

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

Institutional Distinctiveness: Capacity Building for Students and Faculty

The KC College of Engineering and Management Studies and Research's (KCCEMSR) focus is to transform faculty and students into technically sound, socially, ethically, and morally responsible individuals with a strong background in research.

Capacity building for students

The faculty members, in accordance with outcome-based educational practice, use teaching methods such as assignments, projects, seminars, and internal assessments to evaluate course outcomes. The institute focuses on the following distinctive practices in addition to the regular teaching and learning process for students:

Technical skill enhancement

In today's digital age, the pursuit of knowledge knows no bounds. In order to achieve this, the institute offers value-added courses (VAC) in all departments, including new areas such as IoT, data science, networking (certified by CCNA), etc. To promote virtual labs, the institute has collaborated with IIT Bombay. In addition to this, students are required to successfully finish online certification courses from platforms such as Coursera, Edx, Infosys Springboard, etc. The institute also has a local chapter of NPTEL to promote the advantages of self-learning through online education. The placement (T&P) section arranges frequent training sessions for students to enhance their industrial readiness. In addition to these, the institute also maintains active chapters of professional societies such as IETE.

In the last 5 years, more than 1000 students completed certification courses and 800 internships.

Community Engagement

At KCCEMSR, the commitment to community engagement and social responsibility resonates deeply through a diverse array of programmes and initiatives spanning several years. Outreach programmes make students aware of their social and community commitments by fostering the growth of transferable abilities like leadership and teamwork. There are the National Service

Scheme (NSS) unit, Rotaract Club, Youth Red Cross (YRC), Gender Equality Cell, and Eco Club. Over the last five years, all clubs have organized more than 400 events. Through continuous learning, collaboration, and innovation, KCCEMSR students aim to be catalysts for positive change within the campus and beyond. The Eco Club and the Rotaract Club's activities extend beyond the college campus, encompassing the neighboring regions of Thane and Mumbai. We received 14 certificates of recognition for extension activities from non-government-recognized bodies, as well as the Green Campus award from Synergy consultants.

Extracurricular activities

Sports and cultural events

The students of KCCEMSR showcased their exceptional talents across a spectrum of cultural and sporting events, earning accolades and appreciation at the state level. Over the last five years, students have participated in 35 cultural and 49 sports events at the state level. Their participation not only showcased their skills but also demonstrated their ability to address contemporary challenges with creativity and ingenuity.

In the year 2019–2020, Saurabh Gaikwad won a gold medal in under-19 kabaddi at an international event in Thailand. Aditya Gholap, Shreyas Parab, Sakim Sayyed, Om Bade, and Ashutosh Bhosale won the first prize in the intercollegiate Kabbadi competition for the academic year 2022–23. Om Bade was the first winner in the Box Langadi National Championship in the academic year 2022–23. Our student, Meet Mandar Gupte, participated in the 10-kilometre open sea swimming race.

Life skills

UHV Sessions The UHV cell established in the academic year 2019-20 at KCCEMSR, the Universal Human Values (UHV) Cell serves as a beacon for ethical education and character development. The All-India Council for Technical Education (AICTE) has trained over 15 faculty members to impart UHV education. The UHV cell organized 16 sessions; three sessions were organized by Dr. Vanchna Singh, a member of the National Coordination Committee for Induction Program (NCC-IP). UHV Cell's efforts have not gone unnoticed, receiving praise from notable figures such as Mr. Umesh Jadhav, a member of the National Coordination Committee for Induction Program (NCC-IP).

Counselling

In addition to faculty mentorship, the institute also provides students with access to a professional counsellor.

Capacity building for faculty

Technical- teaching skills, as well as expanding knowledge

The institute encourages faculty participation and skill enhancement in various dimensions. The faculty has completed more than 350 FDPs, 182 COURSEERA, 8 NPTEL, and 10 EDX (certification courses) in the last five years. Edu Skills has trained approximately 15 faculty members. KCCEMSR faculty make a significant contribution to the university's evaluation, and curriculum design, shaping the educational environment by setting undergraduate program question papers, representing the institution in academic groups, 20 faculty have attended orientation program at university,

Research and Development

Over the last five years, faculty members have published 192 research articles in reputed journals. The proceedings of national or international conferences featured more than 79 papers. The faculty has authored 07 books and 02 book chapters. The faculty has conducted 10 minor research projects financed by the University of Mumbai. The institute collaborated with Springer to organize an international conference. The institute has twice organized FDPs on research funding projects and IPR. There are 22 faculty members who hold PhDs, and an additional 11 are currently pursuing PhD degrees.

Administrative and professional skill enhancement

The institute trained its staff to be ISO auditors. In order to achieve this, IQAC conducts regular academic and administrative audits of all departments and sections. The faculty organized 02 FDPs on NBA insights and 06 webinars for NEP 2020.

Holistic life skills and content development

The Gender Equality Cell organizes many activities, including yoga, Zumba, meditation, and Festival celebrations. The All-India Council for Technical Education (AICTE) has trained 15 faculty members to teach UHV. Dr. Pujra Rai Pradhan, Chief Operating Officer at Excelsior Education Society, is a dedicated academician and student's mentor for UHV sessions. She developed content on Indian mythology and his content is available at www.peepalinspires.com. Technical Content was also developed by more than 30 faculty members.

Supportive Ecosystem

The HR policy guides the disbursement of funds. 230 teachers have gotten financial assistance over the last five years. The institute provides teachers with duty leave.

students on safety devices such as fuse, relays, MCB's. Basic components were explained theoretically to the students after which they were involved in practically wiring components to understand 2 way and 3 way switching. A large group of students were made into smaller subgroups and monitored by the faculty members while they performed basic wiring models. The one day session was conducted in order to impart the or etical and practical knowledge about basics of electrical wiring, students actively participated in the same and provided good feedback about the session conducted.

Book donationat GurudikshaEnglishSchool,Pimprion 2.10.2022

The books were distributed among the students of Gurudiksha English School, Pimpri . The books were of various subjects including the academic syllabus. A small speech on the importance of books was given by one student. The children who received the books were overjoyed to receive the books and thank ed the NSS team whose donation benefited them.