# Yearly Status Report - 2019-2020

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1. Name of the Institution** | **EXCELSSIOR EDUCATION SOCIETY'S K.C. COLLEGE OF ENGINEERING AND MANAGEMENT STUDIES AND RESEARCH** |
| Name of the head of the Institution | **Dr. Vilas Nitnaware** |
| Designation | **Principal** |
| Does the Institution function from own campus | **Yes** |
| Phone no/Alternate Phone no. | **022-25327100** |
| Mobile no. | **9867055566** |
| Registered Email | **principal@kccemsr.edu.in** |
| Alternate Email | **iqac@kccemsr.edu.in** |
| Address | **Mith Bunder Road, Near Sadguru Garden** |
| City/Town | **THANE EAST** |
| State/UT | **Maharashtra** |
| Pincode | **400603** |
| **2. Institutional Status** | |
| Affiliated / Constituent | **Affiliated** |
| Type of Institution | **Co-education** |
| Location | **Urban** |
| Financial Status | **private** |

| Name of the IQAC co-ordinator/Director | Dr. Arundhati Chakrabarti |
|---|---|
| Phone no/Alternate Phone no. | 02225356085 |
| Mobile no. | 9028012321 |
| Registered Email | arundhati.chakrabarti@kccemsr.edu.in |
| Alternate Email | iqac@kccemsr.edu.in |

## 3. Website Address

| Web-link of the AQAR: (Previous Academic Year) | **https://kccemsr.edu.in/naac/AQAR-2018-19** |
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## 4. Whether Academic Calendar prepared during the year

| 4. Whether Academic Calendar prepared during the year | Yes |
|---|---|
| if yes,whether it is uploaded in the institutional website: Weblink : | **https://kccemsr.edu.in/academics/academic-calendar** |

## 5. Accrediation Details

| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
|---|---|---|---|---|---|
| | | | | **Period From** | **Period To** |
| 1 | B++ | 2.88 | 2019 | 14-Jun-2019 | 13-Jun-2024 |

## 6. Date of Establishment of IQAC

| 6. Date of Establishment of IQAC | 01-Sep-2017 |
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## 7. Internal Quality Assurance System

| Quality initiatives by IQAC during the year for promoting quality culture | | |
|---|---|---|
| Item /Title of the quality initiative by IQAC | Date & Duration | Number of participants/ beneficiaries |
| Synergogy - An effective teaching learning system | 29-Jun-2020 1 | 140 |
| FDP on Communication Skills and Human Values in Holistic Development | 26-Jun-2020 2 | 218 |
| Faculty development program on Learn Devops | 26-Jun- | 55 |

| | | |
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| | 2020 3 | |
| International Seminar on Emerging Technologies of Nano Science, Environment and Energy: Covid-19 Restriction | 23-Jun-2020 2 | 207 |
| Hangout with soul | 21-Jun-2020 1 | 208 |
| Faculty development program on ICT/LMS tool | 16-Jun-2020 4 | 550 |
| A 2-Day Faculty Development Program on Game Pedagogy in Out Come Based Education | 11-Jun-2020 3 | 300 |
| Air Pollution, Global Warming, Climate Change, Society And Sustainability | 05-Jun-2020 1 | 179 |
| Quiz Competition for Students - Library | 04-Jun-2020 5 | 326 |
| Industry-Institute Partnership path | 01-Jun-2020 1 | 548 |

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## 8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|---|---|---|
| Mrs. Pragati Chandankhede | Minor Research Grant Project 201920 | University of Mumbai | 2019 365 | 15000 |
| Mrs. Asmita S. Deshmukh | Minor Research Grant Project 2019-20 | University of Mumbai | 2019 365 | 25000 |
| Mr. Mandar Ganjapurkar | Minor Research Grant Project 2019-20 | University of Mumbai | 2019 365 | 25000 |
| Mrs. Amarja Adgaonkar | Minor Research | University | 2019 | 20000 |

| | | | | |
|---|---|---|---|---|
| | Grant Project 2019-20 | of Mumbai | 365 | |
| Mrs. Shubhangi Mangesh Verulkar | Minor Research Grant Project 2019-20 | University of Mumbai | 2019 365 | 30000 |
| Mrs. Manasi Choche | Minor Research Grant Project 2019-20 | University of Mumbai | 2019 365 | 25000 |
| Dr. Baban U. Rindhe | Minor Research Grant Project 2019-20 | University of Mumbai | 2019 365 | 25000 |
| Mrs. Aarti Manoj Bakshi | Minor Research Grant Project 2019-20 | University of Mumbai | 2019 365 | 20000 |
| Mrs. Sumita Gupta | Minor Research Grant Project 2019-20 | University of Mumbai | 2019 365 | 16000 |
| Mr. Yogesh Karunakar | Minor Research Grant Project 2019-20 | University of Mumbai | 2019 365 | 20000 |

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| **9. Whether composition of IQAC as per latest NAAC guidelines:** | Yes |
| Upload latest notification of formation of IQAC | View File |
| **10. Number of IQAC meetings held during the year :** | 4 |
| The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website | Yes |
| Upload the minutes of meeting and action taken report | View File |
| **11. Whether IQAC received funding from any of the funding agency to support its activities during the year?** | No |
| **12. Significant contributions made by IQAC during the current year(maximum five bullets)** | |
| 1. Updations in the mentoring process of the students. 2. | |

Establishment of Human Value Cell. 3. NBA accreditation for EXTC department. 4. Improvement in the quality of research publications. 5. Establishment of industry sponsored labs.

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## 13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

| Plan of Action | Achivements/Outcomes |
|---|---|
| The quality of various processes is to be upgraded and implemented by ISO Certification 9001:2015. | External and internal audit for the setup of processes has played a vital role in maintaining the quality culture. The result was evident across all sections by issuance of the ISO certificate. |
| Regular academic internal audit of all departments and administrative audit of all sections conducted by IQAC by training the members in the format of ISO. | IQAC conducted regular audit and uniformity in the nature of work across all sections was evident. |
| Feedback was collected from all stakeholders with the involvement of departments and Training and Placement office. Their views and suggestions were discussed in IQAC meetings. | Semester wise and annual feedback are collected from students as course exit survey, on teaching learning process, faculty and subject wise, mentor, on facility, on basis of partcipation in various events. Also from other stakeholders feedbacks are taken and feed forward of their suggestions are implemented in the upcoming semester or next academic year. |
| The Membership of professional bodies like CSI & IETE applied by Computer and Electronics Telecommunication department respectively. | The membership was received by the respective departments and various technical events were conducted under its banner for the skill enhancement of the students. |
| Faculties were send for Universal Human Values FDP sponsored by AICTE. | The Human value cell was established in the college. MOU was signed with Vivekanand Kendra to promote the cell. Regular sessions were conducted during the Induction Program and regular sessions were also conducted to inculcate the value system in our students. |
| Improvement of subject wise | The result was found to improve by minimum 5% across all departments through these efforts. |

| | |
|---|---|
| academic results by minimum 5% from previous academic results based on university or historic result. The heads of the department continuously monitored the progress and was made more effective through remedial lectures, activity for bright students and various doubt clearing sessions. | |
| Minimum one training per staff for their administrative or academic advancement was suggested and it was incorporated in the appraisal form and also financial assistance was provided. | All staff had undergone training as per their areas of interest. |
| Institute applied for funding of incubation centre from MSME for generation and incubation of business ideas through KC-Ecell. | MSME courses were conducted on EAC / EPP in the college. Our institute got selected for the status of HIBI (Higher Institute for Business Incubator) from MSME. In the selection process, our institute received a whooping number of approximately 200 business ideas for shortlisting and then guidance. |
| KC-Rotaract planned and executed the event named Next Think Tank (NTT) which was done with a social cause. | The event was successfully conducted by witnessing crowd of around 350 participants. |
| Implementation of outcome based education. | Outcome based education implementation was evident through the mapping of every academic, co-curricular or extra-curricular activity to the program or course outcome, identification of the cognitive levels and formulation of the course outcomes and various assessment techniques mapped to identify the level of students and also by identifying the gaps and planning various events with an objective to fill up the gaps. For more appropriate evaluation of the course outcomes, it was decided and implemented that |

in internal assessment I, questions will be asked on 3 COs and in internal assessment II it will be based on other 3 remaining COs as per the weightage.

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| 14. Whether AQAR was placed before statutory body ? | Yes |
|---|---|

| Name of Statutory Body | Meeting Date |
|---|---|
| CDC | 12-Feb-2021 |

| 15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ? | Yes |
|---|---|
| Date of Visit | 21-Sep-2019 |
| 16. Whether institutional data submitted to AISHE: | Yes |
| Year of Submission | 2020 |
| Date of Submission | 13-Aug-2020 |
| 17. Does the Institution have Management Information System ? | Yes |
| If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words) | The institute has various MIS systems as per requirement in use sections, as follows: 1. Teaching departments are using MOODLE, Google groups for information dissemination. 2. Examination section uses VIVA software which is in tune with the examination system of the University of Mumbai. All examrelated work and result preparation are done with the help of this software. 3. Accounts department uses Tally software. 4. Library uses Biyani software to keep all kinds of records like book issue/ return, stock. Reports can be generated from the use of software like Accession Register, daily book issue and return register, a summary of purchase of books, title wise booklist and count analysis report for maximum books issued |

by students, subject wise, department wise, a summary of books, books issued to staff, student, late return books, stock verification, no dues list, books write off, discarded, lost, etc. register wise, book title wise details, daily fine collection register. The MIS systems used are effective and help in a great way for prompt information.

# Part B

## CRITERION I – CURRICULAR ASPECTS

### 1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. I

The academic year begins as per the schedule given by the University member participates at various bodies of the university such as Boar subject syllabus setting. At the end of the working semester, f distribution is done. The academic calendar is prepared which inc assessment schedule, as well as sports and cultural events. Head monitor teaching-learning & evaluation schedules of the institution are conducted for the newly admitted first-year and lateral entry s make them aware of all academic processes. HoDs conduct meeting wit the commencement of the semester to make the faculty aware of the Regular meetings are conducted to review teaching-learning, academi students' grievances, and suitable remedial actions are taken as pe semester-wise timetables are prepared as per the availability of cou aware of the timetable, academic calendar & roll list by displayin before the start of the semester. All the information about the co rubrics is provided to the students at the beginning of the semester amongst students, the institute uses a learning management system. file, lab manual, & schedule for various activities. The same copie HoDs. Lectures & practical planning & implementation are regularly In the pandemic situation, online lectures were delivered through G Meet). The evaluation of students is done through i) Internal Assess Semester Theory Examination ii) Oral/Practical Examinations and ii mini-projects, assignments, etc. The time schedule of the evaluatio well in advance. Evaluation is done by the external and internal e evaluation for college and university examinations is done by appro academic audit is conducted by the departmental committee every se overall development and growth of students, the mentoring system i one-to-one meetings with mentees are conducted and their queries ar after the consultation if required. To provide exposure to work ex encouraged to undertake internships. Institute helps them to find programs by coordinating with the HR of various organizations. Regu from students personally or online. Feedbacks are analyzed and suit At the end of the third-year semester examination, the departmenta invites the project titles depends on society, research, industry, problems. At the start of the final year, a panel reviews these t project title. Each group has to report to their respective guide e the weekly report. At the end of the semester, the student group wi report. This will be reviewed by External Examiner appointed

## 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus employability/entr |
|---|---|---|---|---|
| National Level Poster Competition | Nil | 20/05/2020 | 1 | Skill Deve |
| Workshop on Android Development | Nil | 07/02/2020 | 5 | Employab |
| Intercollege miniproject exibition and competition mini exibit | Nil | 10/10/2019 | 1 | Employab |
| Seminar onApplications of Java | Nil | 30/09/2019 | 1 | Employab |
| Seminar onRole of data analytics and advanced tools | Nil | 26/09/2019 | 1 | Employab |
| Worshop on Cyber Security and Ethical Hacking | Nil | 20/09/2019 | 2 | Employab |
| Hands on workshop on React JS | Nil | 19/09/2019 | 6 | Employab |
| Workshop on Android Application Development | Nil | 27/08/2019 | 4 | Employab |
| Workshop on Android Application Development | Nil | 19/08/2019 | 4 | Employab |
| Design and Application of IOT | Nil | 24/07/2019 | 2 | Employab |

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization |
|---|---|
| BE | Information Technology Revised syllabus (Rev- 2016) f Year 2016 -17 |
| BE | Information Technology REV- 2019 'C' Scheme |
| BE | Electronics and Telecommunication Engineering Revise (Rev- 2016) from Academic Year 2016 -17 |
| BE | Electronics and Telecommunication Engineering REV- 20 |
| BE | Computer Engineering Revised syllabus (Rev- 2016) fr Year 2016 -17 |
| BE | Computer Engineering REV- 2019 'C' Scheme |

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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system impleme (if applicable) during the academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of imp |
|---|---|---|
| BE | Computer Engineering | |
| BE | Computer Engineering | |
| BE | Electronics and Telecommunication Engineering | |
| BE | Electronics and Telecommunication Engineering | |
| BE | Information Technology | |
| BE | Information Technology | |

### 1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

| | Certificate | |
|---|---|---|
| Number of Students | 476 | |

## 1.3 – Curriculum Enrichment

### 1.3.1 – Value-added courses imparting transferable and life skills offered during the year

| Value Added Courses | Date of Introduction |
|---|---|
| Data Science | 05/03/2020 |
| Campus Placement training on Technical skills | 18/02/2020 |
| Design and Applications of IOT-level 1 | 15/02/2020 |
| Android Application Development | 07/02/2020 |
| Campus Placement training on soft skills | 03/02/2020 |
| Campus Placement training on aptitude skills | 10/01/2020 |

| Machine Learning | 05/12/2019 |
| Android Application Development | 27/08/2019 |
| Certification Course on Python | 19/07/2019 |

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### 1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students er In |
| --- | --- | --- |
| BE | Computer Engineering | |
| BE | Electronics and Telecommunication | |
| BE | Information Technology | |
| MMS | Master of Management Studies | |
| BE | First Year Engineering | |

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## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

| Students |
| --- |
| Teachers |
| Employers |
| Alumni |
| Parents |

### 1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the words)

| Feedback Obtained |
| --- |
| Feedback is obtained to evaluate the performance and quality of the with respect to the teaching-learning process, co-curricular and ext activities, and from all stakeholders. The purpose of this is to pro obtaining, summarizing, and documenting information on student and s of the quality and effectiveness of the institute's curriculum for u and activities. The institute maintains different types of feedback, organizing workshops, certification courses, seminars, or any other from participants as well as delegates also. In the pandemic situati organized for staff and workshops and competitions were organized fo feedback is taken from students in an online mode. Performance is ar faculties. The feedback from alumni is drawn for evaluating subject through the program, progress of alumni in their chosen career after of different training, workshop, social skills, ability to make deci skills at the workplace. Feedback to evaluate the facilities provide and the ambiance provided for students and staff. All students and s opportunity to provide feedback. Faculty feedback by the students is every semester. The students give feedback for all the theory and pr to them in the semester. All the feedback received from various stak and analysis is carried out at the department level or at the instit |

feedback is analyzed and the action taken report is prepared and cor
implemented subsequently.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number re |
|---|---|---|---|
| BE | Computer Engineering | 90 | |
| BE | Electronics and Telecommunication | 90 | |
| BE | Information Technology | 60 | |
| MMS | Master of Management Studies | 60 | |

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### 2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltim available in the teaching only P |
|---|---|---|---|---|
| 2019 | 948 | 84 | 68 | 6 |

### 2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Syster etc. (current year data)

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | N cl |
|---|---|---|---|---|
| 74 | 74 | 3 | 17 | |

**View File of ICT Tools and resources**

**View File of E-resources and techniques used**

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 word

Mentoring System Mentoring is essentially about helping students to develop more effectively.
build confidence and support the mentee so that they can take control of their own devel
objectives of the practice followed by the institute are: To monitor the student's regularity c
teacher-student relationship. Counseling students for solving their administrative, academic
provide confidence to improve their quality of life. Guiding students to choose the right caree
entrepreneurship, etc. Assignment of Mentor Mentors are allotted in the first year but when the
they are allotted a new mentor which remains the same until the students graduate. Each mer
depending on the available strength. When the final year batch of students graduates, the mer
year students. Responsibilities of Mentor Keep a track of the attendance of mentees in theory l
seminars, etc. A timely conversation with parents for regular updates through either WhatsApp
Keeping track of academic record (class test marks, final result). Motivating students for part

curricular, co-curricular, extra-curricular, and social activities. Keeping the track of various ac
Mentor 1. Academic Counseling 2. Professional guidance Counseling 3. Career advancement Co
Problems reported and addressed at mentor level: Extra lectures, doubt sessions needed by s
concerned faculty mentor. Personal counseling was needed for students who were having difficu
were having problems balancing KTs exams regular exams, the mentor suggested remedies me
the students. Students having problems with not interactive socially taken care of by mentors.
HoD Students wanted workshops on recent trends (hands-on), to which HoD took an initiative
same for all year students. BE students were tense about their future/job/higher studies, thro
arranged counseling for study abroad was done. Each mentor takes regular updates from the m
least thrice in a semester. All the status of the mentoring done is reported to the mentor in cha
documents are submitted to the mentor in charge at the end of the semester. The mentor in cl
Head of Department, an overall mentoring of the department by submitting a Mer

| Number of students enrolled in the institution | Number of fulltime teachers |
|---|---|
| 1032 | 74 |

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the c year |
|---|---|---|---|
| 56 | 74 | Nill | 12 |

### 2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships level from Government, recognised bodies during the year )

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, re recognized b |
|---|---|---|---|
| 2020 | Dr Shelley Oberoi | Associate Professor | Appreciation Letter from Ar for Curriculu |
| 2020 | Dr. Baban Rindhe | Professor | Session Chair for Interna "Industry 4.0-(ICI-4.0)" on College of En |
| 2020 | Dr. Baban Rindhe | Professor | Judge for 3 days National l Hackthon at K. C. College Management Studies and Rese 30.5.20: |
| 2020 | Dr. Baban Rindhe | Professor | Reviewer in first interna Automation, Computing and C organized by D Y Patil Univ 28.6.20 |
| 2019 | Dr. Baban Rindhe | Professor | Bharat Ratana_Dr Sarvapali Award |
| 2019 | Dr. Baban Rindhe | Professor | Appointed as a Board of Electronics Telecomunicatic University o |
| 2019 | Dr. Arundhati Chakrabarti | Vice Principal | Reviewer for Elsevier jo Compoun |
| 2020 | Dr. Ravi Prakash | Associate Professor | NPTEL Course Translation – translator, NPTEI |

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## 2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaratio

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declarat yea |
| --- | --- | --- | --- | --- |
| No Data Entered/Not Applicable !!! | | | | |

| **View File** |
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level

Institute follows University of Mumbai guidelines related to the system. Internal assessment, assignments, practicals, etc are cons: attainment of the Course Outcomes for the subjects. 1. Two class tes conducted in every semester covering the syllabus as per university marks of both tests are considered as final Internal Assessment mark question paper from a module are according to their weightage in the key is displayed on the notice board. 2. The Term work which include tutorials, assignments, attendance, and Project work (if applicab: rubrics are defined for evaluation of the same. The attendance re theory and practical sessions is maintained. 3. Reforms in Tests- separate head for passing in the particular semester as per guidelin Mumbai. B) Faculty prepares three sets of question papers maintainir for a given subject and one out of it is randomly selected for the In-charge. Due to the worldwide Corona Pandemic, the academic acti like lectures, practicals, assignments, tests were conducted online were conducted in the form of multiple-choice questions on google f the solutions were made available to the students. The theory assig assigned through the Google classroom for the respectiv

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related r

The academic calendar is prepared by IQAC along with the Principal a Departments, the dates for all the activities are finalized at the k semester for the planning and smooth course conduction by the facult actions of the institute are based on the academic calendar of the a (University of Mumbai). At the beginning of the academic year i.e. i the college prepares its own academic plan semester wise consists of to December and EVEN Semester from January to June, proposing the ac probable dates but with reference to the term calendar given by the 2. Academic calendar includes curricular, co-curricular, and extra-c be conducted by the institute. Curricular activities such as schedul internal practical oral exam, assignment, final term work submission included. Institute adheres to conduct various internal examinations practical examinations, etc as per the academic calendar. 3. Practic practical oral exams are conducted as per the academic calendar (slc oral/practical exam are provided in the University of Mumbai academi term-end.

## 2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offe and displayed in website of the institution (to provide the weblink)

**https://kccemsr.edu.in/public/naac/course-outcome-201**

## 2.6.2 – Pass percentage of students

| Programme Code | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Num pass |
|---|---|---|---|---|
| 321024510 | BE | BE in Computer Engineering | 116 | |
| 321037210 | BE | BE in Electronics and Telecommunication | 65 | |
| 321024610 | BE | BE in Information Technology | 62 | |
| 321010210 | MMS | Master of Management Studies | 48 | |

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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may de and details be provided as weblink)

**https://kccemsr.edu.in/public/naac/sss-2019-20.**

# CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

## 3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organi

| Nature of the Project | Duration | Name of the funding agency | Total grant sanctioned | Am |
|---|---|---|---|---|
| Minor Projects | 365 | Univeristy of Mumbai | 2.21 | |
| Any Other (Specify) | 60 | KCCEMSR | 0 | |

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## 3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Acadere the year

| Title of workshop/seminar | Name of th |
|---|---|
| Webinar on Synergogoy – An effective teaching learning system | Industry In Interactic |
| Learn Devops | Department of Technol |
| Career opportunities in Data Analytics | Training and Pl |
| Webinar on Industry institute partnership path ahead | Industry In Interactic |
| Pre campus engagement session by TCS | Training and Pl |
| ROLE OF ELECTRONICS TELECOMMUNICATION ENGINEERS IN INDUSTRIAL AUTOMATION | Department of and Telecomm |
| Expert session Inputs of Campus Preparedness post | Training and Pl |

| | |
|---|---|
| Covid-19 | |
| Indian Economy Post Covid | Department of Management |
| Demystifying BoT Deployment using RPA | Department of Enginee |
| AI Powered ML Algorithm Deployment Live | Department of Enginee |
| Expert Session by Mr Brajesh Sharma for EXTC students. | Training and Pl |
| Expert Session on career opportunities for EXTC students. | Training and Pl |
| Campus Placement Preparedness by Ms Daisy Rebello | Training and Pl |
| Expert session on career Opportunities for Finance students (MMS) | Training and Pl |
| HR session by Mr Aakash Gaikwad | Training and Pl |
| State of Art of Industry | Department of Technol |
| SIEM (Guest Lecture) | Department of Enginee |
| App Development in IOS (Guest Lecture) | Department of Enginee |
| Expert Lecture on "Review of Terahertz Sources, Detectors and Spectroscopy of materials" | Department of and Telecomm |
| Financial Analysis of Balance Sheet | Department of Managem |
| Guest Lecture on "Network Management Principle Security" | Department of and Telecomm |
| Guest Lecture on "Next Generation Network" | Department of and Telecomm |
| Jobs Opportunities in Government Sector | Department of Managem |
| Guest Lecture on Networking and Communication | Department of and Telecomm |
| Applications in Java | Department of Technol |
| Seminar on Role of Data Analytics and Advance Tools used in Industry | Department of Technol |
| Preparatory session for ECW | Training and Pl |
| Training on Java for Campus Placement | Training and Pl |

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the

| Title of the innovation | Name of Awardee | Awarding Agency | |
|---|---|---|---|
| ReTax | Bhupinder Singh Maan | IIT(BHU),Varanasi | 25, |

| Bharat Ratana_Dr Sarvapali Radhakrishan_Gold Medal Award | Dr. Baban U. Rindhe | Global Economic Progress and Research Association | 07/ |
| Certificate of Merit with 4th Rank | Simmar Kalsi Team | CodeFest19 IIT (BHU) | 13/ |
| Indication Circuit for overloaded Vehicles | Mr. Pratap Nair | Intellectual Property India | 07/ |
| Mechanical Arrangment to protect experimental DRONE from breaking due to unexpected crash | Dr. Baban Rindhe, Mr. Rajiv Iyer | Patent Office Mumbai | |

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## 3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

| Incubation Center | Name | Sponsered By | Name of the Start-up | Nature of Start-up |
|---|---|---|---|---|
| 01 | IIARL | KCCEMSR | HIE Cabs | Tourism and Cab serv |

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## 3.3 – Research Publications and Awards

## 3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | Inte |
|---|---|---|
| 1 | 4 | |

## 3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

| Name of the Department | |
|---|---|
| Department of Humanities and Applied Science | |
| Department of Master of Management | |

## 3.3.3 – Research Publications in the Journals notified on UGC website during the year

| Type | Department | Number of Publication |
|---|---|---|
| International | Department of Computer Engineering | 19 |
| International | Department of Electronics and Telecommunication | 12 |
| International | Department of Information Technology | 2 |

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## 3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/Interna per Teacher during the year

| Department |
|---|
| Department of Computer Engineering |
| Department of Electronics and Telecommunication |

| Department of Humanities Applied Sciences |
| Department of Information Technology |

| No file uploaded. |

### 3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation Science or PubMed/ Indian Citation Index

| Title of the Paper | Name of Author | Title of journal | Year of publication | Cit In |
|---|---|---|---|---|
| Sign Language Recognition using Neural Network | Aarti Bakshi | International Journal of Latest Technology in Engineering, Management Applied Science (IJLTEMAS) | 2020 | |
| Financial Advisory Assistant Platform | Aarti Bakshi | International Journal of Scientific Development and Research (IJSDR) | 2020 | |

| No file uploaded. |

### 3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science

| Title of the Paper | Name of Author | Title of journal | Year of publication | in |
|---|---|---|---|---|
| Sign Language Recognition using Neural Network | Aarti Bakshi | International Journal of Latest Technology in Engineering, Management Applied Science (IJLTEMAS) | 2020 | |
| Financial Advisory Assistant Platform | Aarti Bakshi | International Journal of Scientific Development and Research (IJSDR) | 2020 | |

| No file uploaded. |

### 3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

| Number of Faculty | International | Na |
|---|---|---|
| Attended/Seminars/Workshops | Nill | |
| Presented papers | 33 | |
| Resource persons | Nill | |

| No file uploaded. |

## 3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the ye

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Num |
|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | |

| View File |
|---|

3.4.2 – Awards and recognition received for extension activities from Government and other rec

| Name of the activity | Award/Recognition | Awarding Bodies | Num |
|---|---|---|---|
| NIL | NIL | NIL | |

| No file uploaded. |
|---|

3.4.3 – Students participating in extension activities with Government Organisations, Non-Gover programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

| Name of the scheme | Organising unit/Agency/collaborating agency | Name of the activity | Number of teachers participated in such activites |
|---|---|---|---|
| No Data Entered/Not Applicable !!! | | | |

| View File |
|---|

## 3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange duri

| Nature of activity | Participant | Source of fi |
|---|---|---|
| Industrial Visit – Manali | 29 | |
| Industrial Visit – Reliance JIO | 52 | |
| Industrial Visit – SAMEER | 33 | |
| Industrial Visit – Manali | 10 | |
| Industrial Visit –Gangtok | 45 | |
| Industrial Visit – MMFSL | 28 | |
| Industrial Visit – Chandigarh | 51 | |
| Industrial Visit – SEBI | 60 | |
| Industrial Visit – RBI | 65 | |
| Industrial Visit – Mahindra Finance | 58 | |

| No file uploaded. |
|---|

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sh during the year

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details |
|---|---|---|
| No Data Entered/Not Applicable !!! | | |

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|---|

3.5.3 – MoUs signed with institutions of national, international importance, other universities, in during the year

| Organisation | Date of MoU signed | Purpose/Activities |
|---|---|---|
| Blocklogy Edutech Pvt Ltd | 16/08/2019 | Training Skill enhancement - FDP on B and its application |
| Cloud Counselage Pvt. Ltd | 16/08/2019 | Training, placement and Interns: |
| Ignicia Technology Pvt.Ltd. | 30/08/2019 | Internship Skill Enhancement |
| APPDID Infotech LLP,Thane | 19/09/2019 | Internship Skill Enhancement - "30 Hr Added Program on Android Applica Development" |
| Vivekanand Kendra Kanyakumari ,Thane | 05/10/2019 | To inculcate values amongst stud |
| Dcodetech IT Industrial Training | 20/11/2019 | Internship on Web development and |
| Anudeep | 02/12/2019 | Training under CSR of Capegemi: |
| Nimbus Technologies | 18/12/2019 | Internship, Industry Supported Lab, S Projects - Conducted Webinar on Ro Electronics Telecommunication Engir Industrial Automation |
| Fuel | 05/03/2020 | Training under CSR of LTI |
| MOU Signed with Environment Consultant Mrs. Rashmi Joshi. | 08/08/2019 | ECO Awareness Program (FE Induction |

| No file uploaded. |
|---|

# CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

## 4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

| Budget allocated for infrastructure augmentation | Budget utilized for inf |
|---|---|
| 50 | 4: |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities |
|---|
| Video Centre |
| Seminar halls with ICT facilities |
| Classrooms with Wi-Fi OR LAN |
| Classrooms with LCD facilities |
| Seminar Halls |

| Laboratories |
| :--- |
| Class rooms |
| Campus Area |
| Others |
| Value of the equipment purchased during the year (rs. in lakhs |
| Number of important equipments purchased (Greater than 1-0 lakh) dur current year |

| View File |
| :---: |

## 4.2 – Library as a Learning Resource

### 4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

| Name of the ILMS software | Nature of automation (fully or patially) | Ver |
| :---: | :---: | :---: |
| Biyani Technologies | Fully | VE |

### 4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | |
| :---: | :---: | :---: | :---: | :---: |
| Text Books | 18911 | 4267879 | Nill | Nill |
| Reference Books | 1922 | 941871 | Nill | Nill |
| e-Books | 700000 | Nill | Nill | Nill |
| Journals | 48 | 123402 | 37 | 106883 |
| e-Journals | 400 | 206470 | Nill | Nill |
| Digital Database | 12000 | 65962 | Nill | Nill |
| CD & Video | 112 | Nill | Nill | Nill |
| Library Automation | 1 | 35400 | Nill | Nill |
| Weeding (hard & soft) | Nill | Nill | Nill | Nill |

| No file uploaded. |
| :---: |

### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala C other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning

| Name of the Teacher | Name of the Module | Platform on which module is developed |
| :--- | :--- | :--- |
| No Data Entered/Not Applicable !!! | | |

| View File |
| :---: |

## 4.3 – IT Infrastructure

### 4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departmen |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Existing | 465 | 17 | 100 | 1 | 1 | 1 | 5 |
| Added | 0 | 0 | 50 | 0 | 0 | 0 | 0 |
| Total | 465 | 17 | 150 | 1 | 1 | 1 | 5 |

### 4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

| 0 MBPS/ GBPS |
|---|

## 4.3.3 – Facility for e-content

| Name of the e-content development facility | Provide the link of the videos and media centre and rec |
|---|---|
| Open Broadcaster Software (OBS), BigBlueButton (BBB), Video lecture capturing facility | https://www.youtube.com/watch?v=fWECyi8vmL8&list=PLZSzAtoBtkwXHjZ4LJdCDS |
| Google Classroom | https://classroom.google.com/u/0/c/MTE1NzQwOTk1OTBa/p/N |
| Moodle | http://www.learningatkc.com/moodl |

## 4.4 – Maintenance of Campus Infrastructure

### 4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilitie during the year

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | ma |
|---|---|---|---|
| 96.5 | 83.92 | 105 | |

### 4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support faci complex, computers, classrooms etc. (maximum 500 words) (information to be available in insti

Technical Education is the backbone of every nation and is the stepp
 to move into the niche of a developed nation. To achieve excellence
education, all the Departments and various functioning units of the
with infrastructure facilities. To develop the skills, attitudes, un
 institute has Human Value Education Cell. The institute always ensu
 adequate financial resources for maintenance and upkeep of major fa
physical, and support facilities. To maintain cleanliness and hygien
 time outsourced housekeeping team is available. Generators, power s
  backups (UPS) are kept in an isolated area to prevent any damage
  interference. The effective usage of all the facilities is ensure
 students to participate in various curricular and co-curricular ac
frequently updates IT facilities. An exclusive system administrator
   college to cater to the needs of day-to-day computer maintenance
equipment is not working properly then the concerned person should s
by Email to ithelpdesk@kccemsr.edu.in. All the departments take care
  of the laboratory equipment. Measure maintenance work is complete
 periods, however, regular maintenance work is carried out day to da
 is serviced by the concerned manufacturers and service Personnel
respective departments. Wherever necessary, the Annual Maintenance
 in practice. Institute has set up industries attached laboratories
 Networking Academy. Our institute is recognized as a virtual lab n
  center ID 222. Being a nodal center allows the college to achieve
 encourage multidisciplinary peer learning among students as well as

is automated using Integrated Library Management System. To enhance
resources library orientation program for all students is arranged
Library organizes book exhibitions to spread awareness amongst stu
providing OPAC (Online Public Accessing Catalogue) Facility to acces
library has IET, Shodhsindhu, JGATE, and National Digital Library. 1
bank facility for EBC, SC/ST, and Topper students. The institute h
committee for the smooth functioning of the library. For proper main
an internal audit team is appointed for book stock verification e
Institute actively encourages students to participate in various ext
in order to build team spirit and leadership qualities. The institu
Sports day and Cultural day named Xavion and Reflexionz. Audit of
maintenance requirements is being done by the stakeholders of the sp
students demonstrates that they benefit from the teaching model,
learning support resources that we offer.

https://kccemsr.edu.in/public/naac/sop.pdf

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

### 5.1.1 – Scholarships and Financial Support

|  | Name/Title of the scheme | Number |
|---|---|---|
| Financial Support from institution | SC, VJ, NT, OBC, SBC, EBC |  |
| Financial Support from Other Sources |  |  |
| a) National | Nill | 1 |
| b) International | Nill | 1 |

| No file uploaded. |
|---|

### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill developm Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

| Name of the capability enhancement scheme | Date of implemetation | Number of students enrolled | Agencies involved |
|---|---|---|---|
| Certification Courses | 19/07/2019 | 918 | KCCEMSR |
| Personal Counselling and Mentoring | 22/07/2019 | 1032 | KCCEMSR |
| Bridge courses | 16/08/2019 | 301 | KCCEMSR |
| Language lab | 08/07/2019 | 243 | KCCEMSR |
| Remedial Coaching | 07/08/2019 | 1565 | KCCEMSR |
| Soft skill development | 19/07/2019 | 902 | KCCEMSR, Rubicon Foundation, TCS, C Simple Logic Pvt Ltd, Sankey Busi Microsoft, Campus Credential, GMRC Heckyl Technologies, MSM |

| No file uploaded. |
| --- |

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offe... year

| Year | Name of the scheme | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of have passe e... |
| --- | --- | --- | --- | --- |
| No Data Entered/Not Applicable !!! | | | | |

| View File |
| --- |

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Preven... ragging cases during the year

| Total grievances received | Number of grievances redressed | Avg. number of c... |
| --- | --- | --- |
| Nill | Nill | |

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | | Off |
| --- | --- | --- | --- | --- |
| Nameof organizations visited | Number of students participated | Number of stduents placed | Nameof organizations visited | Number part... |
| Refer excel sheet attached | 682 | 107 | Nill | ... |

| View File |
| --- |

5.2.2 – Student progression to higher education in percentage during the year

| Year | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Nan... |
| --- | --- | --- | --- | --- |
| 2020 | 1 | BE(Computer Engineering) | Department of Computer Engineering | Somai... |

| No file uploaded. |
| --- |

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

| Items | Number of students selected/ quali... |
| --- | --- |
| GATE | 2 |
| GRE | 3 |
| TOFEL | 2 |
| Any Other | 4 |

| View File |
| --- |

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the...

| Activity | Level | Number of Partici... |
| --- | --- | --- |

**No Data Entered/Not Applicable !!!**

**View File**

## 5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at na
for a team event should be counted as one)

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of a for Cultur |
|------|-------------------------|------------------------|-----------------------------|------------------------|
| 2019 | Gold medal at Thailand for U-19 KABBADI | International | 1 | Nill |

**No file uploaded.**

5.3.2 – Activity of Student Council & representation of students on academic & administrative b
institution (maximum 500 words)

Student Council: The institute has an active Student's Council. Th
inviting applications from the students for the various posts of
Council selection is held and selected members from Student Council
includes a round of Group discussion, just a minute test, and a Pers
headed by the Head of the department, Senior Faculty, and Training
Student Council members consist of General Secretary, Joint Secreta
Marketing Head, Technical and Cultural Secretary, Literary Arts (Poi
Arts (ARTS), Treasurer. Technical event "DETROIX" are organized an
technical Head along with student Volunteers. Sports Activities incl
games like Cricket, Volleyball, Football, Table Tennis, Chess, Ca
Sports Secretary. Sports activity is named Xavion. This year we also
sports activity under XAVION. Cultural Events."REFLEXIONZ" is or
Secretary and General Secretary. Various days like "Founders Day"
"Fresher Day" are organized by Council Every Year. Association name
Red Cross, Quality Assurance Committee, NSS helps to nurture studen
social, Technical, and Extra-Curricular Activities. Youth Red Cross
Cross Society is a worldwide, well-known, universally accepte
internationally identified humanitarian service organization. Inter
cell: Student members are actively involved in giving their, ideas a
of content beyond syllabus overall feedback for maintaining the qua
Scheme: Students actively participates in the various social uplif
club: Students of Rotract club work in the direction of creating a
support neighbor, to share their ideas to join the leader and take a
change Representation of students on academic administrative bodi
institution. Training and Placement: Student members help in organi
for higher studies awareness, they also help in organizing various
activities. Anti Ragging Committee: The committee of students is at
to ensure compliance with the provisions of the Regulations and also
the performance of the Anti-Ragging Committee. Student Professiona
student chapters of ISTE and IEEE various technical activities are
under the guidance of faculty. Magazine Committee: Group of studen
preparing college magazines. E Cell: Entrepreneur is need of the ho
are actively involved in various Project of E cell Ac

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes, the institution has a registered Alumni Association. Alumni pla
in an institutions overall development. We are connected to alumni i
visit college, send messages on Facebook and groups to keep us updat
as well as about current trends in the market, they also mentor thei
reached a good position in their career and also try to help other s
to achieve success. Alumni are placed at higher positions in Industr
TCS, Loreal, Wipro, Zycus, Eclinaical, Sutherland, Reliance JIO, Cap
alumni are entrepreneurs and running their companies like YUPS Tech
Limited, Four brothers Private Limited. Codebeta etc and a few are c
Armed force, Metro Railways, NSDL, etc. Many have opted for higher s
Our Alumni are not only technically good but have also shown their e
fields like Novel writing, Photography, sports, Fashion Industries,
etc. Our Alumni are remarkably contributing to social work and also
students to do many appreciable activities. They have donated solar
organized health camps, visited orphan homes, old age homes. We are
alumni are contributing to the welfare of underprivileged children l
foundation , 'Divyang Kala Kendra'. Contribution of alumni in Colleg
Alumni Association, they contribute through Financial and Non Financ
have delivered guest lectures to motivate students, seminars worksho
students on Industry Trend, SIEM architecture its working, IOS appli
Network Management Principle Security. Alumni are participating with
their ideas, encourage present students for doing their best to achi
college has organized different activities by inviting alumni to juc
project competitions and hack4good at the college level. A musical e
Rhythm was also organized by the alumni association. Our alumni are
the teaching-learning process and skill development of students by a
courses to fill the gap between industry and academics.

## 5.4.2 – No. of enrolled Alumni:

| 252 |
|---|

## 5.4.3 – Alumni contribution during the year (in Rupees) :

| 156000 |
|---|

## 5.4.4 – Meetings/activities organized by Alumni Association :

One institute-level its Alumni meet was organized and approximatel\
took place.

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

### 6.1.1 – Mention two practices of decentralization and participative management during the last

Decentralized management Case study of NAAC accreditation : After s
9001:2015 the institute decided to apply for NAAC accreditation. I
charge, and the IQAC core team was formed for smooth conductio
activities. The role of these members was to implement NAAC accred
that it adds value to ISO procedure and helps form a central r
accreditation. It will also help streamline the process and function
a whole in a decentralized manner. Multiple internal training re
conducted. The training included the IQAC team along with importar
institute who were heads of their respective departments. This tra
participants are capable of understanding the documentation and a

complying with NAAC accreditation. Participative management Case stu
getting NAAC accreditation: The formation of the IQAC team was done
a body that will ensure quality assurance. IQAC was given the fir
overlook the accreditation activities of the college. IQAC member
across departments to ensure seamless communication and working amo
This team was successful in achieving NAAC accreditation by playi
between various stakeholders of the institute. This was only p
participative management which empowered them to achieve such a
institute.

## 6.1.2 – Does the institution have a Management Information System (MIS)?

**Partial**

## 6.2 – Strategy Development and Deployment

### 6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with

| Strategy Type | Details |
|---|---|
| Library, ICT and Physical Infrastructure / Instrumentation | Insitute has IIT Bombay library membership throug faculty members can access resources of the librar (Institution of Engineering and Technology) digita helps students and faculty to access high-quality in conference papers and e-books. The institute has acc of Electronics and Telecommunication Engineers) j membership. Also, subscriptions to ebooks |
| Curriculum Development | Many staff members are involved in curricular develo level for the new syllabus. In the pandemic, facu competitions like Project and Poster competition, t courses for students. Many staffs were the Resourc level FDPs and STTPs. Value added courses were conc different emerging technologies |
| Teaching and Learning | The academic session till March 2019 regular Teachin on. The COVID -19 pandemic has made the entire cour lockdown. Engineering colleges were closed and the the loss of contact hours between faculty members an engineering colleges were forced to adopt online tea little or no preparation in hand. Faculty members r with their students to support their learning. When does not happen the faculties will have to make extr that their teachings reach all students remained la transition to distance Teaching-learning could be ve stages. But in a weeks time that is from 22nd Mar college started taking classes with Google class roo have educational G-suite available. KCCEMSR provid growth development for our student and teaching and providing FREE Certification Courses by |
| Examination and Evaluation | Like the modes of teaching-learning and as per the Mumbai University, students submissions of Lab, Assi taken Online through Google Classroom and Moodle organized in MCQ format through Google form. It was and validate the end-semester examinations. But all done with strict compliance with the guidelines/ di appropriate authorities/ Governments from |
| Research and | RD has organized many activities in this pandemi |

| | |
|---|---|
| **Development** | **continuation of the research acumen in faculties faculties, FDP was organized for writing research pr and others. Also for students, various competitions such as Hackathon Project competitions were organi ideas and their implementation.stu** |
| **Human Resource Management** | **The institute has a human resource policy in place w for betterment. The payroll is as per the norms. Fac staff are given the opportunity to undertake progra and skill up-gradation. Financial support is pro** |
| **Industry Interaction / Collaboration** | **Various reputed industry professionals have visited deliver seminars, guest lectures, workshops on adva the gap between industry and academia. Speakers fro encourage students on how to crack the interviews o Institute has signed several MoUs with industry that training and internships for students. The training institute strategizes and implements a rigorous tra from the third year of the progr** |
| **Admission of Students** | **In the pandemic situation also the institute throug wing has taken many initiatives to connect to 11t students and guided them regarding career opportun activities like Sessions by Subject Experts of Phy Mathematics were organized for 12 students** |

### 6.2.2 – Implementation of e-governance in areas of operations:

| E-governace area | Details |
|---|---|
| **Finance and Accounts** | **Tally software maintains all the credit and debit transactions of the institute.** |
| **Examination** | **Institute uses VIVA software, which is in tune with the the University of Mumbai.** |
| **Student Admission and Support** | **Library uses Biyani software to keep all kinds of reco return, stock. Reports can be generated from the use Accession Register, daily book issue and return register of books, title wise booklist and count analysis report By Student, subject wise, Department wise, Summary of E Staff, Student, Late return books, Stock Verification, write off, discarded, lost, etc. register wise, book ti fine collection register. The MIS systems used are ef great way for prompt information.** |
| **Student Admission and Support** | **The students can digitally pay their fees in the institu their details to the admin for updation of t** |

### 6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards bodies during the year

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the profession membership fee |
|---|---|---|---|
| | | **No Data Entered/Not Applicable !!!** | |

**View File**

**6.3.2** – Number of professional development / administrative training programmes organized by teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | p (Te |
|------|------|------|------|------|------|
| | | **No Data Entered/Not Applicable !!!** | | | |

**View File**

**6.3.3** – No. of teachers attending professional development programmes, viz., Orientation Progra Term Course, Faculty Development Programmes during the year

| Title of the professional development programme | Number of teachers who attended |
|------|------|
| **No Data Entered/Not Applicable !!!** | |

**View File**

**6.3.4** – Faculty and Staff recruitment (no. for permanent recruitment):

| Teaching | | Non-t |
|------|------|------|
| Permanent | Full Time | Permanent |
| 74 | 74 | 30 |

**6.3.5** – Welfare schemes for

| Teaching | Non-teaching |
|------|------|
| • Appreciation on teacher's day • 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 travelling allowances • OD (on Official Duty) to attend development programs • Flexible timing and/ or partial load for Higher Education Benefits as per HR policy | • Health checkup camps are organized in th campus • Externa Library faciliti are made availab • Administrativ training Benefit as per HR polic |

## 6.4 – Financial Management and Resource Mobilization

**6.4.1** – Institution conducts internal and external financial audits regularly (with in 100 words ea

The institute has a well-established mechanism for conducting intern The audit is conducted every quarter by an Internal Auditor M/s. S F Mulund. Also, internal and external audit is conducted in every fi financial compliance. Normally statutory financial audit is conduct /July. Finalization of accounts is completed in August and audited in August duly signed by the Principal, Trustee, and chartered ac auditing agencies are submitted to the Principal and the Managi institute. As per the annual audit reports from the external auditin statements are prepared under historical cost convention on an accr are stated at cost of acquisition or construction less depreciatio purchase price and other attributable costs including expenses and

the construction period. Depreciation is provided as per the Writte
as per rates and procedures laid down under the Income T

## 6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philantl covered in Criterion III)

| Name of the non government funding agencies /individuals | Funds/ Grnat: |
|---|---|
| NIL | |

| No file uploaded. |
|---|

## 6.4.3 – Total corpus fund generated

| 96833922 |
|---|

## 6.5 – Internal Quality Assurance System

### 6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

| Audit Type | External | | Yes/No |
|---|---|---|---|
| | Yes/No | Agency | Yes/No |
| Academic | Yes | Nill | Nill |
| Administrative | Yes | ISO 9001:2015: S A Certification | Yes |

### 6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Parent-Teacher Meetings are held regularly in the semester for updat progression of their ward. During these meetings, feedback on the s is taken.

### 6.5.3 – Development programmes for support staff (at least three)

Coursera: Institute has provided free courses of Coursera to teac staff. Coursera gives your learners unlimited access to over 3, Projects, 400 Specializations, and Professional Certificates in ove a variety of domains including data science, business, computer sci development, humanities, and more. It includes the majority of onli taught by top instructors from leading universities and companies l University, Google Cloud, and more. Technical events: Many techni training sessions were organized and executed successfully by Insti teaching and non-teaching staff. Non Technical Events: Many non-tec sessions, meditation, etc were organized and executed successfully mode for teaching and non-teaching staff.

### 6.5.4 – Post Accreditation initiative(s) (mention at least three)

1. AICTE: Value-added courses AICTE has proposed courses on emerg students to be future-ready. In this regard, our faculty are gettin FDPs or other relevant industries to keep abreast with these emergi These courses are then offered to students as value-added courses o objective is to keep the course as practical-oriented as possible. we are utilizing industry connect through the collaboration for par courses. We have initiated courses on the Internet of Things, Art Blockchain in the first phase. Eventually, we will be offering other Yantra/Cisco The institute has collaborated with e-Yantra which is (National Mission in Education through ICT). In this students will on embedded systems. The institute has also created an e-Yantra embedded systems in collaboration with IIT Bombay. The institute has

CISCO netacad for offering value-added courses/ add-on courses. In developed by CISCO which is an industry leader in the networking do based learning): In association with Dr. Vilas Shinde who is a pi completed his Ph.D. on the same, the institute has conducted a 2-da on PBL implementation. This then is getting implemented on campus w through mini-projects. This will eventually help students develop in will solve the challenges of society. 4. Application to MSME for HI incubation centre IIARL. The institute had applied for the status scheme to mentor the start-ups. Its one of the first institutes in status of HIBI successfully.

### 6.5.5 – Internal Quality Assurance System Details

| a) Submission of Data for AISHE portal |
| --- |
| b)Participation in NIRF |
| c)ISO certification |
| d)NBA or any other quality audit |

### 6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Durati |
| --- | --- | --- | --- | --- |
| No Data Entered/Not Applicable !!! | | | | |

**View File**

## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

### 7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institu

| Title of the programme | Period from | Period To | |
| --- | --- | --- | --- |
| | | | |
| International Yoga Day | 21/06/2020 | 21/06/2020 | |
| International Women's Day | 07/03/2020 | 07/03/2020 | |
| Savitribai Phule Jayanti | 03/01/2020 | 03/01/2020 | |

### 7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

| Percentage of power requirement of the University met by the renewable |
| --- |
| Power requirement met by renewable energy sources |

### 7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Num |
| --- | --- | --- |
| Physical facilities | Yes | |
| Provision for lift | Yes | |
| Ramp/Rails | Yes | |
| Rest Rooms | Yes | |
| Scribes for examination | Yes | |

### 7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and | Number of initiatives taken to engage with and contribute to | Date | Duration | Na ini |
| --- | --- | --- | --- | --- | --- |

| disadvantages | local community | | |
|---|---|---|---|

No Data Entered/Not Applicable !!!

**View File**

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholde

| Title | Date of publication | Follow up(max 100 words) |
|---|---|---|
| HR Handbook | 01/07/2019 | The HR handbook underlines the code of cond principal, vice-principal, head of the departme teaching staff. |
| Student Handbook | 01/07/2019 | The handbook is available on the website for students. It clearly states the rules and reg code, admission process, and other detai |
| Standard Operating Procedures | 01/07/2019 | The overall SOPs are defined and detailed out down in the handbook. Each section has its available and according to process is carried of the same are done as and when |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Num |
|---|---|---|---|

No Data Entered/Not Applicable !!!

**View File**

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1 Webinar on Air Pollution, Global Warming, Climate Change, Socie
(World Environment Day) 05.06.2020 2 "Covidity 2020" National Leve
Competition – The Engineer's Way 26.05.2020 – 30.05.2020 3 Online
Environmental Science 22.05.2020 – 27.05.2020 4 Sharpen The Edge
(Paryavaran-Environmental Science) 03.03.2020 5 Tree Plantation by F
2019) 10.08.2019 6 Tree Plantation by First Year Students (FE Induc
ECO Awareness Program (FE Induction-2019) 08.08.2019 8 MOU Sign
Consultant Mrs. Rashmi Joshi. 08.08.2019

## 7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice: Mission Green 2. Objectives of the Pr
environmental values and consciousness amongst students, staff and
various innovative methods. To ensure the protection of environmen
initiatives and effective waste management measures. 3. The Contex
gone drastic change due to factors like pollution, over usage of pl
of natural resources. In order to control the devastating environ
awareness regarding environmental issues is served through the nume
and practices taken in the institute. The challenge lies in changi
use-and-throw culture by inculcating the tradition of recycling.
institute takes numerous Green Practices for developing environmen
carrying ahead eco-friendly programmes. Some of the highlights of G
20: MOU with Environment Consultant Mrs. Rashmi Joshi: The second d
first year students were dedicated to eco activities. The instit

environment consultant Mrs. Rashmi Joshi guided the students toward
for environment and their role as an engineer along with plantati
Sharpen the Edge - Oral Presentation (Paryavaran Environmental Scie
is a unique platform to provide an opportunity to explore the hi
technical aptitude of FE students. Keeping this concept in views, s
idea on various topics of environmental science like organic far
pollution prevention, green politics for the creation of ecological
environmental remediation. Online National Level Quiz on Environmen
pandemic, Eco Club organized an online national level quiz of Envi
quiz was conducted for seven days. In which 2021 participants took g
and received certificate of participation. Covidity 2020 National
Making Competition - The Engineer's Way: The Humanities and Applied
association with Eco Club rganized poster making competition by the
on the topics related to COVID-19. The posters gave message regardi
be taken, inspire to fight corona, creative slogans etc. This comp
from 25 to 30 May, 2020. In which 75 participants received certifi
Pollution, Global Warming, Climate Change, Society and Sustainabil
Day): Eco Club Humanities and Applied Sciences Department organ
Pollution, Global Warming, Climate Change, Society and Sustainabilit
session was taken by Mr. Abhijit Pathak Scientist in Central Poll
Delhi. Mr. Abhijit discussed about Air Pollution, Global Warming, C
and Sustainability. In this event, 179 participants received certifi
5. Evidence of Success MOU signed with environment consultant Mrs
August 2019 and eco awareness session was conducted by her in 2019-2
by FE students during induction 2019-20. Various topics on envir
explained and presented by first year students in Sharpen the Edge
level quiz on environmental science was conducted from 21 May to 2
2020 National Level Online Poster Making Competition - The Enginee
was conducted from 25th to 30th May 2020 with participation of 7
Environment Day, Webinar on Air Pollution, Global Warming, Climat
Sustainability (World Environment Day) was conducted on 05th June 2
"Green Campus Award" from Synergy in January 2019. The E-Waste C
organized with collaboration of E-Incarnation Recycling Private Li
There was collection of 1450.5 Kg of e-waste from different departn
Waste Paper Collection Drive conducted on 24 April 2019. No Vehicle
28 February 2019. The institute organized "Cleanliness Awaren
collaboration of Thane Municipal Corporation, Thane on 29 January 2
was conducted by Quality Certification Services. 6. Problems Enco
Required The institute had interest in developing Rain water harves
due to locational reasons like proximity with the creek area and h
obstructs the practice of rainwater harvesting in the institute pr
practice: E-Cell and Ideation Innovation Automation and Research La
of the practice: To impart relevant skills to the students with a mo
employable. To help the students to develop business ideas who
entrepreneurs. To help both budding and would-be entrepreneurs wi
providing practical guidance. To undertake research activities, tr
identifying opportunities and pursuing them. To establish global le
and develop competent human resources for providing services to
students with sustainable business plan within the campus, thereby
ecosystem that would help them grow as entrepreneurs. 3. Contex
initiation of the practice: With the job openings for the engineeri
the admissions to the engineering streams are also affected adverse
cater such an alarming situation was to find a solution i.e., by n
become entrepreneurs and create an ecosystem that would create jobs
engineering students. With the onset of our PM's initiative of sta

various schemes deployed by the government of India. With extendin
various agencies of the Government of India like the MSMEs, SDBI, N
MUDRA, innovate India, Start-up India etc. has made the start-up eco
the campus. E-Cell was started with a motive that every graduati
confident enough to be self-employed if not by industry, be able to
that he or she can sustain life on this planet. 4. The practice: KCC
to set up an Entrepreneurship Cell (E-Cell) for its students wit
budding entrepreneurs to establish their own startups. For the same
activities like Ked Talks, Seminars, Workshops, etc. for enhanci
students. The E-Cell is aiming at starting a full incubation center
up a space for an incubation center under the name of IIARL. There
up to be incubated under IIARL. Students have gained confidence an
for small firms/ companies and are getting paid, thereby have grown
can do something on their own. The E-Cell has successfully nurtured
who are doing excellent work in their start-ups. The E-Cell team al
in the National Entrepreneurship Challenge held by IITB in 2018. Th
funding of 20000/- from Entrepreneurship Development Institute of
conduct of activities / programs of Entrepreneurship Awareness Ca
Sciences Technology Entrepreneurship Development Board (NSTEDB). E
first prize at the Innovation Mela held at Atharva College of Engi
March 2019. The IIARL has successfully incubated a business, "Hie
more start-ups lined up to be incubated in the near future. E-ce
mentored its student members in setting up their own start-ups, lik
Trekk Community, Apdid Solutions, Shahi Dynatech, LL44, Hie Cabs, M
Success: Evidence of success (2019-20) KCCEMSR got the status of HI
the only institute in Thane. RESPAWN - gaming event RESPAWN was or
31st January to 2 February,2020 with the motive to entertain studen
them understand how games are developed and how gaming evolution
latest generation. CS GO, Dota 2, CS 1.6, PUBGM, CODM were the majo
event. Special PCs with high specs were rented for better gaming ex
various colleges and game-zones showed their enthusiastic spirit by
event. This event was a major hit which received a whopping response
as the attendance marked was around 400. 6. Problems Encountered an
cell faced a lot of obstacles in the initial stages and a few stra
the coming years to improve them. Funding has always been the major
being appropriate equipment for carrying out the work and lack of t
research. Requirement for students skilled in 3D designing and prin
hour but there is a scarcity of such skilled students. Students ar
fill up this lacuna. To cater to some of the obstacles like funding
to get funds from various Govt. funding agencies. Resources requi
Test Measurement Equipment and components. 3D Printer, La

**Upload details of two best practices successfully implemented by the institution as per NA website, provide the link**

https://kccemsr.edu.in/public/naac/best-practices-201

## 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its visi
more than 500 words

Project E-Gaon "Retaining the sanctity of the village whilst ins
INTRODUCTION: Sansad Adarsh Gram Yojana is a rural development pro
upon the development in the villages which includes social dev
development, and spread motivation among the people on social mobil
community. OBJECTIVES: The main objectives of SAGY are: 1. To trigg

to the holistic development of the identified Gram Panchayats 2. To
the standard of living and quality of life of all sections of the
Improved basic amenities • Higher productivity • Enhanced human
livelihood opportunities • Reduced disparities • Access to rights a
social mobilization • Enriched social capital 3. To generate mo
development and effective local governance which can motivate and i
Panchayats to learn and adapt INITIATIVES TAKEN: (2019-20) Scifest
Competition) Ecell team of KCCEMSR went to Pimpri village to judg
Science Project Competition (Scifest) on 6th March 2020. Differe
organized for school students namely Science Model Competition, Ma
and Poster Making Competition. Ecell team members also took a small
ignited minds. At the end of the event, prizes were distributed to
Composting KCCEMSR in association with Eco Rox founder Mrs. Rashmi
one-day workshop on 3rd Feb 2020 on how composting can be done throu
simple tools at one's own house by converting kitchen waste that i
basis into compost that can be either used for gardening/horticultu
farmers or to agriculturists. The workshop was attended by several
and villagers who enthusiastically participated and asked several q
and eager to start to generate compost at their homes. The schoo
attended the session was happy to donate an unused Sintex tank for
a lot of kitchen waste generated by the school canteen which provi
students of the Gram Panchayat school. INITIATIVES TAKEN: (2018-19
NSS unit of KCCEMSR had organized a seven days residential camp at F
from 1st January to 7th January 2019. Street Play on Depression
KCCEMSR conducted a street play about depression on the occasion of
day- 8th March 2019. On the same day, a technical workshop on Compu
conducted by the E Cell. Compost Pit The college has taken the initi
compost pit at the Pimpri village. The gram panchayat of Pimpri vil
with the BMC for the same. The technical support will be provided by
funding.

## Provide the weblink of the institution

https://kccemsr.edu.in/public/naac/institutional-distinctive

## 8.Future Plans of Actions for Next Academic Year

The institute has strategized for the implementation of the followin
year: 1. Mentoring of faculties by faculties for quality research pu
projects. 2. Enhancing the life skills and personality development o
rigorous training from the second year of engineering. 3. Specific t
the students for placement. 4. NBA accreditation of EXTC and Compute
Training of faculties on various technical courses through industry
Application for Nodal Centre of IIT Bombay Virtual lab for effective
practicals in online mode. 7. Updations in the format of lesson plan
delivery. 8. Additional industry-oriented value-added and add-on cou
Blockchain, Java, Machine learning others. 9. All flagship events of
conducted in online mode and its effective delivery.