a difference in the chosen field. Our students will not only achieve a qualification bu leave campus equipped with life changing skills. Our graduates will be motivated, self-confident, digitally aware, enterprising individuals who are making an impact on the world stage.

The placement scenario at all our colleges has always been extremely positive. Most of our students have their career paths driven much before completing their graduation degree. About 85% of our students sit for placement every year and all of them get placed. Remaining 15% students decide to go for higher education, startups or government jobs.

Over 150+ reputed companies visited our campuses in the previous placement season of 2021–22, many ofwhom are repeat visitors. Over time, our placement process has been refined to make recruitment as simple as possible for students. Our campus has a dedicated Placement Team. The team is headed by the Placement Head assisted by a team of 4 officers and 20 student volunteers each year.

Our Strengths

01. Collaborative Projects

We continue to build strong links with organizations in the public and private sectors for students to undertake collaborative projects with businesses for mutual benefit.

02. Industry-Ready Curriculum:

The curriculum has been designed to be able to meet the needs of the industry. Multiple industry visits and talks are organised to give students the right exposure.

03. Internships with Companies:

We believe that unless students can apply their learning in a professional environment, their learning is incomplete. The Internship program ensures that every student has spent over 4-6 months working in industry even before graduation. This practice gives student the vital experience needed to adapt quickly to careers in the industry.

04. Balanced Personalities:

We believe whole heartedly in helping students develop to their full potential in every field of their interest. Extracurricular activities, student managed clubs and events give them further avenues to express themselves and develop skills beyond academics.

05. Continuous Mentorship

Through our faculty mentors, Distinguished Honorary Mentors, Industry advisors and Seniors, Students get a chance to learn from their experience and get career advise and inspiration.

06. Our Successful Alumni:

Leader of society, our alumni have made us proud time and again. Alumni are actively engaged with the institutes and with the students, motivating them to perform and excel in whatever they do.

07. Training Framework:

Special training classes which include aptitude building, resume writing, soft skills, coding classes, reasoning etc. are provided to students from time to time to make them ready for their Interviews. Before any company visits campus, Special Company Specific Training is provided to registered students as per the Job Description and Company Profile.

08. Networking and Career Events:

Working closely with faculties, placement team arranges a lot of opportunities for students to meet their future employers, professional bodies and industry experts on campus. This includes insight events, HR Meets, Career Fairs, and employer led skilling workshops.

Highlights















suminter







Esteemed Recruiters





























































Opportunities to Make the Best of Your Aspirations

SPIC MACAY

- Society for the Promotion of Indian Classical Music and Culture amongst Youth SPIC MACAY is a voluntary youth endeavor to promote diversified aspects of Indian heritage.
- The society encourages Indian Classical Music, Classical Dance, Folk Music and Yoga Mediation.
- As a member of SPIC MACAY, the COER University team has been arranging various events on the university's campus to promote its mission.





SAEINDIA@COER

SAEINDIA@COER has proved to be a promising platform for students who want to build their careers in the automotive industry. Currently, the club has 150 student members, and the strength is increasing every day. Mr. Thomas Mathew (Asstt. 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.



ABHYUDAYA The Literary Committee



True to its name, Abhyudaya- the Ascension through concerted efforts builds the overall personality of a student. It assists and guides them to achieve excellence in their respective fields. Thus the committee is providing them the confidence to spread their wings and ascend towards the zenith. This development prepares them for the competition ahead emanating confidence and knowledge, to face the world boldly. One of primary motives of this committee is to bring about general awareness in the COERians about everything that's happening around them. It promises to cultivate a passion for Debating, Creative Writing Literature, Elocution, Quizzing etc. among the students. Literary committee not only commits itself to the English language but also discovers new vistas of our mother tongue-Hindi.

THE LINGUISTIC COMMITTEE

The Linguistic Committee was formed on April 23rd 2005 which aims at improving the communication and inter personal soft skills of COERians through various events organised through out the year. The Committee works under the guidance of the convener Dr. Rashmi Gupta, Associate Prof. & HoD of the Humanities Departments of COER university.

Objectives

- Aim is to develop the Inter-Personal and Soft Skills of the students
- Vision to prepare students for different competitive exams
- English language activities to enhance the communication skills of the students
- To prepare students for training and placement activities.



TRAIC (The Robotics and Innovation Club)



The Robotics and Innovation club was established in January 2010. Robotics and Innovation Club has a vision to make COER a prominent name in the field of robotics.

Objectives

- To make the students aware about different types of Industry Robots
- To provide facilities to students for new innovation
- To incorporate the thinking of engineers in a new way
- To create innovative robots for research & developments
- To shape the capabilities of upcoming generation

ECO CLUB The Eco-Friendly Club

"Like music and art, love of nature is a common language that can transcend political or social boundaries."

Eco-Club of COER University was established under the supervision of the club coordinator to make the students aware of environmental issues and their duties towards the nature. Eco-club is a group of likeminded people and club focuses on generating interest about resource conservation, sustainable development and other environmental issues among the students community.



Vision of Eco Club:

- To encourage students to be a part of solution not pollution.
- To create awareness among students for surrounding atmosphere.
- To enhance the environmental skills of the students.
- To give a path to the students for clean and pious environment.

Opportunities to Make the Best of Your Aspirations

CODING CLUBS

Farn While You Learn

Earn While You Learn encourages students to take up coding as their hobby and improve their skills for a better future.



Some Projects Under Earn While You Learn

- COER App- Android Development
- Development (from Canada)
- Pharmacy Website Web Development (from Dubai)
- COER Paramedical Website- Web Development
- Earn While You Learn Website- Web Development
- COER Music App Android Development
- Mpurse- Android Development (From Canada)
- Digital Payment & e-commerce website
- Web Development

Game Development Committee

The GDC emphasises on overall development in the field of game development, IoT. etc.



Some projects under Game Development Committee

The GDC emphasises on overall development in the field of game development, IoT. etc.

- 1. Voice Control Game
- 2. Zombie Attack
- 3. BlockRun

CODING GEEKS

In today's rapidly changing environment, programming skills are essential tools that can be utilized and incorporated into various fields and domains. Hence, it becomes absolutely essential to equip young minds with such skills.



Some Projects under Coding Geeks

- Human Activity Recognition
- 2. Gesture Controlled Robot
- 3. Home Automation using Leap Motion
- 4. Al Virtual Mouse

CAPCE

@ COER Association for Promotion of Civil Engineering

The aim of this society is to encourage students for achievements in Civil Engineering. The vision is to give exposures to students to do tremendous work in their related field.



DAKSH THE HR CLUB

"People, process, power"

- The purpose of Daksh the HR Club is to bring together students interested in the field of Human Resources Management.
- To help them to develop interpersonal skills needed in the corporate world.
- To encourage them to meet professionals who work in the field of Human Resources Management.
- To give an exposure to the students so that they will be able to maintain future.



KUBER KUBER, "THE SAMRIDDHI CLUB"

"Learn today, earn tomorrow"

Kuber club is a finance club which is the fountainhead of knowledge and new ideas in the field of Finance.

Objectives

- To create awareness about financial planning
- To be a group of experts in the field of Finance and Financial activities



GREEN LEAF CLUB

"Improving agriculture, improving lives"

"Green Leaf Club" is an organization of agricultural students who are dedicated to the development of agriculture in Uttarakhand.



Objectives

- To create awareness among the farming community of Uttarakhand about the latest agricultural technology.
- To promote professional interests of the students.
- To inculcate discipline and spirit of competitiveness among the members of the Club and take care of their general interests.
- To organize various literary, cultural and sports activities for the overall personality development of the members of the club.



DAKSH THE HR CLUB













MANTHAN



Infrastructure Academics and Campus

Auditorium

The university's central auditorium is enormous and acoustically built. It is used for conferences, workshops, seminars, award ceremonies, live performances, musical stage shows, orchestra concert events, band, chorus, jazz band, battle of the bands, and dance contests, and many others. The theatre is wellfurnished, airconditioned, and equipped with a sophisticated projector and audio systems with internet access.



Cafeteria

Cafeteria is an integral part of student life, where students chat and discuss various topics. It serves a crucial role in relieving stress and revitalizing students. The university has two campus cafeterias offering an abundance of good cuisine. Students may have wonderful foods at an extremely fair price. They may readily find a variety of dining options, from local cuisine to fast food. They can begin their day with a sip of tea and some snacks in the morning. It serves a variety of rice, chapatti, and paratha for lunch. Students can enjoy sandwiches, burgers, cakes, samosa, idli, vada, and many others. All bakery items, including cakes, bread, puffs, cream buns, and patties, are accessible throughout the day.



Health Club

In addition to a physically healthy body, we define health as having a cognitively balanced personality that adds value by having emotionally stable and culturally rich traits. The value of Health Clubs can only be comprehended via active participation, which will undoubtedly contribute to developing a healthy society and responsible citizenship, as healthy individuals are more productive and accelerate the nation's growth. The university has separate health clubs for male and female students with state-of-the-art equipment.



Departmental Store

A department store on the university premises offers a wide range of consumer goods, including stationery items, gift items, sporting goods, toiletries, and other essential goods required by the students.



Academic Block

The Academic Blocks of the university are prepared with well-lit and well-ventilated classrooms equipped with smart boards, wall cupboards and whiteboards. Every effort has been made to ensure the perfect ambience to facilitate smooth and uninterrupted academic delivery. The user-friendly classroom environment makes it possible for our students to concentrate entirely on class proceedings in an interactive and un-intimidating environment. It houses the Examination cell, all the Laboratories and the Activity Halls.



Admin Block

There is a separate administration block for running, monitoring, and controlling the university's activities efficiently and effectively. The university's administrative block is a well-designed and spacious building that houses the vast offices of the entire Top-Management team, an account section, HR section, a review board room with video-conferencing capabilities, a reception, a corporate zone, and a conference room.



Mess

Two separate messes are serving the university students. The mess serves hostel students all three meals, including breakfast, lunch, and dinner. Cleanliness and hygiene are given the utmost importance in the mess. For students who are fasting, special food is offered. The mess facility is regularly inspected and monitored by the university administration. The mess menu is prepared and monitored by the hostelers in collaboration with the authorities to guarantee that the meals are of high quality and delicious.



ATM Facility

Our students can access the university's ATM 24x7 for their immediate cash requirements and other essential financial transactions. It is equipped with CCTV surveillance to ensure the students' safety



Medical Facility

24X7 medical facilities are available with 100 bedded COER Hospital equipped with all type of modern facilities in the College premises.



Medical Facility COER Hospital

With the vision to provide best medical facilities to students to learn and do good for society, Chairman Shri J. C. Jain established COER Hospital in 2021. It is a 100-bedded Hospital with all the modern facilities and modern medicines in synergy with the Ayurvedic treatments.

Hospital Facilities & Services

- Emergency Services (24hrs)
- 24 Hrs Ambulance Services
- Intensive Care Unit (ICU)
- Operation Theatre
- Physiotherapy Unit
- O OPD
- O IPD
- Panchkarma

- Patient Monitors
- Infusion Pumps
- E.C.G. Machines
- Cardiac Monitors
- Defibrillators
- Nebulizers
- Microscopes
- Air Mattress Pump

















We believe that "A healthy mind needs a healthy body". 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, Squash competitions and some of indoor games like Carom, Table Tennis, Chess, etc. Sports Club of University organizes the inter institution fest every year. The University sports team takes part in intercollegiate competitions, inter-district competitions and inter-state competitions.

Sports Facilities & Services

- To enhance the sports skills of the students.
- Motivate students to pursue their passion along with academics.
- A platform for the students to show their potential.









Infrastructure Residential Facilities

Boys' Hostel

Hostel rooms are spacious, semi-furnished and available on single/double occupancy. Indoor games are available in all the hostels. Common Basketball and Volleyball Courts are located in front of Gupti Sagar Bhawan, Café 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. 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 the hostels. Common Basketball Court is located near Ahilya Bhawan. A café counter is available within the premises of Girl's Mess which caters to tea and snacks in the evening up to 11:00 PM.

GYM

Going to the gym improves one's fitness and overall health. It also breaks down the monotonous routine and keeps us recharged for the day. Separate Gym for girls is available in Ahilya Bhawan equipped with Treadmill, Bench Press, Cycle Exercising Machine, Double Twister, Dumb Bell, Abs Exercising Machine and Weighing Machine.



Hostel Benefits:

- Students can start their day with sports activities, yoga, physical exercise and the usual morning walk in the fresh air of the lush green campus.
- In the morning and the evening, students can get benefit of a well-equipped Gym in campus.
- As a hosteller, students never miss their classes during the rainy season, or extreme weather conditions.
- Students can interact with fellow students and get the guidance from seniors in academics, projects, writing research papers, technical and other activities.
- 5. Students can utilize the library facility in late hours as being hosteller,
- For hostellers, it is quite comfortable to get themselves involved with Placement Activities such as group discussion and personal interview.

- Stay in the hostel provides ample opportunities for sports activities.
 Squash Court, Lawn Tennis, Basketball, Volleyball and Badminton Courts are well illuminated to play in night hours.
- 8. Hostellers can comfortably participate in technical and cultural activities.
- 9. Hostels are Wi-Fi enabled with the bandwidth of 55 mbps.
- Campus has stationary shop, Xerox machine, mobile recharge, ATM and salon facility.
- 11. 24 hrs uninterrupted power supply in the hostel.
- 12. Hot water facility during winter through solar geyser is an additional facility.
- The facility of Café Quick Bite is up to 9:00pm. In hostel area, the canteen remains functional up to 11: 00 pm for refreshment.
- Regular spray and fogging in the campus to control mosquitoes and insects.









BOYS' COMMON ROOM



GIRLS' COMMON ROOM



GIRLS' GYM

83

AIR CONDITIONED ROOM

Library



COER University's Central Library lives up to the vision and mission of the University – empower the students in their pursuit of knowledge and learning. One can find answer to any intellectual inquiry in the libraries of University which house the world's most diverse range of scholarly resources, books, journals and e-journals and audio-video materials.

The Library is in the area of 1120 Sq. meter with 200 seating capacity. It is completely computerized and uses bar coding system access through ERP with RFID Identity cards facility.

The COER University library has a good collection of books on different subjects covering from recommended textbooks to other reference books. It contains a rich collection of **74000 books** related to Engineering, Management, Agriculture, Medical and Spiritual. A large number of journals; both national and international including large number of **on-line journals** through DELNET.

Reference Section

Dictionaries, Encyclopedias, Reference books, Rare books, Competitive books, Self-help books, Question papers of University, Project reports, and minimum two books of almost all the titles available in general book section. Users are free to refer all this study material within the library.

Ph.D Thesis, Research Papers, Patents of COER faculty members and COER publications are also available in library for reference.

Periodical Section

Library has subscribed 12 newspapers with multi copies, 171 journals & magazines related to various disciplines. These periodicals are easily available during the working hours to study within the library.

Digital Library Section

- In this section an easy access e-materials are provided. NPTEL video lectures of IITians, a large number of e-books, e-journals and previous year question papers of University in digital format are also available.
- Multimedia PCs are available for accessing e-resources in the library.
- COER University Library has an Audio-Video section with LCD screen and a projector along with more than 1800 CDs, DVDs etc. in related professional areas of growth & development.
- Some important links are :-
 - DELNET: www.delnet.nic.in
 - · KNIMBUS (E-books):
 - National Digital Library: http://ndl.iitkgp.ac.in

Departmental Library

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

Separate Hostel Library

Hostel library is available in each hostel for reference. Necessary books are available in all Hostels libraries

Spiritual Library

Spiritual Library is established in Sant Nivas around 20,000 books on Spirituality, Vegaterism. Non-violence etc. for enhancing moral ethics.







Opportunities to Change the World

Incubation & Innovation Centre at COER University is actively involved in developing the paradigm of entrepreneurial mind-set & environment of ideating, creating and commercializing the venture by developing Entrepreneur Skills in students, providing Physical, Technical, Business & Networking Support. CIIC incubated three start-ups in last year and incubation of eight start-ups in progress, twelve external mentors, organized twenty eight awareness sessions including boot camps, masterclass, ideathon, hackathons, interactions with renowned startups and many more activities.

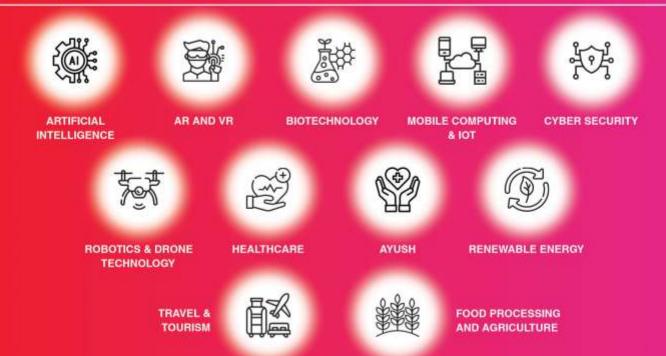
Objectives

- 1. Cultivating the spirit of entrepreneurship
- Strengthening three kinds of professional qualities (Leadership, Risk Taking, Teamwork)
- 3. Expanding Ways to Employment
- 4. Bearing a part of quality-oriented education

What we do?



Focus Sectors



Industry Partners

1.	Invocon Learning Solutions Pvt Ltd, New Delhi	New Delhi
2.	Smart Brains Engineers & Technologist Pvt. Ltd	Noida
3.	Invetivepreneur Chamber of Commerce & Industries	New Delhi
4.	Shuchi Foods and Mashrooms Garhwal	Garhwal
5.	Steller Data Solutions	Chandigarh
6.	Brighter World Innovative & Technologies Pvt. Ltd	Roorkee
7.	SIDCUL Manufacturing Association of Uttarakhand (SMAU)	Uttarakhand

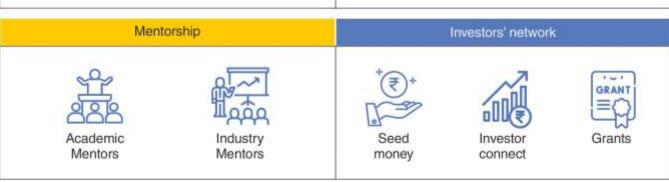
Incubation Partners

Startup Uttarakhand

TIDES, IIT Roorkee

Facilities

Co-working space High speed internet Incubation Space at IIC for supporting and mentoring Offering the most advanced internet technology



Networking opportunities	Workshops and Seminars	
To develop professional relationships to employment prospects & help them grow their businesses.	Entrepreneurs	Technology experts

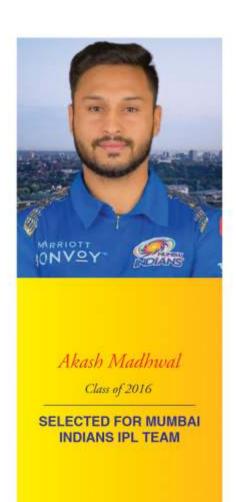
COER University Alumni Association

COER Alumni Association is a great platform for interaction between Alumni and University. Our core mission is to engage all alumni for life. Whether you graduated a decade ago or half year ago, The university is committed to building and reaffirming the ties connecting the 15,000+ members of COER alumni family through Official COER Alumni Portal.

Aims and Objectives

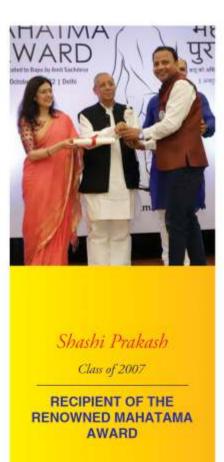
- To promote and foster mutually beneficial interaction between the Alumni and the Alma Mater.
- To encourage the formation of chapters to increase participation of Alumni.
- To encourage the Alumni to take abiding interest in the progress and development of the Alma Mater.
- To exchange professional knowledge, organize technical conferences, seminars workshops & training courses.
- To provide educational & medical assistance to the poor and weaker sections of the society.

Alumni Achievements





Divya Prakash Dubey



Alumni Achievers 2022



MS. SOUMYA GURURANI IAS Joint Megistrate



MS. NIHARIKA SEMWAL Selection Sub Inspector Udham Singh Nagar, UK



MR. ATUL PACHAURI Head O&M, O2 Power



MR. ANKIT PREMI Owner Prachi Foods



MS. SURBHI BURAI Selection Sub Inspector Udham Singh Nagar, UK Chas of 2014



MR. SAURAV BANSAL

Principal Software Engineering
Microsoft Class of 2013



MS. ANUSHA BADOLA DSP, Dehradun



MR, ANKUR TANDON Technical Account Manager Google



MR. AMIT AGRAWAL Senior Technical Specialist Nokia Solutions Network



MR. PARAS JAIN Manager, SBI Class of 2013



MR. AJESH KUMAR Technical Staff Engineer Intel Corporation



MR. NITIN LOHANI DSP, Nainital



MR. ALOK BHARGAVA Indian Air Force Wing Commander



MR. ATUL AGGARWAL Silicon Architect Intel India Tech



MR. ANKIT BHATIAT Manager, Hindustan Shipyard LTD.



VIVEK DHIMAN
Associate Director
Samsung Semiconductor (SSIR)



MR. VIKAS KALRA Director Cetpe Infotech Class of 2004



MR. MUKESH PAL Joint Director Ministry of Finance Class of 2004



MR. NAVEEN CHAND JOSHI IES Indian Reilway Secretary



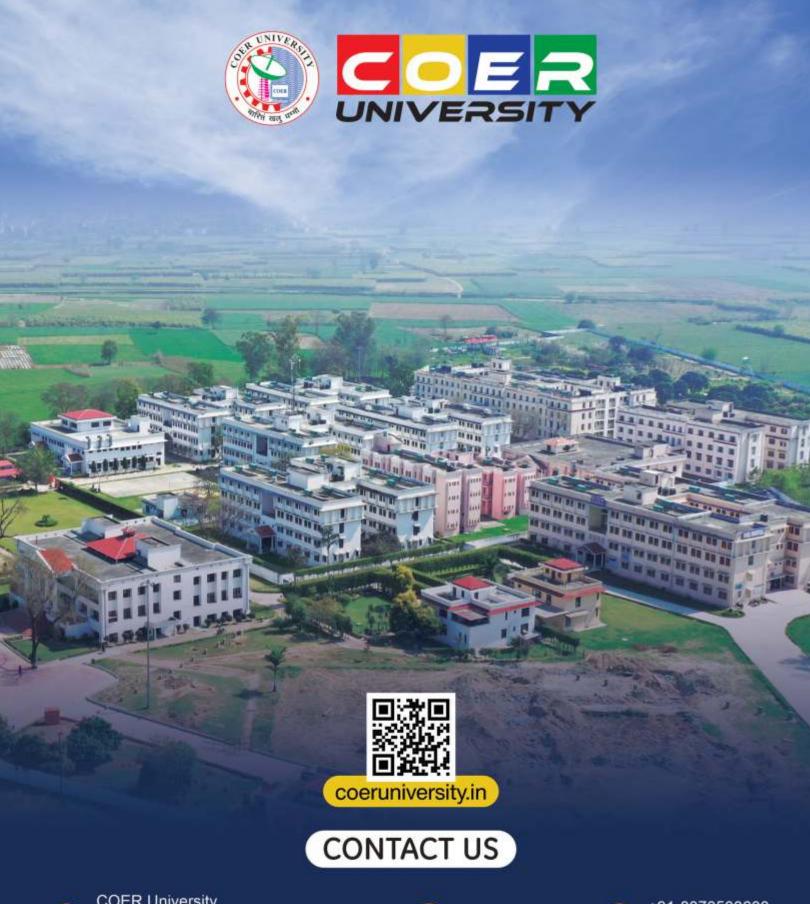
MR. YASHVEER NEGI Sub Inspector Nersen, Utterakhand Class of 2012

Aerial View



Aerial View







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