



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		K J COLLEGE OF ENGINEERING MANAGEMENT RESEARCH
Name of the head of the Institution		Dr. Suhas Shashikant Khot
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		08446021199
Mobile no.		9881196166
Registered Email		principalkjcoemr@gmail.com
Alternate Email		rkhottss@gmail.com
Address		Sr. No. 25 & 27, KONDHWA -SASWAD ROAD, Near Bopdev Ghat, Pune 411048
City/Town		Pune
State/UT		Maharashtra
Pincode		411048

2. Institutional Status																			
Affiliated / Constituent		Affiliated																	
Type of Institution		Co-education																	
Location		Urban																	
Financial Status		Self financed																	
Name of the IQAC co-ordinator/Director		Dr. Sanjay Surykant Khonde																	
Phone no/Alternate Phone no.		08446021199																	
Mobile no.		9552500410																	
Registered Email		sanjaykhonde.kjcoemr@kjei.edu.in																	
Alternate Email		sanjaykhonde71@gmail.com																	
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)		https://www.kjei.edu.in/kjcoemr/Docs/AQAR%20Report%202018-19%20MHCOGN27259-K%20J%20College%20of%20Enginnering%20&%20Management%20Reserch%20Pune-Maharashtra.pdf																	
4. Whether Academic Calendar prepared during the year		Yes																	
if yes,whether it is uploaded in the institutional website: Weblink :		https://www.kjei.edu.in/kjcoemr/Docs/AcademicCalendar2018-19.pdf																	
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B+</td> <td>2.55</td> <td>2017</td> <td>27-Nov-2017</td> <td>26-Nov-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B+	2.55	2017	27-Nov-2017	26-Nov-2022
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B+	2.55	2017	27-Nov-2017	26-Nov-2022														
6. Date of Establishment of IQAC			01-Jul-2017																
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
No Data Entered/Not Applicable!!!		
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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
KJCOEMR/Electrical/Dr.Sanjay Khonde	Organizing seminar/workshop/conference	Savitribai Phule Pune University	2019 3	100000
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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 :

3

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)

Monitoring and preparation of Academic Calendar for various student activities
 Continuous Assessment of students for evaluating student performance Unit wise tests and assignments for each subject (theory/MCQ)
 Revision /remedial lectures for weak students
 GFM scheme for students

[View File](#)

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	Achievements/Outcomes
To impart Quality Education	i) Quality of Assignments and Teaching

	Aids are enhanced. ii) Infrastructural facilities for better learning environment are improved. Iii) Semester wise Academic Data for analysis is collected from HoDs. iv) Feedback is taken from stakeholders for the improvement of teachinglearning processes.
To provide problem based teaching To encourage staff participation in seminar, workshop and conference.	i) Additional revision lectures and practical sessions are conducted. ii) Support from expert guest faculty from industry and academia is taken and guest lectures are arranged. Many Faculty members attended faculty development programs to enhance their domain expertise and knowledge of latest trends.
To alert parents about progress of their wards	i) Alerts of Attendance and performance of students are sent to the parents. ii) Communication with Parents is done through SMS and Letters
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	29-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The institute has ?online generate software? as MIS software. MIS is the central data depository capable of gathering, storing, analyzing the data and generating the reports. The system has the personal data, exam data and day to day progress of the students to keep the track of their improvements. The institute has online attendance software for the students and the staff. The daily attendance of the students and the faculty/staff is monitored through this software. The

working hours of the faculty/staff is calculated through this software .The following reports are generated: 1) Daily reports 2) Monthly reports 3) Salary reports 4) Leave report 5) On duty report 6) Master report

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. Explain in 500 words

All the students start their journey with KJCOEMR by undergoing an Orientation Programme, which was held on (Date) for the Sem I A.Y. 2019-20, which paved the students' path to start their journey full of knowledge & enthusiasm. The well planned curriculum delivery and documentation is explained below: A. Communication of Vision : Mission and Objectives to stakeholders Our Vision / Mission well communicated to all stakeholders. The College Vision, Mission, Objectives are communicated through the following. • In College Web site www.kjei.edu.in/KJCOEMR • Display boards • Admission Brochure B. Preparation and distribution of master and class time-tables to students Time Table has been prepared strictly in accordance with guidelines of SPPU curriculum. The time table and faculty load maintained strictly as per the University credits. Value addition activities are also included in the time table to benefit the students in their career opportunities. Time table is also communicated to all students by pasting it on the Notice Boards and also communicated through CR and by posting on social media. C. Adoption of diverse pedagogy including case study, role play, video recordings, flipped class technique, group discussion etc. Debates, Quiz, GD, and NPTEL activities have been introduced in relevant fields in connection with the curriculum have been conducted. NPTEL Chapter has been started in A.Y. 2017-18. Faculties have ISTE college level membership for technical exposure. D. Extent of interaction with industry to enhance employability and entrepreneurial skills: The department also plan for the industry visit, guest lectures, workshop, seminars and conferences. This helps the students to get to know the work culture at industrial /corporate/relevant organizational places. Summer internships and training is offered to the students as per the curriculum requirement of the University. Personality development curriculum is inclusive of the domains of communication skills, team building activities and cross-cultural sensitivity. Extra time slots was made available for this purpose as reflected in time table. Entrepreneurship workshop was organized by T&P cell in the semester. File Description • Upload relevant supporting document(Mission Vision) (Master Timetable) • Link for Additional information

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
0	0	14/06/2019	0	0	0

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction

BE	NA	14/06/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Civil Engineering	15/06/2019
BE	Mechanical Engineering	15/06/2019
BE	Electrical Engineering	15/06/2019
BE	Electronics & Telecommunication Engineering	15/06/2019
BE	Computer Engineering	15/06/2019
ME	Computer Engineering	15/06/2019
ME	Computer Networks	15/06/2019
ME	Structural Engineering	15/06/2019
ME	Design Engineering	15/06/2019

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

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	Number of Students Enrolled
NA	14/06/2019	Nil
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	9
BE	Electrical Engineering	1
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

Students Feedback: The feedback is collected at various levels during the academic session. The academic feedback taken every semester twice on online system. a. **General Feedback:** Feedback is taken regarding the general facilities including mess, canteen, general hygiene and cleanliness by means of Complaint box. The actions to problems of urgent /Immediate nature are addressed by the authority immediately. The other problems which require management decisions are put up before the Chairman and also addressed accordingly. b. **Faculty Feedback:** The academic feedback collected from the students having 60 or more attendance is analyzed and the necessary corrective measures suggested to faculties by the director by email. The feedback is also shared with department for any corrective measures. **Teachers Feedback:** Regular feedback from all the faculty members teaching for that current semester is obtained along with the general concern about the students, authorities, parents and alumni in the society. Depending on the need of the institute and students , faculties are deputed for FDPs and other training centers like IITs, NITs, Government aided colleges for enhancing teaching and interpersonal skills. Feedback from faculties about infrastructure, purchase of lab equipment/software's , training and technical workshops as well as cultural and social activities for students , are taken into consideration and specific time and budget is allotted for such activities. As a part of motivation to the faculties, eligible performing faculty members are promoted based on their performance and availability of posts from time to time. Majority of the staff members are pursuing their PhDs and institute is supporting them by all means and making them comfortable and easy for optimum output. **Parents Feedback:** During the academic year, Our College invite parents to come in for regular parent-teacher meet. It is invited in every semester i.e., two parents meets conducted for every academic year. Parents are invited for the meet by teachers thorough call, messages parents letter. This is a standard part of the college efforts to build a strong partnership between parents and teachers. Whether student is having a positive or negative experience in college, parent-teacher meet will help students teacher to find ways to work together to ensure students success. Following data is provided to parents, • Student's Attendance • Student's Unit test/Prelim Marks • Student's Practical Attendance • Student's punctuality and behaviour throughout semester. Students and parent's issues are discussed and resolved with GFM, class teacher, HOD Principal. **Alumni:** Every year Alumni meet is organised and Alumni from all batches are invited to share their experiences and exposure in industry. The alumni of the college who have moved on to industry or for higher studies also give a feedback on how their years in the institution have helped them perform in their places of work/study. The alumni also give constructive suggestions on helping the students achieve greater focus and improving themselves. **Employers Feedback:** Employers are considered one of the important stakeholders of engineering education institutions who give more meaning and value to the knowledge, skills and attitude

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 of Application received	Students Enrolled
ME	PG	192	42	42
BE	UG	1920	1007	1007

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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 fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1007	47	96	16	54

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources 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	Number of smart classrooms	E-resources and techniques used
54	18	2	2	2	Nil
View File of ICT Tools and resources					
No file uploaded.					

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

The main objective of GFM scheme is to build strong teacher-student relation nurture an environment to grow the talents. Teaching and Learning are the two interconnected processes in imparting quality education. Learning follows teaching and teaching follows learning. Stronger the teaching learning process, stronger the quality education. KJCOEMR has its own unique teaching learning process. The objective of this teaching learning process is to strengthen student's overall skills and to get good university results. Thus, the process enables students to be industry ready. Our teaching learning process begins when the academic year starts. To strengthen the student learning abilities, the students are divided into groups. Each group consists of average 15-20 students guarded by a guardian faculty member. The guardian faculty member interacts with assigned student group at regular intervals and records student details like Attendance, Unit Test Marks, feedback, Problems, learning difficulties, etc. The guardian faculty member takes personal care to improve the student's skill and learning abilities. To improve their communication skills and confidence level, they are provided with a platform to give presentations, participate in group discussions and debates. Thus, we are showing good results in the university examinations. Also, it has been producing university rank holders every year. The training and placement cell conducts necessary training sessions to impart Logical, Interpersonal, Communication and Technical Skills. Through training, students get exposure to new technologies, thereby securing placements in the best industries. Also, we invite Industry experts and academicians to impart knowledge on emerging technologies and industry trends. All the students get academic and personal guidance from Guardian faculty member GFM. GFM assigned to batch of average 15-20 students. Duties of GFM 1. Conduct meeting in week and analyze performance of students. 2. Monitor academic performance. 3. Convey the performance and attendance to parents. 4. Try to solve any problem related academic and personal. 5. Call parents if the attendance of the students is poor

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1054	54	1 : 20

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 current year	No. of faculty with Ph.D
112	54	58	2019	11

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

Year of Award	Name of full time teachers	Designation	Name of the award,
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	receiving awards from state level, national level, international level		fellowship, received from Government or recognized bodies
No Data Entered/Not Applicable !!!			
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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 declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	UG	SEM-I	15/06/2019	24/10/2019
ME	PG	SEM-I	01/07/2019	09/11/2019
BE	UG	SEM-II	16/12/2019	30/05/2020
ME	PG	SEM-II	13/01/2020	30/05/2020
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

1. Institute strictly follows all university exam schedules as per the guideline of SPPU. 2. Evaluation policy is fixed communicated to students at beginning of an academic year. 3. Based on that exam pattern institute prepare the students through practice session like unit test, mock test, prelim assignment mock practical session. 4. In semester and online examination results are analyzed and academically weak students are counseled necessary remedial actions are undertaken. 5. 75 attendance is compulsory to each student. List of students with poor attendance is prepared at the end of each month and the GFM send letters to their parents highlighting the student's performance. 6. The term work marks are given to the students based on continuous evaluation process with the distribution of marks as shown below CIE is based on unit tests, preliminary examination, in-semester /online examination end semester examination

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

1. Being an associated with university, Institute follows all rules and regulation of SPPU as well as their academic calendar. 2. As per the direction of university academic calendar, Institute also prepare academic calendar based on that. 3. Commencement of semester start as per the instruction of SPPU. 4. Two online examination for FE SE and in-semester examination of TE BE are conducted as per the guidelines of university, also conduct practical, oral end semester examination at the end of semester as per the time table of SPPU. 5. Institute also follows holidays given by the university (separate circular for that) 6. The marks of term work, practical/oral examination and in-sem are submitted online to the university. 7. Institute conducts the NSS camp per year as per the guideline of SPPU, in that we involve the students in NSS activity for the social development of the students. 8. The academic calendar includes date of commencement of semester, date of conclusion of teaching, dates for unit tests, preliminary examination, feedbacks, etc.

2.6 – Student Performance and Learning Outcomes

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

<https://www.kjei.edu.in/kjcoemr/Docs/Student%20Performance%20and%20Learning%20outcomes.pdf>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
632029310	BE	Electrical Engineering	58	58	100
632024510	BE	Computer Engineering	48	48	100
632019110	BE	Civil Engineering	129	129	100
632061210	BE	Mechanical Engineering	165	165	100
632037210	BE	E & TC Engineering	12	12	100

[View File](#)

2.7 – Student Satisfaction Survey

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

<https://www.kjei.edu.in/kjcoemr/Docs/Student%20Satisfaction%20Survey.pdf>

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 organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Applications of AIIOT in Electrical Systems	Electrical Engineering	24/01/2020
Three days Python workshop for TE students (Sponsored By IIT Bombay and MHRD)	Computer Engineering	21/09/2019
FDP ON DATA SCIENCE (Sponsored By Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT))	Computer Engineering	14/12/2019

Circuit Simulation and PCB Design	E and TC Engineering	21/09/2019
Application Design	E and TC Engineering	29/08/2019
Arduino Uno boards applications	E and TC Engineering	30/08/2019
Employability skills	E and TC Engineering	30/08/2019
Project Guide lines and How to Prepare PPTs	E and TC Engineering	27/08/2019
One week Value added Program (VAP)	E and TC Engineering	28/12/2019
5G Technology	E and TC Engineering	29/01/2020
Research Paper Writing	E and TC Engineering	02/05/2020
Mobile Communication	E and TC Engineering	26/02/2020
Future Opportunities in Electronics Engineering	E and TC Engineering	29/05/2020
Energy Audit Seminar	Electrical Engineering	04/09/2019
Career Guidance Seminar	Electrical Engineering	27/04/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Design of Implementation of scheduling algorithms in wireless sensor network	Dr. Deepak Chandrakantrao Mehetre	Sathybhama Institute of Science Technology	28/07/2019	Ph.D. Awarded
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	KJCOEMR Incubation Centre	K J College of Engineering Management Research	NA	NA	28/06/2019
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Computer Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	NA	Nil	0
International	Computer Engineering	10	Nil
International	Civil Engineering	3	Nil
International	Mechanical Engineering	1	Nil
International	E and TC Engineering	2	Nil
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
NA	Nil
View File	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Hardware and Software Architecture for IOT based water distribution and Monitoring System	Dr.P.U.Chavan	Journal of Emerging Technologies and Innovative Research	2020	Nil	Nil	Nil
Seismic And Wind Analysis of Regular And Irregular RC Structures with Tuned Mass Damper	Bharat Mulay	International Journal of Recent Technology and Engineering (IJRTE)	2019	Nil	Nil	Nil
Experimental Investigation of Plant Bio-Filter on Water Quality	Bharat Mulay	International Journal of Recent Technology and Engineering	2019	Nil	Nil	Nil

and Growth of Iridescent Shark in a Pilot Scale Aquaponic System		(IJRTE)				
An experimental study of water quality and balsam growth in minimum dissolved oxygen conditions with aquaponic system	An experimental study of water quality and balsam growth in minimum dissolved oxygen conditions with aquaponic system Bharat Mulay	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8 Issue-5	2019	Nil	Nil	Nil
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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	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nil	125	45	1570
Presented papers	Nil	Nil	Nil	Nil
Resource persons	Nil	Nil	Nil	Nil
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Women's Day Celebration	KJCOEMR	24	48

Teachers Day	KJCOEMR	82	120
Engineers Day	KJCOEMR	52	100
Tree Plantation	KJCOEMR	42	100
Mahatma Gandhi Jayanti Lal Bahadur Shastri Jayanti	KJCOEMR	32	100
Self Defence Activity	KJCOEMR	14	56
Dr. A. P. J. Abdul Kalam Jayanti	KJCOEMR	18	100
Yoga Activity	KJCOEMR	61	100
Dr. Babasaheb Ambedkar Death Anniversary Constitution Day	KJCOEMR	28	100
Swacchata Bharat Abhiyaan Plagethon 2020	KJCOEMR	9	100

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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and 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 activities	Number of students participated in such activities
NSS	KJCOEMR	Swachh Bharat Abhiyan	9	100
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research approval of IAEC	Bharat N. Mulay	Mula Education Societys College of Pharmacy, Sonai, Dist-Ahmednagar	1460
Research guidance for Aquaponic system	Bharat N. Mulay	Vigyan Ashram, A center of Indian Institute of Education, Pabal, Dist-Pune	730

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Project work	Automatic Solar panel Cleaning System	Green Space Enterprises Satara	01/08/2019	30/04/2020	4
Project work	Maximum Demand Controller	SP Enterprises Bhosari MIDC.	01/08/2019	30/04/2020	3
Project work	Design of Battery Management System for Eletrical vehicle	Soltech Electric Enterprises Shahapur	01/08/2019	30/04/2020	3
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
XenStackandMR	17/09/2019	Advertisement of Institute	10
Heremee	20/12/2019	Development a Program to empower	8
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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 infrastructure development
150	75

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing

Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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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 partially)	Version	Year of automation
slim 21	Fully	3.7.0	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19063	6569434	Nil	Nil	19063	6569434
Reference Books	723	504087	2	450	725	504537
e-Books	796	477600	Nil	Nil	796	477600
Journals	401	1050213	Nil	Nil	401	1050213
e-Journals	2838	4220554	Nil	Nil	2838	4220554
Digital Database	5	3050	Nil	Nil	5	3050
CD & Video	944	143500	Nil	Nil	944	143500
Library Automation	1	170673	Nil	Nil	1	170673
Weeding (hard & soft)	Nil	Nil	Nil	Nil	Nil	Nil
View File						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
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	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	665	23	23	1	1	10	6	50	10
Added	0	0	0	0	0	0	0	0	0
Total	665	23	23	1	1	10	6	50	10

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

100 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 recording facility
Video Lectur, Power Point Presentations	https://www.kjei.edu.in/kjcoemr/New_Kjc_oemr_library.php

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
95000000	79098364	25000000	16230030

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institute follows definite system for optimal utilization of physical facilities. Physical facilities include classrooms, tutorial rooms, computer labs, library etc. These all physical facilities are made available for the students staff. As a teaching learning process, the college allocates the budget for the maintenance of classrooms labs on yearly basis. All the facilities are optimally utilized by both staff students. Cleaning of classrooms, labs, library other physical facilities is taken care by housekeeping staff. The college has adequate number of computers with internet connection other useful software at different locations like classrooms, office, faculty room library etc. Every system is protected with a username and password, individual login identities are provided to students and faculty to access the internet facility. Faculty students can also use Wi-Fi facility. Faculty members are provided with computers on their tables. The computers have been enabled with firewall for restricted access to the websites. Library has a computer system with LAN connection updated with library software. There is separate budget allocated for library maintenance up-gradation by the management. All computers are provided with power backup for uninterrupted service. Resources for conducting online exams are available in the institute. The information security and network security are ensured through the firewall and to avoid risk in the information, the websites which promote unauthenticated activities are blocked in the firewall. 1.Computer- The institute has computers which are used by Director, faculty, office staff, library students. Computer laboratories are utilized for conducting online exams, desk research, Excel practical exam and SIP related work. Maintenance of

these computers is done as and when required. 2. Library- The books in the library are arranged subject wise on the shelf. All collections are continuously updated like books, periodicals, journals and e- journals, student's project report dissertation reports. Older journals and project reports are stored in the library for reference. Repair and rebinding of damaged books is done on regular basis. Stock is checked and updated every year. 3. Gymkhana Sports- Gymkhana facilities are shared with Trinity Academy of Engineering KJ College of Engineering and Management Research on same campus. This includes well equipped gym yoga or meditation room. Sports ground is utilized by all the institutes which includes basket-ball court and cricket ground etc. The maintenance and cleaning work is done on the campus level. Indoor sports like chess carom are played at TAE institute on sharing basis. 4. Software: Institute has application software, system software, anti-virus, Tally and library software etc. 5. Furniture and electric equipment: Furniture includes benches, tables, chairs, cupboards, filling cabinets, book racks, etc. The work of maintenance and minor repairs is done whenever required. Electric equipments are maintained repaired as per requirement. The person employed for furniture repair is common in campus.

<https://www.kjei.edu.in/kjcoemr/Docs/NAAC/academic%20and%20support%20facilities.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Maharashtra Govt. EBC Category Scholarship	772	36636478
Financial Support from Other Sources			
a) National	Minority	3	75000
b) International	NA	Nil	0
View File			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Women's Day Celebration	08/03/2020	48	KJCOEMR
Tree Plantation	22/09/2019	100	KJCOEMR
Self Defence Activity	02/10/2019	56	KJCOEMR
Yoga Activity	24/10/2019	100	KJCOEMR
Marathi Bhasha Pandharwada	24/01/2020	100	KJCOEMR
Blood Donation	24/01/2020	102	KJCOEMR
Marathi Bhasha Divas	27/02/2020	100	KJCOEMR
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the

institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	MPSC /UPSC	35	26	Nil	Nil
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nil	Nil	Nil

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
32	315	189	12	120	26
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	Department graduated from	Name of institution joined	Name of programme admitted to
2019	2	Computer Engineering	Computer Engineering	KJCOEMR	Computer Engineering
2019	3	Civil Engineering	Civil Engineering	KJCOEMR	Structural Engineering
View File					

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/ qualifying
GATE	2
View File	

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

Activity	Level	Number of Participants
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 national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Nill	National	Nill	Nill	Nill	Nill
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute aims for versatile development of students. The institution aim is to promote collective and constructive leadership within student community. Institute has student council to develop leadership qualities and sense of responsibility among the students. A number of events are organized by the student under the guidance of faculty in charge student activities, like gravity, poster making, sports, blood donation camps, annual cultural fest, etc. Such an engagement facilitates overall grooming and the institute encourages all these co-curricular activities and actively supports them. Cells such as Internal Quality Assurance Cell, Placement Cell facilitate student development under the mentorship of the respective faculty in charges. The college has constituted various committees and student representatives are appointed in the same committees to carry out various academic and administrative activities. Mentor mentee allotment and their regular meetings encourage students' engagement and participation in various activities. The student representatives are nominated by the Director Faculty members on committees such as, Anti ragging committee, Woman Grievance Committee, Grievance Redressal Committee, Library Committee, Cultural committee, Sports Committee. Faculty members identify students in sports, cultural activities and motivate them to get involve in various activities. 1)Anti-ragging committee:- Representative students help in creating awareness through various antiragging activities students convey the message through skits, posters etc. 2)Grievance Redressal Committee :- Grievances related to academics, examination, documents, identity cards and library etc. are conveyed to the concerned authority and pursues till it gets redressed. 3) Internal Complaint committee: - This committee is formed especially to monitor problems related to female. Issues, if any related to harassment or grievance is handled by this committee. 4) Sports and Cultural Committee: - Students plan and execute the sports and cultural activities. It helps them in developing leadership skills, team work, conflict management etc. 5) Women's Grievance Committee: - This committee is constituted to promote healthy working environment for all female staff, students and faculty. 6) Infrastructure Committee:- This committee is constituted to provide excellent physical facilities and state of art infrastructure to the students and staff of institute.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The name of the association is KJCOEMR Alumni Association. Association was registered on 06/06/2017. Every year the institute conducts the Alumni meet in month of February. Approximately 200 alumni attend the meeting. The alumni gives their introduction and their recent contribution to the society. The institute arranges the webinars of the alumni with their permission. The feedback and suggestions are taken from the alumni from time to time. The Institute tries to establish industry institute interaction through the alumni association. The senior alumni are requested to place the students of the Institute in various position in different industries. Many times the alumni contributes to the institute in different manner like donation to the labs, library, infrastructure. etc

5.4.2 – No. of enrolled Alumni:

412

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

41200

5.4.4 – Meetings/activities organized by Alumni Association :

No Data Entered/Not Applicable !!!

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 year (maximum 500 words)

Case Study: K J Youth Festival Aim: To enhance the capabilities of students under the guidance of faculty member, improve their event management skills nurture Management-skills, Participation and Sportsmanship amongst students. Objectives: 1. Leadership-skills 2. Organizing-skills 3. Decision-making-skills 4. To explore inner talent 5. Take up initiatives 6. To develop event management skills 7. To develop Sportsmanship 8. To nurture Social awareness skills. "K J Youth Fest" is a KJ's Educational institute-Inter-collegiate Cultural-Sports-Technical-event. It's a celebration that brings together all the institutes of KJEI family. After centralized notice from management, the responsibilities for hosting the activity are spread amongst different institute of KJEI. The faculty student coordinators are appointed at institute level for centralize communication internal coordination. Faculty coordinators and student representatives are holding meetings and discussing their ideas and strategic plans to ensure that activities run well. Organizers are in charge of scheduling, approvals, budgeting, sponsors, agendas, flyers, and other aspects. The planned structure is forwarded to management for final approval through the Director. The event is executed with delegation of work to various Student and Staff-committees. Activity coordinators are playing prime role in decision making. Other committee heads play an important role indirecting students. All coordinators proactively contribute to take care of the participants, advertising of Sponsors, scheduling of the activity, providing hospitality without disturbing healthy culture on the campus. All different activities like Dance, singing, Drama, anchoring, fashion show competition of Cultural and cricket, football, volleyball, kabaddi, chess, carom, badminton box cricket competition of Sports also different technical activities including Gravity are conducted at respective locations. The coordination and support from each member makes the event a grand success. This event gives an opportunity to the students to enhance Leadership quality, Decision making skills, Management Organizational skill, Teamwork, Sportsmanship, Honesty and Integrity. A closing meeting is conducted for sharing experience feedback from all coordinators for further improvement. Participative Management: The institute has participative management which have committees such as Governing Body, College Development Committee with different members includes Chairman, teaching staff, non-teaching staff so that all the representative involves in generating ideas and suggestions for the development of institute and the betterment of the employees of the institute with consideration and respect. 1. The Institute consistently promotes a culture of participative management. The Institute follows committee system for implementation of all its decisions and resolutions. 2. The committees comprise of faculty members and students. 3. GB and CDC have representation from faculty and other stakeholders. 4. Ho. Principal sir takes the decisions and implements the action plan. 5. The faculty is involved in implementation of the policies of GB. Therefore the

management is participative from students, faculty and Director to the trust level.

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

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Curriculum Development	<ul style="list-style-type: none">• The institution follows the curriculum prescribed by affiliating university, SavitribaiPhule Pune University (SPPU). The semester planning is done in advance, at the end of previous term through the departmental meeting by floating the curriculum to the faculty. The choice of 3 subjects is taken from every faculty. The subject allocation is done on the basis of the priority of the faculty from the choice given, area of specialization, qualification, number of times the subject taught and experience. The students are also informed in advance about curriculum and academic calendar.• The students are given a choice to choose the elective subjects listed in the university curriculum and accordingly departments allocate the faculty for teaching the electives. Regular feedback is taken by the Head of Department for all the subjects at regular intervals both in online and offline mode and suggestions for corrections, if any will be informed to the faculty.• The academic calendar is prepared by various departments on the basis of academic calendar circulated by SPPU. Class tests, mock online tests and remedial lectures are also included in academic calendar. The individual faculty and class time tables are prepared by the department time table coordinator with the approval of HOD and Principal.• Faculty prepares the teaching plan for the theory and practical subjects allocated to them by considering department academic calendar. Every faculty prepares a detailed course file which includes teaching plan, class notes, question banks, previous question papers of SPPU, study material beyond curriculum, PPTs. The academic calendar of the institute is strictly followed by every faculty. The Academic Monitoring

Committee (AMC) which work and act as IQAC committee of the institute monitors regularity in the conduction of lectures, progressive syllabus coverage, students' academic progress and their grievances. The feedback of the committee is conveyed to HOD for corrective measures. • In the process of monitoring the attendance of the student, faculty maintains a daily attendance sheet of theory/practical in hard copy. Weekly attendance is collected by the Guardian Faculty Members (Mentor) of the respective batch. Regular absent students are identified by the mentors and the same is informed to the parents through telephonic conversation, SMS alert or if required by post. • The academic progress of student is also monitored by Guardian Faculty Members by keeping a record of class tests, mock online tests, in semester University examinations, performance in practical and conveyed to all the students as well as their parents. The corrective measures such as remedial lectures, mock examinations of theory and practical, personal counselling are taken for academically weak students. • Student feedback of every faculty is taken at the end of first month in every semester. The department head assesses the feedback and conveys it to respective faculty for corrective measures if any. The academic monitoring committee of the department counsels the faculty concerned and reports the action taken to Principal. • The planning for student project and seminar work is done at the beginning of every semester where the students as per their specific areas of core subject interest are allocated to guides who are specialized in those areas. In addition to in-house projects, students are also encouraged to take up projects in collaboration with industries. Furthermore, if there are ongoing research projects sanctioned by various organizations, the students are encouraged to pursue research as part of their projects.

Teaching and Learning

Quality improvement in teaching learning is achieved by scrupulously following the academic calendar and processes laid down by the University and the institute. The academic steps

broadly comprise of:

- Published timetable with sufficient number of hours for lectures, labs, self-learning and extra-curricular activities.
- Tutorial classes to address personal level doubts and queries
- Remedial classes and additional make-up tests to help academically weaker students
- Mentoring system to help at individual levels
- Generation of self-learning facilities, and availability of materials for learning beyond syllabus.
- Contents beyond the syllabus have been identified in all the courses, which are addressed through guest lectures, industrial visits, seminars and projects
- By participation and organization of Technical events
- Through Innovative Live projects
- Students are motivated to refer to reference books, on- line/ hard copies of reputed journal papers for Self Learning and contents beyond syllabus.
- Free access to library and internet even after College hours.
- Lectures are recorded by the teachers and processed through K-Point software available with the institute. These are available to the students through the website siom.kpoint.com for study beyond college hours.
- Besides, in Department Library, several CDs/ charts/guideline books are available.
- Students are also encouraged to take up spoken tutorials made available on-line by IIT Bombay
- By having Flexibility in academics with scope for self-learning
 - Wider Scope for selection of Electives
 - Motivation for participating in technical activities
- In plant Industry Training These practices help in broadening and stimulating the students' thinking process and ultimately improving the quality of teaching - learning process.

Examination and Evaluation

The institute is keen in adopting dynamic changes in the evaluation reforms initiated by the University and on its own. It conducts all the SPPU examination as per its schedule. The institute has taken following measures for the effective implementation of the evaluation reforms introduced by the University. For FE In-Sem Examinations Execution of In semester examination is carried out in following steps

- Insemester examination is carried out as per SPPU timetable.
- In-semester

and End semester examination question papers are set by SPPU appointed examiners. • Junior supervisors are appointed for invigilation • Masking of papers and Central Assessment of answer Papers (CAP) is conducted at college level for fair assessment of papers. End semester examination: For smooth conduction of University theory examination, SE: Online Examinations The effective implementation of the online examination is ensured by way of display of online examination timetable, appointment of eligible internal supervisors and use of CCTV cameras for monitoring of online examinations For TE and BE: In-semester examinations: Execution of In semester examination is carried out in following steps • In-semester examination is carried out as per SPPU timetable. • Insemester and End semester examination question papers are set by SPPU appointed examiners. • Junior supervisors are appointed for invigilation • Masking of papers and Central Assessment of answer Papers (CAP) is conducted at college level for fair assessment of papers. End semester examination: For smooth conduction of University theory examination, For FE,SE,TE and BE- Endsemexaminations • Appointment of examiners is done by SPPU • Proper display of examination timetable • End semester examination question papers are set by SPPU appointed examiners • For smooth conduction of University theory examination, Senior Supervisor is appointed who looks after overall conduction of the examination. Junior supervisors are appointed for invigilation Term Work/Practical/Oral examination • Final year term work is jointly evaluated by internal and external examiners • The marks of term work, practical/oral examination are submitted online to the University by using a unique username and password generated by a system

Research and Development

The institute encourages the faculty to apply for funded projects, to collaborate with research organizations for UG and PG projects, to participate in seminars and conferences as well as organize them, to publish their research work, to enrol for doctoral programs and to become members of and

participate in the activities of professional bodies in their respective fields. • Conferences and Seminars are organized by the Departments to attract researchers of eminence to visit the campus and interact with teachers and students. While organizing workshops, the focus is on imparting advanced technology, tools and techniques and research areas in the subject domain of the program. Such programs are funded by the Institute. • Publication of research outcomes by faculty in different International and National refereed journals, books, articles in edited volumes, seminar proceedings etc. is encouraged. • Internet, LAN and journal and e-journal subscription is made available to the faculty by the institution to facilitate smooth progress and implementation of research schemes/projects • The Institute encourages and helps the faculty in filing patents for their research • The Institutes promotes the faculty to associate with industry for their research project

Library, ICT and Physical Infrastructure / Instrumentation

Institute has sufficient infrastructure and state-of-the-art laboratories in every department as per the AICTE norms for quality TLP and RD. The campus is supported with hostel for boys along with the necessary facilities. Classrooms are equipped with LCD projector facility. The computing facility within the campus is supported by LAN, high speed internet connectivity with Wi-Fi facility. The institute library consists of 6308 reference books and 19546 volumes along with e-journals. The reading hall facility is available for all the students. Library with computing and internet facility gives easy access to Science Direct, IEEE, ASME, ASCE and SPRINGER. Institute encourages the students to participate in various sports tournaments. Students avail indoor sports facilities in the campus. A platform has been provided to the students to experiment their innovative projects while participating at national and international competitions. Cultural activities of the students are also encouraged in the institute by providing them financial and infrastructural support. The institute has standby arrangement of

500 kVA Diesel Generator (DG) to satisfy the need of electric power at the institute. The institute has a committee to supervise the maintenance of the equipment and computing facilities of the institution.

Human Resource Management

The Institute has the following mechanisms for better management and improvement in Human Resource:

- The performance of the teaching faculty is regularly monitored and evaluated at the department level through feedback from students and other stakeholders.
- Based on the feedback corrective measures are implemented for managing and improving the overall performance of the teachers.
- These activities are monitored centrally and effectively to utilize the available manpower with the institute. The Non-teaching staff is involved in supporting all the above activities.
- Visiting/guest faculty is inducted as per the necessity.
- Support for professional development of staff is provided by the institute.
- Recruitment of well qualified and experienced faculty as per SPPU norms.
- The Institute has a budget allocated for the professional development of the faculty for supporting activities like participating in paper presentation, seminars, conferences, workshops, etc. and for programs aimed towards the skill improvement of staff. The good retention ratio of the faculty indicates that best human resource management policies are practiced in the institute.

Industry Interaction / Collaboration

A good industry-institute interaction exists in the institute. To further strengthen it, the institute aims to

- Have more number of industry sponsored projects
- Increase the number of consultancy projects
- Increase training programs for teachers
- Have guest lecturers delivered by eminent industry personnel
- Have short term training programs conducted by industry personnel for students and faculty
- Increase the number of MoUs
- Increase the participation of industry in laboratory development.
- Establish centre of excellence in collaboration with industries
- Conduct Industrial Visits and site visits regularly

Admission of Students

Institute has mechanism to review the admission process and student profiles

annually. Though, DTE governs the Engineering admission process in the state and the institute follows rules, regulations and guidelines set up by the GoM, we usually compare our FE student's admissions branch wise in terms of number of admissions and quality of students that are taking admissions. Considering the lesser admissions in the state, KJCOEMR takes keen interest in making name and fame of the institute by means of advertisements and participating in educational exhibitions all over India. The admission information is also available on institute website <http://www.kjei.edu.in/kjcoemr/>. Online registrations and counselling during educational exhibitions is the modern time improvements and has become part of admission process. As a result, our admissions are good in terms of quantity and quality since inception of the institute.

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

E-governance area	Details
<p>Planning and Development</p>	<p>To use ICT in the process of planning college-events and activities, institute uses personal e-mails. Important notices and reports are also circulated via e-mails. E-governance is the integration of Information and Communication Technology in all the working processes of the system. It aims to minimize the manual efforts and improve the communication, create transparent system, and to be cost and time effective.</p>
<p>Administration</p>	<p>To achieve the target of Paperless IQAC, committee members of it started using Google facilities like 1) Google sheet: - For data collection from Various Departments. 2)Google Docs: - To prepare notices and activity reports. 3) Google Forms: - To prepare Feedback forms and get Online feedbacks of Students, Parents. 4)Google Drives: - To keep all department wise proofs. • The college has Biometric attendance for teaching and non-teaching staff. • The college campus is equipped with CCTV Cameras installed at various places of need. • To surveillance on mobile by Principal, application is available and software is available for surveillance on computer for college</p>

	<p>Authorities. • ICT has been introduced in the Administrative work. • College staff uses smartphone with inbuilt social app like Gmail to communicate. • WhatsApp Group helps to provide the brief notices of any event to be happened on college. • WhatsApp Groups are also used for awareness and of smooth functioning of the same.</p>
Finance and Accounts	<p>With the aim to produce immediate information in finance and Accounts i.e. "Single Click Accounting" , this section of College is partially egoverned. The college uses the Tally ERP 9.0 for the transparent functioning of Accounts department. The same software is used to generate various reports like Consolidated Day Book General Day Book Daily Cash Collection report.</p>
Student Admission and Support	<p>Student admission for the year 2018-2019 is partially implemented online. As the admission process is semi-online, admission forms are also provided. Students submit printouts and required documents at respected counters. The software is used for student support like issuing Transfer Certificate, Bonafide certificates. Admission Forms Issue of I Cards, Library cards and Challan through the software.</p>
Examination	<p>To achieve Paperless communication between Exam and other departments, college uses the software to generate various reports like, generate seat Numbers, Hall-Ticket, generate class wise roll call list for all classes, student fees Records. Print the exam seat number wise List. Seating Arrangement for University Exams.</p>

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the	Title of the	From date	To Date	Number of	Number of
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	professional development programme organised for teaching staff	administrative training programme organised for non-teaching staff			participants (Teaching staff)	participants (non-teaching staff)
2019	NA	MS office Training	06/01/2020	07/01/2020	Nil	35
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Webinar - Challenges in Concrete Technology	1	29/05/2020	29/05/2020	1
Faculty Program on NBA	1	14/05/2020	14/05/2020	1
FDP on Virtual Labs EDUCATION 4.0	1	23/07/2020	23/07/2020	1
Structural Audit of Building E-Expert talk webinar by Dr. M. B. Kumthekar in association with Indian Concrete Institute ACC Cement, KDK College of Engg. Nagpur	1	10/05/2020	10/05/2020	1
A 12 week course Fluid Flow Operations by NPTEL	1	01/01/2020	30/04/2020	120
Faculty development Program on Data Science organized by Faculty Development Centre in Cyber Security and Data Sciences, Shivaji University,	1	09/12/2019	14/12/2019	5

Kolhapur				
Attended the Conference on Indian Patents, Copyrights, Innovations and Startups (CIPCIS-2019) organized by PCCOE, RAVET, Pune.	1	21/12/2019	22/12/2019	2
Online Syllabus Orientation Workshop for S.E. Civil (2019 Patt) organized by Dept. of Civil Engineering, Sinhgad College of Engineering Pune in association with B.O.S. Civil Engg. SPPU.	1	22/06/2020	26/06/2020	5
wo days Online Webinar Research Paper Writing and Intellectual Property Rights in association with IEEE Bombay section, IETE student chapter.	1	18/05/2020	19/05/2020	2
One Week Webinar Series on "Metro Rail Technology-Practices Issues", by K. E. Society's, Rajarambapu Institute of Technology, (RIT), Islampur.	1	11/05/2020	15/05/2020	5
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time

85	151	18	38
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6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
7	7	3

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The institute has well-structured mechanisms for internal and external audit. Internal audit is carried out periodically. External audit is carried out once in a year. Institute has also a well-defined policy for handling the available financial resources. At the start of every financial year the estimated budget from Institute is collected. This estimated budget is based on the requirements raised by the individual faculty and staff as per the requirements of syllabus and pre-planned activities in consultation with the Director. Budgeted expenses are compared with projected revenue and necessary modifications are done as and when required. The Top Management has a well-defined procedure to monitor effective and efficient utilization of available resources for infrastructure, development and teaching learning process. All the major financial transactions are monitored by the Accounts and approved by the President and/or Secretary.

The internal audit program is carried out periodically to identify the implementation of various compliances by ensuring the mechanism of institutional policies, physical verification of assets, Maintenance Repair copies, event receipts and expenses etc. Any internal audit queries are resolved within audit period in discussion with management. External Audit is also carried out in efficient ways. External Auditor verifies all receipts payment details, Income Expenditure statement, Balance sheet, Opening and closing balance of student fees collection, salaries, fees outstanding of students and social welfare, PT PF challan copies, TDS on salary, fixed assets of purchase bill and other income expenditure details etc. Mechanism for settling Audit Objections: Any minor queries during internal Audit program are rectified at the time of the audit.No major objections are observed in any financial year Audit program. Any queries during the External Audit Program are resolved during the External Audit Program.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NA	Nil	Nil
View File		

6.4.3 – Total corpus fund generated

8805117

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	Director, KJs Educational Institute
Administrative	No	Nil	Yes	Director, KJs

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

1. Guardian faculty member 2. Parent Teacher Meeting 3. Student Appreciation
4. Daily updating about attendance and TP activities through What's up group,

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

Hands-on on MS-Office for Support Staff

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

AISHE, NIRF, NBA

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Gravity 2K20	17/02/2019	17/02/2020	18/02/2020	168

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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 institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women's Day Celebration	08/03/2020	08/03/2020	18	30
Tree Plantation	22/09/2019	22/09/2019	42	58
Swacchata Bharat Abhiyaan Plagethon 2020	28/12/2019	28/12/2019	42	58
Yoga Activity	24/10/2019	24/10/2019	42	58
NSS Special Camp	06/01/2020	12/01/2020	18	30

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

Percentage of power requirement of the University met by the renewable energy sources

The college is very eco-conscious and has taken the following Environmental Consciousness and Sustainability/Alternate Energy initiatives to maintain an Eco-friendly campus. A) Sewage treatment plant: Sewage treatment plant is available in the campus near Boys hostel. The capacity of sewage treatment

plant is 4.5 lakh litres water. On daily basis 2.5 Lakh litres of water is recycled and reused. The trees and lawns are maintained with water drips and sprinklers. Reuse of waste water for gardening. B) Rain Water harvesting: Monsoon run of roof top water and hill water is collected and used for garden irrigation. For water harvesting survey has been carried out and two storage tanks are constructed in campus. One is near KJ college of Engineering and Management research having capacity of 80 Lakh litres and other is near boys hostel having a capacity of 85 lakh litre. The two tanks get fully filled during the rainy season. C) Tree Plantation: Planting trees is an integral part of the activity of the NSS of the college and nearby villages during NSS winter camps. The nourishing and watering of the saplings are taken care by the expert gardeners. NSS unit is also carrying out tree plantation as regular activity in campus. A total of 9900 trees are available in the campus. Faculties and Students are encouraged to plant trees inside the campus on special occasions. Around 258 plants have been planted during the year 2019-20. D) Conservation of Energy: All the lighting for Street lights and Boys Hostel has been converted to LED lights. Earlier 250 W sodium /mercury vapour lamps have now been replaced by LED lights. Steps are being taken for the utilization of solar power in the college campus. Solar Street lights are proposed within the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	No	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	No	Nil
Rest Rooms	Yes	Nil
Scribes for examination	No	Nil
Special skill development for differently abled students	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
No Data Entered/Not Applicable !!!							
View File							

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

Title	Date of publication	Follow up(max 100 words)
Code of conduct for the staff of the institute	03/06/2019	1) Staff must maintain high standards of punctuality, honesty and professional ethics. 2)

They should work within the institutional policies and practices, so as to satisfy the vision and mission of the institute. 3) Staff must ensure that they are dressed decently, safely and appropriately for the tasks they undertake. 4) Staff should co-operate and collaborate with colleagues and external agencies, necessary to support the development of the college and students. 5) Staff should act in a professional and congenial manner towards colleagues, irrespective of their relative position, gender or status within the institutional hierarchy. 6) All staff of the college should maintain harmonious relations with other staff and students. 7) Staff should maintain confidentiality in conduct of examination and any other Information, unless asked to reveal by the institutional authority. 8) All staff should follow the instructions and directions of the authority. 9) All staff should constructively contribute toward the development of the college and university. 10) All staff should strictly adhere to the academic requirement of the institution and maintain the sanctity of academic environment. 11) All staff shall extend their services for the welfare of the community society at large. 12) All staff should properly maintain the records of respective portfolio. 13) All staff should make an

		<p>effort for the continuous development through training programs, workshops and research and development activities.</p>
<p>Events on 26th January</p>	<p>26/01/2020</p>	<p>The institute takes on numerous initiatives by organizing a variety of activities to educate students and employees about the constitutional obligations of citizens Values, Rights, Duties, and Responsibilities. Every year on January 26th, Republic Day is commemorated by holding events that highlight the countrys achievements.</p>
<p>Blood Donation Camp</p>	<p>24/01/2020</p>	<p>Every year, in collaboration with partner institutes, the institute hosts a blood donation camp. The children are educated about the significance of the exercise and urged to take part in saving the lives of Indian residents.</p>
<p>Mahatma Gandhi Jayanti</p>	<p>02/10/2019</p>	<p>On various occasions, including Mahatma Gandhi Jayanti on October 2, students continuously and regularly participate in cleaning activities. Furthermore, students are urged to take an active role in the plantation operations in order to raise environmental consciousness.</p>
<p>Code of conduct for students and parents</p>	<p>08/07/2019</p>	<p>1) It is imperative that the student attends the Institute from the day of opening to the last day of each term during the academic year. 2) Student must be regular in attendance for theory and practical classes. In case the attendance falling short of 75 for theory and 100 for practical, term will</p>

not be granted. 3) The student should complete all the term work such as Journals, Drawing Sheets, Workshop or any other assignment as per schedule. 4) Students must maintain punctuality while attending all the theory and practical classes. 5) Students must put-on college I-Card on everyday without fail and attend the college in full college uniform on the specified days. 6) Student and parents should specially note that if the student fails to complete the term work regularly and to the entire satisfaction of the Head of the Department, his/her term will not be granted and will not be allowed to appear for the university examination. 7)The student should note that he/she is responsible to the authorities of the Institute not only for his / her conduct in the premises of the Institute but also for his/her general behaviour outside. 8) Any reported observed, objectionable conduct within or outside the premises of the Institute, will make him / her liable for strict disciplinary action. 9) Student should not participate in any political and antisocial activities.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Events on 26th January	26/01/2020	26/01/2020	36
Blood Donation Camp	24/01/2020	24/01/2020	102
Mahatma Gandhi Jayanti	02/10/2019	02/10/2019	100

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

1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognition/awards 5. Beyond the campus environmental promotional activities

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1) Feedback system and faculty appraisal Goal: To build up an online feedback system, from students for faculty, and to facilitate teaching learning process. The objectives of these systems are as follows: •To develop and establish a computerized online students' feedback system. •To develop and adopt the standardized questionnaires, which is time tested. •To provide students feedback about faculty, twice in a semester. •To counsel the faculty to improve the performance. 2) The Context: Teaching learning is a process which also depends on time scale. A teacher is to be accepted by students over a period of time and it depends on the performance of a teacher in the class room, which can be measured based on certain standard questionnaires. Since many of the faculty members requires time to develop the teaching skills, which may affect the results of students. In order to keep a check on the process and to facilitate teachers, an online feedback system is developed. 3) The Practice: A standard set of questionnaires are prepared with three options for each question. These questionnaires are adopted in a Google form and a link is created for each class. On a particular day, a particular class is taken to computer centre. 4) http://www.kjei.edu.in/kjcoemr/student_corner/student_corner.html is the link each student has to open and tick mark the appropriate option provided for each question. Upon submission of this form, the feedback of that student gets registered. 5) Evidence of Success: The feedback is taken once after 3 to 4 weeks of start of a semester and the faculty is given the performance index (PI) sheet. Based on the shortfalls observed by students (rather students expect an improvement in these attributes), the faculty has to improve upon. For the same, they are counselled by either Principal, along with HoD. This improvement must be visible in the second feedback, which is taken just before the end of semester. The data shows there is improvement in the faculty because of this feedback system and facilitating teaching learning process. 6) Problems Encountered and Resources Required: Sometimes failure of internet causes the difficulty, because when students are sitting in front of computer unable to fill the online form. They may have to come next time which may cause delay. 2) Employability Skill Development Programme by Zensar Technologies (ESD) ZENSAR - ESD Goal: The advancement in engineering technology has not only restructured the scope of engineering education, but also redefined the expectations from engineering graduates. At institute, a need was identified to start an innovative practice "Employability Skill Development Programme" by Zensar Technologies that would help the students to build a personality equipped with technical skills and soft skills. With this in mind, a state- of-the-art ESD is being implemented from the year 2014-15. The aim of the program is to enhance the employability of the students by empowering them with skills those are required by corporate. The objectives of the Zensar- ESD program are to: • Enhance the employability of the students. • Prepare students for Interviews and Technical strength. • Prepare students in strong in Personality Technical capacity. The Context: • Integration in to the curriculum: Training incorporated into the curriculum to help students for preparation and self - evaluation in technical and soft skills. • Lecture Plan: As a part of ESD, subject wise, all lectures are taught by expert faculty from Zensar Technologies. This is a LAN based resource to help the students to learn and revisit the concepts discussed in class and Lab. • Expert faculty: A good blend

of class room and hands on training is provided by expert faculty. • Zensar assessment: Training needs an outcome, assessed using assessment tools by Trainers during training, a test preferred by Zensar corporate Experts. The Practice: The duration of ESD is 230 hours. It is spread over 3 semesters. The duration of ESD is from fifth semester to eighth semester. The details of the programme are Zensar Technologies - Employability Skill Development Program - Calendar for K J College of Engineering Management Research Evidence of success: Implementation of ESD has shown remarkable effect on placement activities. Students are able to crack professional examinations conducted by other industries too. This unique activity is appreciated by industries and alumni Problems Encountered and Resources Required: The ESD is required to be conducted in parallel with regular academics on Saturdays and Sundays too. Therefore, extra sessions from industry experts are normally arranged on weekends in the month of Feb/March. Convincing the students to attend such sessions is really a challenging task. Industry experts and corporate trainers are available only on weekends. SN Activity Duration Calendar Dates Syllabus Remarks

1	Initial Selection	1 Day	JAN / Feb	Each Yr	Aptitude Test	G D
2	Soft Skill Training	5 Days	[30 Hrs]	Feb March	Each Yr	
3	Technical Training	14 Days	[100 hrs]	1st June to 15 June	Java, Dot Net , SQL	Vacation Time
4	Final Interview	1 Day	Sept	each Year	All Training content	5 Offer Letter NA
6	Advanced Training	14 Days	[100 Hrs]	1st Dec to 15th Dec	Adv Java, Dot Net ,	Vacation Time
7	Joining ZENSAR	September	However,	it is necessary to give ESD inputs to the students to cope up with industrial requirements and make them ready for placement. Introduction of ESD have solved majority of these problems with free of cost and removed unnecessary financial burden on the students. This has also motivated the students to attend sessions even on weekends, vacations and holidays. The institutional resources required to conduct ESD are as follows:	• Budgetary requirement for Expenses on Trainers Hospitality. • Classroom with LCD and multimedia facility. • Software for Java SQL and Dot Net. • Internet facility to conduct Online Tests. • IT infrastructure for hands on training. • Library with necessary e-resources, journals, and books.	

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://www.kjei.edu.in/kjcoemr/Docs/NAAC/Best%20practices%2019-20.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The Institute's mission is to create awareness about the importance of providing high-quality education. In a truly unique "Learn and Do" atmosphere, KJCOEMR academic strength generates original and technical thinking, empowering students to challenge conventional knowledge. As a result, the institute seeks to fulfil industry expectations and uphold the highest standards of Engineering education. The institute believes that each student should develop a technical and research Persona that is unique to them as per abilities, goals, and dreams. Near the city of Pune yet still surrounded by greenery and a pollution-free campus, students may breathe fresh air and study with a fresh and cheerful mindset. Students who are stressed can spend as much time as possible on our campus near nature while still being able to focus on their schoolwork. Within 5 kilometres of the institute is a Small Scale Industrial Area, which is the backbone of our country's economy. We are able to admit a mix of urban and rural students due to the ease of access to both Pune city and the surrounding rural area. As a result, we are better able to design and deliver the education hence narrowing the gap between urban and rural students Three engineering colleges, a pharmacy college, a management college, a polytechnic, a junior college, and

an international school make up KJEIs Trinity Campus. The efforts made to maintain, improve, and enhance the environment are a common thread that runs through all of these co-institutions. Through its various courses, it provides environmental facilities for its stakeholders as well as the general public.

Students are required to participate in environmental activities such as Nirmalya collection, tree planting, and observing No Plastic Days on campus beginning in the first year of the curriculum. The students also work with local police to help them contain the situation during the Ganesh festival celebration as there is a lot of traffic. Water harvesting, solar energy, composting, and water recycling are all initiatives that the institute and its sister organizations hope to accomplish on campus during a given academic year. This is a continuous process that has contributed significantly to the creation of the Trinity Campus distinctiveness. Our university has unique qualities that govern multi-disciplinary and cross-disciplinary academic programmes, as well as social-cultural disciplines. Students are continually inspired by the institution, which provides a platform for the development of methodological skills, transdisciplinary scheme development, and ethical and human value development. The institutions focus is constantly on adhering to the vision, mission, and working methods in order to maintain the highest level of quality. The institute achieves students holistic growth through research and value-added education. The goal of the institute is for students to reach their full potential. We have an effective system in place to tell students about various scholarship programmes, EBC, and other options available to them, as well as any other benefits that they may be eligible for. Through numerous training sessions, guest lectures, and other means, students are made aware of various educational, vocational, and entrepreneurial

Provide the weblink of the institution

<https://www.kjei.edu.in/kjcoemr/Docs/NAAC/Institutional%20Distinctiveness19-20.pdf>

8.Future Plans of Actions for Next Academic Year

The institute is having following action plan for the next academic year

A) Curricular Aspects : 1) More program-specific value-added courses should be implemented. 2) Identify a larger number of industry partners who can help bridge the gap between industry and existing curriculum, as well as serve as a platform for students to participate in internships and placements.

B) Teaching Learning Evaluation : 1) The number of smart classrooms should be increased. 2) Increase the quantity of E-resources and teaching strategies used in the learning process. 3) Improve the system for achieving the program, program-specific, and course outcomes. 4) Increase the percentage of pupils who pass.

C) Research , Innovation and Extension : 1) Institutional policies for research should be strengthened. 2) Locate the sectors and organizations that sponsor research. 3) Increased research support activity 4) Encouragement of IPR-related activity 5) Research proposal submission to faculties for funding of various activities

D) Infrastructure and learning resources 1) Physical facilities improvements on campus 2) Financial support for the library as a resource 3) Faculty development of a greater amount of e-contents

E) Student Support and progression 1) Creation of a student-friendly and student-owned campus 2) Expand student capability upgrading and development programmes. 3) Boost the TP department and increase the number of placements at the institute. 4) Increase the number of pupils participating in extracurricular sports and cultural activities. 5) Alumni involvement in the development of the institute

F) Governance Leadership and Management 1) Develop a training programme for administrative employees as well as a skill development programme for non-teaching staff. 2) Conducting frequent Administrative and Academic Audits (AAA). 3) Development and implementation of a strategy plan

G) Institutional values and Best practices 1) Raising environmental consciousness and sustainability among students and employees. 2) Gender equality awareness

among students and employees 3) Students are more aware of human values and professional ethics.