Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**DR. K .BOMMANNA RAJA**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04222635600**
Mobile no.	**9750944277**
Registered Email	**principal@kpriet.ac.in**
Alternate Email	**info@kpriet.ac.in**
Address	**ARASUR, COIMBATORE**
City/Town	**COIMBATORE**
State/UT	**Tamil Nadu**
Pincode	**641407**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**DR. S. RAMESH BABU**
Phone no/Alternate Phone no.	**04222635600**
Mobile no.	**7373737853**
Registered Email	**iqac@kpriet.ac.in**
Alternate Email	**rameshbabu.s@kpriet.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://kpriet.ac.in/pdf/naac/Aqar_2017-18.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.kpriet.ac.in/accreditation/naac/ayc

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity Period From	Period To
1	**A**	**3.08**	**2016**	**29-Mar-2016**	**31-Dec-2024**

6. Date of Establishment of IQAC

25-Feb-2015

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Scientific educational	**09-Jun-2018**	**152**

practices	1	
Adherence to quality	04-Jan-2019 1	168

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				

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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

• **RD cell has submitted 07 sponsored research projects prepared by the faculty with a total value of Rs.5.47 crores. • Five Departments, Mechanical, Civil, EEE, ECE and CSE were accredited by National Board of Accreditation (NBA). • Six Departments were recognised as research centres of Anna University Chennai. • Four academic audits were convened through IQAC members to ensure the quality of teaching learning outcomes. • Effective centralized Examination process is implemented for the conduct of Internal and University examinations.**

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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 upgrade for autonomous status in the current academic year	Received autonomous status by Aug
To enhance IIPC, EDC, R&D and alumni related activities	Most of the students undergone internship in various organization
To receive research grants from various government agencies	Received grant of Rs. 6,99,35,000 in total from different organisations
To inculcate innovative activities among the students	Intellectual Property Rights (IPR) cell has filed 16 Patents and 2 Copyrights from the institute, out of which 12 patents have been published and 2 copyrights have been approved.
To improve skill of the students	MoUs with various organization to create Centre of Excellence on latest technologies
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	15-Feb-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2020

Date of Submission	24-Feb-2020

17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	CMS (College Management System): Modules: 1) Faculty Enrichment 2) HR Module 3) Students Fee Collection Module 4) Students Assignment, internal Mark Entry Module 5) Students Attendance Module 6) Students Profile View 7) Faculty Payroll 8) Students Academics 9) Students Result 10) Curriculum and Time Table

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

Institution is approved by AICTE and affiliated to Anna University, Chennai. Institution follows the curriculum given by Anna University. Value Added Courses and other skill based training are given based on the feedback from the stakeholder and the Governing Council members during the starting of the academic year. KPRIET follows a systematic approach for the effective teaching – learning process through the IQAC of the institution. Based on the academic schedule received from the University, our institute prepare the college academic calendar and the departments prepare their department calendar, which includes all the activities of the college and the department planned for the academic year including the IQAC audit. IQAC team audit the preparedness of the courses by inspecting the course file before the beginning of the class. Contents of the course file are as follows: 1. Department Vision, Mission 2. Programme Outcomes (PO) 3. Programme Objectives 4. Course Syllabus 5. Nominal Roll 6. Course Objectiv & Course Outcomes (CO) 7. Mapping of COs and POs 8. Identification of curriculum gap 9. Details of Content beyond syllabus 10. Lesson plan 11. Delivery methods / models planned 12. Guest lectures, workshops planned. 13. Previous university question paper 14. Course material 15. Audit forms with support document 16. CO attainment 17. Feedback from the students 18. Course end survey 19. PO attainment

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
No Data Entered/Not Applicable !!!					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Chemical Engineering	10/04/2018
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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	BioMedical Engineering	02/07/2018
BE	Civil Engineering	02/07/2018
BE	Computer Science and Engineering	02/07/2018
BE	Electronics and Communication Engineering	02/07/2018
BE	Electrical and Electronics Engineering	02/07/2018
BE	Mechanical Engineering	02/07/2018
ME	CAD / CAM	02/07/2018
ME	Computer Science and Engineering	02/07/2018

| ME | Structural Engineering | 02/07/2018 |
| ME | VLSI Design | 02/07/2018 |

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

	Certificate	Diploma Course
Number of Students	Nil	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
C Programming	16/11/2018	60
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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	Chemical Engineering	1
BE	Civil Engineering	101
BE	Computer Science and Engineering	775
BE	Electronics and Communication Engineering	721
BE	Electrical and Electronics Engineering	420
BE	Mechanical Engineering	365
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
The institution is adopting various methodologies for enhancing the quality of the teaching and learning process. Feedback are collected from various stakeholder for the improvement of quality in the teaching learning process. The feedback mechanism adopted in the college comprises of Stakeholders through online: • Students • Alumni • Parents • Recruiters Some of the feedback are: • Students Feedback on the subject • Course end survey • Program Exit Survey • Alumni Survey • Feedback on the courses (through the class committee meeting) Based on the feedback of the stakeholders the corrective actions are carried out. The rating criteria comprises of four parameters: 1. Excellent 2. Good 3. Satisfactory 4. Poor The collective rating of students? response to all questions in feedback is calculated to 100. The action taken against the

feedback collected are verified by the IQAC audit team and tracked for the closure of remedial actions suggested. Other Feedback Systems comprises: • Class Committee Meeting (CCM) • Mentor Mentee Meeting (MMM) CCM: The class committee members will meet 4 times in a semester, the date for the meeting will be decided by the IQAC team and notified in the college calendar. During the meeting the chair person of CCM will interact wit the class committee members and collect the feedback for every subject. The report will be submitted to the HoD and the remedial action will be taken. MMM: The Mentor Mentee will meet 4 times in a semester, the date for the meeting will be decided by the IQAC team and notified in the college calendar. During the meeting the mentor will individually interact with their mentees. The discussion includes performance of the mentee in the university exam, Continuous Internal Assessment, Co- curricular and extracurricular activities. Mentor will suggest point to improve their performance in all aspects.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
ME	Structural Engineering	18	10	10
ME	Computer Science and Engineering	18	Nill	Nill
ME	CAD / CAM	18	Nill	Nill
BTech	Chemical Engineering	60	23	23
BE	Mechanical Engineering	180	130	126
BE	Electrical and Electronics Engineering	120	98	96
BE	Electronics and Communication Engineering	180	145	142
BE	Computer Science and Engineering	180	155	151
BE	Civil Engineering	120	56	54
BE	Bio-Medical Engineering	60	50	47
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution	Number of students enrolled in the institution	Number of fulltime teachers available in the	Number of fulltime teachers available in the	Number of teachers teaching both UG

	(UG)	(PG)	institution teaching only UG courses	institution teaching only PG courses	and PG courses
2018	2902	12	189	12	201

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	Numberof smart classrooms	E-resources and techniques used
201	201	6	61	8	5
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No file uploaded.					

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

Mentoring system: • For every 15 students a mentor will be allotted from the department across all years. • Every day mentors will meet the mentees during the mentor hour. • After every Continuous Internal Assessment Test (CIAT) the mentors will meet their mentees and discuss about their performance in the CIAT. • After the announcement of results for the University End Semester Examination, mentor will meet their mentees and discuss about their performance in the University End Semester Examination. • Mentees record book: for every mentees, the mentor will maintain a separate a record book to follow up all the activities by the mentees. Mentor Hour: Mentors use to meet their mentees on daily basis during the mentor hour allocated for every class between 8.45am to 8.55am. During the mentor hour the students will perform activity such as role play, newspaper reading, technical talk, Group discussion etc., which help to improve the overall personality of students. Mentor Mentee Meeting: Mentor – Mentee meeting will be conducted after every CIAT. Mentors will do a performance analysis of their mentees in the CIAT and mentors will also discuss about the co- curricular and extracurricular activities participation like value added course, online certificate, workshop, seminar, conference, sports and cultural.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2902	201	1:14

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
37	37	Nill	37	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
No Data Entered/Not Applicable !!!			
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
No Data Entered/Not Applicable !!!				
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Continuous Internal Assessment Test are planned as per the academic calendar. • Two sets of question papers prepared by the subject handling faculty are verified by the course incharge, program co-ordinator and HoD. • The same will be submitted to exam cell for further process. • IQAC member will verify the question paper for the correctness and quality of the question paper based on the course plan and the level specified in the Revised Blooms Taxonomy. • Either Set 1 or Set 2 question paper chosen by the chief superintendent will be take as the final for the conduction of the CIAT. • Revised Bloom's Taxonomy keywords are incorporated while setting the question papers and their level are indicated in the question paper along with the course outcome for all the subjects. Information on the conduction and evaluation of internal tests • Students are informed about the internal test dates through academic calendar, circular and the class committee meeting. • The evaluation process is explained to them by the respective subject handling faculty members. Centralized Evaluation for Continuous Internal Tests • Student's performance in internal tests are evaluated in centralized manner as arranged by the college exam cell. Evaluation is completed in a span of two days for each subject. • Cross evaluation is performed the evaluation process to maintain the standard of evaluation. • After paper evaluation, the answer scripts are distributed to students and answers are discussed in the class room. Final mark will be uploaded after student authorised his/her mark in the answer script. Intimation to parents about the internal test performance • All the parents are informed about their ward's on their performance in each internal test through SMS. • Head of the department conducts result analysis meeting after the end of each internal test. Remedial Classes • Based on the result analysis meeting discussion, the remedial classes are planned and conducted for the subjects in which the pass percentage is found to be less.

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

Academic Calendar preparation process: • IQAC and the exam cell with all other Head of the departments, club, committee and professional societies have a detailed discussion over the academic calendar prepration. • All the head of department, club and committee will submit their calendar. • IQAC and exam cell will verify the calendar and if there is any clash between the date for several event will be addressed. • Then the college overall calendar will be prepared. • Overall academic calendar is prepared in accordance with the Anna University calendar for the conduction of the commencement of the classes, Continuous Internal Assessment and last working day.

2.6 – Student Performance and Learning Outcomes

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

https://www.kpriet.ac.in/accreditation/naac/po

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage

			appeared in the final year examination	in final year examination	
No Data Entered/Not Applicable !!!					
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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)

https://www.kpriet.ac.in/pdf/naac/SSS_Report(2018-19).pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

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

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

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Development of Smart cities in India	Civil	07/09/2018
Career development programme	ECE	10/09/2018
Deep Learning for Computer Vision Using NVIDIA DIGITS	ECE	23/05/2019
Accelerating Teaching Research With Matlab	ECE	28/03/2019
Drone Assembly	ECE	08/02/2019
Hands on training on Embedded C Programming using ARM Microcontrollers	ECE	09/01/2019
Hands on training on Embedded C Programming using ARM Microcontrollers	ECE	28/12/2018
Hands on Training on FM Radio Production Programme	ECE	21/12/2018
Arduino Projects for beginners	EEE	28/12/2018
Training on MATLAB Simulation on PV Modeling and its Interconnection	EEE	31/08/2018

Ties			
Research Challenges and Opportunities in Power Converters for Electric Vehicle Application	EEE	18/08/2018	
Recent Trends in Power System Protection	EEE	04/08/2018	
Research Perspectives of Power Electronic Converter for Renewable Energy Application	EEE	27/07/2018	
PLC and SCADA	EEE	08/01/2018	
C Programming	EEE	19/06/2018	
PVsyst Software	EEE	21/06/2018	
Dialux Software	EEE	11/06/2018	
Modern Control Techniques for Hybrid Electric Vehicle Applications	EEE	22/06/2018	
DSLR and Adobe Photoshop	EEE	28/05/2018	
Energy Management System for Smart Grids	EEE	31/05/2018	
Restructuring of Power System – Need of Renewable and Energy Storage	EEE	23/05/2018	
Android App Development for Engineering Applications	EEE	26/05/2018	
Simulation based training program on MATLAB Simulink for Engineering Applications	EEE	23/03/2018	
Yantrik 2K19- Workshop Recent Trends in Automobiles	Mech	05/04/2018	
One day workshop on Taguchi Experiments	Mech	03/12/2018	
Two day workshop on Industrial drawing	Mech	01/03/2019	

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
Disaster Mitigation and Management	Dr. A. K. Priya	DST SERB	06/03/2019	Seminar
Women Entrepreneurship and Skill Development	Dr. A. K. Priya	DST SERB	30/03/2019	Entrepreneur development Programme

Investigation of heavy metal attenuation through biobarrier due to leachate permeation from an open dump yard at vellalore in coimbatore	Dr. S. Kanmani	TNSCST	20/12/2018	Student project
IEEE Yesist 12 – age of innovation	Ms. R. Mohanabharathy	IEEE	15/03/2019	Prelims
Industrial Level Fault Analysis	Dr.R.Uthirasamy	KPRIET	09/03/2019	Best Project
Investigation on Three phase seven- level cascaded DC link Converter using carrier level shifted modulation schemes for solar PV System Applications	Dr.R.Uthirasamy	Kasetsart University, Chatuchak, Bangkok, Thailand	10/02/2019	Best Research Paper

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
KPR Incubation Centre	KPR Incubation Centre	KPRIET	Spoorfy	Information Technology	22/08/2018
KPR Incubation Centre	KPR Incubation Centre	KPRIET	ThoughBees	Information Technology	22/08/2018

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
No Data Entered/Not Applicable !!!		

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

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

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

Type	Department	Number of Publication	Average Impact Factor (if

| International | CSE | 27 | .33 |
| International | Science and Humanities | 9 | 3.55 |

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Mechanical	1
Computer Science and Engineering	8
BioMedical Engineering	6

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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
No Data Entered/Not Applicable !!!						
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	36	145	11	8
Presented papers	10	20	Nill	Nill
Resource persons	Nill	Nill	5	Nill

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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
No Data Entered/Not Applicable !!!			
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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
Organizing Student Branch activities	Certification of Appreciation	IEEE	570
Best Student Award	Certification of Appreciation	ISTE	2
Operation Karam – Flood rescue and Relief Operation Kerala	Best Supporter	Delta Squad Support Team	1
Paper Presentation	Best Paper Award	IIT, Hyderabad	3
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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 activites	Number of students participated in such activites
No Data Entered/Not Applicable !!!				
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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
No Data Entered/Not Applicable !!!			
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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
500	418

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

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
ERP OPAC	Partially	9	2009

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
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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	812	706	36	30	0	30	10	100	0

Added	8	4	0	0	0	0	4	0	0
Total	820	710	36	30	0	30	14	100	0

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Learning Resource	**https://www.kpriet.ac.in/**

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 incurredon maintenance of physical facilites
20	**18**	**400**	**400**

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

• The college ensures optimal allocation and utilization of the available financial recourses for maintenance of different facilities by holding regular audit of various committees constituted. • Laboratory: Lab Technician and Lab In charges maintain the log for the lab utilization and regularly update the stock whenever there is a up gradation. All the lab related activities are supervised by HoD of concern department. The calibration, repairing and maintenance of sophisticated lab equipment's are done by the technicians of related owner enterprises. • Library: 1. The requirement are collected from the department and the same is discussed in the HoDs meeting. Finalized list will be submitted to the principal for the approval for the procurement. 2. Suggestion box is installed inside the reading room to take users feedback. 3. To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. 4. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee. • Sports: Physical Education Department maintain the log for the utilization of the sports complex. The department also maintain the stock and service register of the gym equipments. • Computers: 1. Campus is enabled with wifi facility for the students and faculty members. 2. ERP software is used for maintaining faculty and students details. 3. All Departments are facilitated with separate computer laboratories with their required software's. 4.Open access journals facilities are available with the OPAC server. • Classrooms: Administrative officers and staff maintains the classroom regularly.

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
	No Data Entered/Not Applicable !!!		
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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
I- Crash Course on Spoken Hindi	04/02/2019	35	Hin-D-Innovate Zone
Language Proficiency	24/07/2019	1350	Internal
Soft skill development	07/01/2019	55	Internal
Soft skill development	09/07/2018	120	Internal
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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 passedin the comp. exam	Number of studentsp placed
No Data Entered/Not Applicable !!!					
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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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
No Data Entered/Not Applicable !!!					
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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
Civil Services	1
Any Other	4
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						

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

The Students of KPRIET are adequately represented in various forums and they are empowered to organize events and display their leadership skills. List of forums where students play an active role are as follows: Students Council: Students council is a body which represents students of all departments and coordinated by two senior faculty members. Principal discusses the academic issues with the council members twice a semester and recommends corrective actions based on the suggestions and feedback. Class Committee Meeting: The class committee comprises of students representing various categories like the quick learners, slow learners, class handling faculty, student representative from hostel and mentors. The meeting is convened by the Chief Mentor for the class and a chair person will preside over the meeting and its proceedings. The meeting is convened four times in a semester to discuss the academic progress of the students and improvement required in the teaching learning practices. The IQAC team, HoD and the Principal may incept during the meeting. Program Advisory Committee: The programme advisory committee (PAC) discusses about curriculum revision, framing the program outcomes (Pos), program specific outcomes (PSOs) and program educational objectives (PEOs). Senior faculty members, industry and academic experts, students and alumni are members of PAC. The suggestions from students pertaining to curriculum and syllabus are implemented through this committee. Clubs and Associations: List of Clubs, Committies Community services: 1. Sangaman a. Art and Craft Club b. Dance Club c. Drama Club d. Food Club e. Humor Club f. Internet Radio Club g. Literary Club h. Photography Club i. Music Club j. MIME Club k. Eco Club l. Rotaract Club m. Tamil Mandram n. Thulir Club o. Toast Masters Club p. Yoga / Health Club q. Youth Parliment 2. Ignitrron a. Business club b. Science club c. Software Development Cell d. Electronics Club e. Quiz Club f. HAM Club g. Robotics Club h. Film Club i. Flying Club j. Space Club 3. NCC 4. NSS 5. Youth Red cross 6. Unnat Bharath Abhiyan 7. Indian Biomedical Society 8. Biomedical Society of India 9. Institute of Engineers 10. India Geo Technical Society 11. Computer Society of India 12. Ensav Club 13. Indian Concrete Institute 14. IEEE 15. ISHARE

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?
No

5.4.2 – No. of enrolled Alumni:
709

5.4.3 – Alumni contribution during the year (in Rupees) :
709000

5.4.4 – Meetings/activities organized by Alumni Association :
1. Alumni meet 2019 on 10.02.2019. 2. A seminar on entrepreneurship on 23.11.2018, training by Mr. Ashwin Karthick, Founder and Propreitor, Kites Café, 2009-2013 batch, Department of Mechanical. 3. A seminar on leadership on 15.03.2020 by Mr. Jithendra, Group leader, WIPRO technologies, Chennai, 2009-2013 batch, Department of EEE.

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)
The Institution follows a decentralized and participative management style in decision making. 1. The Head of the Institution in consultation with the Heads of the Department plans the budget and activities for the year. The HoDs will propose the budget and activities for the year after consulting with the department faculty members. The plan is brainstormed in the HoDs meeting and the same is approved by the Governing Council Members after an elaborate presentation session by the Principal in the presence of HoDs. The HoDs will ensure the successful implementation of the activity plan, which is monitored by the Head of the Institution and top management. Apart from that the above said Rs 10,000/- per month to meet incidental expenses of the department are provided to the Heads. 2. Every department assigned with Exam cell co coordinator for smooth conduct of Internal and External theory and practical examinations.

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	Since the institute is affiliated to Anna University, the design and development of academic curriculum is done by the University, the Institute supplements the curriculum through enrichment programs in the form of value added courses and soft skills training to meet the competitive needs of the industry. Well framed syllabi for enrichment program based on the feedback from various stake holders is planned, executed, monitored and

		updated through the team of Training and Placement cell constituting subject and management experts for bridging the industry institution gap.
	Teaching and Learning	The Institute functions with the vision of educating the students to meet the global challenges with ethics and social consciousness. ? By considering the academic schedule from the University, Academic Council Meeting (ACM) is conducted to finalize the institutional activities and the institute academic calendar has been prepared and released by the Head of Institution and circulated among the departments during the commencement of the academic year. ? Based on the academic calendar, the departments prepare their department calendar constituting the planned activities. ? Effective teaching and learning is achieved through students' centric teaching approach like lecture with discussion, demonstration of models, periodical field visits, tutorials and assignments. The teaching and learning process is also made effective through audio-visual tools and faculty lecture presentations. ? The provision for exposing the modern tool usage, content beyond syllabus, augmented experiments and industrial visits to the students is made in the department for bridging the curricular gap. ? The faculty members are continuously evolving and updating the teaching practices, by attending domain specific faculty development programs, pedagogical workshops, seminars, internships, orientation programs in premier institutions. ? The effective teaching learning process is demonstrated through peer to peer learning, group discussion, mini project, faculty seminar series and student seminars. ? During the course of academic schedule, based on the performance, learners are categorized into slow learners, average learners and advanced learners. ? Academic activities like remedial classes are convened to support and upgrade the technical competency of slow and average learners. The slow and average learners are closely followed by the subject faculty, monitored by the mentor with parents support to ensure continuous improvement during the internal exams and university

	examinations. ? Self-learning culture is inculcated among the students through value added courses and competitive exam preparations. Students are also motivated to register for online certification courses like NPTEL, EdX, Swayam etc. to enhance their proficiencies on par with the expectations of recruiters/industry. ? Experts in various fields from industries and premier educational institutions are invited to share advanced information which serves as a learning platform for the students. The department organizes activities and events in collaboration with Professional Chapters (IEEE, ISTE, IE(I), ICI, SAE, ISHRAE, CSI, ICTACT/ Associations / Forum / Clubs) to enhance the significant participation of students in various arena. ? Students secure university ranks on par with other affiliated colleges and exhibit academic proficiency at the department / institution level which paves the way for their career advancements, scholarships and opportunities to admissions in National / International Institutes of repute.
Examination and Evaluation	The end semester examinations of all the theory and practical courses are conducted and evaluated by Anna University. The internal and model exams are convened as per the schedule given by the University and monitored by the IQAC of the institution. Two question papers are set based on Anna University pattern for each courses as per blooms taxonomy. The question papers are audited by IQAC and the answer scripts are cross evaluated by the respective course faculty. The evaluated papers, calculation of internal marks, pre and post web portal entries are audited by IQAC.
Research and Development	Institute has a Centre for Research and Development (CFRD) to promote the research activities like publications, funding proposals, grants, patents, innovative projects, MoUs and consultancy activities among internal stake holders. ? Research groups are formed based on the specialization of faculty members to enhance research activities in the Department. ? Awareness programmes are periodically organised to discuss about the latest

		development in technology and encourage the faculty members and students to participate in the research activities and prepare articles and research proposals. ? Maintaining the database of all funding agencies, publications of the faculty / students, the details of various conferences organized by reputed institutions, collection of literature on various latest research areas and sharing the research and project related information are communicated to faculty members and students through official e-mail ID. ? Faculty and students are motivated to involve in the innovative projects, patent registration and consultancy activities to bring creativity and scientific temper. ? Separate IPR cell has been established to enhance patent filing activity among the faculty and student community. ? Research laboratories are established in the department to carry out the research/project activities among the faculty and students ? Faculty and students are motivated to publish quality research articles in refereed /SCI Journals.
	Library, ICT and Physical Infrastructure / Instrumentation	The central library consists of 23,358 volumes of books, 62 periodicals and 309 e-resources/e-journals. The library has OPAC facility to access and locate the available material from the catalogue. Library is fully equipped with internet connection through leased line. The stake holders can utilize the digital library facility (192.168.15.91/localguru), on their own personal computer. A specific hour is allotted per week in the time table for utilizing the library resources. The library functions from 8.30 a.m. to 10.00 p.m. ? Wi-Fi and internet facility with 100 Mbps speed is available in both Academic and hostel blocks. ? Globarena (A licensed tool for improving the communication skills) software is available in Communication laboratory. Students can prepare for TOEFL/IELTS Examinations in the Communication laboratory. ? Class rooms are enabled with ICT tools and the laboratories are equipped with live demonstration models. The target learning outcomes are attained through students' centric teaching approach like demonstration of models and

	periodical field visits. ? Laboratories are well equipped with the state of the art facilities over and above the norms prescribed by AICTE and Anna University with ample working space. The computer labs are provided with an exclusive leased line internet connection providing a platform for the students and faculty members to share their contents. ? Training halls and Seminar halls with ICT tools are available to promote knowledge sharing by subject experts from premier institutions, R D laboratories, industries in addition to the convening department activities. ? In addition NPTEL videos, MOOCs, TED videos, Webinars, Online Certification Courses(NPTEL, EdX, Coursera etc.), Value Added and Skill Oriented Training Courses(Staad Pro, Auto CADD, Rivet, Pro E, ANSYS, CADD, PCB Designing, MATLAB, LabVIEW, VLSI Design, Embedded Systems, Core Java, CCNA, PHP, Big Data) are also provided to the students. ? The management has allocated sufficient funds for the development, maintenance of infra-structure and Laboratory equipment during budgeting and the progression is monitored by a team of academic and administrative heads. Periodic servicing and calibration of Instruments and machineries are being carried out.
Human Resource Management	The management recruits adequate number of faculty, technical staff and supporting staff required for teaching and administration. Based on the academic performance index, teaching performance index and the other contributions made by the faculty, they are rewarded. Regular feedbacks are taken from the students by online and counseling is given to faculty if required. Cash awards are provided to faculty for producing excellent results and journal publication. Faculty and technical staff are encouraged to take their higher studies and also to interact with experts in the industry and academia through industrial visits, faculty internships and training programmes. The institution encourages the faculty to participate in orientation programmes, seminars, conferences and FDP by sponsoring their registration fee and travelling expenses

Industry Interaction / Collaboration	Industry Institute Partnership Cell has been a bridge among faculty, students and the industry. The IIPC has provided internships, industrial visits, project opportunities and consultancy for various departments. MoUs with professional bodies like IBM, CODISSIA, COINDIA, BSNL and consultancy discussions at ITC, Indoshell, KPR Dying Unit SIPCOT are in progress. A few organizations like ECI Systems Pvt. Ltd and Steer Engineering have shown interest in setting up labs for Center of Excellence in our campus. IIPC has felicitated internship for faculty members and students, across all departments, in 62 companies. Internship opportunities have been identified at companies like DANFOSS, DRDO, Eurocast and many more.
Admission of Students	The institution admits students through TNEA counseling for government quota and management quota seats are admitted based on their Talent test score and cut-off marks in higher secondary examination. Students with high cut-off and/ high talent test scores are given merit scholarship up to 100 fee waiver. Lateral entry students are admitted based on the CGPA secured in their Diploma course and post graduate students are admitted based on the CGPA in their undergraduate course.

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

E-governace area	Details
Planning and Development	The Institution has an ERP software named Impres for the overall academic and administrative data collection, processing and analysis. The Institution provides individual email id for all faculty and students. All academic circulars and other important notices are sent to faculty members and students as emails through Google domain space. The academic calendar is prepared at the beginning of the academic year and the same is synced with Impres for overall planning.
Administration	To record and monitor faculty attendance and acquaintance maintenance, an ERP module named Payroll is being deployed. This module also maintains the repository of faculty information and attendance

	received through biometric entry.
Finance and Accounts	The Institution's finance and accounts section is also managed through Impres. It contains details about all incomes and expenditures. The data can be processed and accounting statements can be generated any time. The students can also view his fee payment detail in his login.
Student Admission and Support	deployed. This software maintains details about student information, attendance details, fees paid status, tutor details and other details pertaining to student's academic activities.
Examination	Impres Software maintains a database of exam details, student details and generates statistics for the previously conducted examinations.

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	Mr.T.Rajasekaran	Research Seminar	PSG College of Technology, Coimbatore	4800
2018	Dr.M.Priyadarshini	Women In Data Science Conference	IIM, Banglore	1417
2018	Mr.M.Saravanan	FDP on "Moble Adhoc Networks"	NIT, Warangal	2500
2018	Mr.S.Karthic	FDP on Image Processing	Anna University, Chennai	278
2018	Ms.K.R.Sri Preethaa	FDP on Big Image Data Processing using Machine Learning Algorithms	NIT, Warangal	1800
2018	Ms.R.Indhu	FDP on Big Image Data Processing using Machine Learning Algorithms	NIT, Warangal	1700
2018	Mr. D. Vivek	Workshop on Research Menthodology at	-	4329

Year	Title	Title	-	-
		IIITDM - Kancheepuram		
2018	Dr. S. Kanmani	GIAN Course on Bacterial studies at NIT, Trichy	-	4000
2018	Ms. V. Kalaivani	STTP on recent advancement in water resource Environmental Engg. in IIT, Indore	-	5000
2018	Dr. A. K. Priya	STTP on recent advancement in water resource Environmental Engg. in IIT, Indore	-	5000
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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)
No Data Entered/Not Applicable !!!						
[View File](#)						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
[View File](#)				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
No Data Entered/Not Applicable !!!			

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Teaching - Group Insurance, subsidized transport, sponsorship of	Non teaching - Group Insurance, subsidized transport, on-duty for	Students - Merit scholarship, Group Insurance, on-duty for

registration fee for participating in conference/seminar and FDP, rewards for publications, staff quarters and on-duty for research	pursuing higher studies and sponsorship for training programmes	participating in conference/seminar, sponsorship for participating in technical event/competitions and special training for competitive examinations.

6.4 – Financial Management and Resource Mobilization

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

The Institution has qualified Chartered Accountants to oversee the financial transactions. Audits are conducted on regular interval. They also carry out Internal audits and ensure that all the procedures and guidelines set by the management are strictly adhered while carrying out the transactions. Audit reports are shared with the respective department once audit is over and they raise action taken report for the items need proposed plan for improvement and the action report should be submitted to IQAC within 7 days. Subsequent action will be taken on the process. Concurrent audits are conducted by the audit team of the institution and report is submitted to the Chartered Accountant appointed by the Management. Budget committee is responsible for preparing the yearly budget of the institution after consulting with the various departments, committee, clubs and getting budget approval from the Management. Once the budget is approved and the approved budget will be shared with the departments and on regular interval the budget committee will audit the department for the effective utilization of the fund allotted. Annual audit is conducted by the chartered accountant appointed by the Management and the report is submitted to the Governing Council for further action.

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
No Data Entered/Not Applicable !!!		
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6.4.3 – Total corpus fund generated

71322000

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	Yes	Nil	Yes	IQAC
Administrative	Yes	Nil	Yes	IQAC

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

A Mentor-Mentee system is followed to ascertain the progress of every student. Each mentor is allocated twenty mentees, who understands them completely by maintaining a rapport with the parents and grooms them holistically. The mentor also monitors the performance of the students in examinations (internal and university scores) and communicates the attendance of the mentees to their parents. Mentors will be in regular touch with the parents of their respective mentees over the phone/letter communication to provide sensible support at

times of poor performance in academics or any disciplinary issues. Parent - Teacher meeting is conducted by the respective department every semester after the publication of university results to discuss about the progress of their ward in academics and extracurricular activities. Parents are informed to meet the mentor and subject faculties to discuss the performance of their wards after every internal examination. Parents are at free will to contact the mentor and the respective Head of the Department for any clarification or requirement. Feedback obtained from the parents about their wards and the facilities provided at the Institute level helps to assess and improve the overall quality of education.

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

1. Hardware, Software and Maintenance 2. Training on MATLAB 3. Assembling and Servicing

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

1. Industry institute interaction 2. Research and Consultancy activities 3. Skill based training for the students

6.5.5 – Internal Quality Assurance System Details

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

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	Scientific educational practices	09/06/2018	09/06/2018	09/06/2018	152
2019	Adherence to quality –Areas of improvements	04/01/2019	04/01/2019	04/01/2019	168
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Speech on Women Empowerment/ Competition	12/07/2018	12/07/2018	75	Nill
Health Awareness Programme	19/01/2019	19/01/2019	200	Nill

Women's Day Celebration	08/03/2019	08/03/2019	350	Nill
Inspire1.0 /Motivational speech	22/11/2019	22/11/2019	150	150

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

Percentage of power requirement of the College met by the renewable energy sources • 35 Power Requirement met Solar On-grid System. 20 KW Solar Power Plant Has been Installed • College hostel hot water requirement for bathing has been met fully by Solar water Heater • A sewage Treatment Plant Has been Installed at College Campus, the treated water is been used for watering the lawn. • Separate segregation of plastic and paper waste have been practiced in the Institution • 5S standards have been practices to keep the environment clean and neat. Energy Conservation • All the class rooms are very well ventilated with sufficient lighting, which helps in avoiding the use of fans and lights most of the times. • Implementation of 5S helps all students and faculty members to identify the lights and fans with respect to their switches. • Students/Faculty are advised to switch off Lights and Fans when not required. • Awareness programs are conducted for both faculty and students on the need for energy Conservation through NCC and Energy club(ENSAV). • Energy Audits are conducted to monitor and streamline electric power consumption. • CFL bulbs are being replaced with LED bulbs to save electricity. • Electronic chokes are used in tube lights to reduce electricity consumption. • Star rated electrical equipment such as air conditioners and water heaters are used to save on electricity consumption. • All buses have been fitted with speed governors to maintain optimum speed and to save fuel. • Water Level Indicators have been installed to automatically switch on/off the motor to save electricity and also to avoid over flowing of water from the tanks. Use of renewable energy • Solar Water Heaters are used in the Hostels and Canteen. • Bio-Gas Plant provides required gas for cooking food in the Hostels and Amenity Centre. • SECE is in the process of installing wind mill in its campus – the feasibility study for the same has been completed. • Awareness programmes are conducted on the need to use renewable energy as much as possible.

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	Nill	1	15/08/2018	1	Independence Day	Social Activity	350
2018	1	1	20/09/2018	2	Maintenance work at Siddha puthur Govt School	Social Activity	60
2018	1	1	08/09/2018	1	Tree plantation	Social Activity	60
2018	Nill	1	13/11/2018	1	Fire and Safety programme	Social Activity	120
2019	1	1	23/11/2019	1	Cyclone relief camp	Social Activity	50
2018	1	1	02/12/2018	1	Mini marathon with a motto"Go Green Live Green"	Social Activity	2500
2019	1	1	16/02/2019	1	Helmet Awareness	Social Activity	200
2019	Nill	1	12/01/2019	1	Pongal Day Celebration	Social Activity	800
2019	Nill	1	26/01/2019	1	Republic Day	Social Activity	200

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

Title	Date of publication	Follow up(max 100 words)
Handbook	25/05/2018	Handbook is issued to the students at the time of admission
Academic Calendar 2018-19 for all students	18/05/2018	Two academic calendar released for the odd and even semester each, details such as regular class, Internal

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Celebration of Independence Day	15/08/2018	15/08/2018	350
Celebration of Teachers Day	05/09/2018	05/09/2018	2150
KPR Mini Marathon 2018	02/12/2018	02/12/2018	2500
Pongal Celebration	12/01/2019	12/01/2019	800
Celebration of Republic Day	26/01/2019	26/01/2019	200

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

More than 1,25,000 trees are planted in the campus and groomed organically Rain water harvesting system throughout the campus Efficient waste disposal system in hostel and academic blocks Solar panels in hostels/academic blocks Reuse of recycled waste water for greenery development Bio gas plant Sewage treatment plant

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

The list of innovations and best practices are presented as given below and the key innovations are elaborately presented 1. Innovations in Academics - Quality Circle in Classes, Assessment Camps, Posters Gallery walk, Peer to Peer learning, Word Puzzle, etc., 2. Centre for Research established in the Department of Civil Engineering, Department of Computer Science Engineering, Department of Electronics and Communication Engineering, Department of Mechanical Engineering, Department of Physics and Department of Chemistry have accommodated 27 research scholars to carry-out their research 3. Intellectual Property Rights (IPR) cell has filed 16 Patents and 2 Copyrights from the institute, out of which 12 patents have been published and 2 copyrights have been approved 4. There are nearly 7 project proposals submitted to external funding agencies 5. Industry Interaction with many industries in the state had facilitated internship and in-plant training to students and faculty to provide technical support for carrying out projects and Product Development 6. Interdisciplinary projects, workshops, value added courses and add-on courses are conducted for the welfare of students and members of the faculty 7. Guest Lectures by industrial experts are arranged for faculty and students periodically 8. Alumni of KPRIET conducted Sports Q a platform for alumni interactions with the society 9. Feedback from alumni is collected periodically for the improvement process. Action plan is proposed based on the feedback to perform better 10. The number of publications and patents increased as students

and faculty members started exploring project/case study/problem based and experiential learning 11. The Rotaract, Eco, Nanal, RRC, YRC and NSS clubs had conducted many events related to environmental protection, drug abuse, misuse of technologies and ethics and values 12. The institution planted more than 1,25,000 saplings during the year 2018-2019 13. Green campus initiatives and forums had organised several programmes on societal issues like cleanup drive, organic gardening, street plays

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.kpriet.ac.in/accreditation/naac/best-practices

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

1. SWOC analysis Strength • State-of-the-art academic environment • Well planned content delivery with student centric learning environment • Benchmarking results Weakness • Limited academic flexibility to cater needs of industry • Limited research grants from external funding agencies Opportunities • Utilizing E-learning resources and improving skills through real time projects • Facilitating global exposure and engaging with reputed institutions Challenges • Effective engagement of students faculty and time frame hurdles • Changing policies, demand by industries and volume of institutions 2. Institute Recognition • The institute has scored 30.087 as NIRF score. • The institute is DSIR certified. • The institute is certified with ISO 9001:2015 and ISO 14001:2015. 3. Recognized Academic Partners • NASSCOM. • Confederation of Indian Industries (CII). • ICT Academy of Tamil Nadu (ICTACT). • ICTACT – Youth Circle. • Centre for Development of Advanced Computing (CDAC) 4. Institute Achievements • ICTACT – Best Practices Award. • Microsoft Campus Award. • Member - GEDC/IFEES, USA. • Nodal Centre - Tamil Nadu Science Forum Activities. • ISTE – Best Chapter Award. • Oracle Academy – Training Centre. • Award of Excellence – National Rural People Welfare and Development Trust 5. Institute rating • The institute is certified with A Grade by NAAC at National level. 6. Faculty Recognition / Achievements • Journal Publication of faculty members in 2018-19 were 86 • About 162 faculty members presented papers in International and National journals. • 8 Faculty at KPR Institute of Engineering and Technology were called as Guests to deliver lecturers at various institutes. 7. Student Recognition / Achievements • Students completed 168 projects • Students presented 206 papers • Students have attended 238 technical events • Students participated in sports events and won 182 medal and certificates. 8. Quality Assurance Initiatives Impact Internal Quality Assurance Cell (IQAC) • Improves the academic and administrative performance. • Promotes quality enhancement through best practices. Quality Circle Forum of India (QCFI) • To bring in quality circle concepts from the industry and bridge the industry- institute gap. Centre for Knowledge Upgradation in Technical Education (C – KUTE) • Promotes research and facilitate exchange programmes with industry. • Establishment of various centers of excellence. KPR – IPR Cell • Facilitates prior art search, patent drafting and filing and commercialization analysis. • Creates awareness about IPR activities among the research scholars and industry personnel. KPR Staff Training Academy • Recognizes the industry needs and offers training courses to the members of faculty. • Organizes training programmes for management representatives and senior academicians. • Conducts orientation programme for incumbent faculty. • Offers skill based training to technical assistants.

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

Based on the recommendation given by the Governing Council Members the following future plan were devised and action plan to implement the same has also been devised: ? The college has completed 10 year of existence and have also obtained NBA and NAAC certification, so the college is attaining the attain autonomous status after getting necessary certificates from the affiliating bodies ? NIRF Ranking: College has been ranked in 151-200 band in the NIRF 2017, so it has been decided that the college should aim for NIRF Ranking within 100 ranks ? Getting research funding from funding agencies ? Improving the research and consultancy activities ? There is lot of scope for establishing incubation center with the state or the central government agencies and incubating a countable number of startups in the center ? MoUs with more foreign universities can be taken forward for the benefit of the students and faculty members in terms of student and faculty exchange program, collaborative research program, educational visit and other academic verticals ? Strengthening the infrastructure facilities and support system ? Plan to enhance EDC and IIPC activities to facilitate the students and faculty members to expose to the industry skills ? Improving the teaching learning process by introducing new teaching pedagogies ? Conducting career support system for the students