



Yearly Status Report - 2019-2020

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.M.Akila
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					
Autonomous Status (Provide date of Conformant of Autonomous Status)	05-Aug-2019				
Type of Institution	Co-education				
Location	Rural				
Financial Status	private				
Name of the IQAC co-ordinator/Director	Dr. J. Karpagam				
Phone no/Alternate Phone no.	04222635600				
Mobile no.	9688999111				
Registered Email	iqac@kpriet.ac.in				
Alternate Email	rasc.head@kpriet.ac.in				
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)	https://kpriet.ac.in/accreditation/naac				
4. Whether Academic Calendar prepared during the year	Yes				
if yes, whether it is uploaded in the institutional website: Weblink :	https://kpriet.ac.in/accreditation/naac/ayc				
5. Accrediation Details					
				Validity	
Cycle	Grade	CGPA	Year of Accrediation	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	

Common template for Course plan, Internal Test Question Paper and Rubrics for CBCS system	04-Nov-2019 1	200
IQAC Meeting	17-Oct-2019 1	15
OBE Software demo session for HoDs and NBA /NAAC Coordinators	06-Sep-2019 1	35
Awareness Programme on Preparation of Compliance Report Preparation	09-Aug-2019 1	110
View File		

8. Provide the list of Special Status conferred 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
EEE	Workshop	CSIR	2020 2	30000
ECE	Seminar	AERB	2019 2	25000
EEE	STTP	AICTE	2019 7	336666
CIVIL	Workshop	DST SERB	2019 1	75000
ECE	SRP	TNSCST	2019 180	7500
View File				

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)

- The college is one among the top 100 Institutions to receive participation certificate.

- Students are motivated to undergo internship and also participate in Smart India Hackathon competitions.

- Faculty members have been motivated and facilitated to attend faculty development training programmes and workshops in reputed organizations with financial support.

- Enhancement of Teaching Learning process for improved learning outcomes.

- Participation in NIRF ranking and other competitions.

No Files Uploaded !!!

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

Plan of Action	Achievements/Outcomes
Motivating faculty members to publish the research articles in high impact factor journals.	103 papers have been published in national and International journals with the impact factor ranging From 0.5 to 7.5 in the academic year 2019-2020.
Organizing conference / workshops / FDP in every academic year.	All the departments have organised workshop / seminar/ STTP and FDP through the grants received from AICTE, CSIR and DST etc.
Encouraging students for participation in co-curricular activities	Many students participated in symposia, seminars, conferences and workshops during the academic year 2019-2020.
Strengthening of Placement training	Career development cell organizes various training sessions for the benefit of the students to achieve better placement with higher package.
View File	

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Academic Council Meeting	25-Feb-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to

Yes

assess the functioning ?	
Date of Visit	14-Feb-2020
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 description and a list of modules currently operational (maximum 500 words)	<p>The college is having a full fledged Management Information System for administrative activities like Controller of Examination section, Fee Collection, Hostel Management and Academic activities like econtent management and elearning facilities. The Campus Management Software also used for activities like library transactions, faculty and students database, leave application, hostel and transport details. The software can be accessed in both web portal and mobile version. Individual staff login and student login are provided for assessing data easily. The following features are available in the ERP module.</p> <ul style="list-style-type: none"> • Examination module shall manage and control all information including courses, time table, syllabus, course plan, faculty/mentor allotment, internal test schedule and marks. • Attendance tracking and management of the students is another important feature in the ERP software. The software has a separate module for managing the admission details of the students. • The HR module manages the complete database of staff members. The staff attendance is generated on day to day basis based on the bio metric report. The staff members can also apply for leave through the ERP module. • Online web portal is provided to facilitate students related matters like payment of college fees, hostel fees and transport fees. • Fully automated ILMS software that helps in the complete automation of library for managing Library book transactions by staff and students. A separate module

for hostel and transport management is also available in the software. Tiger App is used for bus route tracking which is very much useful for the faculty members and students.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	121	Biomedical Engineering	24/08/2019
BTech	203	Chemical Engineering	26/08/2019
BE	103	Civil Engineering	28/08/2019
BE	104	Computer Science and Engineering	28/08/2019
BE	105	Electrical and Electronics Engineering	28/08/2019
BE	106	Electronics and Communication Engineering	27/08/2019
BE	114	Mechanical Engineering	27/08/2019

[View File](#)

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Biomedical Engineering	24/06/2019	HS8381- Interpersonal Skill/Listening Speaking, BM8612 -Mini Project, HS8581 -Professional Communication	24/06/2019
BTech	Chemical Engineering	24/06/2019	HS8581-Professional communication	24/06/2019

[View File](#)

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil

No file uploaded.

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Biomedical Engineering	24/08/2019
BTech	Chemical Engineering	26/08/2019
BE	Civil Engineering	28/08/2019
BE	Computer Science and Engineering	28/08/2019
BE	Electrical and Electronics Engineering	28/08/2019
BE	Electronics and Communication Engineering	27/08/2019
BE	Mechanical Engineering	27/08/2019
ME	CAD/CAM	27/08/2019
ME	Computer Science and Engineering	28/08/2019
ME	Structural Engineering	28/08/2019
ME	VLSI Design	27/08/2019

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
Hardware and Arduino Programming	01/06/2019	34
Basics of LabVIEW	10/06/2019	21
Android App Development for Biomedical Engineers	10/06/2019	41
Basics of CAD for Biomedical Engineers	10/06/2019	22
Modern Electrical Simulation Tools	10/06/2019	107
CST Microwave Studio Suite	13/06/2019	31
RHCSA International Certification (REDHAT)	26/08/2019	29
Heating ventilation and Air conditioning (HVAC)	11/11/2019	25
View File		

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	Biomedical Engineering	75
BTech	Chemical Engineering	15

BE	Civil Engineering	335
BE	Computer Science and Engineering	107
BE	Electrical and Electronics Engineering	249
BE	Electronics and Communication Engineering	149
BE	Mechanical Engineering	279
No file uploaded.		

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
<p>Inorder to strengthen the functioning of the institute, valuable suggestions/comments are being received from various stakeholders like students, industry experts, alumni, parents, employers and also outstanding academicians to upgrade the curriculum and syllabi, Teaching and learning, industry-institute interaction regularly. The feedback from students is received through online mode and the suggestions are incorporated for improving the teaching learning process, adequacy of academic infrastructure and improving the employability skills. Class committee meet are conducted regularly with the student representatives to discuss their issues related to academic and non-academic activities. The same will be discussed with the higher officials and the remedial actions are initiated immediately based on the merits of the issue. The course end survey and exit survey are considered for the overall improvement of the programme which includes changes in curriculum design, training and placement activities. Feedbacks are received from the faculty members for the syllabus revision, establishment of vision, mission, defining PSOs and PEOs for the curriculum enrichment. It is compiled and communicated to the BOS members for the revision. The formalized interactions taking place in the Board of Studies, Academic Council and Governing Body meetings also pave way for updating the curriculum, syllabi and overall development of the institute. The Board of Studies and Academic Council have representatives from the industry and alumni, apart from academic experts. These forums provide ample opportunities for effective deliberations in designing the academic programme and in updating the curriculum and the syllabi. Feedback obtained from employers helps to bridge the curricular gaps and to introduce new electives offered by industry. Industry experts suggest topics for Industry oriented guest lectures, one credit courses, workshops and training programs including Value Added Courses, project internship and recruitment They also provide feedback and suggestions on one credit courses and latest topics to be included in the program. Feedback from alumni provides impact on teaching-learning process and employability skills. They suggest topics for training programs, value added courses and latest topics to be included in the program to improve employability skills. The suggestions</p>

received from parents during parent teachers meetings are considered for amendment in the program. The parents expect their wards to acquire good professional career and higher education or entrepreneurship. Thus feedback provides opportunity to students and other stakeholders to actively participate in the improvement of programs of study. It thereby improves the quality of students learning experiences and also gives the institution a 360 degree view point to overall improve their curriculum planning and delivery as per the expectations of the stakeholders.

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	VLSI Design	18	10	3
ME	Structural Engineering	18	15	7
ME	Computer Science and Engineering	18	7	1
BE	Mechanical Engineering	180	110	88
BE	Electronics and Communication Engineering	180	158	136
BE	Electrical and Electronics Engineering	120	89	67
BE	Computer Science and Engineering	180	230	179
BE	Civil Engineering	120	120	52
BE	Chemical Engineering	60	45	33
BE	Biomedical Engineering	60	47	47

No file uploaded.

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2694	23	164	2	35

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
201	201	201	70	10	201
No file uploaded.					
No file uploaded.					

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

- A well structured mentoring system for all the students
- Each faculty member is assigned with 15-20 mentees
- The mentors will continue to guide the same students throughout their period of study to the maximum possible extent
- Mentors will follow up the mentees meticulously for their curricular and co-curricular activities
- Monitoring of mentees will be periodically progressed to motivate them for the participations in various competitions
- Progress of individual mentee will be discussed and reviewed once in a fortnight and motivate suitably according to the need of a student
- All the achievements in curricular and co-curricular activities are recorded and due recognition is given
- Parents will be appraised about their ward's progress and achievements periodically
- The slow learners will be motivated for higher targets to excel in their skill sets and domain specific talents
- The awareness and guidance will be given regarding various opportunities available for job, higher studies, service exams and also to become entrepreneur
- Industry and alumni connect are arranged regularly
- Based on the interest of mentees they will be continuously encouraged to take up leadership roles in inter and intra department activities and at institute level events
- Under the autonomous CBCS system, mentees are provided with the inputs for the selection of professional electives, open electives and NPTEL or MOOCS
- Mentees are encouraged to take up capstone, mini and major projects based on their area of interest

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2717	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
201	201	Nil	53	64

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. S. Sree Niranjanaa Bose	Assistant Professor	Elite with Silver Certification on Digital Image Processing by NPTEL
2019	Ms.R.Kavitha	Assistant Professor	Topper 1 with Elite and Gold Certification on Reinforced Concrete Structures Course by NPTEL
2019	Mr.R.Saravanakumar	Assistant Professor	Elite and Silver Certification on

			Reinforced Concrete Structures Course by NPTEL
2019	Dr.V.Kumar Chinnaiyan	Professor	IEEE Students Branch Appreciation, IEEE Madras Section
2019	Dr.J.Karpagam	Professor	Outstanding Performance in the Hardware Design Contest, National Institute of Technology, Calicut
2019	Dr.R.Uthirasamy	Associate Professor	Elite Certification on Introduction to Smart Grid Course by NPTEL
2019	Ms.V.J.Vijayalakshmi	Assistant Professor	Top Performing Mentor in NPTEL
2019	Mrs. R. Mohanabharathy	Assistant Professor	Certificate of Appreciation from Texas Instruments
2020	Dr. S.Kanmani	Associate Professor	Best faculty mentor in innoWAH project contest from IIT PALS
Nil	Dr.D. Balaji	Assistant Professor	Distinguished researchers from Green Thinkerz
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	104	V/III	31/10/2019	13/01/2020
BE	104	III/II	31/10/2019	13/01/2020
BE	103	I/I	14/11/2019	13/01/2020
BE	121	V/III	31/10/2019	13/01/2020
BE	121	I/I	14/12/2019	13/01/2020
BE	121	III/II	31/10/2019	13/01/2020
BE	103	III/II	31/10/2019	13/01/2020
BE	103	V/III	31/10/2019	13/01/2020
BE	103	VII/IV	31/10/2019	13/01/2020
BE	104	I/I	14/12/2019	13/01/2020

[View File](#)

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nil	2704	0

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://kpriet.ac.in/accreditation/naac/po>

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
419	ME	VLSI Design	2	2	100
413	ME	Structural Engineering	10	10	100
114	BE	Mechanical Engineering	190	188	98.94
106	BE	Electronics and Communication Engineering	115	114	99.13
105	BE	Electrical and Electronics Engineering	103	103	100
104	BE	Computer Science and Engineering	118	116	98.30
103	BE	Civil Engineering	135	134	99.25

No file uploaded.

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/student-satisfaction-survey-report\(19-20\).pdf](https://www.kpriet.ac.in/pdf/naac/student-satisfaction-survey-report(19-20).pdf)

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes

Name of the teacher getting seed money

Mrs. B. S. Meenalakshmi

[View File](#)

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Mrs. B. S. Meenakshi	Special and Commendable contribution Award from Maha Cement and Buildersline Magazine	04/10/2020	Maha Cement and Buildersline
International	Dr. N. Yuvaraj	Postdoctoral Researcher	01/11/2019	Kyungil University, South Korea

No file uploaded.

3.2 – Resource Mobilization for Research

3.2.1 – 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
Students Research Projects (Other than compulsory by the University)	182	TNSCST	0.07	0.07
Projects sponsored by the University	182	KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY	1	1
Industry sponsored Projects	30	M/s. Salzar Industries pvt.ltd, Coimbatore, TN, India	0.12	0.12
Major Projects	1095	SERB-DST	25.75	5.5

[View File](#)

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

7

3.3 – Innovation Ecosystem

3.3.1 – 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
National Exhibition on Science and Technology - 2019	KPRIET	28/06/2019
Employability Skills for IT Industry	Computer Science and Engineering	11/07/2019
Engineers Responsibilities in creating technology for society	Computer Science and Engineering	18/07/2019
Recent Advancement in Automation and Industrial Revolution V4.0	Electrical and Electronics Engineering	19/07/2019
Seminar on Skill set Demands in IT industries	Electronics and Communication Engineering	20/07/2019
View File		

3.3.2 – 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
Smart Garbage	T.Janani	KSB Limited, Coimbatore	04/08/2019	Project Expo - 2nd Prize
Smart Garbage	S.Dhivya	KSB Limited, Coimbatore	04/08/2019	Project Expo - 2nd Prize
Smart Garbage	R.Aishwarya	KSB Limited, Coimbatore	04/08/2019	Project Expo - 2nd Prize
Multipurpose solar crop drier using PCM	Dr.P.Manojkumar	Codissia, Coimbatore	31/08/2019	Project Expo - 1st Prize
View File				

3.3.3 – 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
Incubation Centre	KPI Skill Development Centre	KPI Healthcare Pvt. Ltd.	KPI Skill Development Centre	Healthcare	01/06/2019
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Civil Engineering	2
Computer Science and Engineering	1
Electrical and Electronics Engineering	1
Electronics and Communication	1

Engineering	
Mechanical Engineering	1
Science and Humanities	5

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Biomedical Engineering	2	0.7
International	Civil Engineering	13	4.6
International	Computer Science and Engineering	7	2.19
International	Electrical and Electronics Engineering	28	0.5
International	Electronics and Communication Engineering	23	0.5
International	Mechanical Engineering	24	1.91
International	Science and Humanities	6	3.47
No file uploaded.			

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

Department	Number of Publication
Science and Humanities	2
Mechanical Engineering	2
Electronics and Communication Engineering	2
Electrical and Electronics Engineering	2
Computer Science and Engineering	3
Civil Engineering	3
No file uploaded.	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Ergonomic western closet support with health benefits	Published	201941030670	30/07/2019
Smart Amphiglass for Amblyopia	Published	201941030667	09/08/2019
E-Waste Synthesis and Additive for versatile product	Published	201941038834	26/09/2019

development			
Leg-navigated vehicle for physically challenged people	Published	201941038835	26/09/2019
View File			

3.4.5 – 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
Preparation and Characterization of Goat Hoof Keratin/Gelatin/Sodium Alginate Base Biofilm for Tissue Engineering Application	M. Swathy, S. Logesh Kumar, S. Anandhavelu	Integrated Ferroelectrics	2019	0	Department of Biomedical Engineering, KPR Institute of Engineering and Technology	Nil
Modified adaptive neuro-fuzzy inference system (M-ANFIS) based multi-disease analysis of healthcare Big Data	K. Vidhya	Journal of Supercomputing	2020	2	Department of Computer Science and Engineering, KPR Institute of Engineering and Technology	2
An IoT Based Gradient Descent Approach for Precision Crop Suggestion using MLP	Dr.N.Yuvraj	Journal of Physics: Conference Series	2019	1	Department of Computer Science and Engineering, KPR Institute of Engineering and Technology	1
Enhanced Pedestrian detection using	K. R. Sri Preethaa	Journal of Soft Computing	2020	1	Department of Computer	1

Optimized Deep Convolution Neural Network for Smart Building Surveillance					Science and Engineering, KPR Institute of Engineering and Technology	
Investigation of a binary eutectic mixture of Phase change material for building Integrated Photovoltaic modules	A. Karthick	Solar Energy Materials and Solar Cells, Elsevier	2020	11	Department of EEE, KPR Institute of Engineering and Technology	3
View File						

3.4.6 – 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
Experimental investigations on thermal properties of nano-SiO ₂ /paraffin phase change material (PCM) for solar thermal energy storage applications	P. Manoj Kumar, P. T. Saravankumar	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2019	2	3	KPR Institute of Engineering and Technology
Experimental Validation of Solar Photovoltaic based Unified Power Quality Conditioner with	A. Gowrishankar	Journal of Testing and Evaluation	2020	1	2	KPR Institute of Engineering and Technology

Modified Power Angle Control Scheme						
Machine learning based secure data analyzing for FPGA based solar PV fed speed control of brushless DC motor using versatile threshold optimization technique	G. Saravanan	International Journal of Wavelets, Multi resolution and Information Processing, World Scientific Publishing Company	2019	2	Nil	KPR Institute of Engineering and Technology
Intelligent Transportation Cyber-Physical System: On Crowd through Event Detection for Public Urban Transportation	R. Sivar amakrishna n, K. Vishnu Kumar	International Journal of Recent Technology and Engineering	2019	15	Nil	KPR Institute of Engineering and Technology
HACRP: A Resource Monitoring and Provisioning Framework for Cloud Applications	V. Sakthivel	Applied Mathematics Information Sciences	2019	35	Nil	KPR Institute of Engineering and Technology

[View File](#)

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	88	254	11	70
Presented papers	48	37	Nil	Nil
Resource	3	20	2	10

persons

No file uploaded.

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering	Cube Testing	Srihari Builders	450
Civil Engineering	Cube Testing	Vee Dee Construction	450
Civil Engineering	Cube Testing	Sakthivel Murugan Construction	300
Computer Science and Engineering	Determination of Barriers in Medication Adherence for Secondary Prevention in Stroke Patients And Implementation of a Suitable Tool (Mobile Application) to Overcome Them	PSG College of Pharmacy	5000
Electrical and Electronics Engineering	Power Quality Audit and PG Test	CMRL, Chennai	4000

[View File](#)

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr.M.G.Sumithra, Mr.V.Chandran	NVDIA Certified Training	SRM Institute of Science and Technology	15000	100
Dr.M.G.Sumithra, Mr.V.Chandran	NVDIA Certified Training	Hindusthan Institute of Technology and Science, Chennai	30000	100
Dr.M.G.Sumithra, Mr.V.Chandran	NVDIA Certified Training	Sanskriti School of Engineering, Puttaparthi	25000	100

No file uploaded.

3.6 – Extension Activities

3.6.1 – 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	Number of students participated in such
-------------------------	--	---	---

		activities	activities
One day seminar on "Air Quality and transportation challenges in metro cities"	KPRIET	23	100
One Eye donation can make two blind people see	Rotary Rainbow Club and Aravind Eye Hospital	3	70
Rare Blood Group Identification Awareness Program	Rotaract Club - KPRIET	2	7
View File			

3.6.2 – 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
ICI Student Chapter	Best Chapter Award	ICI	20
IEEE Student Branch	Certification of Appreciation	IEEE	600
No file uploaded.			

3.6.3 – 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
Gender Issue	Aram Foundation	Awareness on Child Abuse and Self Defense	30	100
Awareness program	KPRIET with Lions Club	Road Safety Awareness Program	15	20
Cancer Awareness	Royal Care Super Speciality Hospital	Breast Cancer Awareness Programme	58	618
AIDS Awareness	Institute of Oncology, Royal Care Super Speciality Hospital	Human Ribbon Formation	25	100
View File				

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Journal Publication	Mr. P. Allwyn Gnanadas	KPRIET	30

Journal Publication	Mr. P. Srithar	KPRIET	120
Journal Publication	Ms. K. R. Sri Preethaa	KPRIET	120
Journal Publication	Ms. K. Vidhya	KPRIET	180
View File			

3.7.2 – 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
Internship	Manufacturing	Amaravathy cooperative sugar factory	27/05/2019	04/06/2019	1
Internship	IT	Unique Technology	24/05/2019	28/05/2019	5
Internship	Training	Sunshive Electronics Pvt Ltd., Coimbatore	03/06/2019	07/06/2019	11
Internship	Engineering	Southern Railways Signal and Telecommunication Workshop	12/02/2019	12/07/2019	3
Industrial Project	Design	Power Projects	10/01/2019	08/03/2019	4
View File					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Builders Association of India	29/05/2019	•Participation as judge in workshop and symposium conducted by college	2
Royal Care Super Specialty Hospital, Coimbatore	13/06/2019	•To offer field visits, industrial exposure to students	120
Cindan	22/09/2019	•Student Faculty	55

Technologies		projects •Internships •Skill Development	
EMURGO Ignitive Lab, Bangalore	27/11/2019	•To establish Center of Excellence •Faculty Training •Student Training •Student Internship •Student Placement	75
View File			

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
140	138.72

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Campus Management Software (CMS)	Fully	2020	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	23358	6897468	867	376294	24225	7273762
Reference Books	1844	1000930	24	14846	1868	1015776
e-Books	296	Nil	108	613840	404	613840
Journals	130	280755	124	264580	254	545335
e-Journals	309	647141	309	687262	618	1334403
View File						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under

Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr.V.Chandra Prasad	Introduction to Antenna parameters - Radiation from an antenna	Learning Management System	18/07/2019
Mr.V.Chandra Prasad	Frequency vs Antenna Dimension	Learning Management System	22/08/2019
Ms.D.Sudarvizhi	Number Systems Binary Codes- Applications	Learning Management System	09/10/2019

[View File](#)

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	820	11	820	1	2	1	7	100	0
Added	0	2	0	0	1	0	0	400	0
Total	820	13	820	1	3	1	7	500	0

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

500 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
Centre For Teaching, Innovation and Excellence (CFTIE)	http://don.kpriet.ac.in/moodle/

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
210	200.34	23	20

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)

Laboratory : The laboratories are updated with equipment and latest facilities to meet the curriculum and research requirements. The facilities are maintained in working status contiguous spaces that include wet laboratories, computer laboratories, instruments write up spaces, office areas and other spaces with varying degree of chemical and hazards, systematic preventive and planned maintenance schedules and strictly adhered. Stock and maintenance

registers are maintained in each laboratory and are audited periodically every year. Faults identified by the lab incharge / lab technicians are rectified by trained technicians with the approval of the HoD /Principal. Maintenance expenditures are met through the funds approved by the management as and when required. The safety gadgets like fire extinguishers have been installed at all required places and first aid kits are kept in strategic positions as also all equipments have been carefully inspected for wear or deteriorates. Library :

The library facilities are strengthened every year through continuous procurement. The procurement process includes the mechanism by obtaining feedback from the departments and the faculty members on purchase of titles and volumes of the books. The library utilization chart is prepared once in a week and the best library user in student category is recognized during Annual day.

An exclusive journal section is functioning in the library to support the faculty and the students for undertaking projects and research. Subscriptions are made for journals and magazines every year. Digital resources like online journals, NPTEL lectures, DELNET and subject CDRoms are also maintained for the use. Annual Stock verification of library books is being conducted regularly.

Sports Centre : An excellent infrastructure for sports and games are provided in the campus. The facilities maintained include synthetic shuttle courts, badminton courts, concrete basketball courts, football field, volley ball courts and athletic track and a fitness center.. The sports facilities are well maintained for conducting selection trials of students to participate in the various tournaments, coaching and the conduct of intramural tournaments. The department maintains the stock and service register of the all the equipment.

Computers : The institute has a separate ITSIM wing to maintain the computers and internet facility. System maintenance team comprising of Professor Incharge, System Administrator and a strong technical team are available to maintain the systems in the campus. Periodical maintenance work is being followed as per the schedule. Computing facilities are upgraded regularly and connected with campus wide network.

Class Rooms : Adequately spaced class rooms are provided with Black boards, LCD projectors that supports various modes of delivery methods. Administrative officer and his team maintain and ensure the cleanliness of the classrooms. Support Facilities : A fully functional health center with a doctor and a residential nurse is in place to offer medical care for minor ailments and first aid. Ambulance service is available in the campus.

The Administrative officer oversees the maintenance of the buildings, class rooms and laboratories. Electrical maintenance covers all aspects of testing, monitoring, fixing and replacement of electrical component/system.

<https://www.kpriet.ac.in/pdf/naac/procedures-policies.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management Scholarship for Meritorious students	1555	43631750
Financial Support from Other Sources			
a) National	First Graduate Scholarship (Govt. Scholarship)	880	32329075
b) International	Nil	Nil	Nil

[View File](#)

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Scope of Higher Studies in Abroad	07/09/2019	60	Mr.V.T.Navaneetha Krishnan, PG Scholar, Technische HochschuleDeggendorf, Germany
Personal Counselling and Mentoring	24/06/2019	2693	Inhouse
Yoga and Meditation	20/01/2020	1600	Inhouse
German language training	20/01/2020	56	Inhouse
III- Crash Course on Spoken Hindi	01/02/2020	25	Prarambic Sabha
II- Crash Course on Spoken Hindi	29/07/2019	30	Prarambic Sabha
I- Crash Course on Spoken Hindi	04/01/2019	35	Hin-D-Innovate Zone
Language Proficiency	26/07/2019	1236	Inhouse
Advanced Reading and Writing	18/12/2019	57	Inhouse
Interpersonal Skills/Listening and Speaking	01/07/2019	57	Inhouse

[View File](#)

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Gate Coaching	30	Nil	1	Nil
2019	UPSC coaching	16	Nil	Nil	Nil
2019	Career counselling programs	Nil	2693	Nil	Nil
2019	Company Specific Training	Nil	395	Nil	Nil

2019	Technical Training	Nil	609	Nil	Nil
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
7	7	3

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
116	3821	543	47	1638	151
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.E	Mechanical	University of Duisburg	M.S. (Mechatronics)
2019	1	B.E	EEE	Bharathiar University	M.B.A
2019	1	B.E	EEE	SRM University	M.Tech
2019	1	B.E	ECE	KPR Institute of Engineering and Technology	M.E (VLSI Design)
2019	2	B.E	CSE	Coimbatore Institute of Technology	M.E (CSE)
2019	2	B.E	CSE	University of Stuttgart, Germany	M.S (IT)
2019	6	B.E	Civil Engineering	KPR Institute of Engineering and Technology	M.E (Structural Engineering)
2019	1	B.E	Civil Engineering	NICMAR	M.S (Construction Management)

2019	1	B.E	Civil Engineering	Swinburne University of Technology	M.S (Structural Engineering)
View File					

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

Items	Number of students selected/ qualifying
GATE	1
CAT	1
Civil Services	11
Any Other	6
View File	

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

Activity	Level	Number of Participants
School Education Divisional Level Kho-Kho Selection Trails for Boys Girls [Age Category:- U-14, U-17, U-19]	Divisional	420
Coimbatore District Level Road Skating Selection Trails	District	300
62nd Republic Day Sular Zone Games for (B/G) [Throw Ball (G), Foot Ball (B) Ball Badminton (BG)	Zone	1500
Anna University Chess Tournament for (MW)	University	150
62nd Republic Day Sular Zone Athletic Meet for Boys and Girls	Zone	900
KCL Corporate Staff Cricket Tournament	District	1024
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	CM Trophy	National	1	Nil	71131810 6106	Rithika herin A
2019	3rd Prize	National	Nil	1	19EC049	R.P.Kavi yaSree

2019	State Medalist	National	1	Nil	19CS104	S.Nithin
2019	3rd Prize	National	Nil	1	19EE003	V.Aravind
2019	3rd Prize	National	Nil	1	19EC004	R.Ajay
2019	2nd Prize	National	Nil	1	19EC016	K.Bharathi
View File						

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

The Student Councils organize an array of academic and extracurricular activities, which not only foster the development among students but also cultivate a sense of leadership and discipline. It facilitates several activities and events conducted for the welfare of students that help students shape themselves as professionals with a variety of interpersonal skills.

Academic Council: Academic council is solely responsible for all academic matters, such as framing of academic policy, approval of courses, regulations and syllabi, etc. The council involves faculty and students at all levels and also experts from outside, including representatives from industry. Students represent in Board of Studies and give their suggestions pertaining to curriculum and syllabus. Also they give their feedback in value added courses and employability courses can be offered to the students.

Class Committee Meetings : All programmes have class committee for each class that comprise of student members representing meritorious as well as slow learners, along with faculty member as a chair person nominated by the Head of the Department, other than the course teacher and mentors of the respective class. Class Committee discuss on all aspects of the programme and respective course. Class Committee Meetings are held regularly, at least thrice every semester.

Technical Association/ Professional Societies/ Clubs: Each department have its own technical association and organizes technical events like, symposium, contests and poster design, paper and project presentation. The institution has seventeen professional society chapters at department and institute level such as IEEE, ISTE, IETE, SAE, ICI and BMESI. The club organizes programme on environmental issues and awareness programmes on Unsustainable Development Goals (SDG). Apart from this, the institute has eleven clubs such as Business club, Science club, Quiz club HAM club etc. Each club has student members.

Administrative Committees : Students council has organized two events during this year Ignitron and Saviskara. Ignitron 2020 was a two day national level techno-cultural fest conducted during February 2020, This fest was fully organized by the students of professional societies. Eight workshops, twenty eight technical events and twelve fun events in total were conducted with 637 participants from 87 different engineering colleges. Saviskara is a cultural event which identify and nourish the talents of diverse nature, provide a conducive environment for showcasing potentials and to enhance the creative ability of the young minds for professional and personal growth. Saviskara embodies twenty clubs such as Drama Club, Toast Master Club, Media Club, Thulir Club, Mime Club, etc. The clubs are vibrant with 700 active student members and organized 40 programs during this year. Students from Drama club, Dance club and Mime club participated in an Intercollegiate event and won prizes. The final event Saviskara 2020 was conducted with around 1000 student participants in all the events and made use of the opportunity to exhibit their talents.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Registration No:Coimbatore_SR_332020 • The Alumni association was registered on 07.02.2020 in the day of the Alumni meet. • The Office bearers are President - Mr.S.Jithendra Vice President - Mr.V.Kavinkumar Secretary - Mr.S.Gokulkumar Treasurer - Ms.R.Mohanabarathy, AP/ECE Committee members - Mr. Abdul Rehman and Mr. R. Dhamodaran • All office bearers and members of the executive committee were elected in the annual general body meeting through simple majority of votes. Main objectives of Alumni Association are • To bring the Alumni under one platform for exchange of experience, dissemination of knowledge and talents amongst its members and also for the furtherance of fellowship, advancement of scientific knowledge in general of the members of the Association and country. • To conduct seminars, conferences, workshops, endowment lectures and other academic activities and also to keep in touch with faculty, non-teaching staff and students. • To create and establish Alumni endowments for granting scholarships, prizes and medals to the students with high proficiency in their studies and honor former students of the Institute. • To advise and interact with State and Central Government Bodies, Universities and Associations of other academic institutions on matters relating to promotion of higher education, training and management systems and there by promote the welfare and status of the Institute. • To collect funds by subscriptions, contributions, donations and gifts from members, non-members, Governments, Universities and other institutions and philanthropists for furtherance of the above objectives. • To render scholarship to deserving poor students studying in the Institute. • To render scholarship to deserving alumni in cases of extreme compassionate circumstances. • To bring out magazines, souvenirs and newsletters highlighting the activities of the Institute and its Alumni. • To organize cultural and educational programs and also to conduct such programs. • To conduct Alumni Day celebration every year. • To help the Alumni to get advice from the Institute on various technical problems and job opportunities that they may come across in their work and real life. • To carry out such activities as may be necessary for furthering the above aims and objectives.

5.4.2 – No. of registered Alumni:

1218

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

192000

5.4.4 – Meetings/activities organized by Alumni Association :

The activities organized by Alumni Association includes: • Alumni networking lunch on 17/10/2019 where 30 alumni participated. • Alumni meet 2020 on 08/02/2020 where 376 alumni participated. • Voice of alumni –“Alumni Lecture Series” by alumni of Civil, CSE, EEE, ECE and Mechanical Engineering (8 events conducted) • Batch wise online alumni meet. (21 events conducted) • Events by Alumni in association with music club (62 Alumni participated) • Donation of hand sanitizers, face masks and hand wash at Siddhapudur, Gandhipuram, Coimbatore - ward 53 for frontline workers. (5 alumni participated) • Alumni Webinars - conducted by alumni of Civil, Computer science, EEE, ECE and Mechanical Engineering (21 webinars conducted) • Online alumni meet and interaction with Director and actor R.K.Suresh (274 alumni participated)

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 institutes practices always a well-defined, decentralized, and participative management evolved steadily over a decade of operation. It has a well-designed structure for the smooth execution of academic, finance, general administration, etc... The principal with a team of everyone in the administration takes part in the activities of the institution. The chosen representatives of every department both in statutory and Non-statutory committees cover the gambit of operations and ensures a perfect execution of all activities. Intense entreaties take place in all committees and the suggestions and recommendations of leads of committees who happen to be the senior faculty member are discussed in the academic committee meeting and suitable decisions are taken. Admission strategies, academic activities, administrative process, budget, and general administration are being discussed regularly, the action plans evolved are continuously monitored by the apex team consisting of the principal and the hods. The two major areas which are centralized are (i) The academic regulations, curriculum, and syllabus (ii) Finance related activities including delegation of financial powers

The organization has a holistic approach to curriculum development and syllabus formation. Each HOD, as chairman of the board of studies, draws the expertise from all stakeholders viz... Faculty, industry personal, academic experts, students, and alumni. The regulations, curriculum, and syllabus are dynamic in nature and the HODs with their faculty member is given full freedom to implement changes as and when needed. Need-based one/two-credit courses, liberal arts courses are offered on the recommendations of the HoDs. All essential improvements are carried out at the department level. Each department has the liberty and responsibility to propose and recommend their budget and budgets are approved after a careful discussion. The approved budget can be operated by the department for their recurring and non-recurring expenditure. The imprest money is provided to the heads of every department to meet out all contingency expenditure. The top management comprising, The Chairman and the Board of Trustees review the functioning of the Institution regularly extending their guidance and support.

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
Admission of Students	<ul style="list-style-type: none"> Being an affiliated institution of the Anna University, Chennai, 65 of the approved seats are filled through the government quota. The remaining 35 is filled by the college. In order to attract meritorious students through both the modes of admission the college regularly reaches out to schools by way of conducting special programmes and scholarships are provided to the needy and merit students. Special preference is given to sports and games and best performer are provided with scholarship concession to hostel accommodation and transport
Industry Interaction / Collaboration	<ul style="list-style-type: none"> The back bone of the college is the KPR Group, which finds a place in the fortune 500 list in India. Being an

industry driven Institution, the collaboration of the institution at the college and department level is given top priority. Activities such as guest lectures, Industrial Internships In plant training for students and faculty, Consultancy engagements, Industry projects and MoUs with RD and heading industries are undertaken regularly. This ensures that our faculty and students keep abreast with the latest industry trends. Executive Development programmes are conducted by faculty for the the collaborating companies. The industry institute partnership cell (IIPC) coordinates and monitors these activities.

Human Resource Management

- A transparent HR policy is adopted in the institution which seeks to provide a professional HRM. Equal and fair opportunity to all employees is the motto of the institution. Recruitment for various categories are through advertisements in leading newspapers and websites. Interviews are conducted by a panel of experts as stipulated in the AICTE / University guidelines. An objective performance review system is conducted during mid-year and end of the year. Refresher courses, FDPS and Online courses are encouraged. Incentives to faculty member to excel in their activities are given then and there.

Library, ICT and Physical Infrastructure / Instrumentation

Library: The college library has a collection of over 25,000 books and 124 print journals and several other learning information resources. The e-resources include around 300 journals and 100 books. ICT: The IT Infrastructure includes 800 Number of the computer 14 Number of computer labs and matching number of auxiliary equipment such as printers, scanners etc. The campus is Wi-Fi enabled with an internet connectivity speed of 200 mbps. The ICT infrastructure is effectively used for all academic, research and administration related activities. Physical Infrastructure: The following are the physical infrastructures made available in the institution. • Total buildup area 1,86,560.1 Sq.ft • Number of class rooms 70 • Number of Laboratories 48 • Number of Auditoria, Seminars and Conference halls 04 • Sports ground

area 6,26,173.2 Sq.ft • Indoor stadium 01 • Multi station Gym 01 • Separate hostels for boys and girls 8 • Transport facility 26 buses • Food court and other amenities 04

Research and Development

• A separate center for RD is established in the institution under the guidance of a senior faculty member. Dedicated faculty members exclusively for RD have been identified for quality publications, raising funding proposals and undertaking industrial consultancy. Research infrastructure for such as special laboratories and Centers of Excellence are set up to create research ambience. The college has a well laid policy for providing seed money for projects, providing incentives for publications and research grants received. International and National level conferences are organized regularly.

Examination and Evaluation

• The examination and evaluation process is administrated by the central Examination Cell under the supervision of an experienced Controller of Examination. Three tests followed by an end semester exam are conducted for theory courses. The end semester examination question papers are set by both internal and external experts. The question papers are set as per the revised Blooms Taxonomy guidelines and are reviewed by the respective head of the departments and the IQAC. The answer scripts are evaluated by internal and external examiners. A result passing board consists of the principal, Heads of the Department and a member from Anna University and industry reviews and passes the results. A documented process for redressing any student's grievance is in place.

Teaching and Learning

• Qualified and committed faculty members are the core of our system. State of the art infrastructure viz. Labs, IT, Audio Visual, proto types models are provided. Use of emerging technologies in education is given at most priority for making teaching learning very effective and a pleasant experience. Self-learning, blended learning, ICT based learning are practiced. A well-documented academic process is maintained in the college incorporating all the requisite

	<p>features such as course file, schedule and nature of syllabus delivery, students participation in learning, midcourse review and corrections etc. An audit system is in place for monitoring the process.</p>
Curriculum Development	<ul style="list-style-type: none"> • After the conferment of autonomous status from the year 2019 - 20, the college developed its own Academic Regulations incorporating the best academic practices such as the CBCS, flexible learning open Electives, internship, seminar, liberal arts courses and experiments courses. Boards of studies for each programme is set up with members from Academia, Industry, Faculty Members, Alumni and students. The BoS meetings are announced twice a year and curriculum syllabi are evolved to match the recent trends in the respective domains and Industry. The Academic council which is the apex body chaired by the principal reviews and approves the Regulations and curriculum and syllabi.

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

E-governance area	Details
Planning and Development	<p>The ERP software is installed for to monitor, academic administrative, short term and medium term Financial, Infrastructural and Academic Planning and Development. The preparation of the academic calendar and monitoring of all activities are done online. The budget preparation for the college and expenditure monitoring are carried out through system installed procedures. The short term and medium term expenses on, consumables and non consumables are reviewed and will be approved by the management. The planning and development committee under the chairmanship of the Principal monitors this activity.</p>
Administration	<p>The ERP software is effectively used for monitoring regular day-to-day activities. The timetable viz planning of the Classwise, Facultywise, and Roomwise / Labwise is effectively done using the software. The students and faculty attendance, salary payments, fee payments by the students and payments to vendors are some of the activities which are made online. Academic administration of individual classes and effective supervision of</p>

	<p>students' progression is facilitated using the software. Transport and Hostel Management, Sports Administration, and the activities of various clubs are executed with the help of the software.</p>
<p>Finance and Accounts</p>	<p>The finance and accounts section of the institution uses the ERP software module extensively for operating and managing its accounts. The activities handled are budget preparation approval, monitoring of expenditure, student fee payment, and salary payments for faculty and staff, payment to vendors and suppliers, statutory payments to University, AICTE, and local bodies, etc. Regularly different account statements are generated as a part of MIS to monitor and control the expenditure.</p>
<p>Student Admission and Support</p>	<p>In order to monitor the student admission activity, ERP software module is effectively used. During the admission process through both the government channel and the college channel, data is continuously collected, maintained and updated with respect to the different criteria for admission viz. Cut off marks reservation requirements, consortium test scores, CGPA of lateral entry students, etc. The software is also used for students' support systems such as student database, attendance details, fee payment status and academic progression, etc. All students bonafide certificates, TC, course completion certificates, etc., are issued to students. An alumni database is maintained and updated to ensure close interaction with the former students of the college.</p>
<p>Examination</p>	<p>For the conduct of the Continuous Assessment Tests and End semester Examination, the ERP software module is well deployed by the Exam Cell and the office of the Controller of Examinations. Activities relating to the setting of question papers, generation of Hall Tickets, scheduling and conduct of the tests and examinations for theory and lab courses, evaluations of the answer scripts, publications of results, analysis of the results, and generation of the Grade Sheets are carried out with help of the software. All the</p>

above processes are audited by the IQAC with respect to the adherence of the norms and procedures of the University / College.

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
2019	Mr.K.Siddhart hrajju	ICSDN 2019 Industry conclave keynote conference at Anna University	Nill	3400
2019	Dr.B.Jaishankar	Teaching Learning Pedagogy at IIT Madras, TLC, Chennai	Nill	4500
2019	Dr.M.G.Sumithra Mr.A.Allwyn Gnanadas	Life support and Biomedical devices board, DEBEL, DRDO	Nill	6000
2019	Dr.N.Rajesh Kumar	Socially relevant technical education - exploring coope ration-oriented actions	Nill	45000
2019	Dr.N.Rajesh Kumar	Five-fold moral cultures to enhance successful life	Nill	4000
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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)
2019	How to get DTCP approval	How to get DTCP approval	25/06/2019	25/06/2019	20	4
2019	Valuation	Valuation	05/07/2019	05/07/2019	20	4

	of Land and Building	of Land and Building				
2019	Disaster Management and Mitigation	Disaster Management and Mitigation	12/07/2019	12/07/2019	20	4
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
Recent Trends in Power Electronics Applications in Smart Grid, Electric Vehicles and Renewable Energy	1	17/06/2019	22/06/2019	6
Artificial Intelligence	1	28/08/2019	01/09/2019	5
Teaching Learning Centre	1	16/10/2019	18/10/2019	3
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
201	201	40	40

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Incentives for Research, Consultancy and Publishing Patents • Incentives for text/hand books and Articles in reputed National Newspapers / Magazines • Percentage of share for Funded Research Projects from Govt. Organizations, R D Organizations, Industry, University and approved Non- Govt. organizations. • Seed Money by the Management • Percentage of share for Consultancy Work and 	<ul style="list-style-type: none"> • TA DA allowance for non teaching members For attending self-supported FDP / Workshop / Seminar • Motivation to pursue higher studies and periodical training to improve their skills. 	<ul style="list-style-type: none"> • Medical Insurance. • Scholarship for students belonging to economically weaker sections. • Cash prize and awards for winning accolades in contests and doing innovative projects., product development. • International educational trip/ internship • Student,s welfare committee to cater the needs of the students as well as to get suggestions and feedbacks. • Grievance

Testing services • Half - a day permissible on wedding day and birthday.
 • Sabbatical Leave to the faculty members in order to enable them to update their knowledge and experience. • TA DA allowance for faculty members For attending self-supported FDP / Workshop / Seminar • Compensation Leave given for those who work at college or for any official work outside on holidays

redressal committee to sort and give solutions to the problems faced by the students.

6.4 – Financial Management and Resource Mobilization

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

The budget requirements are collected from the Departments through Department level. The requirements criteria includes Capital Equipment, Consumables, RD, Statutory meetings, Board of Studies, Stationeries, Accreditation and Ranking works, Student Development, Faculty Development and Industry Connect. The details received from all the Departments are consolidated by the administrative office. The total revenue projection and total expenses are presented before the Finance Committee. The finance committee of the Institution will recommend to the management. Since the Managing trustee of KPR Institute of Engineering and Technology is well qualified in Chartered Accountants the budget processes are reviewed and desired improvements in the areas have been carried out.

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
KPR Charities	43631750	Scholarship for economically weaker section and meritorious students
No file uploaded.		

6.4.3 – Total corpus fund generated

43631750

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	ISO,NBA	Yes	IQAC
Administrative	Yes	ISO	Yes	IQAC

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

1. Parents Teachers Meeting is of each year in a department used to conducted once in a semester to appraise students progress and also to get suggestions and grievances. 2. Through whatsapp group the activities of the institutions are conveyed, for Annual day, Sports day and Graduation day parents are invited. 3. Slow learners are motivated to do better through their parents.

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

1. Regular skill training program in the institutions 2. During students industry visit, the staff can also accompany students along with faculty members. 3. Opportunities to take up higher studies.

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

1. Autonomous status has been received and the curriculum and syllabi is framed with input from the industry expert and academia. 2. ICT based teaching methodology is implemented and students are made to undergo online course like MOOC/ online courses, NPTEL and Coursera to improve their knowledge and skills every year. Various clubs to identify and nourish the talents of diverse nature, provide a conducive environment for showcasing potentials and to enhance the creative ability of the young minds for professional and personal growth. 3. Students trained with programming skills through the software's like C, C, Java, and Python with the expert from the industry.

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
2019	Awareness Programme on Preparation of Compliance Report	09/08/2019	09/08/2019	09/08/2019	110
2019	OBE Software demo session for HoDs and NBA/NAAC Coordinators	06/09/2019	06/09/2019	06/09/2019	35
2019	IQAC Meeting	13/09/2019	13/09/2019	13/09/2019	12
View File					

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the	Period from	Period To	Number of Participants
--------------	-------------	-----------	------------------------

programme			Female	Male
Women Entrepreneurship and Skill Development	07/09/2019	07/09/2019	100	10
Health Awareness Program	14/09/2019	14/09/2019	40	30
Swatch Bharat Mission	19/09/2019	19/09/2019	50	100
Breast Cancer Awareness Program	21/10/2019	21/10/2019	500	Nil
Women Empowerment Cell	09/01/2020	09/01/2020	150	50
Club day	08/02/2020	08/02/2020	400	600
International Women's Day Celebrations	07/03/2020	07/03/2020	430	100

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

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

The college has taken several initiatives in the direction of environmental consciousness and sustainable and alternate energy, energy water conservation, and management, solid waste management, etc. Some of the steps taken by the institution are listed below. Sewage Treatment for treating effluents from the college and hostel buildings. The treated effluent is used for gardening and agriculture purpose and the campus is a Zero Discharge Unit. Kitchen and dining wastes are anaerobically treated and the bio gas generated is used in the hostel kitchen. Bio composting process using the kitchen and dining waste for the preparation of natural manure for gardening. Miyawaki forest scheme is implemented for tree plantation in the campus. Thirteen rain water harvesting systems are installed in the campus. Solar water heaters are installed in hostels and quarters CFL and LED lightings are provided to conserve electricity. Bird nesting facilities are provided. Have more than 10,000 plants and trees inside the campus

7.1.3 – Differently abled (Divyangjan) friendliness

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

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	31/08/2019	1	Eye corneal Donation Awareness Programme	Donation Corneal replacement	120
2019	Nil	1	16/11/2019	1	Kalam 2020	Motivation given to school students and appreciated them with shield	31
2020	1	1	25/01/2020	1	Road Safety Awareness Programme	Explaining about precaution and safety during driving and providing helmets to public	24
2020	1	Nil	01/02/2020	1	Blood group Awareness Programme	Blood related disease diagnostic	114
2020	Nil	1	04/02/2020	1	Child abuse Awareness	Self-Protection	110
2020	Nil	1	10/02/2020	1	Corona Virus Awareness Programme	Safety concerns Awareness	164
2020	1	1	15/02/2020	1	Road Safety Awareness Programme	precaution and safety during driving and providing helmets to public	24
2020	1	1	16/02/2020	1	Healthc		114

			020		are Awareness Programme	Mediclaim regular health check up	
2019	Nill	1	21/10/2019	1	Breast Cancer Awareness Programme	Cancer Issue and Awareness	500
No file uploaded.							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Handbook	21/05/2019	<p>Handbook is issued to the students at the time of admissions. Principal informs the code of conduct, highlighting discipline in the orientation program for the first year students.</p> <p>The college has discipline committee consisting of senior professor and team of teacher who supervises and looks after the overall conduct of the students. Students are generally following the code of conduct correctly and if any misconduct, students are advised through the mentor. If any violation, discipline committee do the enquiry and necessary actions will be taken.</p>
Academic Calendar	20/05/2019	<p>Two academic calendar released for the odd and even semester each, details such as regular class, internal continuous assessment, holiday, department meeting, parents meeting and other academic activities. Calendar will give a clear picture of all the events that are to be carried out throughout the year.</p>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Induction	05/07/2019	05/07/2019	700

Programme			
Donation Camp by Thulir Club Association Activity	20/07/2019	22/07/2019	200
Health Awareness Program, Annur	27/07/2019	27/07/2019	150
Independence Day Celebrations	15/08/2019	15/08/2019	900
Eye corneal Donation Awareness Programme	31/08/2019	31/08/2019	120
Teachers day	05/09/2019	05/09/2019	300
Association Activity Donation Camp by RotractThulir Club of KPRIET on International Day of Charity	05/09/2019	05/09/2019	100
Awareness on Child Abuse and Self Defense	04/02/2020	04/02/2020	100
Yoga Performance by Students	08/02/2020	08/02/2020	150
View File			

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

1. Bio Toilet: A Mobile Bio Toilet is used to treat black water (human waste) on-site, so that the treated water can be used for irrigation. The bio toilets are Portable as well as user friendly. Anaerobic digestion process by which microorganisms break down biodegradable material in the absence of oxygen, is used to treat the effluent. 2. All faculty members are following the planting of saplings on their birthday. Large number of trees have been planted during the last year to create a lush green environment 3. Water testing: Drinking water and treated wastewater samples are analyzed once in a week for monitor the compliance and maintain as per standard. 4. Rain water Harvesting: The rain water from the terrace is collected into the percolation pits which are made with perforated concrete slabs. 5. Recycled sewage water is used for gardening 6. Efforts are taken to minimize paper consumption by prudent use and maximizing electronic media usage. 7. Participated in the SDGs of the UN.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Curriculum Development 1.1. Industry Institute Partnership Cell The department organizes various Guest Lecturers, Seminars and Workshops by inviting Industry Experts, Academicians, and Alumni to gain more practical knowledge and learn new techniques to expose to the students. The Industry-oriented projects are undertaken by both faculty and students through internships. The placement plays a pivotal role in identifying job opportunities for under graduates and post graduates by keeping in touch with reputed firms and industrial establishments. The placement cell operates round the year to facilitate contacts between companies and graduates. The number of

students placed through the campus interviews has continuously risen. The department has signed number of MoUs with the many industries to inter-build the relationships with the institute and industries for best practices. Project funding and seminar grants are also received from professional societies and other various organizations.

1.2 Liberal Arts Programme across Departments In the current and ever changing educational, economic and social system, building multi skilling and multi-tasking abilities in our youngsters is a must. Multi-disciplinary and interdisciplinary education is the only solution. Liberal Arts education provides the answer. Liberal Arts is a system of education that builds in varied basket of courses from different domains such as Fine Arts, Life Skills, Soft Skills, Managerial and Leadership skills, Humanities, Sciences Technology, Finance Commerce and Language Skills. Liberal Arts can bring about a total positive disruption in the field of education in our country. The design of the curriculum of Liberal Arts will thus aim to provide the students a new learning experience and empower them to be ready to face challenges and complexities of modern living and emerge as successful and responsible citizens. Liberal Arts introduces a flexible learning process and makes the learning process very enjoyable for the students. The demands on the contemporary professionals are vastly different and more challenging due the rapid advancement in technology and today's students are expected to possess multi lingual, multi-cultural adaptability and go beyond the boundaries of a standard and conventional education system. The study of Liberal Arts can empower the modern mind in domains such as Literature, Language, History, Philosophy, Psychology, Science, Economics, Public Relations, Training HR, International Relations, Social Work, Civil Services, Journalism, Mass Communication, Corporate Communications and a lot more. The students from diverse economic, social and cultural backgrounds need to necessarily acquire the abilities to interact with the world at large and develop talents and skills to become a versatile human being and a valuable professional. Some of the benefits of the Liberal Arts programs include enhancement of analytical abilities, multiple career options, ability to tide over uncertainties in jobs or career, language and soft skills, to become an adaptable citizen and many more. A few of the Liberal Arts courses organized is listed. These courses are offered as Value Added courses for the current 2nd, 3rd and final year students. The course duration is around 20 hours. The course faculty will be domain experts with long years of expertise in the respective fields. It is planned to include these courses for the students from the current first year (Autonomous Status) in the curriculum as a one credit course (with a due evaluation mechanism) and the students have the freedom of registering for several such courses.

2. Training and placement At KPRIET, summer trainings, full-term trainings, 'On-the-job' trainings, study tours, and skill enhancement events and workshops are extensively integrated in the curriculum. They expose students to real work environments and provide an opportunity to apply their learning in real life situations. Training of students and equipping them with life skills has become an important responsibility of the institution. To meet out these requirements, a full-fledged training cell is operating in our college to enhance the capabilities of engineering graduates on par with the industry standards.

Activities • Career Guidance and Career Support Programs • To train the students on communication skills and personality development • Training students in Quantitative Aptitude, Logical Reasoning and Verbal Reasoning through Corporate Trainers, Industry Experts and In-House Trainers • To train the students and to improve their Coding Skills in latest Programming Languages • To train the students on Group Discussion Interview skills • To Conduct Online assessments • Company Specific Training • Industry Connect Training Programs During the Academic year 2019 - 2020 total companies visited the campus 152. The highest CTC : 12 laksh / Annum in 2020.

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/pdf/naac/best-practices\(19-20\).pdf](https://www.kpriet.ac.in/pdf/naac/best-practices(19-20).pdf)

7.3 – Institutional Distinctiveness

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

The distinctive features of this institution are very close interaction with the industry, intense R D efforts, commitment to environment and social responsibility. The industry institute partnership cell of the institution provides a unique platform for the faculty and students for close interactions with the industry through internships, projects, industry visits, testing consultancy services. Our Boards of Studies have members from industry and the latest trends in technology are included in the curriculum through the BoS interactions. The college offers a unique opportunity for its students to become entrepreneurs. Regular training and interaction with entrepreneurs motivates the students to start their own ventures and to encourage students in startup promotions. The Institute Innovation Cell (IIC) motivates the students to develop new ideas and convert them in to products. The philosophy of the college emphasizes institutional social responsibility and we have carried out several outreach programs for the upliftment of the nearby villages. The distribution of essential commodities to the people below the poverty line during the pandemic period is worth mentioning. Our commitment to the environment is well established. The campus is lush green and every year additional trees are planted.

Provide the weblink of the institution

<https://www.kpriet.ac.in/>

8.Future Plans of Actions for Next Academic Year

The institute has rolled out a distinctive five year roadmap for its overall growth. This roadmap covers the following development in the institution. • Admissions (UG, PG, Ph.D) and from other states, NRI, PIO and other countries. • Faculty quality and qualification enhancement. • Faculty retention ratio. • Student - faculty ratio. • Publications and patents, funding and consultancy. • Product development and technology transfer. • Centers of Excellence. • National and International Conferences. • Accreditation and ranking (NBA, NAAC, NIRF, QS i GAUGE etc). • International certifications, • National and International awards and startups. • Achievement in Sports and Cultural activities. • Students' career development. • Preparing students for Competitive exams (GATE, UPSC, etc.) • Infrastructural developments All the above areas will be taken for qualitative and quantative growth year on year by the active participation of the management, faculty, students and all other stake holders such as parents, alumni etc.