



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

1. Name of the Institution	KNOWLEDGE INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr. PSS. SRINIVASAN
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0427-2433901
Mobile no.	9790041414
Registered Email	principal@kiot.ac.in
Alternate Email	vp@kiot.ac.in
Address	KIOT Campus, Kakapalayam (PO)
City/Town	SALEM
State/UT	Tamil Nadu
Pincode	637504

#### 2. Institutional Status

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr.M.Thangavel
Phone no/Alternate Phone no.	04272433918
Mobile no.	9790071717
Registered Email	iqac@kiot.ac.in
Alternate Email	training@kiot.ac.in

### 3. Website Address

Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.kiot.ac.in/wp-content/uploads/2020/06/KIOT_AQAR_2018-19.pdf">https://www.kiot.ac.in/wp-content/uploads/2020/06/KIOT_AQAR_2018-19.pdf</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.kiot.ac.in/academic-calendar/">https://www.kiot.ac.in/academic-calendar/</a>

### 5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	B++	2.8	2017	22-Feb-2017	21-Feb-2022

<b>6. Date of Establishment of IQAC</b>	09-Sep-2015
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### 7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Conducted Academic and Administrative Audit for EvenSemester of AY	27-Jul-2019 7	0

2018-19		
Webinar on NBA accreditation process on polytechnic colleges	28-May-2020 7	440
Webinar on OBE and NBA Process	07-May-2020 7	513
Initiative for NAAC Reaccreditation	23-Nov-2019 0	0
Participation in NIRF Ranking 2020	27-Nov-2019 0	0
Participation in ARIIA Ranking 2020	30-Oct-2019 0	0
Submitted AQAR for the AY 2018-19	20-Jun-2020 01	0
Conducted 3rd IQAC Meeting for the AY 2019-20	25-Jan-2020 01	19
Conducted 2nd IQAC Meeting for the AY 2019-20	23-Nov-2019 01	19
Conducted 1st IQAC Meeting for the AY 2019-20	13-Jul-2019 01	19
<a href="#">View File</a>		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Knowledge Institute of Technology	Major Projects	AICTE	2020 730	1063650
Knowledge Institute of Technology	Students Research Projects	TNSCST	2020 365	7500
<a href="#">View File</a>				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	<b>Yes</b>
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	<b>3</b>
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	<b>Yes</b>

Upload the minutes of meeting and action taken report	<a href="#">View File</a>								
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)									
<ul style="list-style-type: none"> <li>• Participated in NIRF ranking 2020.</li> <li>• Applied for two new undergraduate programs B.Tech. (IT) and B.Tech. (CSBS)</li> <li>• Conducted Academic and Administrative Audits</li> <li>• Applied for ARIIA ranking given by Ministry of Education, Government of India and got listed as Band B institution (Rank between 2650) in the category of Private or Self Financed College/Institutes</li> <li>• Conducted 10 webinars on "Everyone can do Quality Research" using eminent professors from premier institutions such as IIT, NIT and Anna University and 3936 faculty across India got benefitted.</li> <li>• Conducted webinar on Outcome Based Education (OBE) and NBA Accreditation for Engineering College and Polytechnic faculty</li> </ul>									
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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									
<table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achievements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>To get A Grade in NAAC reassessment</td> <td>IIQA and SSR submitted for NAAC Reassessment</td> </tr> <tr> <td>To apply new Programs in emerging areas</td> <td>Approval for Two new Programs B.Tech (CSBS) and B.Tech. (IT) were obtained</td> </tr> <tr> <td>To get funding from AICTE to modernise the laboratories</td> <td>MODROB fund received from AICTE for a sum of Rs.10.60 lakh.</td> </tr> </tbody> </table>		Plan of Action	Achievements/Outcomes	To get A Grade in NAAC reassessment	IIQA and SSR submitted for NAAC Reassessment	To apply new Programs in emerging areas	Approval for Two new Programs B.Tech (CSBS) and B.Tech. (IT) were obtained	To get funding from AICTE to modernise the laboratories	MODROB fund received from AICTE for a sum of Rs.10.60 lakh.
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<a href="#">View File</a>									
14. Whether AQAR was placed before statutory body ?	Yes								
<table border="1"> <thead> <tr> <th>Name of Statutory Body</th> <th>Meeting Date</th> </tr> </thead> <tbody> <tr> <td>Governing Council Meeting</td> <td>24-Dec-2020</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Governing Council Meeting	24-Dec-2020				
Name of Statutory Body	Meeting Date								
Governing Council Meeting	24-Dec-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	05-Feb-2020
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	The functionality of MIS has been implemented using the ERP software "IMPRES ERP". The following are the information that is maintained in the ERP software. 1. Student database 2. Student performance in the internal assessments 3. End semester examination grades 4. Progress report generation both internal assessment and end semester exam performance 5. Student participation in career development activities 6. Mentoring information 7. Student attendance 8. Faculty lesson plan and notes of lesson 9. Staff attendance and payroll processing

## 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

**Planning for Academics:**

- Releasing of Academic Calendar (AC) for every semester by Anna University (AU) with dates for college reopening, internal assessment schedules, practical exams and university theory exam commencement dates
- Planning and scheduling of AC by the institution in adherence with university's AC with dates Containing working days, government and local holidays, etc.
- Preparation of AC by each department containing the various extracurricular and co- curricular activities to be carried out during the semester
- Course allocation to faculty members by Department Heads based on specialization Experience and faculty's interests
- Course coordinator to conduct meeting with course handling faculty and perform course CO-PO mapping, set the target CO to be attained, review the feedback given by students and discuss actions to be taken for the upcoming semester
- Faculty prepare lesson plan, course plan, slow learners' materials, assignment, assessment questions and mode of delivery of the course
- Plan for Industrial visits, seminars or guest lectures to fulfill the gaps identified, if any
- Conduction of Performance Enhancement Test (PET) periodically to assess the students. Delivery of Quality Content:
- Proper content delivery using ICT tools
- Encourage advanced learners to take up MOOC courses (Swayam, Coursera, etc.) and inculcate the habit of self-learning in them
- Conduction of special evening classes before Internal Assessment Tests (IAT) for slow learners
- Discussion with students individually post IAT to give inputs on their performance
- Planning and conduction of retests to give failures and low scorers another opportunity to boost their internal marks
- Students to accomplish previous university question paper analysis to increase their course knowledge from the exam point of view
- Periodic monitoring of Students' attendance, hourly engagement of classes as per timetable and syllabus coverage
- Organize seminars and guest lecture through several clubs thereby exposing students to various latest technologies and methods being followed in industries
- Visiting industries to

improve practical knowledge and also to fulfill CO-PO gaps identified Feedback and Followup:

- Get feedback about teaching-learning process from students in class committee meetings (CCM) conducted periodically during the semester
- Mid and end semester students' feedback on faculty teaching will be conducted through ERP
- All the corrective action points given during CCMs and ERP feedback will be considered by the HOD. Faculty members are asked to take necessary corrective action immediately
- Intimate parents about their wards' IAT marks. Conduct parents' meeting once in a semester and get feedback from parents for institution's continuous improvement

Apart from Academics:

- Students are motivated to attend Certificate Courses (CC), Value Added Courses (VAC) and Vocational Educational Training (VET) during semester evening hours and holidays based on the industrial requirements
- CC are offered in association with industries to hone their technical skills
- VAC are offered for better placements and develop their skills
- Students plan and go for In-plant Training (IPT) or Internship in industries during semester holidays
- Conduct placement related training and make students industry ready

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

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Solid Modeling (Level-2) using NXCAD software	Nil	15/07/2019	6	Employability	Skill Development
Ducting Design for all air HVAC System	Nil	08/07/2019	6	Employability	Skill Development
Design of Practical HVAC System	Nil	05/08/2019	5	Employability	Skill Development
Solid Modeling (Level-2) using CATIA software	Nil	15/07/2019	6	Employability	Skill Development
Solid Modeling (Level-1) using NXCAD software	Nil	18/01/2020	5	Employability	Skill Development
Cost estimation for a specific project	Nil	20/01/2020	5	Employability	Skill Development
Components sizing and selection for chilled water type HVAC system	Nil	10/02/2020	5	Employability	Skill Development

Solid Modeling (Level-1) using CATIA software	Nil	18/01/2020	6	Employability	Skill Development
Electrical wiring circuit design using Electrical CAD	Nil	20/01/2020	5	Employability	Skill Development
Problem Solving and Computer Programming using E-Box (Module I)	Nil	23/12/2019	5	Employability	Skill Development
Problem Solving and Computer Programming using E-Box (Module II)	Nil	24/06/2019	6	Employability	Skill Development
Product Development and Programming using E-Box	Nil	10/06/2019	5	Employability	Skill Development
Design and System Programming using E-Box	Nil	16/12/2019	5	Employability	Skill Development
Database Design and Programming with SQL using Oracle iLearning	Nil	10/06/2020	5	Employability	Skill Development
Architectural Design of Buildings using Revit Architecture	Nil	03/07/2019	5	Employability	Skill Development
3D modelling of Buildings using 3ds Max Design	Nil	10/06/2020	5	Employability	Skill Development
Analysis of Structural members using Staad pro v8i	Nil	01/07/2019	5	Employability	Skill Development

## 1.2 – Academic Flexibility

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

Programme/Course	Programme Specialization	Dates of Introduction
BE	ME8595-Thermal Engineering- II	01/07/2019
BE	ME8593-Design of Machine Elements	01/07/2019
BE	ME8501-Metrology and Measurements	01/07/2019
BE	ME8594-Dynamics of Machines	01/07/2019
BE	Open Elective I	01/07/2019
BE	ME8651-Design of Transmission Systems	01/07/2019
BE	ME8691-Computer Aided Design and Manufacturing	01/07/2019
BE	ME8693-Heat and Mass Transfer	01/07/2019
BE	ME8692-Finite Element Analysis	01/07/2019
BE	ME8694-Hydraulics and Pneumatics	01/07/2019
<a href="#">View File</a>		

### 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	Mechanical Engineering	01/06/2019
BE	Electronics and Communication Engineering	01/06/2019
BE	Electrical and Electronics Engineering	01/06/2019
BE	Computer Science and Engineering	01/06/2019
BE	Civil Engineering	01/06/2019
ME	Industrial Safety Engineering	01/06/2019
ME	VLSI Design	01/06/2019
ME	Embedded System Technologies	01/06/2019
ME	Computer Science and Engineering	01/06/2019

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

	Certificate	Diploma Course
Number of Students	1061	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
Fundamental Drafting and Detailing using CREO software	13/07/2019	32
Sheetmetal and Surface modeling using CREO software	13/07/2019	70
Fundamental Simulation Techniques using ANSYS Software	08/02/2020	32
Advanced Simulation Techniques using ANSYS Software	13/07/2019	60
Industry Practice Based Proficiency Course for Aerospace – Aircraft Structural Analysis	01/02/2020	36
Industry Practice Based Proficiency Course for Aerospace – Gas Turbine Engine Design Development	15/02/2020	36
Industry Practice Based Proficiency Course for Aero space – Engineering mechanics, Fatigue and Damage Tolerance	13/07/2019	69
Industry Practice Based Proficiency Course for Aero space – Manufacturing Process as applicable to Aerospace and Automotive	20/07/2019	69
IoT using Arduino	16/12/2019	19
Hardware modeling with HDL using SPARTAN 3E FPGA kit	22/06/2019	18
<a href="#">View File</a>		

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

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Mechanical Engineering	306
BE	Electronics and Communication Engineering	284
BE	Electrical and Electronics Engineering	291
BE	Computer Science and Engineering	117

BE	Civil Engineering	104
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>Feedback is one such very effective measurement method, which is effectively used in the improve administration. In general feedbacks are taken at the following occasions: • Feedback on curriculum gap and enrichment (from Students, Faculty, Parents, Alumni and Employers) • Feedback on Teaching - Learning imparted by faculty for each subject at the middle of the semester and the end of the semester (from the students attending the class) • Feedback taken on syllabus coverage, overall Teaching - Learning process, examination and evaluation and support systems at Class Committee Meetings (CCM) (three CCMs per semester per class) from selected group of students. • Feedback from outgoing students, each year, on infrastructure, academics and facilities. • Feedback at the end of each major programs/events (like Non formal / Value added courses and FDPs. STRUCTURE OF THE FEEDBACK SYSTEM • The structure of the feedback form is Likert's 5-point scale (Strongly agree, Agree, not sure, Disagree and Strongly Disagree or Excellent, Very Good, Good, Average and Poor) CORRECTIVE ACTION • The feedbacks are consolidated and presented in the HODs meeting with Principal. In the HODs meeting, feedback is analysed and corrective actions are taken wherever needed.</p>

#### 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	CSE	18	Nill	1
ME	EST	18	Nill	1
ME	VLSI	18	Nill	2
ME	ISE	24	Nill	21
BE	Civil Engineering	60	Nill	13
BE	Computer Science and Engineering	120	Nill	118
BE	Electrical and Electronics Engineering	120	Nill	46

BE	Electronics and Communication Engineering	120	Nil	86
BE	Mechanical Engineering	120	Nil	62
<a href="#">View File</a>				

## 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	1984	62	127	13	127

## 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
140	140	17	44	5	33

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

Mentor Allotment System: • The Mentor – Mentee system is functioning with an objective to bridge the gap between the teachers and students and to guide students on both educational and personal aspects. The allotted faculty acts as a mentor to a group of 15 to 25 students. First year students' mentors are from the department of science humanities and II, III and IV year students' mentors are from the parent department. The parent department faculty mentors acts as mentors for the same group of students till their graduation. • The mentor performs the functions as follows. • Maintain an open and friendly environment between mentor and mentees. • Continuously monitor, counsel, guide and motivate the students in all academic, personal and career concerns. • Advise students regarding choice of electives, project, placement and training activities and internships etc. • Contact parents/guardians if situation demands e.g. academic irregularities, negative behavioral changes and interpersonal relations etc. • Discover talents and interests of mentees and they define and help them in attaining mentee's goals. • Advise students in their career development regarding self-employment opportunities, entrepreneurship development, honesty and integrity required for career growth. • Advise students in their professional development regarding professional goals, selection of career and higher education. • Counsel them on their course regarding low attendance and low performance. • Maintain a mentoring form with a brief but clear record of all discussions with students. • Intimate HOD if any administrative action is needed.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1984	125	1:16

## 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
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140	140	Nill	8	18
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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.K.Visagavel	Vice Principal	Received ISTE Periyar Award for Best Engineering college Teacher from ISTE TN section.
2019	Dr.C.Muniraj	Professor	Recognition as Editorial Committee member in the Journal of Digital Signal Processing
2019	Dr.P.A.Gowri Sankar	Assistant Professor	Received Best Young Engineer Award from The IE(I), Salem
2019	Dr.V.Kumar	Professor	Recognized for Attending Google Cloud OnBoard Program
2019	Mr.A.Sekar	Assistant Professor	Recognized for reviewing the content and providing quality inputs for the improvement of title-Problem Solving and Programming with Python 2nd Edition( Anna University)
2020	Mr.M.Rajasekar	Assistant Professor	Received Innovation Ambassador award by Institution Innovation council, MHRD, IIC, India
2019	Dr.K.Visagavel	Vice Principal	Best Administrator Award" from Dr.Kalam Educational Trust held on 15.10.2019 at MAM School of Engineering

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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	ME / 114	VIII / IV	29/09/2020	17/10/2021
BE	EC / 106	VIII / IV	29/09/2020	17/10/2020
BE	EE / 105	VIII/IV	29/09/2020	17/10/2020
BE	CS / 104	VIII/IV	29/09/2020	17/10/2020
BE	CE/103	VIII/IV	29/09/2020	17/10/2020
ME	ISE / 423	VIII/IV	29/09/2020	17/10/2020
ME	VLSI / 419	VIII/IV	29/09/2020	17/10/2020
ME	EST / 431	VIII/IV	29/09/2020	17/10/2020
ME	CSE / 405	VIII/IV	29/09/2020	17/10/2020
<a href="#">View File</a>				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institution adopts the evaluation system that is prescribed by Anna University, Chennai. The following reforms are made at the Institution level in Continuous Internal Evaluation. • Three Internal Assessment Tests (IAT) are conducted as per the Academic schedule prescribed by Anna University and Institution. • IAT question papers are prepared based on Outcome Based Education (OBE) and Blooms Taxonomy Levels to access the different learning levels of students. • At the department level, all activities related to the conduction of Internal Assessment Test and its evaluation is coordinated by department exam cell coordinator. • The Course/Module coordinators are appointed for the common course to ensure the syllabus coverage in the IAT question paper. The reformations introduced by the institution in the continuous Internal evaluation process are as follows: 1. Blooms Taxonomy Levels are introduced in IAT (Internal Assessment Test) Question Paper. 2. The Course End Survey (CES) based indirect assessment is adopted for CO attainment calculation. 3. The Part C questions are introduced in the IAT question paper for Regulation 2017 students as per University requirements. 4. Answer keys are displayed to students in Notice Board. 5. Retests are conducted for slow learners. 6. Introduction of Online Exams through Google Classroom 7. Introduction of Online Quiz through Google form 8. Introduction of Online Assignment through Google Classroom 9. Inclusion of Online Activity for CO Attainment Calculation 10. Assignment and quizzes are recommended to use as a direct assessment tools for CO attainment level measurements.

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

- The University publishes the academic schedule that includes, reopening date for all programmes, Internal Assessment test period, web portal marks entry period, last instruction day, commencement of practical examination and university end semester examination. The institution's academic calendar for each semester is planned to adhere the university academic schedule in HoD meeting. • Institution academic calendar is prepared well in advance before the commencement of the semester that includes reopening date, IAT commencement date, tentative dates for programmes, events and holidays for the academic year

and it is circulated to all departments. • The course faculty members complete the syllabus for IAT – I, IAT – II and IAT – III as per the academic calendar which are reviewed in the class committee meetings. • The practical course handling faculty members complete the experiments and conduct model practical exam as per the academic calendar. • The academic project coordinator complete the project reviews as per the academic calendar. • The internal test marks are entered in the Anna university web portal as per the Academic calendar

## 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.kiot.ac.in/courses/ug/mechanical-engineering/vision-mission-peo-po-pso/>

### 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
CSE / 405	ME	Computer Science Engineering	4	4	100
EST / 431	ME	Embedded System Technology	9	9	100
VLSI / 419	ME	VLSI	2	2	100
ISE / 423	ME	Industrial safety Engineering	19	19	100
CE/103	BE	Civil Engineering	63	63	100
CS / 104	BE	Computer Science and Engineering	110	110	100
EE / 105	BE	Electrical and Electronics Engineering	102	100	98
EC / 106	BE	Electronics and Communication Engineering	94	94	100
ME / 114	BE	Mechanical Engineering	228	227	99.6

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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.kiot.ac.in/wp-content/uploads/2021/04/AQAR2019-20SSR.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
Students Research Projects (Other than compulsory by the University)	365	TNSCST	7500	7500
Major Projects	730	AICTE	1063650	1063650

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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
Two Days Workshop on How to Brand the Innovative Product to Patent (IAI Practice)	Electronics and Communication Engineering	03/01/2020
Four Days Hands on Training on Industrial Standard Product Development (IAI Practice)	Electrical and Electronics Engineering	09/09/2019
One Day Seminar on Retrofitting and Rehabilitation of Existing Structures using Modern Technologies (IAI Practice)	Civil Engineering	24/01/2020
Two Days Workshop on Automotive Technologies (IAI Practice)	Mechanical Engineering	04/09/2020
Two Days Workshop on Intellectual Property Rights (IPR Practice)	Computer Science and Engineering	01/02/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Innovation Ambassador	Mr.M.Rajasekar	Institution Innovation council, MHRD, IIC, India	06/01/2020	Training Services

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

Incubation	Name	Sponsered By	Name of the	Nature of Start-	Date of
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Center			Start-up	up	Commencement
NIL	NIL	NIL	NIL	NIL	Nill
<a href="#">View File</a>					

### 3.3 – Research Publications and Awards

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

State	National	International
5	2	1

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

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	3
Computer Science and Engineering	5

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	NIL	Nill	0
International	Computer Science and Engineering	1	3
International	Electronics and Communication Engineering	2	1
International	Electrical and Electronics Engineering	3	2
International	Mechanical Engineering	3	1

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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 Engineering	45
Electronics and Communication Engineering	30
Electrical and Electronics Engineering	16
Computer Science and Engineering	28
Civil Engineering	9

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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
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Detection of Renal Calculi in Ultrasound Image Using Meta-Heuristic Support Vector Machine	P.Rajendran	Journal of Medical Systems	2019	5.8	Yes	1
An Investigation of various actuation mechanisms in robot arm	J.Prakash	Measurement and Control	2019	1.4	Yes	Nil
Breast thermography based unsupervised anisotropic-feature transformation method for automatic breast cancer detection	C.Muniraj	Microprocessors and Microsystems	2019	2.9	Yes	Nil
An Active Noise Control System for Impulsive Noise Using Soft Threshold FxLMS Algorithm with Harmonic Mean Step Size	V.Saravanan	Wireless	2019	2.4	Yes	1
An Active Noise Control System for Impulsive Noise Using Soft Threshold FxLMS	N.Santhi yakumari	Wireless Personal Communications	2019	2.4	Yes	1

Algorithm with Harmonic Mean Step Size							
A Video analysis on user feedback based recommendation using A-FP hybrid algorithm	P.Rajendran	Multimedia Tools and Applications	2019	3.7	Yes	Nil	
Performance Improvement of solar powered evaporative Cooler Using versatile ecological balanced control technique	K.S.Prabhakaran	Microprocessor and Microsystems	2020	2.9	Yes	Nil	
Performance Improvement of solar powered evaporative Cooler Using versatile ecological balanced control technique	K.Visagavel	Microprocessor and Microsystems	2020	2.9	Yes	Nil	
Experimental investigation of PV based modified SEPIC converter fed hybrid electric vehicle(PV-HEV)	C.Muniraj	International Journal of Circuit Theory and Applications	2020	2.038	Yes	1	
Detection and classification of	C.Muniraj	Journal of Ambient Intelligence and	2020	3.8	Yes	2	

f mechanical faults of three phase induction motor via pixels analysis of thermal image and adaptive neuro-fuzzy inference system		Humanized Computing				
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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
An Active Noise Control System for Impulsive Noise Using Soft Threshold FxLMS Algorithm with Harmonic Mean Step Size	N.Santhi yakumari	Wireless Personal Communications	2019	60	1	Yes
Detection and classification of mechanical faults of three phase induction motor via pixels analysis of thermal image and adaptive neuro-fuzzy inference system	C.Muniraj	Journal of Ambient Intelligence and Humanized Computing	2020	41	2	Yes
An Active	V.Saravanan	Wireless Personal C	2019	60	1	Yes

Noise Control System for Impulsive Noise Using Soft Threshold FxLMS Algorithm with Harmonic Mean Step Size		ommunications				
Breast thermography based unsupervised anisotropic-feature transformation method for automatic breast cancer detection	C.Muniraj	Microprocessors and Microsystems	2019	38	Nil	Yes
Experimental investigation of PV based modified SEPIC converter fed hybrid electric vehicle(PV-HEV)	C.Muniraj	International Journal of Circuit Theory and Applications	2020	49	Nil	Yes
Performance Improvement of solar powered evaporative Cooler Using versatile ecological balanced control technique	K.Visagavel	Microprocessor and Microsystems	2020	38	1	Yes
An Investigation of various actuation mechanisms	J.Prakash	Measurement and control	2019	21	1	Yes

in robot arm						
Performance Improvement of solar powered evaporative Cooler Using versatile ecological balanced control technique	K.S.Prabhakaran	Microprocessor and Microsystems	2020	38	1	Yes
Detection of Renal Calculi in Ultrasound Image Using Meta-Heuristic Support Vector Machine	P.Rajendran	Journal of Medical Systems	2019	79	Nill	Yes
Detection and classification of mechanical faults of three phase induction motor via pixels analysis of thermal image and adaptive neuro-fuzzy inference system	C.Muniraj	Journal of Ambient Intelligence and Humanized Computing	2020	41	Nill	Yes

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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	Nill	27	93	Nill
Presented papers	Nill	11	Nill	Nill
Resource persons	Nill	Nill	2	Nill

### 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
Blood Donation Camp	YRC RRC Club in association with Salem Blood Bank	4	68
Corona Virus Awareness Programme at KIOT	NSS ROTARACT Club	150	1887
Pledge for National Unity Day Birth Anniversary of Sri Vallabaii Patel	NSS	140	300
Vigilance Awareness Week -Guest Lecture/Pled ge/Events	NSS	120	300
Celebration of 150th Birth Anniversary of Mahatma Gandhiji -Conduct of Cleanliness programmes in the campus	NSS	2	300
NSS Day - Plantation / Events/Blood Donation	NSS and YRC/RRC	2	200
One Hour Yoga Exercise for all First year Students of KIOT	NSS and Yoga Club	2	330
Fit India Movement Pledge	NSS	140	500
Guest Lecture for International Day of Yoga 2019	NSS and Yoga Club	15	230
International Day of Yoga 2019-Mass Surya Namaskar	YRC RRC and NSS	15	380

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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
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			Benefited
Professional Activity towards the advancement of Engineering Profession	Certificate of Appreciation for activities organized towards the advancement of IEEE and Engineering Profession during the year 2019	IEEE Madras Section - Region 10 ( ASIA PACIFIC)	25
Voluntarily Organized Blood Donation Camp (Humanitarian act)	Certificate is awardee in appreciation of the great service rendered by RRC-KIOT by voluntarily organized blood donation Camp	Salem Blood Bank, (A Unit of SHHARC Charitable Trust), Salem Tamilnadu	71
Awarded and Recognized for outstanding contribution and participation during Global Student Solar Ambassadors Workshop	Awarded and Recognized for outstanding contribution and participation during Global Student Solar Ambassadors Workshop organized globally on 2nd October 2019 to Commemorate the 150th Birth Anniversary of Mahatma Gandhi.	IIT Bombay	125
<a href="#">View File</a>			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Health and Wellness	YRC RRC and NSS	International Day of Yoga 2019-Mass Surya Namaskar	15	380
Health and Wellness	NSS and Yoga Club	Guest Lecture for International Day of Yoga 2019	15	230
Service to Society	YRC RRC with Lions Club of Erode	Blood Donation Camp	2	54
Health and Wellness	NSS	Fit India Movement Pledge	140	500

Health and Wellness	NSS YOGA Club	One Hour Yoga Exercise for all First year Students of KIOT	1	330
Service to Society	NSS YRC/RRC	NSS Day - Plantation / Events/Blood Donation	1	200
Clean and Green Environment	NSS	Celebration of 150th Birth Anniversary of Mahatma Gandhiji -Conduct of Cleanliness programmes in the campus	1	300
Ethics and Values	NSS	Vigilance Awareness Week -Guest Lecture/ Pledge/Events	120	420
Ethics and Values	NSS	Pledge for National Unity Day Birth Anniversary of Sri Vallabaii Patel	140	300
Ethics and Values	NSS ROTARACT Club	Corona Virus Awareness Programme at KIOT	150	2000
<a href="#">View File</a>				

### 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
Field Trip	All Department Students ( I, II, III and IV Years)	Self suppor	1
In plant Training	All Department students ( II and III Years)	Self support	15
Internship	All Department students ( II and III Years)	Paid and Non-Paid	90
<a href="#">View File</a>			

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/	Duration From	Duration To	Participant
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		industry /research lab with contact details			
Industry Institute Interaction	Industrial Visit	Patwari Bakers Pvt. Ltd, Madurai	13/07/2019	Nil	III Year B.E Mech.
Industry Institute Interaction	Industrial Visit	TVS Motor Ltd, Hosur	05/08/2019	Nil	III Year B.E Mech.
Industry Institute Interaction	Industrial Visit	Sree Rangaraj Ispat Industries Pvt. Ltd, Perundurai	10/01/2020	Nil	III Year B.E Mech.
Industry Institute Interaction	Industrial Visit	TVS Motor Ltd, Hosur	22/01/2020	Nil	III Year B.E Mech.
Industry Institute Interaction	Industrial Visit	Bimetal Bearing Plant, Hosur	14/02/2020	Nil	III Year B.E Mech.
Industry Institute Interaction	Industrial Visit	Bimetal Bearing Plant, Coimbatore	14/02/2020	Nil	III Year B.E Mech.
Industry Institute Interaction	Industrial Visit	Sakthi Auto Components, Pallagoundam palayam	05/03/2020	Nil	III Year B.E Mech.
Industry Institute Interaction	Industrial Visit	K.R Thoppur Substation, K.R.Thoppur - 636013	17/08/2019	Nil	III Year B.E EEE
Industry Institute Interaction	Industrial Visit	Sunbeam Generators Private Limited, Koodapakkam, Puducherry - 605 502.	04/09/2020	Nil	III Year B.E EEE
Industry Institute Interaction	Industrial Visit	Kodaikanal Solar Observatory, Indian Institute of Astrophysics , Kodaikanal - 624 103.	24/09/2019	25/09/2019	III Year B.E EEE
<a href="#">View File</a>					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate

houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Innovative Solutions, Bangalore	19/06/2019	To provide hands on training on PLC, SCADA and HMI	32
SAKURA-GSR(Geoinformation Software Research Private Limited)	07/03/2016	To conduct training for students in the field of Remote Sensing and GIS	32
Harita Techserv Limited, CHENNAI	19/03/2017	To train the students in the field of Computer Aided Design by using CATIA V6, Delmia V5, 3Dvia software's	43
IAPMO India-Kiot Centre, Bengluru	10/10/2017	To train the students with in the area of Mechanical, Electrical Plumbing	45
Barry-Wehmiller International Pvt Ltd, Chennai	02/02/2017	To train the students on industry-oriented knowledge transfer model in specialized applications	40
Macbro Technology India Pvt Ltd, Erode	28/12/2018	To train the students on industry specific CATIA / UG-NX skills with Domain Knowledge (Plastic components- Automotive product design and development)	36
(NIFS) Institute of Fire Engineering Safety Management, Salem	03/04/2019	To train the students on basic concepts of Fire, Explosion and different sources of ignition and their preventive techniques.	40
Reliance India	16/03/2019	To train students in the field of optical fibre Communication	35

Steps Knowledge Services Pvt.Ltd,Coimbatore	03/01/2018	To train the student in the field of Embedded Systems Design and signal processing	35
Aries Biomed Technology Pvt. Ltd , Coimbatore	04/04/2019	To train the students in the field of sensors and instrumentation.	40
<a href="#">View File</a>			

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
20	15.65

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
<a href="#">View File</a>	

### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Campesilib	Fully	7.0.1	2009

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19700	8574436	2005	852861	21705	9427297
Text Books	568	247080	126	88805	694	335885
e-Books	Nill	Nill	545	Nill	545	Nill
Journals	1018	3129164	135	387057	1153	3516221
e-	17	2456016	271	213953	288	2669969

<b>Journals</b>						
<b>Digital Database</b>	<b>2</b>	<b>132370</b>	<b>Nill</b>	<b>Nill</b>	<b>2</b>	<b>132370</b>
<b>CD &amp; Video</b>	<b>1789</b>	<b>Nill</b>	<b>15</b>	<b>Nill</b>	<b>1804</b>	<b>Nill</b>
<b>Library Automation</b>	<b>1</b>	<b>26000</b>	<b>Nill</b>	<b>Nill</b>	<b>1</b>	<b>26000</b>
<a href="#">View File</a>						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
<b>ARUN A</b>	<b>Half wave Rectifier Circuit</b>	<b><a href="https://youtu.be/eZJgywCR3tM">https://youtu.be/eZJgywCR3tM</a></b>	<b>19/11/2019</b>
<b>No file uploaded.</b>			

#### 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co mputers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departme nts	Available Bandwid th (MBPS/ GBPS)	Others
<b>Existin g</b>	<b>900</b>	<b>24</b>	<b>64</b>	<b>0</b>	<b>24</b>	<b>70</b>	<b>684</b>	<b>64</b>	<b>0</b>
<b>Added</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>0</b>
<b>Total</b>	<b>900</b>	<b>24</b>	<b>93</b>	<b>0</b>	<b>24</b>	<b>70</b>	<b>684</b>	<b>93</b>	<b>0</b>

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

<b>93 MBPS/ GBPS</b>
----------------------

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
<b>SONY VIDEO CAMERA HXR-NX3/1 E32, PA WIRELESS AMPLIFIER, NECKBAND PA SYSTEM WITH DIGITAL PLAYER, RAPTOR – INTERACTIVE WHITE BOARD -80" (INFRARED), SONY HANDYCAM, SPEAKER – CREATIVE INSPIRE</b>	<b><a href="https://www.kiot.ac.in/facilities/media-centre/">https://www.kiot.ac.in/facilities/media-centre/</a></b>

#### 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
<b>1</b>	<b>1</b>	<b>10</b>	<b>13.4</b>

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

Introduction The administrative officer with a team of members and Block In-Charges monitor the maintenance and cleanliness of buildings, classrooms, labs, furniture, campus ground, sports facilities, students amenity areas, canteen and hostel buildings. Maintenance of Classrooms, Furniture and Laboratories Classrooms with furniture, teaching aids and laboratories are maintained by the respective department staff and technical staff and supervised by the respective Head of the Department. Respective block In-charge report Head of the department and then to the administrative officer periodically for all the maintenance works. Maintenance of library Orderly stacking of books is ensured by librarian and support team for easy accessioning of books. The library staffs are clearly instructed in the care of library documents. Proper pest management is done to minimize the problems caused by insects, cockroaches and Rats. The collection of dust causes staining of documents. Cleaning should be done regularly and carefully. Maintenance of Electrical Instruments Electricians extend their service to all the departments to ensure optimal utilization of electrical instruments. Notified problems are reported to respective in-charge of utilities and same will be reported to Administrative officer through HoD. Administrative officer supervise with Electricians for rectification. Maintenance of computers, internet and networking Facilities System Administrator and support team ensure the maintenance of ICT facilities including computers and servers, internet and networking. The maintenance includes the required software installation, antivirus and Campus Wi-Fi facility. A maintenance register is maintained for each laboratory. Issues related to Computers, Servers, Printers, Networking and System security identified by students/Lab Technicians are reported to system administrator through HOD, and the support team will clear the issues. Maintenance of Lab Equipment The respective Staff In charge, Technicians is given responsibility to maintain the equipment. Stock registers, maintained by the respective laboratories to report entries and defects arising for rectification. Repair if any, are reported to the Head of Department or the faculty-in charge and suitable measures are taken for speedy functioning of the equipment. Breakage of glassware intended for use by students is entered in the breakage register and charges levied based on cost of the equipment. Any equipment's required for major service is informed to company, in case it is under warranty. If warranty void, the service quotations are prepared by respective lab in-charge and submitted to administrative officer for further approval and sanctioning. Maintenance of Sports and Games Facility Seasonal maintenance of all equipment and ground are carried out regularly by the Physical Education director. Gymnasium and playgrounds are maintained by the staff of the Department of Physical Education. Any equipment's required for major service is informed to company, in case it is under warranty. If warranty void, the service quotations are prepared by respective Physical Education director and submitted to administrative officer for further approval and sanctioning. Maintenance of Transport Facility Bus Manager is the In-Charge for all the institutional buses and other vehicles. In case of repair the same is informed to administrative officer for further approval and sanctioning of fund.

<https://www.kiot.ac.in/about-us/policies/maintenance-of-common-utilities-labs/>

## 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	KIOT Trust - AICTE Tuition Fee	619	8439409

	Waiver, Merit Scholarship, Economical Backward, Alumni and Others		
Financial Support from Other Sources			
a) National	Scholarship by Tamil Nadu Government - FG, BC MBC, SC ST	1115	26994750
b) International	Nil	Nill	0
<a href="#">View File</a>			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Personal Counselling and Mentoring	19/08/2019	419	Dr.Babu Rangarajan Psychologist, Salem
Yoga and Meditation	09/09/2019	1017	1.Dr.R.Vetrivendan, Asst Siddha Medical Officer, Prof.Paramasivam, Sr. Professor, Manavalakalai Mandram and Mr.S.Karthikeyan Yoga Teacher Manavalakalai Mandram
Bridge courses	05/08/2019	319	First year Handling faculty
Language lab	31/08/2019	720	Strides Chennai
Remedial coaching	16/09/2019	929	KIOT faculty
Soft skill development	08/07/2019	1226	Vibha Salem, FACE Coimbatore, Mr.Vijayaraj Java, Trainer, Mr.Sugvanesh Sivaraj, Trainer
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed

2020	Competitive examinations and career counselling	544	93	13	464
<a href="#">View File</a>					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
21	21	5

## 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
Outsourcing Inc., Zoho Corporation, Cognizant, eNoah iSolutions, Aspire Systems, HCL Technologies, Virtusa, VVDN Technologies, Heraizen Technologies, Decathlon, Soft Square, eNoah iSolutions (BPO), Paragon Digital Services, Sutherland, etc.,	2786	438	CTS, Avasoft, Infosys, Quest Global, Wipro, TCS, Tech Mahindra, Capgemini, Granite River Labs, Hirotec India Private Limited, Mold Masters Technologies Pvt Ltd, RK Construction and Axis Global Automation	573	26

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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	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	B.E	Electronics and Communic	Sona College of Technology,	M.B.A

			ation Engineering	Salem.	
2020	1	B.E	Computer Science and Engineering	Thiagarajar School of Management, Madurai	M.B.A
2020	1	B.E	Computer Science and Engineering	Mahendra Engineering College, Nama kkal.	M.E
2020	1	B.E	Computer Science and Engineering	Knowledge Institute of Technology, Salem.	M.E
2020	1	B.E	Computer Science and Engineering	Knowledge Institute of Technology, Salem.	M.E
2020	1	B.E	Mechanical Engineering	Knowledge Institute of Technology, Salem.	M.B.A
2020	1	B.E	Electrical and Electronics Engineering	Sona College of Technology, Salem.	M.B.A
2020	1	B.E	Electrical and Electronics Engineering	Knowledge Institute of Technology, Salem.	M.B.A
<a href="#">View File</a>					

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

Items	Number of students selected/ qualifying
CAT	1
Any Other	13
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
Cultural - Poem Writing	Institute level	25
Cultural - Speech	Institute level	30
Cultural - Short film, Photography	Institute level	45
Cultural - Skit, Dumb Charades	Institute level	30
Cultural - Treasure Hunt	Institute level	60



Cultural - Ragazz , Dance , Instruments Play	Institute level	65
Sports - Foot ball (Men )	Institute level	60
Sports - Table Tennis (Men / Women)	Institute level	55
Sports - Basket ball (Men / Women)	Institute level	58
Sports - Carrom (Men / Women)	Institute level	42
<a href="#">View File</a>		

### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Winner	National	1	Nill	61121711 4173	S.Shabiyon
2019	Winner	National	1	Nill	61121611 4053	S.Jawahar Balaji
<a href="#">View File</a>						

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

Each department has a unique student association (council) whose members are elected every year based on academic performance and behaviour of the students. Student council members are occupying various key positions like secretary, treasurer, Joint secretary, joint treasurer and executive members. The council plays an important role in organizing seminars, workshops, conference, technical and non-technical events at national level and institute level. Student council members along with other interested students in the department actively involved in planning, organizing and conduction of various events especially symposia under the guidance and supervision of faculty members. Student council members are solely responsible for the preparation of department newsletter, magazine and souvenir. They also actively engaged in organizing events in various technical clubs, non-technical clubs, forums and associations functioning at institute level. In addition, student representatives are also participating in various academic committees as follows: 1. Class Committee: The main objective of the committee is improving the teaching learning process. Six student representatives in each class are the members of the committee. Three meeting are conducted at every semester. The student's members express their difficulties in learning and faculty members suggest the remedial action for their improvement. 2. Internal Quality Assurance Cell (IQAC): Student's representatives propose the activities to the college administration that would improve the quality of the outcome and also propose new initiative for skill development. One student from different programs are nominated as a student member. 3. Welfare Committee: student council ensures well discipline atmosphere in the campus for smooth conduction of academic activities and co-curricular, extra-curricular activities. 4. Library Committee: Two students are nominated as the student members of the

committee. Student's members express the collective suggestions for library resources improvement and recommend new books which are essential for their academic knowledge enrichment. 5. Sports Committee: Student's members plan the college sports day events and coordinate the events conduction. 6. Women Empowerment Cell: Student coordinator organizes the program related to gender discrimination, self-confidence development and health issues awareness. 7. Grievances Redressed and Empowerment Committee for SC/ST Students: Student members propose idea for SC/ST student's results improvement and suggest the training program for employability skill development of SC/ST students. 8. Equal Opportunity Cell: Equal opportunity cell is established with the objective to ensure equity and equal opportunity at large in college and enhance the diversity among the students, teaching and non-teaching staff population. Internal committee is constituted under this cell to take case of differently abled persons. 9. Social Media Cell: Social media cell is established with the objective of to use of key social media channels as the main platform for communication with the students, faculty members and parents and disseminate the college activities to public and all stakeholders.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

4628

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

315500

5.4.4 – Meetings/activities organized by Alumni Association :

2

### 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)

1. Student Run Technical Clubs: The Institute has more than 60 clubs and forums at department level which organize programs such as guest lectures, workshops and training on emerging areas to the students. The management allots funds to these clubs and forums in the beginning of the academic year. Each club has a faculty coordinator and student members. The faculty coordinator and student members are free to plan and execute the activities based on the requirements. Based on the activities conducted through clubs and forums, the students are able to gain knowledge and skill in emerging technologies and do mini projects through the concept "Make-A-Product (MAP). This help to participate in the contests and competitions conducted by leading companies and institutions and win prizes. 2. Active Student Participation in Student's Associations and Other bodies: Each department has a student association (Mechanical - FLAME, ECE- INTEC, EEE- AMBER'Z, CSE- SCINTEL, Civil- PACE) with students as office bears (Secretary, Joint Secretary, Treasurers and executive members) and they are elected every year based on the academic performance and behavior of the students. The office bearers are given liberty to plan and organize seminars, workshops, conference, symposium and non-technical events through associations. They also prepare department newsletter, magazine and souvenir under the guidance of faculty members. Every year the management allocate fund to all the

students association for organizing various technical and non-technical programs. The student representatives are also participating in various academic committees such as Class Committee, Internal Quality Assurance Cell (IQAC), Students Welfare Committee, Centre for Placement III (PAT III), Centre for Career Development and Training Cell (CDT), Library Committee, Sports Committee, Women Empowerment Cell, Grievances Redressed and Empowerment Committee for SC/ST Students, Equal Opportunity Cell and Social Media Cell. The views of the students are discussed and actions are taken.

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

Yes

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	<ul style="list-style-type: none"> <li>• The curriculum and syllabi for all the UG and PG Programs are framed by Anna University, Chennai and we are following the same.</li> <li>• The feedback from Employers, Alumni, parents, students and faculty are obtained to find the gap between Academia and Industry.</li> <li>• Based on the feedback Certificate courses and Value added courses are conducted.</li> <li>• Industrial Visits, Internships are arranged for the students to enrich the knowledge in current industry practices.</li> <li>• Conduct placement related training and make students industry ready</li> </ul>
Teaching and Learning	<ul style="list-style-type: none"> <li>• Students are assessed after admissions and specific programmes are organized for advanced and slow learners</li> <li>• Student centric teaching activities such as role play, flipped class, model based teaching, puzzles, games, case studies and Tutorials are conducted for better learning</li> <li>• ICT tools such as LMS, eLearning resources, smart class room, LCD projector and audio system, Wi-Fi are used.</li> <li>• The institution has a unique pedagogy, Make-A-Product (MAP) to enhance the students' technical skills. Industry linked laboratories are established to teach courses in emerging technologies and for experiential learning.</li> </ul>
Examination and Evaluation	<ul style="list-style-type: none"> <li>• The Institution adopts the evaluation system prescribed by Anna University.</li> <li>• Three Internal Assessment Tests (IAT) are conducted.</li> <li>• IAT question papers are prepared based on Outcome Based Education (OBE) and Blooms Taxonomy Levels.</li> <li>• The question papers are verified and approved by Head of the Department for Course</li> </ul>

	<p>Outcome (CO) coverage and knowledge levels. • Evaluation is done by course faculty based on the answer key. • The corrected answer scripts are distributed to the students within 3 working days after exam. • Marks are uploaded in Enterprise Resource Planning (ERP) portal in Anna University portal.</p>
Research and Development	<p>• Research Forum regularly conduct workshops on doing research, publishing Research articles, IPR and Patents • Incentives are awarded to teachers who receive State, National and International recognitions • The Institution has a stated code of ethics to check malpractices and plagiarism in research • Financial support is provided to faculty for attending workshops and conferences • Research facilities are created to promote research • Anna university approved Research centres of the college encourage the faculty to pursue the research. • International Journals and e-resources are subscribed to Library • Faculty are given increment and promotion after completion of Ph.D.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>• Adequate infrastructural facilities such as class rooms, laboratories are established as per the university norms. • Equipment and software are updated based on changes in curriculum. • Laboratories are modernized by obtaining grants from AICTE through MODROBS scheme. • Industry linked laboratories are created to teach emerging technologies to the students and faculty. • Equipment and physical infrastructure are maintained periodically. • ICT tools such as Smart classroom, LCD projectors, Wifi, Audio system, LMS, ERP, computing facilities with internet are used for better teaching and learning process. • Books and journals are updated for library as per AICTE and University norms. • E-resources are updated as per the requirements.</p>
Human Resource Management	<p>The institution supports the faculty members and non-teaching staff to enhance their professional development by: • Fulltime Faculty and staff are recruited as per AICTE and Anna University Norms • An exclusive induction training for new faculty members • Encouraging participation of</p>

faculty in workshops, orientation programmes, refresher courses, seminars, workshops and conferences organized by premier institution like IIT, NIT, IISE, etc • Permitting On-Duty to the faculty members with 100 sponsorship for attending Faculty Development Program, seminars, workshops, conferences and MOOC Courses

- Awards are given to good performing faculty on special occasions like Achievers Award functions and Annual Day every year.
- Exclusive HRD Cell and Research Forum device and execute Faculty development activities.

#### Industry Interaction / Collaboration

- MOUs are signed with leading industries for Training and skill development, placement, industry project, internship, in-plant training
- Industry linked laboratories are established for making students industry ready and improving placement
- Guest lectures are organised by inviting experts from industry.
- Employer feedback is obtained every year for teaching value added and certificate courses.
- Students are motivated to participate in contests and competitions organized by industries.

#### Admission of Students

- The institution admits students who meet the admission eligibility of the DOTE, Govt. of Tamil Nadu and AICTE
- Extension activities such as career guidance and competitions for school students, programs for 12th standard students are conducted to improve the admission.
- Meritorious scholarships are provided to students with high cut-off marks in 12th standard.
- Special scholarships under sports quota are provided to students
- Students are guided and supported to get government and non-government scholarships under different schemes

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

E-governance area	Details
Planning and Development	The institute uses ICT in the process the planning of college-events, activities and academics through personal e-mails and Whatsapp. The college uses IMPRES ERP software for planning and developing Lesson plan, Individual student performance and students feedback. Important notices, reports and communication are also

circulated via e-mails and Whatsapp to the faculty as well as students. To achieve the target of paperless communication and processes, it has started using Google facilities like Google Form, Google Sheet and Google Drive.

#### Administration

The Administration of the College functions with E-governance system at College level. The college uses the modules like student attendance, library, transport, hostel and stock inventory of Impress ERP software for administrative purposes. The college campus is equipped with CCTV Cameras installed at various places of need. College staff members use smartphones with inbuilt social app like Whatsapp and Gmail to communicate. WhatsApp Group helps to provide brief notices of any event to be happened in college.

#### Finance and Accounts

The college uses the Tally ERP 9 Gold software for E-governance of transparent functioning of Finance and Accounts department of the college. This helps to increase the efficiency of staff towards the accuracy in financial transactions. The administrative office maintains the reports and books of accounts generated from the software which helps in auditing procedure.

#### Student Admission and Support

The student admission process executes two different modes, one is government quota and another one is management quota. The government quota students are directly using the Directorate of Technical Education (DoTE) website in single window counselling method. On the other side management quota students are using college website and IMPRES ERP software for admission purposes.

#### Examination

The College has the separate Examination cell equipped with ICT tools necessary for examination purpose. As per the requirement of Examination cell, all the necessary equipment are provided by the college such as separate desktop, internet facility for paper downloading and further activities of exam purpose. In the university exam the entire process is carried out on Anna University web portal and the internal exam activities are also carried out by IMPRES ERP

**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.Rajesh	Two Day Industry Conclave and hands on workshop on deep learning @ PSG College of Engineering, Coimbatore	Nill	1000
2019	Mr.K.Rajesh	UGC National FDP on Revised NAAC Accreditation Frame work: Issues and Challenges by IQAC at Sri Sarada College for women ,Salem	Nill	300
2019	Mr. G. Rahamanickam	One Day workshop on Arduino, a course in the IoT Series on 08.02.2020 at IIT- Bombay	Nill	1100
2019	Mr. P. Shanmu gasundaram	One Day workshop on Arduino, a course in the IoT Series on 08.02.2020 at IIT- Bombay	Nill	1100
2019	Mrs.A.Elavarasi	One Day workshop on Arduino, Conducted by ICT academy IIT- Bombay at KIOT	Nill	1100
2019	Mr.S.Dheepak	UGC National FDP on Revised NAAC Accreditation Frame work:	Nill	300



		Issues and Challenges by IQAC at Sri Sarada College for women ,Salem		
2019	Mr.K.V.Rangasamy	National Faculty Development Program in Entrepreneurship	Nill	6326
2019	Mr.M.Sathyanthan	Participated in a One Day Sensitization Workshop on National Initiative for Technical Teachers Training organized by National Institute of Technical Teachers Training and Research at Sri Krishna College of Technology, Coimbatore	Nill	466
2019	Dr.K.Visagavel	CII Startup Conclave Organises The Next Wave and Indian Economy, Hotel Hilton, Chennai	Nill	1982
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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)
2019	Faculty Development Program on Leap Forward	Nil	07/12/2019	07/12/2019	37	Nill
2019	Expert Interaction program -	Nil	22/08/2019	22/08/2019	108	Nill



	Stress is an Evil but Happiness is our choice					
2019	Nil	Expert Interaction program - Stress is an Evil but Happiness is our choice	22/08/2019	22/08/2019	Nil	30
2019	Awareness on Provident Fund and Its Benefits	Nil	29/07/2019	29/07/2019	47	Nil
2019	Orientation Program	Nil	17/07/2019	18/07/2019	25	Nil
2019	Faculty Development Program On Enhancing Teaching Learning Skills	Nil	05/11/2019	07/11/2019	35	Nil
2019	Nil	One Day Awareness Program on Laboratory Safety	12/11/2019	12/11/2019	Nil	10
2020	Workshop on Stress free Workspace	Nil	11/02/2020	13/02/2020	78	Nil
2020	Nil	Training on MS Office	20/12/2019	20/12/2020	Nil	12
2020	Design Thinking PART-1	Nil	06/05/2020	06/05/2020	135	Nil
<a href="#">View File</a>						

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	Number of teachers who attended	From Date	To date	Duration
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development programme				
Attended an online workshop on Hands-on training on Solar Study Lamp Assembly	5	01/05/2019	31/12/2019	180
Participated in a FDTP on ME8595-Thermal Engineering II at Sri Krishna College of Technology, Coimbatore	2	27/05/2019	01/06/2019	6
Students Induction Programme at PSG-i-Tech, Coimbatore	2	17/06/2019	23/06/2019	7
"Python Workshop" organised by the Teaching Learning Centre ICT at IIT Bombay, held at Knowledge Institute of Technology, Kakapalayam.	18	22/06/2019	22/06/2019	1
Attended a FDP on PMO-IEDP (Programme Monitoring Office-Innovation Entrepreneurship Development Programme) at Sona College of Technology, Salem	1	11/07/2019	13/07/2019	3
Attended a Faculty Orientation Program at Knowledge Institute of Technology, Salem.	6	17/07/2019	18/07/2019	2
UGC National FDP on Revised NAAC	7	27/07/2019	27/07/2019	1

Accreditation Frame work: Issues and Challenges by IQAC at Sri Sarada College for women, Salem				
Attended an Awareness Program on Provident Fund and its Benefits at Knowledge Institute of Technology, Salem.	13	29/07/2019	29/07/2019	1
Attended an Expert Interaction program titled Stress is an Evil but Happiness is our choice at Knowledge Institute of Technology, Salem.	31	22/08/2019	22/08/2019	1
Attended a Workshop on Energy Auditing and Management at Periyar University, Salem.	1	28/08/2019	29/08/2019	2
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
11	11	12	12

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
15	10	8

### 6.4 – Financial Management and Resource Mobilization

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

Institution conducts internal and external financial audits regularly. Internal and external auditors are appointed by the KIOT Trust. Internal audit conducted by the Internal Audit Committee (Audits previous 3 months income and expenditure) and External audit conducted by the Chartered Accountant. The

Internal Audit Committee (IAC) members are not a part of Board of Trustees. The IAC audits the accounts of the College and the trust once in three months and submits their finding in the General Body Meeting (GBM) of the trust and Board of Trustees Meeting (BoTM). BoTM/GBM sends necessary instructions to make the accounting system better. IAC examines the accounting of various incomes and expenditure. It also reviews the amount spent against the Sanctioned Budget in various heads on the quarterly basis. The trust has appointed an external auditor. He audits the accounts and compliance with respect to State and Central Government norms once in three months. Audited Statement of account is submitted every year to the Income Tax department.

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
Aspire Systems , SATVAT, NSEIT, Eduquity Career Tech P. Ltd and TCS ion	8216930	Aspire Bright star scholarship, RRB- CBT online exam, TRB online Exam, NATA Exam and online exam
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

38100000
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## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	Yes	Knowledge Institute of Technology
Administrative	No	Nill	Yes	Knowledge Institute of Technology

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

- Parents - Teachers meeting is conducted regularly to improve the performance of students in academics and placement
- Parents give suggestions for institutional development
- Parents help the institution to get admissions

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

1 Conducted Expert Interaction program - Stress is an Evil but Happiness is our choice on 22.08.2019 and 30 supporting staff has participated 2 Conducted One Day Awareness Program on Laboratory Safety on 12.11.2019 and 10 lab technicians has participated 3 Conducted Training on MS Office on 20.12.2019 and 12 supporting staff has benefitted

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

1. Rs. 10.60 fund received from AICTE and Laboratory was modernized with latest equipment and software 2. Got NBA accreditation for 4 B.E programs Mechanical, ECE, EEE and CSE 3. Initiatives were taken to get A grade in NAAC reassessment

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	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
2020	Applied two new undergraduate programs B.Tech. (IT) and B.Tech. (CSBS)	Nil	Nil	Nil	Nil
2020	Webinar on "Exploring Outcome Based Education (OBE) and NBA Process"	Nil	07/05/2020	13/05/2020	513
2020	Webinar on "NBA Accreditation Process on Polytechnic Colleges"	Nil	28/05/2020	01/06/2020	440
2020	FDP on Material preparation for online teaching and online delivery strategies	Nil	16/06/2020	24/06/2020	150
2020	AICTE Sponsored STTP on Application of AI in overcoming the challenges of Healthcare industry – Part 1	Nil	16/11/2020	21/11/2020	42
2020	AICTE Sponsored STTP on Application of AI in	Nil	07/12/2020	12/12/2020	42

	overcoming the challenges of Healthcare industry - Part 2				
2020	AICTE sponsored One-week STTP on Big- data Analytics and Cybersec urity in Smart Grid Monitoring and Control (SLOT-I II)	Nill	26/10/2020	31/10/2020	103
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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
International Women's Day Celebrations with a guest lecture Titled "Real Beauty of Being Woman"	10/03/2020	10/03/2020	450	Nill
International Women's Day Celebrations - Competition Events	20/02/2020	22/02/2020	350	Nill
Awareness seminar on 'De- addiction and rethinking the challenges of women's safety' (Faculty members)	21/01/2020	21/01/2020	30	Nill
Awareness seminar on 'De- addiction and rethinking the challenges of women's safety'	21/01/2020	21/01/2020	520	Nill

(Students)				
Compliance in Prevention of Sexual Harassment & Gender Sensitization for Girl Students	03/10/2019	03/10/2019	128	Nill
Table Talk on Rural and urban activists transforming women's lives	09/09/2019	09/09/2019	28	Nill
WEC Inauguration & Awareness program on Hair Donation to Cancer Patients with special lecture on Role of Women in Society	28/08/2019	28/08/2019	356	Nill
Orientation on Women Empowerment & Gender Sensitization	13/06/2019	13/06/2019	90	Nill

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
<ul style="list-style-type: none"> <li>Green Campus- Diverse species of plants were planted in the campus with focus of minimum water consumption in an eco-friendly manner</li> <li>One Student One Tree- As per instruction of AICTE, each student in the college is encouraged to plant a tree in the campus or in his/her living place</li> <li>Plastic free campus - "Say No to Plastics" banner and posters are displayed around the campus by the student volunteers to create awareness on ill effects of plastics. Usages of plastic bags are prohibited in the campus</li> <li>Reduced Power Consumption for lighting- 60 of lighting source is through LED bulbs that reduces the annual power requirement for lighting</li> </ul>

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
Rest Rooms	Yes	Nill
Braille Software/facilities	No	Nill
Scribes for examination	Yes	Nill
Special skill	Yes	Nill

development for differently abled students		
Any other similar facility	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	Nil	17/08/2019	5	Communication skills (Level-5)	Students have to be good at communication to exhibit the talents and explain their projects in industries.	52
2020	Nil	1	24/04/2020	1	Career Guidance Program for 2 Students	Empower school students to pursue higher studies by engaging local school students community	450
2020	Nil	1	04/01/2020	2	12 th Success maths (100 / 100)	College provides the guidance to 2 students to secure 100 marks in maths by engaging local school	1500



						students community	
Nil	Nil	1	29/02/2020	23	Pooled Off Campus Drive	College Provides Placement Opportunity for Arts and Science and Polytechnic students of local community	8093
<a href="#">View File</a>							

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

Title	Date of publication	Follow up(max 100 words)
Institutional Policy/Guidelines	03/06/2019	<a href="https://www.kiot.ac.in/institution-policy/">https://www.kiot.ac.in/ institution-policy/</a>

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Free Homeopathy Medical camp at Perumakoundampatti	15/03/2020	Nil	110
Corona Virus Awareness Programme - Pledge taking ceremony	11/03/2020	Nil	400
Special Camp (Conduct of survey in the adopted villages)	05/03/2020	11/03/2020	450
Health Awareness Programme	09/03/2020	Nil	80
Tree Sapling Event	07/03/2020	Nil	52
Free medical screening camp	05/03/2020	Nil	50
Corona Virus Awareness Programme	10/10/2020	Nil	300
National Voters day Celebration	25/01/2020	Nil	120
National Unity Day Birth Anniversary of Sri Vallabhai Patel	31/10/2019	Nil	300
Vigilance Awareness Week	28/10/2019	Nil	420

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

- Green landscaping with trees and plants – The institution has around 600 trees in the campus to ensure zero carbon emission and pollution.
- The buildings are constructed in a way to collect the rain water from the roof top, and bare landscape.
- The provision for the collection and storage of rainwater is been provided for recharging the ground water.
- Plastic free campus – “Say No to Plastics” banner and posters are displayed around the campus by the student volunteers to create awareness on ill effects of plastics. Usages of plastic bags are prohibited in the campus.
- Pedestrian friendly roads and platforms are laid in the campus.
- Save Energy – Usage of LED bulbs have been initiated to use the energy in effective way.

## 7.2 – Best Practices

### 7.2.1 – Describe at least two institutional best practices

**Domain Specific Training for Enhancing Placements Objectives of the Practice:** To train the students on specific domain as per the industry vertical and make them industry ready. The students thus trained need not undergo training after recruitment and will be able to get inducted in to the project with shorter training. The context: The requirement of industries has changed, earlier industries recruit fresher as trainees and provide training in the specific technology as per the requirement for a period of 3 to 6 months in the industry premises. After the training they are inducted in the project. But in the recent days the recruitment model has changed. The industries rely on domain specific hiring. They hire the students with skills in specific domain and induct them in the project without any major training. Thus, industries cut down the expenses incurred in training on technologies. As the hired students have domain specific skills, they are billable from day one. The Practice: KIOT has good industry linkages. Suggestions and inputs are obtained from the industry personnel to identify the thrust areas. The training is accordingly planned. Industrial hiring has taken a drift from mass hiring to bucket hiring. To adopt to the changes in industry recruitment process, KIOT has evolved the practice of training the students in niche areas/technologies on various domains of different branch. Centre of Excellence (CoE) on technologies with demand are created with industry linkages. Students are trained during the 6th and 7th semesters on specific technologies through the COEs. The students trained through COEs enhance their skill in the particular technology domain. This helps them in getting placed in different industries looking for such domain specific skill sets. Industries come for recruitment to KIOT to recruit such students for their specific domains. The following are few COE based industry training given to the students

1. Composite Research Centre for product design, digital manufacturing and Technical Documentation was established in association with Harita Techserv Pvt. Ltd., Coimbatore, to train the students on Solid Modelling and Analysis
2. Centre of Excellence on Data Science was established in association with Virtusa, Chennai to train the students on Big data and Data analytics
3. Centre of Excellence for Industrial Automation in association with GENN automation, Coimbatore to train the students on Industrial Drives
4. Centre for Sustainable Building Research in association with USGBC to train the students to get LEED certification
5. Centre of Excellence on Embedded systems in association with STEPS knowledge services Pvt. Ltd., Coimbatore to train the students on embedded systems
6. Centre for Japanese Language training

Students are encouraged to learn foreign language especially Japanese through the centre for foreign language. Since 2017 students are trained on Japanese language in association with ABK-AOTS

**ERODE CHAPTER.** Dedicated trainers are available in the campus to train the students. A native Japanese trainer gives training to the students for advanced level certification. Evidence of success: The training given to the students through the COE have earned job offers from various industries. The following

are the details of impact of the domain specific training 1. Around 60 - 80 Mechanical Engineering students are trained every year in "Modeling and analysis" through Composite Research Centre for product design, digital manufacturing and Technical Documentation in association with Harita Techserv Pvt. Ltd., Coimbatore. Among the trained students 80 of them are placed in Harita Techserv Pvt. Ltd. and other Industries 2. Every year 30 to 40 students are trained on "Data Science" through the COE in association with Virtusa, Chennai. Among the trained students around 25 students get employment in Virtusa. 3. Training on "Embedded systems" is provided to around 30 students every year through the COE on Industrial Automation in association with GENN automation, Coimbatore. The trained students got placement offers in core industries like VVDN Technologies, Tata Communications etc., 4. Every year 20 students are trained in Centre for Sustainable Building Research (LEED) in association with USGBC to get LEED certification. The certified students got placement offers from Innowell Pvt. Ltd. 5. STEPS knowledge services Pvt. Ltd, Coimbatore, train around 40 students every year on "Embedded Technologies and IoT" through the COE at KIOT. Among the trained students 25 to 30 got placed in industries like G.G.Trionics Pvt Ltd., Robert Bosch, Jasmine Infotech, Yamaha Motor Electronics India Pvt, Ltd., etc., Every year Japanese trained students appear for JLPT (Level N5-N3) and get certification. The students with N5 and higher certifications are recruited by HCL, TCS, CTS and Japanese companies.

Around 35 students get placement only through the Japanese language certification. Problem Encountered and Resources Required: The following are the major problems encountered during execution 1. Students find it difficult to balance regular academics and industry specific training 2. Faculty members are loaded with additional workload 3. Few of the trained faculty resign due to various reasons, creating the non-availability of trainers 4. Sometimes, if the demand in the industry are low, the students could not get job in trained domain 5. Availability of industry resource persons to train the students 6. Changes in policy of the industries, to support such COEs

**Experiential Learning (Make A Product)**

**Leading to Contest Participation and Placements**

**Objectives of the Practice:**

- To make the students apply the learning to solve problems and show case their ability to provide solutions in common forum
- To execute the innovative ideas of students in modern era as projects/products
- To enrich their professional skills to become real world industry ready engineers

**The context:** Producing skilled and employable engineers is a fundamental requirement of any institution to satisfy the current industrial needs. At the same time, there is a gap existing between curriculum and industry needs. The students learn the prescribed syllabus but do not apply it in solving the real-world problems. The Practice: KIOT has the practice of making the students learn by doing. Technical clubs are created in every branch to facilitate the students to get trained on such domains using academic and industry linked labs, students carryout MAP. Make A Product (MAP) is the practice in which the students as a team create applications for a specific problem. Second and third year students submit the idea to the Faculty mentors. They guide the students to implement the idea and show case it during the exhibitions and project contests. The students as a team create products and exhibit it in contests at national level. Contest participation brings an exposure to the students with knowledge sharing among the peer contestants from various states and from various institutions. The ideas and suggestions given by the evaluators provide a platform for the students to commercialize/patent their products. Government of India organizes "Smart India Hackathon" for students to exhibit their technical ability to provide solutions for the problems given. Many industries follow contest-based hiring for their recruitment process. Google codejam, TCS CodeVita, TCS Ninja, ZOHO Cliq Trix, UiPath RPA Challenge, Virtusa Neural Hack, Quest Global Ingenium, etc., are some of the contests in which KIOT students have participated and won awards and placement offers. Evidence of success:

- Every year students participate in "Smart India Hackathon". During the Smart

India Hackathon 2019 held at Hyderabad, Delhi and Hariyana, 3 teams got selected for the Grand Finale. • One Team qualified for the quarter final and got Rs. 20,000 as a cash prizes with Texas Kits in the Texas Instruments India Innovation Challenge Contest – IICDC 2018 • Four Students got selected for final round and received a gift voucher of Rs. 500 from Amazon in Texas Instruments Online Contest – (DristiTI) • Two students of CSE got placement offer in TCS through TCS CODEVITA Contest • Among 14 Teams participated, 1 Team got third prize and received as a cash award of Rs. 25,000 in Cliq Trix'19 – A ZOHO App Building Contest • Out of 30 teams participated, one Team got cash prize of Rs. 30,000 in Thinkahack Contest – UiPath RPA Challenge • 1 student of CSE got offer letter in Virtusa through Virtusa Neural Hack contest • 4 students got offer letter in TCS through TCS Ninja Contest • 2 students of CSE got Internship cum offer letter in Virtusa through Virtusa Codelite Contest

Problem Encountered and Resources Required: Experiential learning, Make A Product requires student involvement, support from the industry and financial support. • Getting industrial experts from MNCs as the Advisory Board for Technical Club is challenging. • KIOT, being a self-financing institution, finds a challenging task in providing financial support for the students.

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

<http://www.kiot.ac.in/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

360° or OVERALL PERSONALITY DEVELOPMENT OF STUDENTS INTRODUCTION 360 degree or Overall Personality Development Program has been designed for improving the Communication skills, Problem solving skills, Interpersonal skills, Entrepreneurial skills, Interview skills, Programming skills and to inculcate Values and Ethics and Life skills of the students. The main objective of this program is to enhance the skillsets required for students to be industry-ready or to be a successful entrepreneur. Based on the feedback received from the stake holders, training requirements are finalised by the senior academicians through brainstorming. THE CONTEXT The accountability of an educational institution does not end with making student a graduate, but to nurture talent, entrepreneurship, all-round personality and value system among the students and to foster global competitiveness among the students. THE PRACTICE Centralized Training and Placement team is functioning to groom the students to be industry ready during the period of study, integrating social identity with self-identification. Knowledge Institute of Technology offers about 800 hours of training in personality development.

Provide the weblink of the institution

<http://www.kiot.ac.in/institution-distinctiveness/>

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

1. Obtaining new Courses B.Tech. ( IT) and B.Tech. (CSBS) 2. To get A Grade in NAAC Reassessment 3. Obtaining Autonomous status for the institution