SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

EXCELSSIOR EDUCATION SOCIETY'S K.C. COLLEGE OF ENGINEERING AND MANAGEMENT STUDIES AND RESEARCH

MITH BUNDER ROAD, KOPRI, THANE (EAST)
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Excelssior Education Society is an educational and charitable trust established in the year 1978. The society started K.C. College of Engineering and Management Studies and Research, a Punjabi Linguistic Minority Institute in 2001. The institute is approved by AICTE, New Delhi, Directorate of Technical Education and is affiliated to the University of Mumbai. The institute is also ISO 9001:2015 certified.

The institution has been emphasizing continuous improvement in quality education. Cells like Entrepreneurship cell and various committees like student professional bodies of Computer Society of India (CSI), Institute of Electronics and Telecommunication Engineers (IETE), Indian Society of Technical Education (ISTE) etc., help connect students professionally. The student council handles student affairs and helps in conducting cultural, technical and sports events. Institute nurtures students with social and ethical responsibilities with the help of various activities organized through committees like the National Service Scheme (NSS), Youth Red Cross (YRC) and Rotaract Club.

The institution has adopted a village under Sansad Adarsh Gram Yojana (SAGY) Scheme of AICTE with a motto "Developed Village – Developed Nation".

The institute has undertaken green initiatives like installation of solar panel as a part of renewable energy generation, waste management through compost pit and a adequate greenery.

Institute has won many accolades in the field of academics and social outreach as follows:

"ASIA BOOK OF RECORDS" for Highest Number of Virtual Internship by AICTE &EduSkills

A. Y. 2022-23.

AARAS Certificate of appreciation being a 27th Position in R.I.D. 3142 A. Y. 2021-22.

"Best Performing Institute- 2022" by EduSkills Centre of Excellence

"The SKILL Development Leadership Awards -2022" by Times ascent & World HRD

"Best ISF 2022" by IETE Mumbai Centre.

"Esteemed Partner" for promoting quality culture & building quality ecosystem 2022 by

Bureau of Indian Standards

"Green Campus Award 2019" by Synergy

"ABP News National Education Award 2019" by ABP News

"Swachatam Vidyalaya Pramanpatra – 2018" by Thane Municipal Corporation.

Second Position in National Entrepreneur Challenge 2018, Entrepreneur Cell, IIT Bombay.

"Excellence in Engineering College in Thane "Mumbai City ICON 2019 by Radio City 91.1

"Best College for Engineering for Year 2019" by Eicon

 "First prize at Innovation Mela 2019" by icell, Atharva College of Engineering

Vision

- To be an organization with potential for excellence in engineering and management for the advancement of society and humankind.

Mission

- To excel in academics, practical engineering, management and to commence research endeavors.
- To prepare students for future opportunities.
- To nurture students with social and ethical responsibilities.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. The institute has a serene ambience and is located at the walkable distance from the Thane the railway station .
2. Involvement of students in academic and extra-curricular activity through various events throughout the year inculcating team building and managerial skills amongst them.
3. Academic results are good overall maintaining an average percentage of more than 90% for final year students.
4. Optimum student to teacher ratio.
5. Active entrepreneurship cell and in process to incubate start-ups.
6. Wi-fi enabled campus.
7. Around 80% of women employees.
8. Inducing social awareness and responsibility amongst students through social outreach programs through registered organization of NSS, YRC and Rotaract.
9. Adopted a village under Sansad Adarsh Gram Yojana (SAGY) and working towards holistic development of villagers.
10. Commendable number of publications by final year students.
11. Presence of active student chapter of various professional student bodies.
12. Book bank facility for reserved and backward category students and NPTEL local chapter.
13. Good number of faculties with Ph.D.

Institutional Weakness

1. Being an affiliated institute, less academic flexibility.
2. Less number of industry sponsored laboratories.

3. Shortage of patents and research grants.

Institutional Opportunity

1. Strong internship program for students.
2. Improving alumni connection for enhancing teaching learning process and campus placement.
3. Enhancing the research ecosystem of the institute.
4. Promote research and development activity through research grants and consultancy.
5. Strengthen participation of students in online courses.
6. MOUs and collaboration with industries and institutes of national importance.

Institutional Challenge

1. Being a private institution, student fees is the only resource for meeting the ever-increasing cost of running the institute and programs.
2. Meeting the changing level of aspirations of students / parents / stakeholders.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The Institute offers Post Graduate and Undergraduate degree programs and follows the curriculum offered by the University of Mumbai. The Institute has a strong focus on Outcome Based Education (OBE), Course Outcomes (CO), Program Educational Objectives (PEOs) and Program Outcomes (POs) and is in consistency with the vision and mission of the institute. Successful teaching and learning depend on curriculum. The academic calendar is prepared and followed for technical as well as extracurricular activities in the institute. To enrich students with emerging trends and industry needs, guest lectures, workshops, certification courses, seminars, industrial visits, and extra-curricular activities events are conducted.

The holistic development of students is the main purpose of curriculum. The institute inculcates human values, professional ethics, organizational behavior etc. amongst the students and sensitizes them towards issues such as environmental awareness, gender sensitivity etc.

To make our students competent professionals as a demand and expectations from the industry, skill enhancements are done by offering different value-added courses, training in cutting edge technologies, MOOC courses etc.

Institute has its own effective feedback mechanism to obtain feedback from students and stakeholders on curriculum as well as on different activities organized in campus.

Results of OBE and different feedback serve as input for constant improvement in curriculum.

Teaching-learning and Evaluation

Outcome based education is the need of the 21st century. Faculty keeps on upgrading their knowledge and skills by attending faculty development program, STTPs, national and international conferences for their continuous professional development to handle the program of study effectively.

The admissions process of the institution is in accordance with state government norms (Central Admission Process). Considering varied backgrounds and different learning abilities of the students, student centric methods like field trips, case-studies, project-based-learning, and group

learning are adopted. In the teaching learning process basic cognitive levels are achieved by different activities like video lectures, industrial visits, quizzes, and group discussion. Higher cognitive levels are accomplished by experiential and participative learning and problem-solving methods and by effective use of ICT resources.

The institution follows the guidelines of the University of Mumbai for the assessment. There is complete transparency in the internal assessment. Orientation program is conducted at the beginning of the semester and the entire schedule of the activities as per academic calendar and rubrics for assignments experiments, project are conveyed to the students.

Course /Lab outcomes are conveyed to the students of all the departments during orientation.

Research, Innovations and Extension

The institute has taken initiatives to develop and promote research culture. In this direction institute has developed E-cell (Entrepreneurship cell) with objectives to undertake research activities and training of budding entrepreneurs. The institute has established digital library resources, magazines, and journals to encourage research activities. To ensure an effective conducive research environment, the institute promotes faculty members and students to organize and attend Faculty Development Programs, Seminars, Workshops, and Short Term Training Programs. Dr. Rajiv Iyer received Dr. APJ Abdul Kalam lifetime achievement award for remarkable contribution in the field of teaching, research, and publications. Research papers have been published in UGC approved and reputed journals by faculty members around the year. To create awareness about Intellectual Property Rights (IPR), guidance workshops were organized by eminent speakers. The institute takes the pride to encourage extension activities through the NSS, YRC, Rotaract Club, Green club , BIS standard club and Gender equity cell. Technical, Cultural, Social and Educational programs are conducted by faculty members and students in adopted village Pimpri and other areas. The institute takes keen interest in social extension programs to sensitize students and provide solutions to the needs of society.

Infrastructure and Learning Resources

The institute follows the norms laid down by All India Council for Technical Education (AICTE) for creating and enhancing the infrastructure with latest information technology to facilitate effective teaching and learning. The institute has well-structured IT Infrastructure with LAN Facility. Campus is Wi-Fi enabled with uninterrupted power supply. All the classrooms and seminar halls are ICT enabled, which provides a proper environment for students to study. The institute has a complete lab setup with the latest equipment as required by the curriculum. The institute has an exclusive language lab to enhance overall personality development. The institute has faculty rooms that are helpful for the faculty to contribute effectively towards the teaching

learning process as well as remain approachable to students. To promote green energy, solar panels are installed on the campus. Security surveillance systems are installed all over the campus, purified water facility, canteen facility is provided in the campus. To encourage students Entrepreneurship skill there is a separate E-cell laboratory with advanced equipment.

Sport and cultural activities are essential to student life. The institute has adequate facilities for sports, i.e. indoor and outdoor games. The institution provides gymnasium facilities for the fitness of the students. To de-stress, relax, feel healthier and more energetic the institution frequently organizes yoga sessions for students and staff. The annual intercollegiate cultural festival Reflexionz is organized by the institution.

Library provides book bank facility for EBC, SC/ST and Topper students.

The institute always ensures the allocation of adequate financial resources for maintenance and upkeep of major facilities for academic, physical and support facilities.

Student Support and Progression

The institute supports and mentors' students in various ways. The institute provides support through scholarships along with Government's scholarships and free ships. Institute rewards meritorious students, Best Sportsperson, All-rounder and exemplary Performer.

Institute provides guidance for Competitive Examinations, Career Counselling, Soft Skill Development, Remedial Coaching, Bridge Courses, Yoga and Meditation, Personal counselling for overall development of student. Competitive examinations and career counselling guidance provided by the institute has given benefits to the students in their career endeavors. There is transparent mechanism for timely redressal of student grievances including sexual harassment and ragging. The institute helps students for placements and higher studies. The institute's Students' Council is an active body consisting of the General Secretary, Cultural Secretary, Sports Secretary, and other members. Student activities are organized under the leadership of the selected student representatives. From current year student council is formed using election. The institute has organized numerous sports/cultural activities during the last five years. For holistic development, students are encouraged to participate in technical as well as social outreach programs.

Training and placement cell provides pre-placement guidance to the students for placement activities. The cell coordinates internship and placement activities.

Institute conducts alumni meets every year; they contribute through financial and non-financial means. The students benefit by getting career mentors, expertise for the projects, opportunities to access professional developments through alumni meet.

Governance, Leadership and Management

The vision and mission of the institute has evolved with comprehensive decision making. All the stake holders are involved in the vision, mission, and values exercise. The strategic and financial planning of the institution is handled by the principal in consultation with management. The institute has a Governing Council, for its

perspective, policy, financial planning. The academic and administrative activities of the institute are managed by the principal. The institution has a well-defined organogram which clearly defines the roles and functions of staff. The institute practices participative approach at all levels with delegation of powers and decentralization. The effectiveness of the various bodies, cells, committees is evident from the minutes of meetings and implementation of the proposed resolutions / recommendations. The institute encourages its staff to participate in various conferences/ training programs. The institute conducts professional development and administrative training programs. The institution has a performance appraisal system. The college conducts regular internal and external financial audits and prepares an annual budget estimate. Internal Quality Assurance Cell (IQAC) has been formed in 2017 and is functional in overseeing quality matters but quality initiatives have been taken by the institute right from its inception.

Institutional Values and Best Practices

Management, students, and faculty have taken many initiatives to follow best practices and innovations. Gender equity cell ensures gender sensitivity among all stake holders of institute.It also empowers the girl students to develop certain skills through various activities.   Waste management initiatives have been taken by ECO club of institute with the tagline "Excel the Greener way". The club has joined hands with ECOROX (NGO) to inculcate environmental consciousness. Compost pit was installed by the institute for solid waste management. The club has taken initiatives of tree plantation in neighborhood community on 8 March and 5 June, 2018 to reduce air pollution. Tree plantation by the guest is followed as a best practice to increase environmental awareness. The institute has developed 2 lawns sprawling over an area of 1161 sq. mts. with various varieties of plants. The institute has installed alternative green energy resources in the form of 80 KW grid connected solar power plant on the rooftop to take the benefits of solar energy. The institute also plays a leading role in addressing locational advantages to help local community. For the promotion of universal values, national values, human values, national integration, communal harmony, many activities like cultural skit competition, extempore essay competition and festivals were celebrated. Management takes keen interest and promotes lot of best practices and innovation in the campus. As per the mission of the institute to nurture students with social and ethical responsibilities, many cultural and social events are hosted from time to time. All the national heroes are fondly remembered on their birth anniversaries and are saluted with respect on their death anniversaries.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	EXCELSSIOR EDUCATION SOCIETY'S K.C. COLLEGE OF ENGINEERING AND MANAGEMENT STUDIES AND RESEARCH
Address	Mith Bunder Road, Kopri, Thane (East)
City	Thane
State	Maharashtra
Pin	400603
Website	Kccemsr.edu.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	Vilas Nitnwarae	022-25326062	9867055566	022-25327100	principal@kccemsr.edu.in
IQAC / CIQA coordinator	Amarja Adgaonkar	022-25326469	9867410787	022-25327100	amarja.adgaonkar@kccemsr.edu.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	Yes Minority Letter_compressed.pdf
If Yes, Specify minority status	
Religious	NA
Linguistic	Punjabi Linguistic Minority
Any Other	NA

Establishment Details

State	University name	Document
Maharashtra	University of Mumbai	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	15-05-2023	12	
AICTE	View Document	15-05-2023	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Mith Bunder Road, Kopri, Thane (East)	Urban	2	8200

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Department Of Information Technology,Information Technology	48	HSc	English	60	60
UG	BE,Department Of Computer Engineering,Computer Engineering	48	HSc	English	90	90
UG	BE,Department Of Electronics And Telecommunication Engineering,Electronics and Telecommunication Engineering	48	HSc	English	90	90
PG	MMS,Master In Management Studies,	24	UG	English	60	47

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	2				9				44			
Recruited	1	0	0	1	0	2	0	2	5	21	0	26
Yet to Recruit	1				7				18			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				13
Recruited	4	9	0	13
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				13
Recruited	9	4	0	13
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	1	2	0	0	5	0	9
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	3	20	0	23
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	1	0	0	3	1	0	1	5	0	11
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	4	19	0	23
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	Professor			Associate Professor			Assistant Professor		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	153	0	0	0	153
	Female	87	0	0	0	87
	Others	0	0	0	0	0
PG	Male	22	0	0	0	22
	Female	25	0	0	0	25
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	8	24	8	14
	Female	16	19	14	9
	Others	0	0	0	0
ST	Male	0	3	4	0
	Female	1	4	0	0
	Others	0	0	0	0
OBC	Male	26	15	28	16
	Female	18	6	6	15
	Others	0	0	0	0
General	Male	145	127	115	95
	Female	72	75	49	58
	Others	0	0	0	0
Others	Male	10	5	9	8
	Female	4	0	5	1
	Others	0	0	0	0
Total		300	278	238	216

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	The NEP (National Education Policy) was adopted by the Government of India to promote holistic development of the educational institute. At K .C. College of Engineering and Management Studies and Research (KCCEMSR), utmost importance is given to the activities to adopt the policies laid down in the NEP. The institute has many clubs which are inculcating the practice of multidisciplinary education through their events. The events have both the societal as well as educational values. At, KCCEMSR, an ECO club and Rotract club is established since many years. Through the Rotract club, students are organizing many events like raising funds for feeding the needy people, creating awareness among the people for prevention of dreadful disease like jaundice etc. Besides these the Rotract club also organizes the events to create awareness among the students regarding rich cultural heritage of India. Through the programme like "Youthism", the Rotract club organizes motivational talks among the youth committee. Besides these the Rotract club also organizes many events related to even literature also that enhances the creativity of the students. The Eco-Club at KCCEMSR organizes regular events for creating the environmental awareness by organizing tree plantation program, signing MoUs with the NGOs working in the environmental sector and many others. The Eco-Club also involves its volunteers to go the the nearby localities and carry out activities related to environmental awareness which can make our mother earth more livable. The Eco-club also organizes events over the burning social as well as environmental problems like waste disposal practices. The Eco-Club and the Rotract club does not restrict their activities within the college campus only, but spread flanks in the nearby areas of Thane and Mumbai. The institute has an active unit of National Service Scheme (NSS) where students used to do many activities like beach cleaning in line with Swachh Bharat Mission of the Union Government. The NSS unit also organizes the programs like cloth donation to the under privileges etc .which are having great societal cause. The institute also offers Environment Management as an elective course offered by the University of Mumbai to the final year engineering graduates. The institute has an active "Entrepreneurship Cell" which undertakes projects

	from industries as well as the social development organizations to carry out multi-disciplinary research along withgiving the flavor of becoming an entrepreneur to the students in the midst of their college days. The students take active part in Smart India Hackathons in all the years to shape the live project ideas coming from industries and various government departments. To create a platform for interacting directly with the industry professions regarding multi-disciplinary research the institute has active chapters of Institution of Electronics and Telecommunication Engineers (IETE) which organizes events like organizing expert lectures and workshops.
2. Academic bank of credits (ABC):	Being an affiliated institute under the University of Mumbai, we follow the guidelines of the University regarding the framing of courses and allotting credit points to the students. The institute is in the process of adopting Digi lockers scheme adopted by the University of Mumbai & nearabout 1000 students have done registration.
3. Skill development:	KCCEMSR has taken the initiative to establish the study center for AICTE KARMA (Module 2 and 3) scheme for developing the vocational skills among the students. The institute has an active training and placement (T&P) department which organizes regular training sessions for the students to make themselves industry ready. The T&P department makes the avenues for the students to work in the live projects. Besides these the institute also has active chapters of professional societies like IETE for providing the industry reaction platform to the students. Many vocational training programs are organized in collaboration with these professional societies. Every department of the institute organizes value added courses (VAC) on emerging areas like IoT, data science, networking (certified by CCNA) Python programming etc. for imparting necessary skills to the students. KCCEMSR organizes many events promoting the rich cultural heritage of ancient India. The institute religiously celebrates Independence Day, Republic Day, Youth Day, Parakram Diwas and International Yoga Day and other regional and national festivals.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using	At KCCEMSR regular courses or sessions are organized for Vedic math's, yoga, Exhibition - Nirali

online course):	was organized to create awareness of Indian Handcraft & Handloom for inculcating the ideas of rich heritage of ancient India. The students as well as staff members take an active part in it. Faculty and students are encouraged to undergo Indian Knowledge System certification by NPTEL.
5. Focus on Outcome based education (OBE):	More than 50% of the departments of KCCEMSR are NBA accredited. So, each and every activity is mapped with the Program Outcomes and attainment levels are calculated. The institute follows a practice of taking holistic feedback from students, guardians, recruiters and alumni members. The attainment of each subject is calculated setting some specific targets as directed by the Internal Quality Assessment Cell (IQAC) of the institute Not only courses even the extracurricular and co-curricular activities are also assessed based on the achievements which is the main assessing policy of Outcome based education. The CO-PO mapping is done at the departmental PAC level and then approved by IQAC. Then the performance of the students is judged based on internal examination, University exam based following the principles of outcome based education.
6. Distance education/online education:	The institute has an active cell for promoting v-labs of IIT Bombay. Apart from these students need to compulsorily complete online courses of Coursera, Edx, infosys spring board etc as a part of their achievements. The institute also have a local chapter of NPTEL for inculcating the benefits of self learning through online mode of education.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	The Electoral Literacy Club (ELC) has been set up in the college under the NSS Unit of K. C. College of Engineering & Management studies & Research
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, Students & faculty coordinator are appointed for management & organization of Electoral Activities. The ELC are also functional & have organized election awareness drive in the institution.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral	Program such as voter awareness pledge election quiz competition & election slogan competition had been organized in the college under the voter awareness

processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	campaign.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Voter awareness drive had been conducted in the college making students & leader aware regarding various election fact.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	Awareness is spread among the new voter to register & get the voter ID .

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1169	1126	1095	951	1013

File Description	Document
Institutional data in prescribed format	[View Document](#)

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 123

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
64	67	64	74	68

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
465.87	420.84	486.35	429.76	2154.07

File Description	Document
Upload Supporting Document	[View Document](#)

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

The academic year begins as per the schedule given by University of Mumbai. At the end of the working semester, the subject distribution of the forthcoming semester is done. The academic calendar is prepared which includes academic, assessment, extracurricular and cocurricular activities schedule. Orientation program is conducted for all the students to make them aware of all academic processes, continuous assessment reports and rubrics for evaluation.

The Head of Department conducts a meeting with the faculty before commencement of the semester and designates individual responsibility.

The Head of Department monitors teaching, learning & evaluation schemes of their respective departments. Regular meetings are conducted to review teaching learning, academic progress of students, students' grievances and suitable remedial actions are taken as per the requirements. Faculty prepares a course file, lab manual. The evaluation of students is done through i) Internal Assessment test (I & II), End Semester Theory Examination, ii) Oral/Practical Examinations, and iii) Quiz, Presentation, Mini-Projects, Assignments as led down in the curriculum.

The time schedule of the evaluation process is announced well in advance. Evaluation is done by the external and internal examiners. Theory paper evaluation for college and university examination is done by approved faculty members.

Academic audit is conducted at regular intervals. To support overall development and growth of students, a mentoring system is implemented. Regular one to one meeting with mentees is conducted and their queries/ problems are addressed and solved by mentors after consultation with respective Head of Departments. To provide exposure to work experience, the students are encouraged to undertake summer and winter internships in both online and offline mode. Regular feedback is taken from students in a well-structured manner. Feedbacks' are analysed and suitable corrective measures are taken. At the end of the third year, the departmental project coordinator invites the project titles from students related to problems in industry, research, and institute related problems. At the start of final year, a panel reviews these topics to finalize the project title. Each group has to report to their respective allotted guide every week and maintain the weekly report. The periodic reviews are taken to assess the students project performance. At the end of the semester, the students' group will prepare the project report which will be reviewed by an internal and external examiner appointed by the University.

File Description	Document
Provide Link for Additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 75

File Description	Document
List of students and the attendance sheet for the above mentioned programs	[View Document](#)
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Evidence of course completion, like course completion certificate etc. Apart from the above:	[View Document](#)

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 51.89

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
613	818	817	209	321

File Description	Document
Institutional data in the prescribed format	[View Document](#)

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

Environmental science & Professional Ethics also referred to as an interdisciplinary field because it incorporates information and ideas from multiple disciplines. To foster & create awareness about the Environment & Sustainability, Human values & Professional Ethics the curriculum has many courses. To create environmental awareness students are encouraged to take environment management subjects as institute level elective courses across all the engineering branches. Environmental management subjects deal with the different causes of environmental catastrophe (like acid rain, soil erosion, global warming, destruction of biodiversity etc.), environmental laws and the scope of engineers in environmental management.

Professional Communication Ethics (Third Year Engineering Semester-V) subject covers the modern ways of business communication along with the ethical values needed to run the business with goodwill and repute. E business and E commerce subject emphasises contribution of women entrepreneurs in E business. The institute has constituted various committees such as gender equity which is formed to promote gender equity. The entire college activity functions with coexistence and performance of all the students, without any discrimination.

The institute has established a Universal human value committee to promote human values among the students, faculties, and staff members. Committee conducts various activities, and faculty members are encouraged to undergo AICTE, UHV certification training program to inculcate human values amongst them.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 68.69

1.3.2.1 **Number of students undertaking project work/field work / internships**

Response: 803

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	[View Document](#)
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	[View Document](#)
Action taken report on the feedback analysis	[View Document](#)
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 86.27

2.1.1.1 **Number of seats filled year wise during last five years (Only first year admissions to be considered)**

2022-23	2021-22	2020-21	2019-20	2018-19
300	300	238	216	240

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
300	300	300	300	300

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list as published by the HEI and endorsed by the competent authority	[View Document](#)
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 100

2.1.2.1 **Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)**

2022-23	2021-22	2020-21	2019-20	2018-19
1	1	1	1	1

2.1.2.2 Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1	1	1	1	1

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	[View Document](#)
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	[View Document](#)

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 18.27

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

Outcome based education is the need of the 21st century where the teacher plays the role of facilitator. To enhance teaching learning, faculty uses following methods:

1. Experiential learning: Experiential learning is a method which is based on the idea that learning is a process of knowledge transformation of experience. The experience can be acquired outside of the traditional academic classroom teaching.To impart experiential learning following methods are used.

- **Final Year projects, Mini projects are given to the students where students apply the knowledge and skills learned from the courses studied to solve practical problems. Society and institute related problems are identified and few of them are converted to final year projects.**

- **Field trips/ Industry visits are arranged to make students aware about the current trends in Engineering processes and technologies.**

- **Entrepreneurship cell helps to inculcate new ideas into the Young**

- **minds and build them up into a successful Entrepreneur.**

- **Workshops are conducted by experts from academia and industry to improvise the knowledge as well as students get hands-on experience.**

-

2. Participative learning: Students are motivated to participate in inter and Intra collegiate technical activities. The events include technical paper presentation, poster presentation, Coding Competition, Group discussion. Students are encouraged to participate in different project competitions like Avishkar, GMRT, eYantra, Smart India Hackathon, inter collegiate competitions etc. Most of the students publish research papers out of their projects in National/International conferences and journals.

3. Problem solving methodologies: Many problem solving activities are organized in the technical festival of the college (DETROIX) to enhance students critical thinking like technical quiz, circuit mounting etc. Students are encouraged to participate in Smart India Hackathon which is a nationwide initiative to provide students a platform to solve some of industry and social related problems.It is compulsory for the students of every year(applicable for all engineering branches) to complete atleast one online certificate course along with the university curriculum.

Use of ICT for effective teaching and Learning

Various Cognitive levels are achieved using ICT enabled tools.

- **To enhance the teaching learning process, faculties use ICT enabled tools. like Google Classroom, Video Conferencing Tools, Google Docs, Presentation Applications etc. were used.**

- **Google forms were used to take course exit, program exit survey and department as well as institute level feedbacks.**

-

  Pedagogical Learning is adopted by teachers to enhance the efficacy of outcome based learning. Faculty uses presentation slides, simulation and demonstration in class to convey the content in an effective manner. Use of online journals and books are encouraged. Assignment questions of higher blooms are uploaded by faculty in respective Google classroom for dissemination among the students. Self learning by NPTEL ,MOOC, EDX videos are encouraged.

- **Department has a process to identify learning level of students and conduct various activities such as Role Play,Think pair and share, mind mapping, screen casting,on site visit,open book test etc. to enhance the learning.**

-

- **Quizzes were created for the multiple-choice questions and for short / broad answer type questions file uploading options were given.**

File Description	Document
Provide Link for Additional information	[View Document](#)

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

2.4.1.1 **Number of sanctioned posts year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
64	67	64	74	68

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	[View Document]

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 17.51

2.4.2.1 **Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
17	14	14	8	6

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	[View Document]
Institution data in the prescribed format	[View Document]
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	[View Document]

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

There is transparency in the assessment system of students. Orientation program is conducted at the beginning of the semester at departmental level and the entire schedule of the activities as per academic calendar is conveyed to the students along with ideas of grievances of the students with reference to the evaluation process.

1. Internal Assessment of the courses is done through conduction of two class tests in every semester as per university curriculum and average marks of both tests will be considered as final Internal Assessment marks.

1. The performance of the student is evaluated throughout the semester in terms of Term work which includes experiments, journal, tutorials, assignments, attendance and Project work. Rubrics are used for evaluation.Faculty is also maintaining the attendance record of students for theory and practical sessions for given subjects.

1. Reforms in Tests–

   1. Class test is a separate head for passing in the particular semester as per University of Mumbai Regulations.

   2. Faculty prepares three sets of question papers maintaining the cognitive levels and indicating performance indicators as laid down in AICTE exam reform policy.

   3. Marking scheme and solution is displayed for the students which helps to improve their performance.

1. Reforms in Assignment

   1. Reforms in the assignments include questions which are real time and are of higher cognitive levels enhances learning levels of students.

   2. Assignments are also given in the form of quiz, paper presentation, case study, self learning course etc.

1. Reforms in Journals

   1. Digitized journals are provided to students for laboratory subjects.

2. **Innovative experiment is added in addition to the experiment list.Modern tools like virtual labs,tinker lab etc. are used by faculty to enhance experiential learning.**

3. **Few subjects have a mini project or a case study which enhances a student's analytical, problem solving, communication skills.**

2. **Reforms in Major Project Evaluation-**

   1. **The project groups are formed before the commencement of the VII semester.**

   2. **A project schedule for the entire semester is displayed at the beginning of the semester.**

   3. **Out house projects are encouraged so that the students can get industry exposure.**

   4. **Project status is monitored based on weekly reporting and reviews taken by internal panel members.**

   5. **The evaluation of the term work of the project is done based on Weekly reporting and reviews taken, Internal presentation supported by project report.**

   6. **Students are encouraged to participate in intercollegiate project competitions and present their papers in national/International conferences and journals.**

A) University Level Grievances

1. **If the students are dissatisfied with the marks obtained there is a provision for getting photocopy of the answerscripts and getting those revaluated within stipulated time period.**

2. **If the student is not satisfied with the revaluation process he/she can apply for the grievances cell of University.**

3. **At the college level similar procedure is followed as directed by University of Mumbai.**

File Description	Document
Provide Link for Additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

Faculty and students are communicated Program outcomes, program specific outcomes and course outcomes through various ways:

- **Vision, Mission of the college is clearly displayed at various places such as college website, common areas, principal's cabin,labs.etc.**

- **Mission, Vision of Institute and Department are conveyed in the orientation program organized for the first year engineering students and the second year (diploma) students before the commencement of the course.**

- **Vision and Mission of Institute and Department, PEO are published in the institute magazine and newsletters and the same are announced to the stakeholders.**

- **Course outcome/Lab outcome are conveyed to the student of all the departments in the first lecture during syllabus discussion and also during the course modules wherever applicable.**

- **Course outcome/Lab outcome of each individual subject/lab is stated in the course file maintained by the subject teacher and displayed in the department laboratories.**

- **Course outcome/Lab outcome are mentioned in the journals.**

- **In Internal assessment each question is mapped with a particular CO of the specified course.**

At the end of every semester, all the departments map COs and POs by considering the direct and indirect forms of the assessment as discussed in the program Advisory Committee meetings . During the teaching-learning process, faculty members take utmost care to address all POs, PSOs, and COs.

File Description	Document
Provide Link for Additional information	[View Document](#)

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

- **The course outcomes are specified by the University of Mumbai in the syllabus. Subject teacher modify course outcome if required with the consent of the PAC committee.**

- **Course file is prepared & maintained by individual faculty for each course.**

- **Target for attainment of course (Learning) outcomes is set according to the result of the prerequisite subject of the given course. Course outcomes are mapped with program and program specific outcomes. CO – PO –PSO mapping & assessment tools are mentioned in the course file.**

- **The attainment of course outcome is calculated by direct and indirect tools for each course.**

- **Direct assessment tools such as internal tests, end semester examination, laboratory performance, assignments etc are used.**

- **Indirect assessment can include Course exit survey and experiential learning.**

- **Rubrics are formulated and communicated to students well in advance and are used to assess the performance of the student.**

- **Course exit survey is taken from the students at the end of the semester. Respective subject incharge prepares questionnaires for the survey which are mapped with course outcomes.**

- **Program exit survey is taken from current year passed out students at the time of convocation. These surveys give student's perspective on course/ program outcomes.**

- **Final attainment of course outcomes is calculated with 80% weightage for direct and 20% weightage for indirect assessment tools.**

- **Attainment of course (Learning) outcome at each course contributes to cognitive level of attaining the program outcomes.**

- **For bridging the gaps identified in the curriculum, various technical activities in collaboration with Industry-academia experts, Alumni etc are planned and conducted.**

- **Attainment levels help students and teachers for reviewing the knowledge acquired by learning the course as well as help the teacher to improve course delivery.**

File Description	Document
Provide Link for Additional information	[View Document](#)

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 85.04

2.6.3.1 **Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
217	231	197	246	252

2.6.3.2 **Number of final year students who appeared for the university examination year-wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
285	283	246	249	281

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	[View Document](#)
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1
Online student satisfaction survey regarding teaching learning process
Response:

File Description	Document
Upload database of all students on roll as per data template	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 2.16

3.1.1.1 **Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	2.16	0

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS),including awareness   about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

K.C. College of Engineering and Management Studies and Research has worked towards creating a research environment in the institute. The institute is motivating faculties and students to pursue and upgrade their research knowledge based on their area of interest and expertise. The institute is encouraging faculties to attend Faculty Development Programmes, Seminars, Workshops, Product Development, Short Term Training Programs and International and National Conferences in their research domain and to publish their research work in peer reviewed Journals. The institute is inspiring the students to utilize the laboratories, digital library resources, magazines, and journals to pursue their research work. The institute encourages students to participate in Project Competitions, Paper Presentation, and National and International conferences. As a part of Research and Innovation, the institute provides the financial as well as technical support for the technical competition named Smart India – Hackathon and other project competition. The R and D cell of the institute conducts various activities related to IPR awareness such as organizing FDPs

on Patent Filing, IPR Session for students under NIPAM etc. Faculty members are encouraged to file patents and copyrights. Few faculty members have both Indian and Foreign patents granted.

The institute is promoting practice of Indian Knowledge Systems (IKS) through organization of events like Yoga, Self-Defence and practicing traditional culture and values. Faculty members are encouraged to attend FDPs on Indian Knowledge System offered by Swayam.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 44

3.2.2.1 **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
13	5	10	10	6

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3 Research Publications and Awards

3.3.1

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 1.56

3.3.1.1 **Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
42	21	47	33	49

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	[View Document](#)
Link to re-directing to journal source-cite website in case of digital journals	[View Document](#)
Links to the papers published in journals listed in UGC CARE list or	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years

Response: 0.71

3.3.2.1 **Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
16	11	25	17	18

File Description	Document
List of chapter/book along with the links redirecting to the source website	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	[View Document](#)

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

The institute arranges various outreach initiatives aimed at fostering a strong bond between the institute and the surrounding community, with the goal of raising students' awareness of community needs. Students from our institute enthusiastically engage in social service endeavors, through NSS(National Service Scheme), YRC(Youth Red Cross), ROTARACT and Eco-Club contributing to their holistic growth and development.

Engagement in a myriad of activities spanning environmental, social, and health-related causes has been pivotal in fostering personal growth, community development, and societal progress over the years. Year 2022-23 witnessed a series of impactful events, including Environmental Pledge Day (World Environmental Day), which heightened awareness about environmental conservation and fostered a commitment to sustainable behaviors among participants. The Seed Ball Preparation Workshop brought together faculties and first-year engineering students, enhancing understanding of biodiversity conservation and promoting green initiatives within the academic community. NSS Foundation Day reinforced volunteerism and community engagement values, inspiring future service-oriented initiatives. Cloth Collection and Segregation efforts not only promoted eco-friendly practices but also supported underprivileged communities through cloth donations, contributing to sustainability and social equity. Furthermore, Yoga Sessions during Youth Week improved physical and mental well-being among participants, emphasizing the holistic benefits of yoga for overall health and wellness.

In the preceding year 2021-22, activities such as Indian Constitution Day raised awareness about democratic values and citizenship responsibilities, fostering civic engagement among participants. The E-Waste Drive addressed environmental concerns by promoting responsible recycling of electronic devices, contributing to environmental conservation efforts. Additionally, COVID-19 Vaccination Drives significantly increased vaccination coverage within communities, aiding in public health and safety by combating the spread of COVID-19. In 2020-21, activities like World Cancer Day raised awareness about cancer prevention and treatment, encouraging proactive health behaviors and support for cancer patients. Workshops on Intellectual Property Rights and Graphic Designing enhanced participants' understanding and skills in these areas, fostering creativity, innovation, and respect for intellectual property.

Reflecting on the year 2019-20, Yoga Day activities promoted physical fitness, mental well-being, and stress reduction, highlighting the importance of holistic health practices. Next Think Tank initiatives generated innovative solutions to societal challenges, fostering critical thinking and entrepreneurship among participants. Book Donation Drives, such as those in Pimpri, promoted literacy and access to education, empowering underserved communities and fostering a love for reading and learning. In 2018-19, activities like the Kerala Donation Drive and Free Eye Check-Up Camp showcased efforts towards humanitarian aid and health promotion. Moreover, the Voyage - trekking at Karnala and Health Checkup Camp contributed to community bonding and well-being.

These activities, conducted over the years, exemplify the power of community engagement, environmental stewardship, and health promotion in driving positive change at individual, community, and societal levels. By continuing to organize and participate in such activities, communities can address pressing challenges, foster a culture of service and sustainability, and create a better future for all.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

Write description in a maximum of 500 words

Institute's commitment to excellence and community engagement has been recognized through various awards and accolades in recent years. With a focus on innovation and impactful initiatives, the Institute has garnered appreciation from prestigious awarding bodies for its contributions to professional development, entrepreneurship, and social service.

In the year 2021-22, the activities undertaken by our Institute garnered significant recognition and accolades from various awarding bodies. The Next Think Tank initiative received a Citation and Certificate of Achievement from Rotaract, acknowledging its outstanding contribution to innovative problem-solving and community engagement. Additionally, our Public Relations efforts were recognized with another Citation and Certificate of Achievement from Rotaract, highlighting our effective communication strategies and outreach efforts. Moreover, achieving the 27th Position in R.I.D. 3142 earned us a Certificate of Appreciation from AARAS, underscoring our commitment to excellence and impactful initiatives within the Rotary community. Our dedication to professional and entrepreneurial development was further acknowledged with Certificates of Recognition for the Directors of Professional Development and Entrepreneurship Development, respectively, from Rotaract. Furthermore, our projects excelled in various domains, with awards such as the Best Project in Digital Communications, Training, Revival & Sustenance, and Community Service from AARAS, recognizing our efforts in leveraging technology, training initiatives, and community outreach programs to make a positive impact.

Turning to the year 2020-21, our Institute continued to shine, receiving accolades for its diverse

array of activities. Our Public Relations & Marketing endeavors were commended with a Citation and Certificate of Appreciation from Rotaract, recognizing our efforts in enhancing the Institute's visibility and brand presence. Despite the challenges posed by the pandemic, our Entrepreneurship Development initiatives during this difficult Rotary International year were acknowledged with another Citation and Certificate of Appreciation from Rotaract, highlighting our resilience and adaptability in fostering entrepreneurial skills. Similarly, our efforts in Professional Development Avenue were recognized with yet another Certificate of Appreciation from Rotaract, underscoring our commitment to empowering individuals with valuable skills and knowledge. The Next Think Tank initiative once again received appreciation with a Certificate of Appreciation from Rotaract, showcasing our continued dedication to fostering innovation and collaborative problem-solving. Furthermore, our Institute's placement at the 17th Position further solidified our standing within the Rotary community, earning us a Certificate of Appreciation from Rotaract. The crowning achievement came with the Best Professional Development Project award for Next Think Tank, recognizing our innovative approach to professional skill enhancement and community engagement.

In conclusion, the recognition and awards received are testament to our Institute's commitment to excellence, innovation, and community service. These accolades not only honor our past achievements but also inspire us to continue striving for excellence in all our endeavors. We are grateful for the support and recognition from awarding bodies such as Rotaract and AARAS, and we remain steadfast in our dedication to making a positive impact in our community and beyond.

File Description	Document	
Provide Link for Additional information	[View Document](#)	

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 124

3.4.3.1 **Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
39	25	16	20	24

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 30

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	[View Document](#)
List of year wise activities and exchange should be provided	[View Document](#)
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The institute follows the guidelines set by the All India Council for Technical Education (AICTE) for creating and enhancing the infrastructure to support effective teaching and learning. All the classrooms are ICT enabled for interactive teaching- learning. Cybernetix tools are used by faculties to enhance teaching learning efficacy in theory and lab sessions. The institute has set up lab in accordance with curriculum of University of Mumbai. The institute has well equipped library with sufficient number of volumes and titles. The digital library has subscription of a good number of e-journals, e-books, and online lecture materials. Library uses Open Source KOHA Server & Biyani Library software for issue and return of books. Campus is Wi-Fi enabled with bandwidth of 100 mbps. The campus is having DG set with capacity of 62.5 KVA for power back up. Canteen functions within the institute premises, and provides food at affordable rates for the staff and students of the college.

In order to enhance the communication skills of students, the Institute has an exclusive language lab with ETNL software. To encourage student's Entrepreneurship skill, there is a separate E-cell. The institute has seminar halls with an adequate seating capacity that can house small as well as large groups for co-curricular and extracurricular activities in the campus. The institute has a medical room, ramp facility for persons with disabilities, purified water, elevator facility. For fire safety, fire extinguisher facility is installed in the campus. To promote green energy, solar panels are installed in the campus. Security surveillance system is installed all over the campus.

To nurture the teamwork and leadership abilities, the institute actively encourages students to take part in a range of extracurricular activities. These activities includes participation of students in sports, technical and cultural events. The events are organized by NSS, YRC, Rotaract Club, other professional bodies like IETE, CSI and Student council of the college. The institute has adequate facilities for sports, i.e. indoor and outdoor games. Following are the details of sports ground.

Facility	Area	Year of Establishment	User Rate
Sports Ground	**2207 sq.m**	2001	100%

Every year, the institute's Student Council puts on a sporting event named Xavion. Students who enjoy team sports and outdoor activities can thrive in this environment. It includes various

competitions including indoor and outdoor games. Indoor games include Table Tennis, Badminton, Chess, Carrom etc. Outdoor games include activities of Kho-Kho, football, badminton, cricket, volleyball, throw ball, kabaddi, etc. For fitness of the students the institution provides gymnasium facility with the instrument plate of 2.5 kg, plate of 25 Kg, long bar(etc), gym bench, all body workout machine.

The Institute has been organizing Yoga sessions for improving mental and physical health of faculty and students and also celebrates International Yoga Day. The annual intercollegiate cultural festival Reflexionz is organized by the institution. It provides a platform for students to exhibit their talents and organizational skills. Various cultural events like dance, fashion show, singing and many more events are organized during Reflexionz.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 41.22

4.1.2.1 **Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
26.21	9.84	2.18	42.08	1550.80

File Description	Document
Institutional data in the prescribed format	[View Document](#)
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	[View Document](#)

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

The library is the resource hub for knowledge and has a huge collection of books, journals, magazines and e-resources. It is situated on the 4th floor of the College covering an area of 402 square meter. The Library is fully automated since 2013 with the Integrated Library Management System (ILMS). It has an Online Public Access System (OPAC) and is Wi-Fi enabled.

All of its activities are managed using the ILMS Biyani Software. KOHA LMS including web OPAC is implemented to upgrade the existing library automation system since 2023. KOHA is open source highly integrated, user-friendly, and compatible system for the complete computerization of all the in-house operations of the Library. The important Modules of KOHA include Cataloging, Circulation, Acquisition, Serial Control, Patrons, Reports, etc. Through these ILMS the library has been automated with all its functions like issuing/returning and renewal of books, regular updation of books purchased by the library, maintaining the database of books in the catalog module, generating spine label and barcode, stock verification, maintaining journals records, maintaining newspaper, Generate various kind of reports and many more can do.

Library provides collection of 103962 books (18663 print books and 85299 e-books), 18364 journals (30 print journals and 18334 e-journals), 1100+ Audio–Visual Materials to its members. It provides a reading room of 110 students seating capacity with a separate discussion area of 100 students' seating capacity.

For the e-resource Library has subscription Knimbus. Using Knimbus, user can access 85299+ e-books and 18334+ e-journals remotely using login id and password. In addition, the library provides open access e-resources and information for the same is displayed on the e-library section and notice board area.

Average 37 users have been using the library per day over the past year.

10 computers are available for students in the digital-library section with 100 MBPS internet.

These computers are used to access various e-resources like the Knimbus, NDL, Swayam, NPTEL and other open-access resources.

Along with the books, library maintains Question Papers of all the streams for reference, University Syllabus, College Conference Proceedings, College Magazines, etc. Timings are 9:00 AM to 07:00 PM from Monday to Saturday.

SERVICES PROVIDED BY THE LIBRARY

- **Computerized Issue/ Return, Renewal Service**

- **Reference Service**

- **New arrival Display.**

- **Book Bank Service**

- **Open Access Resources through the library website**

- **Internet/Wi-Fi facility**

- **CCTV surveillance for security reinforcement**

- **Remote access of subscribed e-resources to faculty and students through KNIMIBUS application @ https://www.knimbus.com/user#/home**

- **Library Web OPAC @ Biyani : http://library.biyanitechnologies.com/Layout/Browse**

- **Koha : http://192.168.40.3/**

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

The college has IT infrastructure and facilities and has been upgrading regularly. Institute has three internet lines with bandwidth of 350 Mbps shared through Tp-link TL -ER 5120 Load Balancer. The internet line is upgraded to 775 mbps in the academic year 2023-2024. Internet access is monitored and managed by open source PF-sense firewall. Institute network is managed through D Link core switch (DGS 3130) and VLAN's which is configured floor wise. Institute has 1 Gbps backbone network connected via fiber optic for wired network and all the floors are connected to the server room via Fiber optic cables. The wireless network has been connected via

TP-link 26 access points.

K C College of Engineering & Management Studies & Research, Thane currently has more than 494 Computers that are networked and managed with a Licensed Microsoft Windows 2022 Standard AD Server. Institute has Microsoft Cloud Campus Agreement for managing Microsoft licenses. Total 216 Computer Systems are Core i5 up to Academic year 2022- 2023. Also added 140 nos. i5 systems in academic year 2023- 2024. Staff PCs also had been updated with Core i5 Computer systems recently in academic year 2023- 2024.

All staff members and students are provided with College Mail id (@Kccemsr.edu.in) through G-Suite. Institute has been providing data backup in Google drive for administrative and academic systems. G-Suite Education -Google workspace provides flexible pooled storage per user that is shared across the institution.

Institute Engineering Department has a Lab facility with ETNL Language Software for enrich English Communication skill for students. The English language lab is also equipped with the ETNL software, headphones and enough bandwidth support given by the IT team.

Seminar Hall also enriched with High Speed internet & Wi-Fi Access Point. Seminar Hall & Drawing Hall has Cybernetix tools used by faculties to enhance teaching learning efficacy in theory and lab sessions. Also All classrooms have projector with wireless connectivity & Wi-Fi facility. Our college building consists of 5 floors and we have Wi-Fi installed on every floor with an Individual bandwidth speed of 100 mbps. We have upgraded the bandwidth speed.

Open Source KOHA Server & Biyani Library Cloud base software for Library had been installed in our Library. Also Microsoft Windows Terminal Server with 10 clients had been installed for students in our Library to access E Journals. College has an active website maintained by in-house staff.

File Description	Document
Upload Additional information	[View Document](#)

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 2.37

4.3.2.1 **Number of computers available for students usage during the latest completed academic year:**

Response: 494

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 27.26

4.4.1.1 **Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
220.16	197.67	73.91	237.57	349.37

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 51.59

5.1.1.1 **Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
640	828	421	410	463

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	[View Document](#)
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	[View Document](#)
Upload policy document of the HEI for award of scholarship and freeships.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

  1. *Soft skills*
  2. *Language and communication skills*
  3. *Life skills (Yoga, physical fitness, health and hygiene)*
  4. *ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	[View Document](#)
Report with photographs on ICT/computing skills enhancement programs	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 89.84

5.1.3.1 **Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
160	941	1864	1154	691

File Description	Document
Upload supporting document	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

1. **Implementation of guidelines of statutory/regulatory bodies**
2. **Organisation wide awareness and undertakings on policies with zero tolerance**
3. **Mechanisms for submission of online/offline students' grievances**
4. **Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	[View Document](#)
Proof related to Mechanisms for submission of online/offline students' grievances	[View Document](#)
Details of statutory/regulatory Committees (to be notified in institutional website also)	[View Document](#)
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 68.77

5.2.1.1 **Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
164	236	149	166	71

5.2.1.2 **Number of outgoing students year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
217	231	197	246	252

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	[View Document](#)
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 11.76

5.2.2.1 **Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)**

2022-23	2021-22	2020-21	2019-20	2018-19
1	15	13	11	2

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	[View Document](#)
Institutional data in the prescribed format	[View Document](#)

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years

Response: 2

5.3.1.1 *Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years*

2022-23	2021-22	2020-21	2019-20	2018-19
1	0	0	1	0

File Description	Document
list and links to e-copies of award letters and certificates	[View Document]()
Institutional data in the prescribed format	[View Document]()

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 14.6

5.3.2.1 **Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
16	14	15	13	15

File Description	Document
Upload supporting document	[View Document]()
Institutional data in the prescribed format	[View Document]()

5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Contribution of alumni in College:

Institute has a registered Alumni Association since 2018-19 who contribute through Financial and Non Financial means. Our alumni enthusiastically

participate to share their ideas, encouraging present students through seminars, guest lectures , workshops and judging the project competitions.

They are actively involved in the teaching-learning process and skill development of students by delivering bridge courses, advising them for industry readiness and other activities leading to bridge the gap between industry and academia.

Contribution of alumni for the institution plays a very important

role for its overall development. Institute is connected to alumni

via Facebook, Whatsapp, and LinkedIn. They have reached a good

position in their career and also try to help present students of

college to achieve success.

Alumni are placed at higher positions in Industries like TCS,

Loreal, Wipro, Zycus, Eclinical, Sutherland, Zoriant, Reliance

JIO, Decolite CapGemini. Few alumni are entrepreneurs and running

their companies like YUPS Tech Solutions Private Limited, Big

Dreams Private Limited, Appdroid.cometc.

Few are contributing to government organizations like the Armed force, Metro Railways, NSDL etc. Many have opted for higher studies in India & abroad. Our Alumni are not only technically good but have also shown their excellence in various fields like Novel writing, Photography, sports,Blog writing, Acting etc.

File Description	Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

The Management and the Principal ensure that the policy statements and action plans are formulated, after careful consideration of all the stakeholders. The action plans for operations are prepared under the supervision and guidance of the Principal and Heads of the departments. A well-planned academic calendar before the start of each semester is prepared as per the guidelines of University of Mumbai.

To deliver good quality education among the students, the curriculum of University of Mumbai is strictly followed with a well structured time table. In addition to that the departmental PAC committee frames certain activities to academically strengthen the students even more.

To impart the technical skills among the students for their Industry readiness the students are offered with value added courses, online and offline internships , technical and soft skill training etc. The students are encouraged to participate in the national and regional project competitions to showcase their technical as well as leadership skills. The faculties undergo a continuous development of their technical as well as managerial skills by attending and organizing various STTPs/FDPs/Certification Courses and publishing research papers in indexed journals.

The roles and responsibilities of a responsible citizen is imparted to the students of KCCEMSR by encouraging them to participate in the social events organized by NSS and YRC (blood donation camp , village community service beach cleaning etc.). The students under the guidance of faculty members also attend the philanthropic services organized by Rotaract Club.

The Government of Maharashtra will be implementing the NEP 2020 scheme from 2024-25. To create awareness the institution has encouraged the faculties to participate in Workshops and FDPs related to NEP. In accordance with NEP, skill, ability and multidisciplinary enhancement courses are offered to students.

The following committees are in accordance to decentralize the academic and administrative

activities:

- **Anti-Ragging Committee Grievance and Redressal Committee**

- **Internal Complaints Committee**

- **IQAC Examination Committee**

- **R&D Committee**

- **Entrepreneurship, Incubation and Innovation Committee**

- **Training and Placement Committee**

- **Library Committee**

- **Rotaract, DLLE,etc.**

Decentralization at Department level

Each department is managed by the Head of the Department for the day-to-day administration

Departments have internal working committees.

Decentralization and participative Management in the Institution

Case Study: To understand and analyze the actual potential of the students Training and

Placement Cell conducts surveys before they pass out of the campus. The survey guides in strategizing upcoming activities adding more industry partners. Roll out more opportunities for the students in broad horizons.

The Institute has a prospective plan for development. Different key areas are considered Few of them are given below

Perspective plan/Strategic Plan Deployment

- **Extension of NBA Accreditation for EXTC and Computer Engineering Departments**

- **Second Cycle of NAAC for the institute**

- **Value Added course conduction in the emerging areas**

- **Various Honor Courses Implementation from semester 5 as approved by University of Mumbai**

Short term perspective planning

- **Product Development**

- **Consultancy Services**

- **Institute Collaboration for Research**

Long term perspective planning

- **Industry Connected Lab**

- **Enhancement of Intake**

- **Autonomous status for institute**

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

For the deployment the Institute has identified Different key areas such as Academic expansion to introduce new programmes, to get permanent affiliation, NAAC Accreditation, NBA Accreditation,

Case Study
NBA Accreditation
Institute and department level NBA coordinators suggested policies like innovative activities, activities for academically bright and weak students in teaching learning processes. More usage of modern tool to conduct teaching learning process more smoothly, course certification by Eduskills promoted by institute and Virtual internship for the students.

Value Added course conduction in the emerging areas like Blue Prism RPA, Microchip as proposed by AICTE by Eduskills Certified Faculties or trainers.
At institutional level Honour course implementation to inculcate new technical skill set other than regular curriculum degree.

Governing Council
Its purpose is to decide the overall strategic direction and educational quality. It includes determining and approving the institution strategic plan.

College Development Committee
As per Maharashtra Public Universities Act, 2016 clause 97 it is established and functions.

Internal Quality Assurance Cell
To enhance the quality improvements in the academic process and as a pre-accreditation exercise.

Research and Development
In order to strengthen and expand the research activities in the institute, R&D was established. This cell is mainly dedicated to promoting the spirit of entrepreneurship among students. The purpose of entrepreneurship cell is i) to bring out entrepreneurial flair in students ii) to make students understand entrepreneurial attitude and entrepreneurial skills iii) to provide them with a platform which gives them a number of innovative opportunities to develop the entrepreneur in them.

Anti-Ragging Committee:
Ragging Complaints will be handled as per Government Guidelines.

ICCAs per section 4 of Sexual Harassment of Women at Workplace
Act, 2013 and Mumbai University Circular NO.UWDC/ECD/2016-17 dated
03/03/2017.

Recruitment Policies Regular appointment of the faculty member on a regular basis is made through the university selection committee. For Adhoc appointment of the faculty, the appointment for the period Semester or Academic year is made through the internal selection Committee.

Research paper and Training programs related policies All Staff
members are encouraged to take up various All India Council for
Technical Education (AICTE) approved short-term training programs
or attend reputed National or International conferences/seminars/workshop. Research papers published in reputed journals like SCOPUS, SCI have incentive policy.

Recruitment Policies

o Regular and Adhoc appointment policies

Regular appointment of the faculty member on regular basis is made through University selection committee. The selected candidates are appointed on Probation period of 2 years and after satisfactory completion of period their services are confirmed.

For Adhoc appointment of the faculty, the appointment for the period of Semester or Academic year is made through the internal selection Committee.

File Description	Document
Upload Additional information	[View Document](#)
Institutional perspective Plan and deployment documents on the website	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.2.2

Institution implements e-governance in its operations

1. **Administration**
2. **Finance and Accounts**
3. **Student Admission and Support**
4. **Examination**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	[View Document](#)
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	[View Document](#)
Provide Links for any other relevant document to support the claim (if any)	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

A very positive and clear strategy is opted to assist, analyze and encourage faculty members by college/department. This will give the precise measure for knowing strengths and weaknesses of each faculty for the determination of highest performance and professional growth from all sides.

Faculty Performance Index(FPI) is divided into.

1. Academic Performance Index(API)

2. Research Contribution Index(RCI)

3. Institutional Development Index(IDI)

- **Academic Performance Index (API) covers details of academic activities done by faculty member for the given academic year**

- **Research Contribution index(RCI) includes Journal publication, book published, patents, Consultancy Projects, research undertaken, conference attended/ workshop organized, professional activities.**

- **Institutional Development Index(IDI) evaluates contribution of faculty at department and institute level responsibilities.**

Technical Non-Teaching Staff Performance Appraisal

includes three factors

- **Academic performance Index assessed through laboratory work, Academic Development and Technical Training/certification completed.**

- **Departmental Contribution Index evaluates responsibility performed at department level**

- **Institutional Development Index evaluates contribution at Institute level work**

This entire procedure is carried out by the Staff Appraisal Panel chaired by the Principal.

Following welfare measures are taken for :

Teaching

- **Health checkups camps are organized in the campus**

- **Permission to attend seminars, workshops and conferences at State, National and International levels and provision is made for the reimbursement of the registration fee and traveling allowances.**

- **OD (on Official Duty) to attend development programs.**

- **Leaves for PhD related work.**

- **Faculties are motivated for filing patent/copyright by paying remuneration for its expenditure.**

- **Reimbursements are provided to the faculty for any research work as per HR rules.**

Non -teaching

- **Health checkups camps are organized in the campus**

- **Administrative training**

File Description	Document
Upload Additional information	[View Document](#)

6.3.2

Percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 50.15

6.3.2.1 **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
31	31	32	43	32

File Description	Document
Policy document on providing financial support to teachers	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	[View Document](#)
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	[View Document](#)

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 50.36

6.3.3.1 **Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP),** *Management Development Programmes (MDPs)* **professional development /administrative training programs during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
35	33	43	78	19

6.3.3.2 **Number of non-teaching staff year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
15	16	13	15	17

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	[View Document](#)
Institutional data in the prescribed format	[View Document](#)
Copy of the certificates of the program attended by teachers.	[View Document](#)

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

The main source of funds for the institute is the fees received from students. Policies for reservations and scholarships of Maharashtra Government are applicable to students admitted through centralized admission process. As per these policies, 100% fees of students from SC, ST, SBC, NT categories and 50% fees of students from OBC category is paid by Government in the form of scholarships. 50% fees of Economically Backward Open category students come from Government. Approximately 10% of the total fees come from the Government without any predefined disbursement schedule. Institute also provides its IT infrastructure and is set up for conducting online examinations like JEE/MH-CET. The infrastructure is provided for such examinations on holidays only and the institute gets infrastructure utilization charges. Each department prepares its budget based on the requirements. The budget is reviewed by management and approved after necessary changes. As and when required, the institute makes a provision for advance/ additional funds. The Role Holders' committee discusses requirements and decides the priorities while allocating financial resources. The Governing Body studies annual expenditure, scrutinizes the budget and provides feedback for efficient use of financial resources. Financial audits are conducted by a chartered accountant every financial year to verify compliance with established processes.

Audit is conducted every quarter by an internal Auditor M/s. M. S .Duseja & Associates, Ulhasnagar. Also internal and external audits are conducted in every financial year to ensure financial compliance. Normally statutory financial audit is conducted in the month of June / July. Finalization of accounts is completed in August and audited statements are prepared in August duly signed by the Principal, Trustee and chartered accountant. Reports of auditing agencies are submitted to the Principal and the Managing committee of the institute as per the annual audit reports from the external auditing agency. The financial statements are prepared under historical cost convention on accrual basis Fixed assets are stated at cost of acquisition or construction less depreciation. Cost comprises the purchase price and other attribute costs including expenses and financial cost during the construction period. Depreciation is provided as per the Written down

Value method and as per rates and procedures laid down under the Income Tax Act 1961. Fees from students are recognized as income. Interest on fixed deposit and savings is recognized as income at the end of year. Investments are stated at cost plus accumulated interest till the date of Balance Sheet.

File Description	Document
Upload Additional information	[View Document](#)

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

KCCEMSR established IQAC in 2017. IQAC functions as a central point for strategizing quality methods it meant for planning, guiding and monitoring Quality Enhancement activities.

Initiative by IQAC

NBA Accreditation:

We follow Outcome-Based Education. The Institute has obtained 3 years NBA accreditation for Computer Engineering and Electronics and Telecommunication Engineering departments.

Different formats are upgraded by IQAC as per the need. List is given below

Lesson Plan: Knowledge dimension field is added in the lesson plan. The revised taxonomy differentiates between "knowing what," the content of thinking, and "knowing how," the procedures used in solving problems. The Knowledge Dimension is the "knowing what."

Upgraded Mentor form , Event proposal format, Rubrics for Assignment and Experiment were updated, Mentor feedback introduced in feedback format, Performance indicators are introduced

in Internal Assessment Question Paper from 2023-24 as per AICTE Exam Reform Policy

MoU:

Industry Institute Interaction is enhanced via MoUs signed by the Institute. To evaluate the efficacy of outcome based education. MoUs are signed for Internships, Online Certication Courses Industrial visits etc.

The resolutions made by IQAC have a major impact on the quality of academic, extra-curricular and co-curricular activities in the institute. The cell has initiated an academic agenda for implementing effective outcome based learning. Reviewing these initiatives is one of the important tasks which the institute tries to achieve through ISO audit, internal and external academic audit, and corrective actions on different types of feedback.

IQAC plays significant role in effectively implementing the norms imposed by regulatory authorities like AICTE, UGC University of Mumbai etc. for strengthening the Outcome based Education

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

6.5.2

Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
2. **Academic and Administrative Audit (AAA) and follow-up action taken**
3. **Collaborative quality initiatives with other institution(s)**
4. **Participation in NIRF and other recognized rankings**
5. **Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	[View Document](#)
NIRF report, AAA report and details on follow up actions	[View Document](#)
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	[View Document](#)
Link to Minute of IQAC meetings, hosted on HEI website	[View Document](#)

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Gender equity and sensitization are critical components of creating an inclusive and supportive atmosphere in educational institutions. KCCEMSR, Thane, is committed to fostering gender equality through a variety of activities and programmes. Here's an overview of a few programmes organised by year:

A.Y.2022-23

Textile Technology and Economics Exhibition- While not directly tied to gender, such activities can promote women's participation and representation in STEM disciplines, thereby increasing gender diversity and inclusion.

Navratri Celebration and Dandiya-Cultural events bring students together, instilling a feeling of community and inclusivity in all who participate.

The Haldi Kum-Kum Ceremony Celebration- While based on tradition, such ceremonies can provide inclusive spaces for women to connect, exchange stories, and encourage one another.

International Yoga Day- Promoting physical and mental well-being cuts beyond gender lines, emphasising the value of inclusivity and holistic health practices.

A.Y.2021-22

Zumba Sessions-While not expressly gender-specific, activities such as Zumba can encourage participation from a variety of groups, encouraging inclusivity and physical well-being among students.

Self-defence for Girls- Empowering females with self-defence abilities is an important step towards gender equity, as it promotes confidence and personal safety in a variety of circumstances.

A.Y.2020-21

International Women's Day- This event, which reiterates the commitment to gender equality, will serve as a forum for talks, workshops, and awareness initiatives targeted at reducing gender gaps.

International Yoga Day- Yoga, as an inclusive practice, promotes physical and mental well-being for people of all genders, helping to develop a culture of holistic health and inclusion.

A.Y.2019-20

Savitribai Phule Jayanti: Continuing the tradition of honouring Savitri Bai Phule, this event emphasises the importance of women's education and empowerment, motivating students to follow in her footsteps.

International Women's Day- recurring event that emphasises the importance of gender equality and women's rights while also encouraging dialogue and reflection on gender equity-related problems.

International Yoga Day-While not expressly gendered, yoga promotes overall well-being, benefiting people of all genders and contributing to an inclusive culture.

A.Y.2018-19

International Woman's Day- International Women's Day commemorates the accomplishments and challenges that women confront around the world while also raising awareness and advocating for gender equality.

Savitri Bhai Phule Jayanti- This event commemorates the birth anniversary of Savitri Bai Phule, a pioneer of women's education in India, and serves as a source of inspiration for female empowerment.

Self-defence Programme- Empowering women with self-defence skills boosts their confidence and safety, addresses personal security issues, and promotes gender sensitization.

Raksha Bandhan celebrations- Raksha Bandhan typically celebrates sibling connections, but it can also serve as a platform to promote gender equality and respect for women in familial and cultural contexts.

Beyond that, the institute has provided facilities in other dimensions. -

Safety and Security:

The institute has established an anti-ragging committee. The university has also formed the Internal Complaint Committee to address issues related to sexual harassment.

Counselling:

To raise awareness regarding various issues like psychological issues, sanitation, and sexual harassment, the institute has counselor for the psychological issues of students and staff members as and when required.

Common Room:

The institute has separate girl's common rooms and boys common rooms as per the requirements.

File Description	Document
Upload Additional information	[View Document](#)
Provide Link for Additional information	[View Document](#)

7.1.2

The Institution has facilities and initiatives for

1. **Alternate sources of energy and energy conservation measures**
2. **Management of the various types of degradable and nondegradable waste**
3. **Water conservation**
4. **Green campus initiatives**
5. **Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Geo-tagged photographs/videos of the facilities.	[View Document](#)
Circulars and report of activities for the implementation of the initiatives document	[View Document](#)
Bills for the purchase of equipment's for the facilities created under this metric	[View Document](#)

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. **Green audit / Environment audit**
2. **Energy audit**
3. **Clean and green campus initiatives**
4. **Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

Over the course of several academic years, KCCEMSR has painstakingly planned a number of initiatives and events with the goal of creating an inclusive environment and raising awareness of constitutional obligations among students and staff.

Dr. Vanchna Singh, a member of Abdul Kalam Technical University's UHV cell, Lucknow, curated enriching sessions on universal human values throughout the academic year 2022-23, aimed at nurturing students' ethical consciousness and fostering a culture of empathy, respect, and integrity within the student community.

The dedication to promoting inclusivity and understanding at KCCEMSR did not waver in the academic year, 2021–22. Public health and social responsibility were front and centre in the institute's efforts through programmes like the immunisation drive and webinars on universal human values and organ donation. Gender inclusiveness and empowerment were expressed in specialised courses on issues such as period hygiene and self-defence for girls. The academic experience was further enhanced by guest lectures and events like Yoga Day, which promoted cultural and moral values in addition to physical and mental well-being.

In A.Y. 2020–21, KCCEMSR adjusted its programs to accommodate the new normal in the face of the COVID-19 epidemic. Recognising the importance of empathy and understanding in our increasingly linked society, the importance of communication skills and human values was emphasised as crucial components of holistic development. The institution's inclusive practices demonstrated resilience and adaptability by allowing virtual celebrations of national events such as Independence Day and Swami Vivekananda Jayanti.

In the A.Y. 2019–20 , KCCEMSR persisted in its goal of spreading ideals that know no borders by hosting webinars on topics such as joy, unity, and global brotherhood. Commemorations of notable figures such as APJ Abdul Kalam, Dr. Rajendra Prasad, and Dr. C. V. Raman provided

opportunities to contemplate their legacies and aspire to live up to their principles. In order to encourage pupils to pursue a life of compassion and leadership, the institute partnered with Vivekananda Kendra, to host motivational speakers.

Recognising the importance of mental health in fostering an inclusive society, the institute began its endeavours in the A.Y. 2018–19 with counselling sessions. With great reverence for cultural variety, they rejoiced events like Holi, Lohri, Pongal, Diwali, and Christmas. Celebrations honouring great people like Mahatma Gandhi, Dr. Rajendra Prasad, and Chhatrapati Shivaji Maharaj provided a chance to reflect on the past while also teaching future generations the importance of selflessness, leadership, and patriotism. Additionally, workshops on road safety highlighted the organization's dedication to the well-being of its members and the community.

Simply put, KCCEMSR's efforts to foster not just skilled professionals but also conscientious and caring individuals are evidence of its commitment to a welcoming community and its understanding of its constitutional duties. By implementing a wide range of programmes that cover cultural, social, and ethical aspects, the institute is able to mould students into people who are good citizens who are able to make a positive impact on the world around them.

File Description	Document	
Provide Link for Additional information	[View Document](#)	

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

1. Title of the Practice

- Mission Green: A Journey from 2018 to 2023

1. Objectives of the Practice

- To inculcate environmental values and consciousness amongst students, staff, and society.
- To ensure the protection of the environment through green and energy initiatives

2. The Context

  The environment is facing significant changes due to pollution, plastic overuse, and resource mismanagement. We need educational organisations and public awareness to regulate conscious efforts, promote recycling, e-waste, and energy conservation.

The Practice

A.Y. 2023-24

- ? The institute organised thirteen activities in A.Y. 2023–24. The main initiatives are
- ? No Iron Day celebration on every Monday from October 3,2023.
- ? E-waste collection drive on 23 April , 2024
- ? The BEE-certified agency Senergy Consultants Pvt. Ltd. conducted a green energy and environmental audit on 2 April,24
- ? Over 200 students completed Energy Literacy Training from the ENERGY SWARAJ

FOUNDATION.
A.Y. 2022-23

- Project exhibition on May 25, 2023.
- Flowers Holi on March 7, 2023.
- Dry-waste collection drive on January 16, 2023.
- Plant distribution on February 2, 2023.
- Expert lecture on "Green Initiative" on November 16, 2022.
- Amla Navami celebration on November 1, 2022.
- Seed Plantation Trek on September 22, 2022.
- Seed ball preparation workshop for first, second and final-year students on June 3,2023, and October 10, 2022.

A.Y. 2021-22

- MOU was signed with Ms. Rashmi Joshi, Environment Consultant, from August ,2021, to August 8, 2025.
- Webinar on environmental awareness on January 5, 2022.
- Holi with herbal colours on March 18th, 2022.
- Baisakhi decoration with paper waste on April 13th, 2022.
- Online national-level quiz on environmental science from May 2 to May 20, 2022.
- No-vehicle day" on May 20, 2022.
- Organ Donation webinar and presentation competition on May 21, 2022.
- Tree plantation drive on June 3, 2022.

A.Y.2020-21

- Signed a MOU with Ms. Rashmi Joshi, Environment Consultant, from August 10,2020, to August 9, 2021.
- FDP on Emerging Areas of Research in Science and Environment"One Student, One Tree" plantation activity (AICTE) by Eco-Club
- A national-level quiz on environmental sciences
- Eco session in F.E. Induction
- 10 saplings were donated to commemorate Sapling Donation Day.
- Webinar organized on "Kitchen & Terrace Gardening" and "E-Waste Management"

A.Y. 2019-20

- MOU signed with Environment Consultant Rashmi Joshi and KCCEMSR.

- Conducted a national-level quiz on environmental science.
- COVID 2020 online poster-making competition
- On World Environment Day, organized webinar on Air Pollution, Global Warming,
- Climate Change, Society, and Sustainability.

A.Y. 2018-19

- Received the "Green Campus Award" from Synergy in January 2019.
- E-waste collection drive with E-Incarnation Recycling Private Limited.
- Waste paper collection drive on April 24, 2019.
- Celebrated No Vehicles Day on February 28, 2019.
- Cleanliness Awareness Programme with Thane Municipal Corporation
- Green audit by Quality Certification Services from January 3, 2019 to January 4,2019.
- Plastic collection drive from June 11 to June 15, 2018
- Plantation drive on World Environment Day, June 5, 2018
- Seminar on "Domestic Waste Management and Terrace Gardening of Vegetables" on March 16, 2018.
- Installed a solar panel system on March 9, 2018.

5. Evidence of Success

The Eco Club at K.C. College has been successful in promoting environmental consciousness and action through various initiatives such as project exhibitions, environmental pledge days,seed ball workshops, and eco-themed events. They have also received awards for their commitment to sustainability and implemented energy-saving measures, demonstrating their commitment to fostering environmental awareness within the college community.

3. Problems encountered and resources required

Environmental self-awareness is essential because it encourages people to consider their actions and ecological footprint. This awareness motivates people to take steps towards a greener planet for all, such as cutting back on plastic use, saving energy, and encouraging sustainable behaviours.

2. Title of Practice: Soft Skill

1. Objectives of the Practice

- Develop effective communication and Team skills.
- Strengthen problem-solving skills.
- Cultivate leadership qualities.

The Context

Soft skills, often referred to as interpersonal or social skills, are essential for success in any workplace. Technical skills are specific to a specific job, while soft skills are versatile and applicable in various professional and personal settings. These skills include communication,teamwork, adaptability, problem-solving, and leadership.

2.The Practice

Memorandums of Understanding (MOUs) between educational institutions and industries enables

students to gain practical experience, improving communication and teamwork. Rotaract clubs provide a platform for soft skills development through activities like public speaking and community service, enhancing communication and leadership. Companies like Infosys offer online platforms with interactive courses and workshops for students to improve their soft skills.KCCEMSR, as part of India's National Intellectual Property Awareness Mission (NIPAM) under "Azadi ka Amrit Mahotsav," hosted a workshop on Intellectual Property Rights (IPR), educating participants on patents, copyrights, trademarks, and trade secrets, including practical exercises in preparing and filing patent applications.

3. Evidence of Success

From AY 2018-19 to 2022-23, twenty nine activities were organized (list attached).Problem Encountered In the aftermath of COVID-19, students have demonstrated a noticeable deficiency in interpersonal skills, whether in their actual abilities or their outlook on entrepreneurship. Encouraging students in this regard has proven challenging, as only a few initially expressed interest. While forming a substantial team required considerable time, we are now making strides forward.

2. Title of Practice Enterprenaur Cell
1. Objectives of the Practice

? Mentoring younger generation
? Start-ups under Muter serve as motivational factors
Sharing success and failure stories motivates incoming members

2.The Context
Rapid technological advancements lead to diverse market demands. There is ample opportunity for individuals with specific skill sets to establish their own businesses in response to these needs. The Indian ecosystem is now providing a platform for budding entrepreneurs by creating an environment for start-ups and umpteen opportunities to acquire seed funds from government and non-government agencies.
3.The Practice
As the years have passed, the E-cell team has matured, with alumni establishing their own start-ups and mentoring the younger and newer generation, transforming into a self-assured andmotivating team of mentors and mentees. Several start-ups under Muter, the umbrella of E-cell,have become motivational factors for incoming members by sharing their success and failure stories.E-cell has initiated training students through hands-on workshops such as mobile/laptop repair courses, ethical hacking, and cyber security, providing a valuable opportunity for self-realization and enhancing their employability.5.Evidence of Success From AY 2018-19 to 2022-23, twenty seven activities were conducted (list attached).
4.Problem Encountered
Post-COVID has been an era where overall students lack interest, be it in their skills or their attitude towards interprenanship. Motivating students to pursue entrepreneurship became a daunting task, with fewer students initially showing interest. It took quite a while to build a significant team, but now we are up and moving.

File Description	Document
Best practices as hosted on the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

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 organised 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 neighbouring regions of Thane and Mumbai. **We received 14 certificates of recognition for extension activities from non-government-recognised 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 organised 16 sessions; three sessions were organised by Dr. Vanchna Singh, a member of the National Coordination Committee for Induction Programme (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 Programme (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 COURSERA, 8 NPTAL, and 10 EDX (certification courses) in the last five years. EduSkills 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 organise an international conference. The institute has twice organised 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 organises 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. Puja Rai Pradhan, Chief Operating Officer at Excelssior 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.

File Description	Document
Appropriate web in the Institutional website	[View Document](#)
Any other relevant information	[View Document](#)

5. CONCLUSION

Additional Information :

Providing exposure to students is an integral part of the institute. The institute provides ample opportunities for overall development of students. The institute strives to get internships for students in third year. Industrial visits are organized regularly to get a fair idea of what is going on in the industry. In final year most students present papers in national or international conferences. Students are connected socially through NSS (National Service Scheme), Rotaract, YRC (Youth Red Cross). Also participation in student council, various cells and technical and cultural events gives student an opportunity to explore their co-curricular and extra-curricular capabilities. Thus apart from teaching and learning the institute provides opportunities for holistic development
of students.

Concluding Remarks :

Going ahead as per the vision of the institute, it is striving to achieve excellence in all domains like academic,co-curricular and extra-curricular activities and in social outreach program. The institute plans continuous improvement strategies in all domains and implemented meticulously. It has regular performance evaluation of various operations and takes regular action on feedbacks received from various stakeholders.