



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	K J COLLEGE OF ENGINEERING AND 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	officekjcoemr@gmail.com
Address	Sr. No. 25 & 27, KONDHWA -SASWAD ROAD, Near Bopdev Ghat, Pune 411048
City/Town	Pune
State/UT	Maharashtra
Pincode	411048

<b>2. Institutional Status</b>					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Urban			
Financial Status		private			
Name of the IQAC co-ordinator/Director		Prof. Pramod U. Chavan			
Phone no/Alternate Phone no.		08446021199			
Mobile no.		8888890098			
Registered Email		principalkjcoemr@gmail.com			
Alternate Email		officekjcoemr@gmail.com			
<b>3. Website Address</b>					
Web-link of the AQAR: (Previous Academic Year)		<a href="http://www.kjei.edu.in/kjcoemr/Docs/AQA%20Report%202017-18%20MHCOGN27259-K%20J%20College%20of%20Enginnering%20&amp;%20Management%20Reserch%20Pune-Maharashtra.pdf">http://www.kjei.edu.in/kjcoemr/Docs/AQA R%20Report%202017-18%20MHCOGN27259-K%20 J%20College%20of%20Enginnering%20&amp;%20Ma nagement%20Reserch%20Pune- Maharashtra.pdf</a>			
<b>4. Whether Academic Calendar prepared during the year</b>		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		<a href="http://www.kjei.edu.in/kjcoemr/Docs/Aca&lt;br/&gt;demicCalendar2018-19.pdf">http://www.kjei.edu.in/kjcoemr/Docs/Aca demicCalendar2018-19.pdf</a>			
<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.55	2017	27-Nov-2017	26-Nov-2022
<b>6. Date of Establishment of IQAC</b>			01-Jul-2017		
<b>7. Internal Quality Assurance System</b>					

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
Regular meeting of Internal Quality Assurance Cell (IQAC)	06-Jul-2018 10	120
<a href="#">View File</a>		

**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
Engineering	NA	Engineering	2019 0	0
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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 :**

10

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)**

- Preparation and Monitoring of Academic calendar as a benchmarks for various activities.
- Continuous assessment of the students is carried to keep the track of students Performance.
- Assignment: Unit wise assignments are given to the students. Stipulated time period is allotted to complete the given assignments.
- Remedial classes: Remedial lectures are conducted for Weak students and students failed in university exam

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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
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 teaching learning processes.
To provide need based Teaching	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.
To encourage staff participation in seminar, workshop and conference	i) 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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<b>14. Whether AQAR was placed before statutory body ?</b>	No
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2020
Date of Submission	20-Jan-2020
<b>17. Does the Institution have Management Information System ?</b>	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 11th June, 2018 for the Sem I A.Y. 2018-19, 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.kjedu.in/KJCOEMR](http://www.kjedu.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, NPTEL activities have been introduced in relevant fields in connection with the curriculum have been conducted. NPTEL Chapter has been started in A.Y. 2018-19. 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.

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	15/06/2018	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	NIL	15/06/2018
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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	15/06/2018
BE	Mechanical Engineering	15/06/2018
BE	Electrical Engineering	15/06/2018
BE	Electronics & Telecommunication Engineering	15/06/2018
BE	Computer Engineering	15/06/2018
ME	Computer Engineering	15/06/2018
ME	Computer Networks	15/06/2018
ME	Structural Engineering	15/06/2018
ME	Design Engineering	15/06/2018

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

	Certificate	Diploma Course
Number of Students	0	0

## 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
Online Aptitude test	15/12/2018	310
Online Aptitude test	04/03/2019	310
Self defence Training for Girls	09/09/2018	150
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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	Student training (Technical & Aptitude)	310
BE	Student Summer Internship Program (COEP internship program under mentorship program)	6
BE	Industrial Internship	43
<a href="#">View File</a>		

## 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
BE	UG	540	100	48
ME	Pg	96	35	22

[View File](#)

## 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
2018	1208	54	115	8	128

## 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
128	81	38	18	2	4

[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 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
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1262

128

20:1

**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
151	128	23	23	10

**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 receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Sanjay Suryakant Khonde	Professor	PhD
2018	Dr. Atul Bhimrao Pujari	Associate Professor	PhD
2018	Dr. Amol Ashok Inamdar	Associate Professor	PhD
2019	Dr. Deepak Chandrakant Mehetre	Professor	PhD

[View File](#)**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	15/06/2018	30/11/2018
ME	PG	Sem-I	02/07/2018	03/11/2018
BE	UG	Sem-II	17/12/2018	25/04/2019
ME	PG	Sem-II	15/01/2019	25/05/2019

[View File](#)**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 counselled 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)

<http://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
632037210	BE	E&TC	29	28	96
632061210	BE	Mech	232	224	96
632019110	BE	Civil	139	130	93
632024510	BE	Computer	43	43	100
632029310	BE	Electrical	60	58	96

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## 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)

<http://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
Any Other (Specify)	0	0	0	0

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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
Guest Lecture on TOC	Computer Engineering	11/09/2018
Expert Lecture on "Discrete Mathematics"	Computer Engineering	12/09/2018
Guest lecture on Computer Organization and Architecture	Computer Engineering	12/09/2018
Guest lecture on Computer Networks	Computer Engineering	18/09/2018
One Day workshop on Data Analytics using R	Computer Engineering	18/09/2018
One Day workshop on SQL and MongoDB Databases	Computer Engineering	22/09/2018
Seminar cum Expert Talk (Artificial Intelligence and Robotics, Data Analytics, High Performance Computing)	Computer Engineering	24/09/2018
Seminar cum Expert Talk (Artificial Intelligence and Robotics, Data Analytics, High Performance Computing)	Computer Engineering	25/09/2018
Seminar cum Expert Talk on "High Performance Computing"	Computer Engineering	26/09/2018
GPU Programming using CUDA	Computer Engineering	28/09/2018
GPU Programming using CUDA	Computer Engineering	29/09/2018
Android Technology	Computer Engineering	30/09/2018
Hands on Workshop on CNL	Computer Engineering	03/10/2018
Guest lecture on Artificial Intelligence and Robotics	Computer Engineering	05/10/2018
Workshop on C Language	Electronics Telecommunication Engineering	22/09/2018
Workshop on C Language	Electronics Telecommunication Engineering	28/09/2018
Webinar on VLSI Design	Electronics Telecommunication Engineering	28/09/2018
Workshop on C JAVA	Electronics Telecommunication Engineering	29/09/2018

Seminar on Transmission Line	Electronics Telecommunication Engineering	06/10/2018
Seminar on AC Motors	Electronics Telecommunication Engineering	10/10/2018
Opportunities in VLSI Engineering	Electronics Telecommunication Engineering	17/12/2018
Workshop on PLC SCADA	Electrical Engineering	04/10/2018
Workshop on PLC SCADA	Electrical Engineering	05/10/2018
Workshop on PLC SCADA	Electrical Engineering	06/10/2018
ASHRAE for students Its benefits	Mechanical Engineering	31/08/2018
Six Sigma Project Management for Process	Mechanical Engineering	19/09/2019
Course on Finite Element Analysis Using Ansys	Mechanical Engineering	27/09/2018
Industrial Applications of Mechatronics	Mechanical Engineering	28/09/2018
Cam Works by HCL Panel	Mechanical Engineering	17/01/2019
Piping Design, Process Engg. Simulation by Asian Institute	Mechanical Engineering	17/01/2019
Six Sigma TQM	Mechanical Engineering	29/01/2019
Hybrid Vehicle	Mechanical Engineering	30/01/2019
Android Workshop	Engineering Sciences	23/02/2019

### 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
Progressive Collapse Analysis of Steel Frame Structure	Atul B Pujari	Virmata Jijabai Technologycal Institute, Mumbai	06/09/2018	PhD Awarded
Sustainable Industrial waste water treatment by using anaerobic process	Amol A Inamdar	Shri Jagdishprasad Jabarmal Tebrewala University , Rajshthan	22/12/2019	PhD Awarded
Experimental Study of Water Quantity Aquatic Surface Respiration Iridescent Shark Underhypoaic Condition in a	Bharat N Mulay	ICET 2019 International Congress on Engineering Technology ,Pune	28/02/2019	Best Paper

Pilot Aquaponic System				
Development of Low Power Communication Centric RF Trans receiver for Wireless sensor Network	Sanjay S Khonde	Sant Gadagebaba University	29/03/2019	PhD Awarded
<a href="#">View File</a>				

### 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	KJ infrastructure	AnaDigi Corporation	Hardware Software Manufacturer	28/06/2019
<a href="#">View File</a>					

### 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
Civil Engineering	2
Electrical Engineeirng	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		0	0
International	Computer Engineering	29	2.15
International	Civil Engineering	8	2.15
International	Mechanical Engineering	1	2.15
International	Electronics Telecommunication Engineering	2	2.15
<a href="#">View File</a>			

#### 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
Computer Engineering	7
<a href="#">View File</a>	

#### 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
nil	nil	nil	2018	0	0	0
<a href="#">View File</a>						

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
Detection and Prevention of Black Hole and Selective Forwarding Attack in clustered WSN with Active Trust	Dr. D.C Mehetre	Cluster Computing (The Journal of Networks, Software Tools and Applications), ISSN: 1386-7857 (Print) 1573-7543 (Online), Impact factor 2.046, SNIP Rating 1.5, SJR 0.5, h5 index 2	2019	4	3	Computer Science Department, Sathyabama University, Chennai, India
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	22	1	0
Presented papers	4	7	0	0
Resource persons	6	0	0	1
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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

Rural Development Camp Blood Donation Camp	NSS along with Sakurde Grampachayat	6	50
Blood Donation Camp	NSS along with Sasoon Hospital	6	98
Free Health Check up	NSS along District Hospital, Sasoon Hospital at Saswad	2	54

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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
NSS Camp At post Sakurde, Tal. Purandar, Pune	Recognition	Sarpanch, Sakurde	50

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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	Tree Plantation	6	50
NSS	KJCOEMR	Shahid Din	3	41
NSS	KJCOEMR	Tribute to Martyrs in Kashmir	2	52
NSS	WDC, KJCOEMR	Celebration	6	26
NSS	KJCOEMR	Street Play (Social Awareness )	6	24
NSS	KJCOEMR	Swachh Bharat Abhiyan	6	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
0	0	0	0

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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	Duration From	Duration To	Participant
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		details			
I-I-I (Industry Institute Interaction)	Student internship	Sterlite Glass Plant, Aurangabad	19/12/2018	15/01/2019	2
I-I-I (Industry Institute Interaction)	Student internship	New Expert Electrical , Jejuri	19/12/2018	15/01/2019	1
I-I-I (Industry Institute Interaction)	Student internship	Tata Chemical Plant, Dwaraka	19/12/2018	15/01/2019	2
I-I-I (Industry Institute Interaction)	Student internship	Pune Renewable Energy System, Bhosari	19/12/2018	15/01/2019	3
I-I-I (Industry Institute Interaction)	Student internship	Spicer India, Khed, Pune	01/08/2018	10/04/2019	4
I-I-I (Industry Institute Interaction)	Project Work	Unidirection al Manufactu ring Service, Katraj, Pune	01/07/2018	30/03/2019	4
I-I-I (Industry Institute Interaction)	Project Work	Mechatronics Technical Systems, Shivane, Pune	19/12/2018	19/03/2019	4
I-I-I (Industry Institute Interaction)	Project Work	Rajas Engineering, Satara	01/07/2018	30/03/2019	4
I-I-I (Industry Institute Interaction)	Project Work	Pune Renewable Energy Systems	12/12/2018	23/05/2019	4
I-I-I (Industry Institute Interaction)	Project Work	Digitech Controls Systems, Shivane, Pune	10/10/2018	10/04/2019	4
<a href="#">View File</a>					

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



nil	15/06/2018	nil	0
<a href="#">View File</a>			

## 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
360	77

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Others	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
<a href="#">View File</a>	

### 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)	Version	Year of automation
Slim 21	Fully	3.5.0.33040	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19604	7141675	54	18900	19658	7160575
Reference Books	761	548325	21	10500	782	558825
e-Books	734	440400	62	37200	796	477600
Journals	401	1050213	0	0	401	1050213
e-Journals	550	1234626	47	0	597	1234626
Digital Database	3	1850	2	1200	5	3050
CD & Video	904	135500	40	8000	944	143500
Library	1	143238	0	27435	1	170673

Automation						
Weeding (hard & soft)	0	0	0	0	0	0
Others (specify)	0	0	0	0	0	0
<a href="#">View File</a>						

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
Dr. Deepak C. Mehetre, Prof. N. Bogiri	Student Gate Pass	Mobile App	04/03/2019
<a href="#">View File</a>			

#### 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)

50 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	<a href="http://www.kjei.edu.in/kjcoemr/Kjcoemr_library.php">http://www.kjei.edu.in/kjcoemr/Kjcoemr_library.php</a>

#### 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
2031000	799857	1425000	35621021

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)

1. Physical: The maintenance work is allotted to various departments according to its nature. If maintenance work arises then respective department/lab in-charge prepares application takes approval from respective HoD Principal, then

requirement list forwarded to central store. The institute has appointed staff for specific maintenance work. If requirement is not fulfilled by central store then external agency people are outsourced. The institute has appointed full time housekeeping staff for maintenance cleaning of washrooms, corridors, premises etc. The minor maintenance of wooden metal furniture is looked after by workshop department. In campus, unit of trained carpenters for repair of major parts fixtures. There is a campus team of electricians to look after maintenance of electrical repairs, power supplies, generators etc. The maintenance of electronic appliances like water coolers, air conditioners is taken care by external agency. The yearly or half yearly maintenance is also done. The civil maintenance is looked after by campus team. 2. Academic: The maintenance of equipment in laboratories is looked after by respective lab assistants with help of lab in-charge. In the beginning of every semester it is ensured whether all instruments are in working condition. The maintenance of computer related hardware, software's is taken care by technical assistant team of computer department. Again major issues are sorted out by outsourcing external agency. 3. Supporting Facilities: Garden with good plantation has been initiated to maintain eco-friendly environment. There are lots of green trees in campus, giving lot of shade pleasant appearance. The institute takes up calibration and other precision measures for the equipment/instruments regularly .The working of equipment in laboratory is checked in beginning of every semester as per the user manual provided. The laboratory equipment are maintained and calibrated through budget allotted for the same to the respective department as per standard procedure recommended by the vendor/supplier. The calibration of selective equipment is undertaken periodically by the respective departments through lab in-charges. In case of any major issue the vendor/external agency looks after the maintenance. The Institute has a team of qualified experienced technical staff for maintaining computers and networking facilities. Some of the members are identified for the same and it is ensured that they are available at short notice. The upkeep and maintenance of sensitive equipment is done regularly .operational guidance and working of every machine or equipment is displayed on the laboratory notice boards for safe operation. With the help of generators, UPS a stable power supply is given all over the campus without disturbing the regular system. As per requirement from laboratories, single phase 3 phase connections are provided. To control voltage fluctuations stabilizers are installed. The senior electrician and the supporting staffs are in-charge for the maintenance and upkeep of electrical equipment. To avoid any electrical accidents, electric and electronic devices are maintained. CCTV cameras are installed at relevant spaces for security purpose. ATM facility is available in campus. Photocopy centre available in campus. Fire extinguishers are installed at prominent locations in the

[http://www.kjei.edu.in/kjcoemr/Kjcoemr\\_student\\_corner.php](http://www.kjei.edu.in/kjcoemr/Kjcoemr_student_corner.php)

## **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	Govt. Of Maharashtra	873	40830016
Financial Support from Other Sources			
a) National	KJEI-56, Persistant-4, Leela Poonawala-2, SPPU	110	2803878

	Earn Learn -44, Gate Wani Institute- 4		
b)International	NA	0	0
<a href="#">View File</a>			

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 implemetation	Number of students enrolled	Agencies involved
Remedial Coaching	01/07/2018	883	KJCOEMR
GFM (Mentoring)	01/07/2018	1158	KJCOEMR
Data Analytics using R	18/09/2018	58	D Y Patil College of Engineering
SQL and MongoDB Databases	22/09/2018	43	Excellent software training and consultancy
Seminar cum Expert Talk (Artificial Intelligence and Robotics , Data Analytics, High Performance Computing	24/09/2018	55	D Y Patil College of Engineering
GPU Programming using CUDA	28/09/2018	58	Excellent software training and consultancy
Android Technology	30/09/2018	43	Excellent software training and consultancy
Lecture on "Discrete Mathematics"	12/09/2018	53	KJCOEMR
Guest lecture on Computer Organization and Architecture	12/09/2018	53	KJCOEMR
Guest lecture on Artificial Intelligence and Robotics	05/10/2018	58	KJCOEMR
<a href="#">View File</a>			

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

2018	MPSC/UPSC	47	620	3	3
<a href="#">View File</a>					

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
0	0	0

## 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
OPULENT	41	1	K J Infrastructure Projects (I) Pvt. Ltd.	15	2
<a href="#">View File</a>					

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
2018	2	BE	Mechanical Engineering	VIT Pune	M. Tech
2018	1	BE	Mechanical Engineering	University of North Carolina, USA	MS
2018	1	BE	Mechanical Engineering	AUBURN University, Alabama, USA	MS
2018	1	BE	Computer Engineering	KJCOEMR	ME (Computer)
2018	2	BE	Computer Engineering	MIT-ADT Pune	ME (Computer)
2018	1	BE	Civil Engineering	KJCOEMR	ME (Structural Engg.)
<a href="#">View File</a>					

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
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Kabaddi	University	54
Cricket	University	90
Football	University	60
Chess	University	16
Carrom	University	18
Badminton	University	12
Volleyball	University	10
Box-Cricket	University	40
Dance	University	21
Fashion show	University	6
<a href="#">View File</a>		

### 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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	nil	National	0	0	0	0
<a href="#">View File</a>						

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

The objective of the student council is to develop the career, personality and organizational skills through extracurricular, co-curricular activities. This platform provides opportunity to the student community to express their opinions about the institute and recommend the suggestions as per their expectations. Also, it acts as a link between institute administration and students. Student council has opportunity to represent the institute at the university level to put up and address students' problems and expectations. The student council plays a vital role in organizing annual events like, annual social gathering and annual technical fest. The activities of student's council include:

- To organize national level technical competition "Gravity 2K18"
- To organize the institute level annual event K J YOUTH FEST this includes cultural event "MALHAR", sport events "MAIDAN" and technical event "YANTRA"
- Celebration of National days like Independence day, Republic day etc., to develop sense of nationalism and tribute to the nation.
- To celebrate Teacher day, Engineers Day, Pranayam and Yoga Day, etc., to keep friendly and spirited environment through departmental administrative association bodies.
- To organize NSS special camp, blood donation camp, tree plantation, road safety program, street play, etc. to inculcate social awareness.
- Student council provides all logistic and procedural support to organize all events at institute level and also involved to give wide publicity to all events in the neighboring institutes.

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The meeting of all Alumni student was organized at K J College of engineering

and management research, Pune at 10.00 am on 23rd February 2019. The invitation to alumni students of the different departments was sent by calls and emails by the staff member in advance for their valuable presence. Total 199 alumni students were present in the auditorium which made their presence a grand success of the whole function. Third year student's coordinators and all the staff including alumni coordinator supported for the whole program. Dr. Suhas S. Khot, Principal, K J College of engineering and management research, Pune welcomes the alumni students and congratulated them for their achievements of the professional carrier. Hon.Shri. Kalyan Jadhav, Founder President, KJEI, Mr. Vinod Jadhav, Treasurer KJEI, Dr. Hemant Abhyankar, Executive Director, KJEI was also present for this grant event. The alumni students shared their professional experience along with question-answer session in there department with current students. The department had organized different cultural activities for alumni students followed by lunch. Suggestions for the development of the institute were given by alumni through their feedback.

5.4.2 – No. of enrolled Alumni:

446

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

620000

5.4.4 – Meetings/activities organized by Alumni Association :

23rd February 2019, Alumni Meet, No. of participated Alumni 199

## **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)

Two Practices 1. Gravity 2K18 "Gravity 2K18" 4th National Level Project and Poster Expo for Engineering and Diploma Students conducted on 23rd and 24th March 2018 in KJEI Campus, Pune. The objective of the National Project competition was to provide a common platform to the students to exchange innovative ideas in the field of Engineering and Polytechnic. The Project expo was organized under the following broad themes Computer, IT, ETC, Electrical, Mechanical and Civil Engineering. The Chief Guests invited were Mr. Dhananjay Diwan, Head Corporate Training and Dr. Prakash Kajave, Sr. Manager -Tech Mahindra, Pune. Both have a rich experience for more than two decades in varied fields of data analysis and software. They enlightened all the participants with their motivational words regarding the opportunity for innovative Engineer and wide scope in Entrepreneurship. The Guest of honours invited were Mr. Harish Butle who is a Cofounder and Director at DEEPER, Mr. Wang Hong who is a Cofounder at Finnovation Tech Solutions Pvt. Ltd., Mr. Prashant Karandikar who is Director at Oha Solutions, Prof. S K Khedkar, IETE Pune More than 1100 students from various Engineering colleges and Polytechnic in and around Pune participated in the event. Team Gravity is sincerely thankful to Management, Directors and all HOIs, for their constant support. Gravity Best Project Winner from 1. Diploma - IOT Based Fuel Monitoring System for future vehicles, Computer Engineering, SVCPP - Sinhgad, Pune and 2. Degree - Design of Compressing Dusbin (Smart Bin), Mechanical Engineering, TCOER, Pune. Participants were greatly benefited from the cash Prizes (Rs. 61,000), Best Concept Awards (Trophy and Certificate) and Best Project Award Cash Rs 20,000. 2. INFOSYS Drive KJEI - KJCOEMR has organized Infosys Placement drive for 2017-18 batches. We hosted two drives of INFOSYS. • The first drive we arranged on 7 8 March in which 2500 students from all over India attended. KJEI 17 students appeared for the Drive. 85 students were offered Job from Infosys •

The 2nd drive we arranged on 11 12 April in which 3500 students from all over India attended. KJEI 52 students appeared for the Drive. 125 students were offered Job from Infosys. Mr. Sudhindra Purohit KJCOEMR Computer 2016, Abhishek Dev- KJCOEMR Computer 2017, Rishabh Shukla KJCOEMR Computer 2018 got offer from INFOSYS. Ms. Jaspreet Kour has lead the Team of HR panel from INFOSYS Each drive was formulated by 45 HR panel members from INFOSYS. The Recruitment process was as follows: 1] Online referral registration. 2] Pre placement Talk at KJEI Auditorium 3] Online Aptitude Test - Elimination round 4] Technical Interview 5] HR Interview 6] Offer / Result This way we work in social interest for Employment of Engineering students. All leading media has given media News of Infosys drive

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"> <li>• 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.</li> <li>• 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.</li> <li>• 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.</li> <li>• Faculty prepares the teaching plan for the theory and practical subjects allocated to them by</li> </ul>



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](http://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 • In-semester 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-sem examinations: Execution of In semester examination is carried out in following steps • In-semester 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, 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

	<p>using a unique username and password generated by a system</p>
<p>Research and Development</p>	<p>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</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>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</p>

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/>. On-line 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><b>Planning and Development</b></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><b>Administration</b></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</p>

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 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.

Finance and Accounts

With the aim to produce immediate information in finance and Accounts i.e."Single Click Accounting" , this section of College is partially e-governed. 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.

Student Admission and Support

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.

Examination

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.

### 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
2018	Prof. C. M Gajare	MECHPGCON 2019, Nashik	NA	1000
2018	Prof. G. S. Patil	MECHPGCON 2019, Nashik	Na	1000
2018	Prof. N. Bogiri	IoMT: IoT and Medical Technologies	Govt. College of Engineering, Karad	0
2018	Prof. N. Bogiri	Internet of Things	COEP	0
2018	Prof. M. P. Kharche	Skylab Workshop	MMCOE, Karvenagar, Pune	500
2018	Prof. M. P. Kharche	Cyber Security and Data Sciences	TSSMs BSCOER, Pune	1000
2018	Prof. S. K. SHINDE	IoMT: IoT and Medical Technologies	Govt. College of Engineering, Karad	2000
2018	Prof. Vikas Maral	Introduction to Internet of things	NPTEL-AICTE	1200
2018	Prof. Vikas Maral	Internet of Things	COEP	0
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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 professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Faculty De velopment Program on Aspiration Management	Aspiration Management	07/06/2018	09/06/2018	34	0
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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
Advanced in	1	21/12/2018	22/12/2018	2



Industrial Engg. Management, COEP, Pune				
Faculty Development Program on Vibration Measurement Analysis	1	04/06/2018	06/06/2018	6
Aspiration Management	6	09/07/2018	14/07/2018	6
LABORATORY PRACTICE -IV	2	04/01/2019	04/01/2019	1
Cyber Security and Data Sciences	2	04/02/2019	04/02/2019	1
FDP on "Audio Video engineering"	1	21/12/2018	22/12/2018	2
FDP on "VLSI Design and Technolog	1	13/12/2018	14/12/2018	2
FDP on "Embedded System and RTOS	1	13/12/2018	14/12/2018	2
FDP on "Broadband Communication System"	1	13/12/2018	14/12/2018	2
FDP on "Wireless Sensor Network"	1	21/12/2018	22/12/2018	2
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
81	47	10	36

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Teaching	Non teaching	Students

**6.4 – Financial Management and Resource Mobilization**

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

KJEIs KJ College of Engineering and management research is an un-aided self-financing private institute. The prime source of income is by the way of fees received from student, reimbursements of student's scholarships by the state government. The institute does not receive any financial support from the regulatory bodies. however, some funding/grand's are received from the

regulatory bodies for specific project proposals. A well-established mechanism for financial management exists in the institute to insure optimal utilisation of available resources for efficient working of academic and administrative activities. The budget requirement for the next academic year is prepared well in advance in consultation with all the head of departments and registrar for academic and administrative expenditure. The budget is placed for approval in front of management. An efficient system of granting approval is designed for purchase of equipments and materials, staff activities, student activities, administrative activities. The account and finance department use the ERP software for the ease of functioning. All the financial transactions and books of account are dully audited at the end of every financial year by a practicing statutory auditor register with the institute of chartered accounts of India to verify that the accounting standards. Mobilization of funds 1. Student fees 2. Scholarship reimbursement 3. Parental trust funding 4. Grants received from statutory authorities Optimal Utilization of funds 1. Statutory payments (salaries, PF, Professional Tax, gratuity etc) 2. Governing baby fees (affiliation fees AICTE extension of approval etc) 3. Infrastructure development (Lab Equipment, Furniture etc) 4. Library (books, journals etc) 5. Academic activities (Guest Lectures Industrial Visits Membership Fees)

1)Collection of requirement and budget from department/sections 2)Finalization ofdepartmental/section budget by principal office in consultation along with departmental and section head 3)Presenting the draft budget to management and approval of budget by the management 4)Approval budget is shares with department/section for the information and record 5) Material and service procurement are initiated by the department/sections with the approval of principal. 6. Administrative activities (Housekeeping security gardening etc) 7. Student Activities (student events, scholarship and hours sports) Financial Budget Approval Procedure The institute has mechanism for internal and external audit. Internal Audit is carried out periodically. External audit is carried out once in a year. External auditor verifies all receipts and expenses bills, payment of the financial year (FY). The last External Audit of FY 2018-19 was performed in September 17 and Audit of FY 2018-19 was performed in October 2019.

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
Reliance Communication Jio	2450000	WI-FI Deployment
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

2583500
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## 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		Yes	Principal
Administrative	No		Yes	Principal

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)

1 Mobile Repairing under PMKVY Scheme 2 Hands-on on MS-Office for Support Staff  
3 Seminar on "Behavioural Management Skills"

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

1) NIRF 2) ISO 3) NBA 4) AISHE

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
2018	Gravity 2K19	07/01/2019	07/01/2019	08/01/2019	500

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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	08/03/2019	08/03/2019	135	36
International Yoga Day	21/06/2019	21/06/2019	5	20
Independence Day Celebrations	15/08/2018	15/08/2018	125	255
Teachers Day	05/09/2018	05/09/2018	55	153
Grand Alumni Meet	08/09/2018	08/09/2018	182	320
Hasyasamraat	12/09/2018	12/09/2018	82	120
Ganpati Festival	13/09/2018	13/09/2018	70	182
Engineers Day	15/09/2018	15/09/2018	7	40
GO Green Cycle Rally	04/10/2018	04/10/2018	75	225
NSS Camp	27/12/2018	02/01/2019	13	42
KJ's Youth Fest	09/01/2019	12/01/2019	150	480
Blood Donation	24/01/2019	24/01/2019	34	120

Tree Plantation	24/01/2019	24/01/2019	33	70
Republic Day Celebrations	26/01/2019	26/01/2019	128	262

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
<p>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 9758 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 2018-19. 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.</p>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Ramp/Rails	Yes	1
Braille Software/facilities	No	0
Rest Rooms	Yes	4
Scribes for examination	Yes	30
Special skill development for differently abled students	Yes	225
Any other similar facility	Yes	10

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva	Number of initiatives taken to engage with and contribute to	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
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	ntages	local community					
2019	2	6	27/12/2018	7	NSS Special Camp at Sakurde Purandar taluka Pune	Drainage line Cleaning, painting of walls, road etc maintenan ce were carried out, street play	60
<a href="#">View File</a>							

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	02/07/2018	<p>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.</p>

		<p>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 effort for the continuous development through training programs, workshops and research and development activities.</p>
Code of conduct for the alumni of the institute	02/07/2018	<p>1) To extend the help to the students of KJCOEMR placement and industrial training. 2) To act as a bridge between college and the industries for interaction on new developments in different disciplines of engineering. 3) To assist the college to promote R D activities, testing and consultancy. 4) To extend every possible help to the college authorities for overall progress of the institution.</p>
Admission college prospectus /handbook	02/07/2018	<p>Brief history of institute along with Vision and Mission. ??Intake capacity of UG and PG Programmes. 2 Information regarding infrastructure, laboratory facilities, library, IT infrastructure, internet facility etc. ??Information about</p>

		<p>department wise staff and student achievements.</p> <p>??Information regarding Training and Placements, placement history, and list of recruiters.</p> <p>??Details of MoU with various organizations.</p> <p>??Hostel, mess and other amenities available in the campus. ??Various co-curricular and extra-curricular activities conducted in the institution. ??Details of Educational loan scheme.</p> <p>??Details of different technical and non-technical events conducted in the campus.</p> <p>??The institute website</p>
<p>Code of conduct for students and parents</p>	<p>02/07/2018</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 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</p>

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
Tree Plantation	24/01/2019	24/01/2019	103
Blood Danation	24/01/2019	24/01/2019	154
Women Empowerment and Traffic awareness	11/02/2019	11/02/2019	180
International women's day	08/03/2019	08/03/2019	171
International Yoga day	21/06/2019	26/06/2019	200

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

The college is very eco-conscious and takes quite number of initiatives to maintain an Eco -friendly campus. A) Energy Conservation: With regard to energy conservation, the college ensures the electrical gadgets are well-maintained, particularly UPS batteries, air conditioners are serviced periodically and maintained. The various awareness programmes are conducted at the institute for energy conservations such as WORLD water day - 22nd March, Earth hour day - 29th March, Ozone day - 16th September. • Energy Saving boards with the following captions are posted in Every classroom ? SAVE ELECTRICITY ? TURN OFF FANS AND TUBES AFTER USE. • Safety rules are provided in all transport vehicles • Generator maintenance is done periodically to keep it ship-shape and ready for use. • College does Energy audit once in a year. B) Use of renewable energy: • Steps are being taken for the utilization of solar power in the college campus. • Solar Street lights are proposed within the campus. C) 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 storage tanks are constructed in campus. • The trees and lawns are maintained with water drips and sprinklers. • Reuse of waste water for



gardening. D) Efforts for Carbon neutrality: • Every building in the campus is surrounded by trees and lawns, number of trees have been planted in the campus

- Emission test certificates are mandatory for the vehicles in the campus. • Cigarettes and tobacco products are strictly banned within the campus • Vehicular movements are restricted inside the campus except few VIP cars. • The vehicle parking arrangements have been kept at sufficient distance from central campus of college which helps in keeping campus pollution free. • Minimum use of Air Conditioners in laboratory and cabins. • Adopted a practice to switch off air conditioners at least half an hour before leaving workplace. • Dead leaves are not allowed to put on fire. It is handover to the farmer for decomposition purpose. E) 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. • Faculties and students are encouraged to plant trees inside the campus on special occasions is shown F) Hazardous Waste Management: • The everyday regular waste of the college does not include hazardous waste. The solid waste is handled by the usual methods. • In Chemistry laboratory very dilute solutions are used for first year engineering practical, it does not create hazardous waste. The students are instructed provided for minimum use of hazardous chemicals in these laboratories. • The chemical waste from the chemistry laboratory is diluted before dispose. G) E-Waste Management

## 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. 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. 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. <http://www.kjei.edu.in/kjcoemr/Docs/Best20Practices.pdf> 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. 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. 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. Best Practices II Employability Skill Development Programme (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 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, which has improved placement shown below

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. 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

<http://www.kjei.edu.in/kjcoemr/Docs/Best%20Practices.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 college have shown positive growth with each passing year. The modern state-of-the-art infrastructure and facilities are developed to provide conducive atmosphere for Teaching, Learning All Round Development of the Students. In order to achieve our objectives, we have qualified teachers and staff dedicated to maintain high standards. . Majority of our faculty members are having more than 10 years of Academic and/or Industrial Experience in their respective disciplines. Teaching Methodology includes well prepared Lecture Notes, latest Presentation Techniques, Interactive Sessions, as well as dialogue between students and teachers. We encourage one-to-one interactions between teachers

and students, for co-curricular as well as extra-curricular activities. The institute grooms the leadership at various levels as follows: At student level: •?Encouragement to conduct various activities by the students for the students. •?Assigning freedom and responsibilities to develop their plan of execution of various activities. •?Enhancement of personality development, and soft skill to build their confidence while executing specific task. •?Motivation and encouragement for new innovative ideas with strong moral support from faculty. At faculty level: •?Opportunities to lead specific committee while conducting various activities at department and institute level. •?Freedom is given to express their thoughts, new ideas, and novel approaches. •?Inspiring those to lead the student's community during the classes, practical and industrial tours to guide the students while acquiring the knowledge. •?Encouragement to lead the faculty while organizing various level seminars and workshops. At HoD level: •?Decentralization of various tasks to develop leadership at departmental level. •?Assigning few institutional responsibilities well supported by the Principal and the management. •?Creating healthy competition amongst the department and encourage them to achieve superior academic performance. •?Encouragement to visit various reputed organizations to understand their best performance practices and implementation policies. •?Encouragement to follow administrative practices to avoid confusions and hurdles in the path of the success. At Principal level: •?Freedom is given while executing academics. •?Financial freedom and moral support for the betterment of quality outcome. •?Appreciation of execution of best practices. •?Experiencing healthy competition among the institutes and encouragement to head of the institute to achieve superior academic performance.

Provide the weblink of the institution

<http://www.kjei.edu.in/kjcoemr/Docs/Institutional%20Distinctiveness.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) Implementation of more number of program specific value added courses
- 2) Identify more number of industry partners who can bridge the gap between industry and existing curriculum, and act as a platform to offer internship/placement to students

B) Teaching learning and evaluation

- 1) To increase the number of smart classrooms
- 2) Increase number of E-resources and techniques in teaching learning process
- 3) Enhance the mechanism for attainment of program outcome, program specific outcome and course outcome
- 4) Increase the pass percentage of students

C) Research, Innovations and extension

- 1) Institution policy to be strengthen for research activity
- 2) Identify the areas and agencies providing research funds
- 3) Increase in support activity for research
- 4) Promotion of IPR related activities
- 5) Submission of research proposal for faculties for funding to various activities

D) Infrastructure and learning resources

- 1) Augmentation of physical facilities in campus
- 2) Financial provision for library as a resource
- 3) Development of more number of e-contents by faculty

E) Student Support and progression

- 1) Development of student friendly, student owned campus
- 2) Increase the capability enhancement and development schemes for students
- 3) Increase the number of placements in the institute and strengthen the TP department
- 4) Increase the number of students taking part in sports and cultural activities outside the institution
- 5) Involvement of Alumni in development of institute

F) Governance Leadership and Management

- 1) Organize training program for development of administrative staff , skill development program for non teaching staff.
- 2) Conduction of Administrative and Academic Audit (AAA) regularly
- 3) Preparation and deployment of strategic plan

G) Institutional values and Best practices

- 1) Awareness creation among students and staff for environmental consciousness and sustainability
- 2) Awareness of students and staff for gender equality
- 3) Awareness of students for human values and professional ethics

