



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

KNOWLEDGE INSTITUTE OF TECHNOLOGY

KIOT CAMPUS, KAKAPALAYAM (PO)

637504

www.kiot.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Knowledge Institute of Technology (KIOT) is established in 2009 by Knowledge Institute of Technology Trust (KIOT Trust). KIOT Trust is comprised of 22 Academicians in Engineering Education, 7 working Professionals in India and Abroad and 15 Budding First-Generation Entrepreneurs with experience in teaching, research and administration. The college is approved by AICTE, New Delhi and affiliated to Anna University, Chennai. The Institution offers 5 years B.E. degree programs in Mechanical Engineering, Civil Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering and Computer Science and Engineering. At M.E. degree level, KIOT offers 4 programs with specializations in Industrial Safety Engineering, VLSI Design, Computer Science and Engineering and Embedded System Technologies. Ph.D. programs are also offered in Mechanical Engineering and Electronics and Communication Engineering departments and have applied for EEE department.

KIOT is functioning at 10 acres green campus with 2.50 lakh sq.ft built up area for academics and over 1.00 lakh sq.ft buildings for hostels and other amenities. KIOT is accredited by NAAC in 2017 with B++ grade (2.80/4.00) for 5 years. Four B.E. programs (MECH, ECE, EEE and CSE) have been accredited by NBA in April 2019 for 3 Years.

Because of unique programs and good placements, within a span of 10 years, KIOT has emerged as the preferred choice for students in the Salem-Namakkal districts. In the Tamil Nadu Engineering Admissions (TNEA) counselling for admissions to B.E. programs, KIOT seats were filled within Top 2 in Salem–Namakkal districts, Top 20 in the Coimbatore Zone comparing 8 districts and Top 60 in the state.

Various activities of KIOT are planned and executed to fulfill the following prime mottoes.

- World Class Education
- Degree on Time
- 100% Placement
- 360° Personality Development
- Ethics and Values based Education
- Culture of Innovation and Creativity

KIOT has adopted OBE system of NBA for past 4 years to ensure the quality of students produced. To take care of various OBE requirements, about 70% time in timetable is devoted to teaching syllabus and remaining 30% time is used for developing students on various curricular and extra-curricular activities through 60+ forums, clubs and associations.

Vision

To be a world class institution to impart value and need based professional education to the aspiring youth and carving them into disciplined world class professional who have the quest for excellence, achievement orientation and social responsibilities.

The Vision statement of the institution is framed in aiming at the following aspects

- To create facilities at the best in its class level at the moment and on par with the global level in 20-25 years from establishment, “To be a world class institution” is incorporated in the vision statement.
- To practice professional ethics in its career, “disciplined world class professionals” and “social responsibilities” are incorporated in the vision statement.
- To excel in the global level competition “quest for excellence” and “achievement orientation” are incorporated in the vision statement.

To move towards the vision of becoming a world class institution, the institution has developed target for progress in every 5 years as follows

Year	Target	Progress Made
2009	Establishment of the Institution	Started functioning in 2009
2015	One among the Top 5 Institutions in the region	Top 2 at TNEA 2015 in the region
2020	One among the Top 10 Institutions in Western Tamil Nadu	Top 20 at TNEA 2016 in Western Tamil Nadu
2025	One among the Top 25 Institutions in Tamil Nadu	Top 60 at TNEA 2016 in the region
2030	One among the Top 100 Institutions in the country	
2035	One among the Top 500 Institutions in the world	

Mission

1. To promote academic growth by offering state-of-art undergraduate, postgraduate and doctoral programs and to generate new knowledge by engaging in cutting – edge research
2. To nurture talent, entrepreneurship, all-round personality and value system among the students and to foster competitiveness among students
3. To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry
4. To pursue global standards of excellence in all our endeavors namely teaching, research, consultancy, continuing education and support functions

The Mission statements are constructed in align with the Vision statement. The mission statements were arrived by keeping the following parameters and requirements of the stakeholders.

- State of art programs and facilities are required to become a best in class institution.
- Cutting edge research, publication and citations are essential parameters in national and world wide accreditations and rankings.
- To become globally competitive, talent, entrepreneurship, all-around personality and value system among the students must be nurtured.
- Being an engineering education institution, interaction with industry and collaborative projects are necessary to produce the engineering graduates to meet the fast changing industry challenges and needs.
- In all ingredients or activities in an institution, pursuing global standards of excellence are very much

needed to achieve the institute vision.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The promoters (22 members) themselves have 20+ years of experience in Engineering Education
- Dedicated and well qualified faculty and staff
- NAAC Accredited in 2017
- Four B.E. programs (MECH, ECE, EEE, CSE) are accredited by NBA in 2019
- Unique (800+ hours) methodology developed by the institution in student development and training
- Good Placements right from inception (>80% year on year)
- 60+ clubs, forums and associations for student centric learning and development.
- Various specially created industry linked laboratories for training the students towards industry requirements. Industries associated are Virtusa, Intel, TI, Harita-TVS, WIPRO, IIT-B, USGBC and others
- Make a product (MAP) concept for experimental learning, product development and contest participation
- Exclusive centres for entrepreneurship development and higher education in India and Abroad
- International certification programs: LEED (USGBC), IAPMO and VLSI in addition to in-house certificate and value added courses and vocational education training
- Associations with professional societies like IEEE, SAE-India, IET, IAPMO, ISTE, ISHRAE, CSI, IEL, CII-Salem, MMA-Salem, SPC-Salem, etc.
- MSME Incubation facility with Rs. 66.25 lakh funding
- AU recognized Research Centre in MECH and ECE and applied for EEE
- HRD cell for developing faculty in addition to attending FDPs and MOOC/NPTEL courses
- ICT enabled class rooms, Wi-Fi enabled campus and good laboratory facilities
- 2 Gold medals and 54 University Ranks have been received by the students of various programs in the institutional level
- Institution has been awarded “One among the Top 3 Colleges across India” in AICTE-CII Survey of Industry Linked Technical Institutes – 2016 under the category “Emerging Engineering Colleges”
- Institution has been awarded “Best Rotaract Club Award” at national level in the year 2016
- Institution has been awarded “Best Performing Institution” for Innovation of Engineering & Technology - IET'16 by Recruitment Analysis Council
- Institution has been awarded “One among the Top 50 Colleges across India” in IBM’s “The Great Mind Challenge – 2015”
- Institution has been awarded “35th position in India” in CSR-GHRDC survey in 2014

Institutional Weakness

- More departments need to become University recognized Research Centres.
- More funded research activities need to be carried out
- More faculty with Ph.D. qualification need to be recruited
- More publications, citations and patents are needed
- Students and faculty from other states need to be inducted
- M.E. and Ph.D. admissions need to be improved

Institutional Opportunity

- Improving the admissions quality as India is a country with 130 crore population and GER in higher education is about 28%
- Improving the ranking of the institution in terms of admission and placement
- R&D, funded projects, product development and patents, and start-ups
- India being a developing country, opportunities are more for graduates
- Only few colleges of excellence are available
- Student development and Entrepreneurship
- Inter disciplinary curriculum and research
- Community development and outreach
- More Industry Institution interaction

Institutional Challenge

- Engineering admissions across the country haven't fallen
- Lack of motivation among the current generation towards engineering education
- Grooming students skill sets towards current industry standards
- Industry expects strong technical skills. Being an affiliated institute, imparting value added courses to bridge curricular gaps have always been a challenge
- Attracting a well-qualified, passionate best talent into the teaching profession is a challenge
- Fulfilling the needs of students, parents and employers by higher education institutions is a big challenge

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The curriculum and syllabi for all the UG, PG and Ph.D. programs are framed by Anna University, Chennai and effective curriculum delivery is ensured at KIOT by following means:

- Release of Academic Calendar (AC) for every semester by Anna University (AU)
- Planning and scheduling of AC by the institution in adherence with university's AC with dates for college reopening, internal assessment schedules, practical exams and university theory exam commencement dates
- Preparation of AC by each department containing the various extracurricular and co-curricular activities to be carried out during the semester
- Course coordinator to conduct meeting with course handling faculty and perform course CO-PO mapping, set the target CO to be attained
- By reviewing the feedback of the previous batch for the same course, actions been taken for the upcoming semester classes, prepare lesson plan, course plan, slow learners' materials, assignment and assessment questions, identify usage of ICT tools for the course and prepare for the delivery of the contents
- Conduction of Performance Enhancement Test (PET) periodically to assess the students and categorize them into Bright Performers, Moderate Performers and Slow Learners

- Internal Assessment Test will be conducted and Discussion with students individually post IAT to give inputs on their performance
- Students to accomplish previous university question paper analysis to increase their course knowledge from the exam point of view
- Organize seminars and guest lectures thereby exposing students to various latest technologies and methods being followed in industries
- Visiting industries to improve practical knowledge as well as fulfill CO-PO gaps identified
- Motivate students to attend Certificate Courses (CC), Value Added Courses (VAC) and Vocational Educational Training (VET) during semester evening hours and holidays based on the requirements
- In-plant trainings (IPT) or internships in industries are arranged during semester holidays
- Various new initiatives been suggested by IQAC every year
- Structured feedback received from all stakeholders to enhance the quality of education at KIOT

Teaching-learning and Evaluation

- The institution admits students who meet the admission eligibility of the DOTE, Govt. of Tamil Nadu and AICTE
- Average enrollment percentage is **75.65%**
- Average percentage of seats filled against seats reserved for various categories is **76.05%**
- Special programs for advanced learners and slow learners are conducted after assessing the level of the students
- Student-Full-time teacher ratio of the current year is **15.22**
- Student-centric methods, such as experiential learning, project based learning, ICT enabled learning and different problem-solving methodologies are adopted for enhancing learning experiences
- Average percentage of teachers using ICT for effective teaching with LMS, e-learning resources, etc., is **100%**
- The ratio of students to mentor for counseling academic and stress related issues is **17.33**
- The innovative content delivery methods such as Workshops, Guest Lectures, Quiz, Role-plays, Seminars, Symposiums, Conferences, Video Lectures, Industrial visits are planned to deliver the content beyond syllabus
- Average percentage of full-time teachers against sanctioned posts is **100%**
- Average percentage of full-time teachers with Ph.D. is **9.6%**
- Average teaching experience of full-time teachers is **9.34 years**
- Average percentage of full-time teachers who received awards and recognition fellowship at State, National, International level from the government, recognized bodies is **61.74%**
- Average percentage of full-time teachers from other States is **1.76%**
- Continuous Internal Assessment Tests (IATs) are conducted as per the planned schedule and is subjected to reforms
- A transparent and robust internal assessment system is used to evaluate the students' performance
- A transparent and efficient examination grievance mechanism is adopted to solve the examination related issues of the student within the short time interval
- The PO, PSO, and CO of all the programme are displayed on institution website and stated to various stakeholders through proper communication platform
- The Institution assess the attainment level of CO, PO, and PSO and its attained levels are reviewed by Programme Assessment Committee (PAC) for further improvement
- Average pass percentage of students is **73.89%**

Research, Innovations and Extension

- Grants for research projects to the extent of **Rs. 84.94 Lakhs** sponsored by government and non-government sources
- faculty members are recognized as research supervisors at present in Anna University
- research projects funded by government and non-government agencies (21 Government Projects and 06 Non Government Projects)
- The Institution has in place an ecosystem for Innovation and Entrepreneurship Development Cell (EDC) and Institutes Incubation Centre (IIC) for Product Development.
- The research committee consists of Principal, Head – IQAC and HODs. The research committee decides and plans the research related programs in the college
- Number of Workshops/seminars conducted on Intellectual Property Rights and Industry-Academia innovative practices is **38**
- The Institution has a stated code of ethics to check malpractices and plagiarism in research
- Incentives are awarded to teachers who receive State, National and International recognitions
- A total of **16** scholars have completed Ph.D. Degree
- research papers are published in journals notified on UGC website
- books/chapters in edited volumes/books and papers in national/ international conference proceedings are published
- **32** awards received from the government/recognized bodies
- Different extension activities conducted by NSS/YRC/RRC/Rotract/JCI/Green Club to sensitize students to social issues
- **480** linkages for faculty exchange, student-exchange, internship, on-the-job training and research
- **31** functional MOU's with on-going activities with institutions at national and international level

Infrastructure and Learning Resources

- KIOT has **46** class rooms, **5** smart class rooms with ICT facilities.
- KIOT has more than **60** clubs which offers a mixture of technical and non - technical activities to develop the organizational skills of the students and Make a Product (MAP) to further scale up their technical knowledge and innovation
- KIOT has **55** laboratories for academics and **17** laboratories with industry linkages.
- Library is automated with Integrated Library Management System (ILMS) , with a total collection of **20242 books , 1450 project reports, 127 printed and e-journals, 29 magazines,8 newspapers and 1804 multimedia packages** like CDs and DVDs
- Digital library equipped **34** computer systems with internet connectivity caters the students' needs.
- Subscriptions like e-journals, e-books and other databases are available
- Average annual expenditure per year for purchase of books and journals is over **Rs.10.0 lakhs**
- Average Per day usage of the library by teachers and students is **12.3**
- The institution has well equipped IT infrastructure with **973** computer systems interconnected.
- The institute has 24*7 internet facility with bandwidth of **93 Mbps** for students and wi-fi hotspots enable the internet facility throughout the campus The Wi-Fi facility is also available inside the hostels.
- Institution has well equipped media center to create video lectures by the faculty members.
- Institute follows systematic procedures to maintain infrastructure facilities.

Student Support and Progression

- Average percentage of students who received scholarships from the government is **54.31%**
- Average percentage of students who received scholarships and other freeships from the institution is **27.15%**
- Academic Guidance for Competitive Examination, Soft Skills Training, Language Lab, Remedial Coaching, Bridge Course, Yoga and Meditation Classes are provided for the students for overall personality development and growth. Students are continuously mentored by providing career guidance and personal counseling.
- Average percentage of students benefited by guidance for competitive examinations and career counseling offered by the institution is **70.78%**
- Average percentage of students benefited by Vocational Education and Training (VET) is **28.71%**
- Anti-Ragging, Internal complaints and Student Grievances which are received both in person and through suggestion box system are monitored by various committees and addressed then and there.
- Average percentage of placement of outgoing students is **74.13%**
- Average percentage of outgoing students going for higher studies is **2.56%**
- Average percentage of students qualifying in State/ National/ International level examinations **93.98%**
- A total of 54 awards/medals have been received during last five years by the students for their outstanding performance in sports/cultural activities at national/international level
- Students are provided key role in department association, technical and social clubs and professional societies to develop their organizational skills, managerial skills, leadership skills, and technical skills.
- Students are provided opportunities to express their suggestions and views in class committee meetings, online feedback mechanism, meetings with Principal, Vice-Principal and HODs, IQAC meetings, meetings related to co-curricular and extracurricular activities
- Average number of sports and cultural activities/ competitions organized at the institution level per year is **57.4**
- Alumni Association invite alumni to give guest lectures on the topic beyond curriculum and also give the interview tips to students a hands-on experience of the interviews
- Alumni contribution during the last five years is 10 lakhs
- A total of 10 Alumni Association / Chapters meetings were held during the last five years

Governance, Leadership and Management

KIOT is guided by a Governing Council. The Council is chaired by the Management Trustee of KIOT Trust, and the Principal is the Member Secretary of the Council. Its members include representatives of the Directorate of Technical Education - Govt. of Tamil Nadu, industry, academicians and faculty members. The Council advises on the policies and overall management of the college. The Principal provides administrative and academic leadership to the college.

- Various committees headed by senior faculty members are formed by the Principal. These committees help in the decentralization of work and ensure collective responsibility among faculty
- All staff members are given enough freedom to express their views and their innovative ideas
- HoDs plan the Annual Budget of respective departments.
- Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies is **49.50%**
- Average number of professional development programs organized by the institution is 16.4 and average percentage of teachers attended is **82.80%**

- A well-defined system for faculty appraisal is followed in the institute
- IQAC of the college ensures the progress of students' performance in academics and placement and overall quality improved in the college

Institutional Values and Best Practices

- The college believes in providing fair treatment to both men and women and there is no discrimination against women
- gender equity promotion programs were organized to create awareness of gender equality
- The institution provides safety and security measures within the campus and to ensure it every block is under CCTV surveillance
- Mentoring facility has been facilitated in our institution by providing **15-20** students to each faculty of the department to improve the academic and personal growth
- Separate common rooms are available for both boys and girls
- Percentage of annual lighting power requirements met through LED bulbs **50.84 %**
- Solid, Liquid and e - waste management have facilitated to keep the campus hygienic and clean
- Waste water has been recycled to water plants in the garden
- Average percentage expenditure on green initiatives excluding salary component is **0.9%**
- Lift, rest room, ramp, scribes for examination are available in the institution to facilitate differently abled students.
- **10** initiatives have been taken to address locational advantages and disadvantages and **12** initiatives for the benefit of the local community.
- College has a code of conduct book for students, staff, and administrators. College calendar has the code of conduct for students, college policy book, etc. The details are displayed in the website.
- Awareness program on fundamental duties and rights of India citizens have been conducted.
- activities were conducted to promote universal values
- To encourage national integration, our institution celebrates national and religious festivals.
- Birth and Death anniversaries of great personalities are being celebrated in campus.
- Institution follows best practices like "Domain-specific training for enhancing placements" to kindle the technical knowledge and "Experimental learning (Make a Product)" leading to contest participation and placements.
- Institution has a distinct reputation for its 360° or overall personality development of students

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	KNOWLEDGE INSTITUTE OF TECHNOLOGY
Address	KIOT CAMPUS, KAKAPALAYAM (PO)
City	SALEM
State	Tamil Nadu
Pin	637504
Website	www.kiot.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	PSS SRINIVASAN	0427-2433901	9790041414	0427-2433999	principal@kiot.ac.in
IQAC / CIQA coordinator	M THANGAVEL	0427-2433918	9790071717	0427-2433980	iqac@kiot.ac.in

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	22-05-2009

University to which the college is affiliated/ or which governs the college (if it is a constituent college)

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC	02-03-2012	View Document
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	29-04-2019	12	AICTE gives Extension of Approval every year

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	KIOT CAMPUS, KAKAPALAYAM (PO)	Rural	10	24000

2.2 ACADEMIC INFORMATION

NAAC

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Mechanical Engineering	48	Higher Secondary	English	240	87
UG	BE,Electronics And Communication Engineering	48	Higher Secondary	English	120	80
UG	BE,Electrical And Electronics Engineering	48	Higher Secondary	English	120	57
UG	BE,Computer Science And Engineering	48	Higher Secondary	English	120	111
UG	BE,Civil Engineering	48	Higher Secondary	English	60	15
PG	ME,Mechanical Engineering	24	BE	English	24	20
PG	ME,Electronics And Communication Engineering	24	BE	English	24	3
PG	ME,Electrical And Electronics Engineering	24	BE	English	24	11
PG	ME,Computer Science And Engineering	24	BE	English	24	4

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	9				10				137			
Recruited	7	2	0	9	5	5	0	10	93	44	0	137
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				79
Recruited	69	10	0	79
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				29
Recruited	29	0	0	29
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	6	2	0	3	4	0	4	2	0	21
M.Phil.	1	0	0	3	0	0	8	16	0	28
PG	0	0	0	0	0	0	81	26	0	107

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	0	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1621	0	0	0	1621
	Female	672	0	0	0	672
	Others	0	0	0	0	0
PG	Male	59	0	0	0	59
	Female	23	0	0	0	23
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	10	21	14	34
	Female	6	12	8	13
	Others	0	0	0	0
ST	Male	0	0	1	1
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	285	336	308	306
	Female	102	108	136	138
	Others	0	0	0	0
General	Male	15	220	113	207
	Female	3	87	64	86
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		421	784	644	785

Extended Profile

1 Program

1.1

Number of courses offered by the institution across all programs during the last five years

Response: 475

File Description	Document
Institutional Data in Prescribed Format	View Document

1.2

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	9	9	9	9

2 Students

2.1

Number of students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2375	2692	2635	2664	2419

File Description	Document
Institutional Data in Prescribed Format	View Document

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
522	522	522	522	522

File Description	Document
Institutional data in prescribed format	View Document

2.3**Number of outgoing / final year students year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
743	685	699	646	524
File Description		Document		
Institutional Data in Prescribed Format		View Document		

3 Teachers**3.1****Number of full time teachers year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
156	194	192	193	172
File Description		Document		
Institutional Data in Prescribed Format		View Document		

3.2**Number of sanctioned posts year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
156	194	192	193	172
File Description		Document		
Institutional data in prescribed format		View Document		

4 Institution**4.1****Total number of classrooms and seminar halls****Response: 49****4.2****Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
440.15	447.86	1034.62	1233.70	837.73

4.3**Number of computers****Response: 830**

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

Response:

The curriculum and syllabi for all the UG and PG Programs are framed by Anna University, Chennai and we are following the same.

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

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

1.1.2 Number of certificate/diploma program introduced during the last five years

Response: 92

1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
03	06	11	05	09

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Details of the certificate/Diploma programs	View Document
Any additional information	View Document

1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response: 0

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Details of participation of teachers in various bodies	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response: 89.39

1.2.1.1 How many new courses are introduced within the last five years

Response: 475

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Details of the new courses introduced	View Document
Any additional information	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 100

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 9

File Description	Document
Name of the programs in which CBCS is implemented	View Document
Minutes of relevant Academic Council/BOS meetings.	View Document
Any additional information	View Document

1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response: 46.43

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1152	1255	1363	1256	923

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

The institution readily provides emphasis on gender, environment and sustainability, professional ethics and human values as part of the curriculum and by various programs

Gender Equality:

- As a responsible institution, the management encourages gender equality in admissions, training programs, contest participation, sports activities, organizing technical programs and employment opportunities
- Focus on women empowerment and inculcate leadership
- Build gender equality awareness among the faculty members and students through Women Empowerment Cell and conduct several programs especially for women
 - Awareness program on Relationships and Self-Motivation
 - Role of Women in developing Entrepreneur Skills
 - Eight Secrets to become an Empowered Women
 - Program on Vizhi Unarvum Vizhippunarvum (Vision's Sensitivity and Awareness)
 - Program on Manathil Thelivukol (Have Clarity in your Mind)

Environment and Sustainability:

Though we are living in a very competitive technologically fast developing world, off late we have identified various adverse effects on environment caused by this development. There is always a need to instill into the minds of the young budding engineers about the impact of the technological growth on the environment. We, as an engineering institution are definitely accountable and liable to cultivate sustainability into the thoughts of those engineers.

- Several programs as mentioned below have been conducted to impart these impactful thoughts into their minds:
 - Green Revolution Program
 - Solar Yatra Program – Generation of power using Solar Power
 - Awareness about Clean India
 - Celebration of Green Campus Day
 - Garbage cleaning in public areas
 - Establishment of Sewage Treatment Plant
 - Carrying out Rainwater Harvesting and Groundwater Recharge in our institution
 - Recycling of used water to supply to trees and plants in the institution's premises
- As part of the curriculum, students study a course titled “Environment Science and Engineering”, “Disaster Management”, etc. They are enriched with knowledge to find and implement scientific, technological, economic and political solutions to environmental problems.

Human Values and Professional Ethics:

It is a bitter truth that, with the recent faster developments of the technology, we've started violating human values and ethics in one way or the other. So, it is time and again, the onus is on the institution to teach the fledging engineers about the human values and professional ethics.

- As part of the curriculum, students study courses titled “Professional Ethics in Engineering” and “Total Quality Management”, through which we create awareness on Engineering Ethics and Human Values.
 - Our institution has taken the responsibility to create a Special Interest Group (SIG) in Humanitarian Technology and organize various awareness programs through this group to improve their knowledge on human values and ethics.
 - Stress Relief Programs
 - Awareness of Societal Sustainability

- Yoga Training
- Awareness program and pledge on Anti-ragging
- Awareness program about General Law
- Carrying out NSS/YRC works at the time of natural disasters
- Conducting Blood Donation Camps
- Traffic Survey for Road Accidents and Awareness Rally on Wearing Helmets during Road Safety Week
- Conducting various programs on “ Values and Ethics”

File Description	Document
Any Additional Information	View Document
Link for Additional Information	View Document

1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years

Response: 144

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 86

File Description	Document
Details of the value-added courses imparting transferable and life skills	View Document
Brochure or any other document relating to value added courses.	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking field projects / internships

Response: 47.75

1.3.3.1 Number of students undertaking field projects or internships

Response: 1134

File Description	Document
List of students enrolled	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.4 Feedback System

<p>1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise</p> <p>Response: A.Any 4 of the above</p>	
File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

<p>1.4.2 Feedback processes of the institution may be classified as follows:</p> <p>Response: A. Feedback collected, analysed and action taken and feedback available on website</p>	
File Description	Document
Any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.05

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	3	1	0

File Description

Document

List of students (other states and countries)

[View Document](#)

Institutional data in prescribed format

[View Document](#)

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 75.65

2.1.2.1 Number of students admitted year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
388	676	554	678	636

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
756	756	756	756	756

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.3 Average percentage of seats filled against seats reserved for various categories as per

applicable reservation policy during the last five years**Response:** 76.05

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
370	406	400	424	423

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.2 Catering to Student Diversity**2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners****Response:**

- Induction Programs are organized for first year students to understand the Engineering Curriculum and Ecosystem of the Institution.
- The Institution assesses the learning levels of the admitted students in First and Second, Third years of their studies through Internal Assessment Tests (IAT).
- The students secured less than 50% of marks during their first attempt in IATs are categorized as Slow Learners and the students secured more than 50% of marks are categorized as Advanced Learners.

Special Programs organized for Slow Learners (SL):

- **Special Coaching Class after IAT and Retest, if required** - To improve the academic performance of slow learners for continuous internal evaluation.
- **English Communication Class** - To improve the vocal and verbal skills of the students admitted from rural background.
- **Separate Classes for Arrear Courses** – Exclusive classes for arrear courses on every Saturdays to increase the confidence level and help the slow performers.
- **Performance Enhancement Test (PET)** - To initiate regular reading habit among students.
- **Study Camp at Hostel** - To initiate the practice of studying at hostel regularly under the supervision of faculty members.
- **Bridge Classes for First Year Students** –Special classes are conducted for first years in Mathematics, Physics and Chemistry courses.
- **Personal Counseling with Parents** - To monitor the students of low performance and disciplinary

issues on timely basis.

- **Course Materials in Simplified Form** - To increase the confidence level of slow learners
- **Motivational Programs by i-Can Club using Professional Psychologists** - To identify the root cause and to recover the students from personal and stress related issues.
- **Internal Paper Presentation through Frontier Area Awareness (FAA) and Science Club**
 - To promote the Presentation skills

Special Programs for Advanced Learners (AL):

- **Programing skill development training program using E-box, CodNpro and Skill rack tools** – To increase Placements in Tier I companies.
- **Make A Product (MAP) Practice** – To promote the culture of Learning by doing.
- **Funding Proposal writing guidance for final year projects** - To create awareness about funded projects
- **Students Participation in various Corporate Contests** – To train themselves on placements through Contest.
- **Conducting events through Technical Clubs and Professional Societies Linkages** – To get latest technical updates and develop leadership skills.
- **Participating in Social events through Social Clubs like Rotract, LEO etc** – To create platform for servicing the society.
- **Guidance program for Competitive Exams like GATE, TOEFL, etc** – To provide guidance for Higher Education
- **Guidance program for MOOC courses like NPTEL, Swayam, etc** – To promote e-learning culture
- **Students are encouraged to participate in technical events organized by other Institutions** – To acquire latest technical updates
- **Special Awards during Annual day Celebration** – To recognize the talented students.
- **Motivation to participate in District and State Level tournaments** – To encourage the aspiring students in sports.
- **Personal Counseling for University Ranks** – To guide the talented students for achieving University Ranks.
- **Incubation Hubs** - To promote innovation and rural Entrepreneurships
- **Achiever Award Recognition-** Students achievements in contest are recognized through Achievers Award.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.2.2 Student - Full time teacher ratio

Response: 746:49

File Description	Document
Any additional information	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

File Description	Document
Institutional data in prescribed format	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

Teaching Learning methods practiced by Faculty members are Lecture method, Interactive method, Experiential learning, Project based Learning and ICT enabled Learning.

Lecture Method:

Faculty members deliver the planned lesson in a blended way using black board teaching and ICT enabled Teaching – Learning methods. All class rooms are provided with LCD projector, Audio systems and Internet connection. Hence the course lessons are delivered using above said tools instead of blackboard for better understanding the Engineering principles with Audio and Video illustrations.

Interactive Method:

Faculty members make the class room more interactive by conducting Seminars, Group Discussions, Technical Quizzes, Technical Key Word Discussions, Role Plays, Question & Answer sessions and Peer Discussions during teaching in classroom.

Experiential Learning:

Besides a University curriculum having Laboratory courses the institution has Industry Linked Laboratories (ILL) for learning industry oriented practical skills through Value Added Courses (VLC). The students carry out the experiments for learning the Engineering Concepts during laboratory classes. The students regularly underwent In- Plant Training and Internship in companies for enhancing their practical knowledge.

Project Based Learning:

A University Curriculum itself has a group project courses and in addition to this, the institution has a

unique pedagogy (Practice Method) as Make A Product (MAP) to enhance the students' technical skills. Students design more than one product during their studies and exhibit it in project expo held at department level within the institution and other institutions.

ICT Enabled Learning:

ICT teaching tools include Wi-Fi enabled class rooms with LCD projectors, Smart class rooms and Virtual class rooms (Google class rooms). E – Learning resources, Language Lab and Learning Management System (LMS) are effectively used for teaching learning process.

Problem Solving Methodology:

The following methodologies are practiced by faculty members for improving the problem solving skills of the students in all the programs.

- **Tutorial class** – Tutorial classes are used to assist the students for improving problem solving skills in learning analytical courses.
- **Aptitude training class** – Aptitude training classes are conducted to improve the aptitude skills of students by providing unique shortcut techniques which improves the speed and accuracy in solving the problems in a stipulated time.
- **Hands on session for problem solving** – Hands on sessions are used as a new type of learning activity that encourage higher level thinking skills and more readily mimic learning experiences in the real world. This is an open-ended activity that allows the teachers to create related experiences based on students' interests and motivational levels.
- **Computer tool based solutions for the problems** – This type of learning creates an exposure on using latest software tools in solving complex technical problems.
- **Guest lecture by industry experts on problem solving** – To acquire awareness about the latest practices adopted in industries for solving technical problems.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 156

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document
Provide link for webpage describing the " LMS/ Academic management system"	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 2323:134

2.3.3.1 Number of mentors

Response: 137

File Description	Document
Any additional information	View Document

2.3.4 Innovation and creativity in teaching-learning

Response:

The Institution takes different initiatives and develops new teaching and learning models that will suit students' needs, their educational and professional objectives. The following innovative teaching and learning methods are adopted by our faculty members.

Innovative Teaching Methods:

- **Role play** – It is an activity based teaching approach which is used by the faculty members will allow the students to create deeper understanding of complex ideas.
- **Puzzles and Games** - Learning through games like Crossword puzzles, Memory games along with Google Classroom integration are used frequently to impart better understanding.
- **Mind Map** - Used by the faculty members to,
 - Brainstorm and to recall the learning materials.
 - Structure a concept
 - Summarize a topic
 - Map ideas etc.,
- **Flipped Class** – A type of blended learning is used by the faculty often online, outside the classroom in which each student can participate in it to match their own personal abilities and grab concept easily.
- **Simulating the Engineering concepts using software packages** – A computer based teaching method is used for modeling a real phenomenon with a set of mathematical formulas.
- **Prototype Model based teaching** - A kind of model based teaching in which a prototype of the

product is used for delivering the complex ideas in a simpler manner.

- **Case Studies** – A teaching method which assists the students to review a real-world situation and to simulate the higher order thinking level of students.

Innovative Learning Methods:

- **Group Learning in Laboratory** – The group learning technique in laboratory provides the students an opportunity to articulate their ideas, to be more creative and self-motivated.
- **Make a Product (MAP) based Learning** - Learning by which the students can provide solutions for real time problems using appropriate tools and techniques.
- **Self-Learning through MOOC Course** – A kind of e- learning technique used by the students based on their area of interest to get acquaintances with the latest technologies towards technical and non-technical areas.
- **Group Learning through Research Paper Reading** – A learning method is adopted by potential students to improve their research knowledge levels.
- **Self-Learning through Video Lecture and Webinars** – A learning method widely accepted and gaining momentum by current generation visual learners.
- **Group Learning through Project Competitions / Hackathon** – A kind of learning is practiced by the potential learners in providing solutions for industrial problems, and issues in society.
- **Learning Programing Skills through E-box, Skillrack and CodNpro tools** - A learning method is used by the students to enrich their coding skills in order to meet the requirements of the industry.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years**Response:** 9.6

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
21	19	18	14	14

File Description**Document**

List of number of full time teachers with PhD and number of full time teachers for 5 years

[View Document](#)

Any additional information

[View Document](#)**2.4.3 Teaching experience per full time teacher in number of years****Response:** 9.34

2.4.3.1 Total experience of full-time teachers

Response: 1435.8

File Description**Document**

Any additional information

[View Document](#)**2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years****Response:** 61.74

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
02	00	3	01	0

File Description	Document
Institutional data in prescribed format	View Document
e-copies of award letters (scanned or soft copy)	View Document
Any additional information	View Document

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response: 1.76

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
3	4	4	3	2

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms

2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

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 15 mark compulsory questions are introduced in the IAT question paper for Regulation 2017 students as per University requirements.
- Question papers along with answer keys are collected by department exam cell coordinator for each

course and displayed in department notice board. The submitted question papers are verified and approved by Head of the Department for Course Outcome (CO) coverage and knowledge levels.

- Evaluation is done by course faculty based on the answer key prepared for each course.
- The corrected answer scripts are distributed to the students within three working days after exam and answer keys are discussed with students in the class room.
- Analysis reports for all classes are prepared at department level and if needed remedial classes are conducted for slow learners and retest options are provided for improvement. Improved marks are considered for Internal marks calculations and web portal entry.
- IAT marks are uploaded in Enterprise Resource Planning (ERP) portal at institutional level for reference and in Anna University portal for internal marks calculations for each course.
- Assignment and quizzes are also recommended to use as an direct assessment tools for CO attainment level measurements.
- The Course End Survey (CES) based indirect assessment is adopted for CO attainment calculation.
- The IATs question papers, COs statement and its attainment levels are reviewed periodically in Quality Improvement Committee (QIC) and Program Assessment Committee (PAC) meeting. Based on the level of improvement required in attainment level, COs has been revised and the same will be reflected in IAT question papers for next batch students.
- The graduate learning outcome levels are evaluated through program exit survey, alumni survey and employer survey.
- The examination for project work shall consist of evaluation of the final report submitted by the team of students to an external examiner and an internal examiner, followed by a viva-voce examination conducted separately for each student with the supervisor of the concern project.
- The maximum marks for Internal Assessment shall be 20 for both theory and practical courses.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

- The Internal Assessment Test (IAT) schedule is prepared well in advance by Institution Academic coordinator, approved by the Principal and communicated to the faculty and students through Exam Management System (EMS) of the Institution.
- The department's exam cell coordinator prepares the department circular that has seating arrangement for students, course wise exam date and duty chart for faculty members and displayed in class room notice board and department notice board.
- The IAT schedule and evaluation methodology are discussed with students in Class Committee Meeting (CCM), HoD hours / Mentor hours / Counseling hours.
- The changes made in the evaluation system are discussed by the faculty members in department faculty meeting by HoD and decision taken are communicated to the students properly well in advance.
- The evaluated answer scripts are distributed to the students in class room.

- The discrepancies in valuation, if any are addressed by the faculty while distributing the answer scripts or the student can discuss with the faculty at their convenient time within two or three working days.
- The students can view their IAT marks from University Web Portal by remote access.
- The marks awarded to the students in the IAT are communicated to the parents and marks recorded in ERP and Anna University Web Portal for remote access.
- The department exam cell coordinator prepares the model laboratory examination schedule based on Anna University schedule and it is conducted after approval by the respective HoDs.
- Project work may be allotted to a single student or to a group of students not exceeding 4 per group. The Head of the Institutions shall constitute a review committee for project work for each branch of study. There shall be three reviews during the semester by the review committee. The student shall make presentation on the progress made by him / her before the committee. The total marks obtained in the three reviews shall be reduced for 20 marks and rounded to the nearest integer
- If a candidate fails to submit the project report on or before the specified deadline, he/she is deemed to have failed in the Project Work and shall re-register for the same in a subsequent semester.
- The student may discuss their project idea with their faculty / guide. After incorporating guide suggestion, it will be submitted to the project coordinator. Then, the project idea will be reviewed by the project coordinator based on the previous academic year projects information, faculty domain and resource availability.
- The project coordinator will map the project identified in accordance with the availability of resource and faculty expertise, then the mapped list will be submitted to the HOD for approval.
- The HOD will finalize the faculty guide based on the collaborative approach between student group with faculty expertise and the mapped list from the project coordinator.
- If the expert's availability and resources are adequate then the students are encouraged to do in house project. Otherwise students will be directed to get assistance from the industry.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient

Response:

- As per the Anna University Regulation, the students should earn maximum of 80% of marks from University end semester examination and 20% of marks from Internal Assessment Test (IAT) conducted periodically by the Institute for each theory and laboratory course.
- The performance of the students in IAT is communicated to the students immediately after completion of each IAT. In case of any grievances in awarding marks, the students can approach the corresponding course faculty and department HoD within two or three days.
- The attendance percentage of the each student and marks in Internal Assessment Test (IAT) are uploaded in Anna University web portal and Institution ERP portal.
- If a student has failed in the final semester examination he/she may be allowed to register for the

course in the next semester itself.

- If a student fails to secure a pass in a laboratory course, the student shall register for the course again, when offered next.
- A student is permitted to go on break of study for a maximum period of one year as a single spell.
- Any student for valid reasons (medically unfit / unexpected family situations / Sports) approved by Chairman, sports board and HOD) granted permission to withdraw from appearing for the end semester examination in any course or courses in any one of the semester examinations during the entire duration of the degree programme.
- If a student indulges in malpractice in any of the University / internal examination he / she shall be liable for punitive action as prescribed by the University from time to time. In case the students get booked wrongly, he/she may claim their rights during malpractice enquiry committee.
- The Anna University having a mechanism to deal the students grievances in end semester examination results as follows,
 - If any discrepancy, students can apply for photocopy through the institution Exam Management System on or before the last date given by the Anna University.
 - Once the students received the photocopy, it is reevaluated by the concerned course faculty within the Institution for scrutinizing the chances to get pass marks. Based on the marks obtained, course faculty can recommends for reevaluation by university, if seemed fit.
 - Once the student received recommendation by course faculty, the students can apply reevaluation to the University.
 - University performs reevaluation and publish the results.
 - The student can view their results in the Anna university Student corner portal individually.
 - If reevaluation results are not satisfied, and if he / she thinks that there may be chances for pass marks, university is giving one more chance for them i.e., student may apply for challenge.
- The grievances in the University examination question paper such as data missing, questions from out of syllabus, non-uniformity of syllabus coverage, etc., are communicated to Controller of Examination (COE), Anna University by the respective course faculty with the approval of the principal through anna university web portal on the same day of examination. It is addressed by the University during answer script valuation.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.5.4 The institution adheres to the academic calendar for the conduct of CIE

Response:

- 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 faculty 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.
- The following table describes the adherence of academic calendar for the conduct of CIE at academic year 2018 – 19 odd semester.

Internal Evaluation Parameter	Schedule Date as per Academic Calendar	Date of Implementation
Internal Assessment Test – I (IAT – I)	17.08.2018 to 25.08.2018	17.08.2018 to 25.08.2018
Web portal Mark Entry - IAT – I	25.08.2018 to 31.08.2018	25.08.2018 to 31.08.2018
Internal Assessment Test – II (IAT – II)	14.09.2018 to 20.09.2018	14.09.2018 to 20.09.2018
Web portal Mark Entry - IAT – II	20.09.2018 to 27.09.2018	20.09.2018 to 27.09.2018
Internal Assessment Test – III (IAT – III)	10.10.2018 to 17.10.2018	10.10.2018 to 17.10.2018
Model Practical	01.10.2018 to 09.10.2018	01.10.2018 to 09.10.2018
Web portal Mark Entry - IAT – III	17.10.2018 to 20.10.2018	17.10.2018 to 20.10.2018

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

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 on website and communicated to teachers and students

Response:

Programme outcome (PO)

All the programme in the institute adopts the Programme outcome (PO) defined by National Board of Accreditation (NBA)

Process for defining Program Specific Outcomes (PSOs)

- The Program Specific Outcomes have been framed based on Program Educational Outcomes, and feedback from internal and external stakeholders of the department.
- The draft PSO has been reviewed and validated in Performance Assessment Committee (PAC) meeting.
- Suggestions given in PAC meeting will be incorporated and PSOs are reframed accordingly.
- Reframed PSOs has been reviewed by the head of the Institution.
- Suggestions given by the principal will be incorporated and it is again reframed.
- Finally, the PSOs approved by the head of the Institution will be published and disseminated in the appropriate forum.
- After 3 to 5 years, the PSOs of the department will be redefined if necessary.

Program Outcomes (POs), Program Specific Outcomes (PSOs) for all programs offered by the institution are published in the following publishing platforms.

- College Website (www.kiot.ac.in)
- College Calendar
- Class Rooms
- Laboratories
- Department Notice Board
- Department Office
- HoD Chamber
- Department Library
- Department Newsletter / Magazine
- Laboratory Manuals and Course Materials.

Course Outcomes (COs) of the course in the respective programs are published in

- Course Log Book
- Lab Manuals
- Course Delivery Plan
- Respective Class Rooms Notice Board
- IAT Question Paper
- Course Materials
- Course PPT
- Question Bank

The below table depicts the Vision, Mission, PEO and PO/PSOs dissemination and awareness creation to various stakeholders

Stakeholders	Mode of Dissemination	Extent of Awareness

Management	<ul style="list-style-type: none"> • Email • Program invitations • College website • College news letter 	<ul style="list-style-type: none"> • Principal summarize and discusses the vision, mission and PEOs in the trust m
Faculty	<ul style="list-style-type: none"> • Log books • Lab manuals • Department notice board • Department news letter • Class rooms • College calendar • Department library 	<ul style="list-style-type: none"> • HOD will explain the vision, mission a PEOs/PO/PSOs in the faculty meeting. • Awareness was given to the faculty thr workshop on OBE and hands on training attainment calculations
Students	<ul style="list-style-type: none"> • Lab manuals • College calendar • Display boards in class rooms • Department newsletter copy • Department notice board 	<p>Vision, Mission and PEOs/ PO/PSOs will be the students in</p> <ul style="list-style-type: none"> • Class committee meeting • Different club meetings • Class Advisor interaction • HOD interaction hours • Mentors interaction
Employer / Industry	<ul style="list-style-type: none"> • College website • College brochure • Email • Placement cell • Program invitation • Program brochures 	<p>Vision, Mission and PEOs/PO/PSOs will be discussed with employers and industry persons</p> <ul style="list-style-type: none"> • Pre-placement meeting by Director-Pla Principal • Faculty interaction at industry • Peer discussion with industry persons
Alumni	<ul style="list-style-type: none"> • College website • Alumni social networks • Email 	<p>Vision, Mission and PEOs/ PO/PSOs will be alumnus in</p> <ul style="list-style-type: none"> • Department alumni meeting • Alumni interaction with faculty
Parents	<ul style="list-style-type: none"> • College brochure • College monthly calendar • Parents meeting invitation letter • College website 	<p>Vision, Mission and PEOs/ PO/PSOs will be parents in</p> <ul style="list-style-type: none"> • Parents meeting by HOD • Parents meet with class advisor for aca progress of their wards

Professional bodies	<ul style="list-style-type: none"> • College website • Program brochure • Email 	Listed in the program completion report professional societies and peer discussion with society office members
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File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

1. Attainment calculation of Course Outcomes (COs):

The Attainment level of CO is calculated by Direct Assessment Process (DAP) with weightage of (80%) and Indirect Assessment Process (IAP) with weightage of (20%). The DAP is divided into two assessment processes, namely Internal Assessment (IA) with weightage of 30% and External Assessment (EA) with weightage of 70%. In IA, the assessment tools are Internal Assessment Test (IAT), Assignment, Quiz and Seminar. The weightage of these tools are decided by the course faculty based on course nature. In EA, the university end semester exam is considered as an assessment tool. In Indirect Assessment process, the course end survey is used as an assessment tool with weightage of (20%).

Internal Assessment is conducted as per the university academic schedule and students performance of marks are recorded. At the end of course, course end survey is taken from the respective course students and the values are recorded. The student's performance in the university exam are used. In IAT, attainment is measured in terms of actual percentage of students getting the percentage of marks which is set for the respective courses. In university exam, attainment is measured in terms of actual percentage of students getting pass marks, fixed by the university.

The CO target level is initialized based on previous university exam results of the respective courses. If the target value is attained, the value for next batch is increased by 0.1 from attained value to maximum level of 3. If not, the same value is maintained for the next year.

2. Attainment Calculation of POs and PSOs

The Assessment process used for measuring the attainment level of POs and PSOs are Direct Assessment (DA) and Indirect Assessment (IA) with 80% and 20% weightage respectively.

Direct Assessment:

At the end of each Academic Year, the CO attainment level for all courses for a particular batch will be calculated as per CO attainment calculation procedure and mapped to the contribution level of the course to the POs and PSOs attainment. After mapping all the course CO attainment, contribution to the particular PO/PSO are averaged, taken as a direct attainment value of PO/PSO.

Indirect Assessment:

The Indirect Assessment tools used for POs and PSOs calculation are, Program Exit Survey, Alumni Survey and Employer Survey with the weightage of 50%, 25% and 25% respectively. The survey analysis values are used to calculate the indirect attainment value of POs and PSOs.

The POs and PSOs target level is initialized based on the range of percentage correlation by CO to PO / PSOs mapping. If the target value is attained, the value for the next batch is increased by 0.1 from the attained value subjected to the maximum value of 3. If the target is not attained, the same value is maintained for the next year. The CO, PO/PSO attainment calculation is carried out in the designed Microsoft Excel Sheet by the respective faculty members. The attained level is reviewed in the Program Assessment Committee (PAC).

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

2.6.3 Average pass percentage of Students

Response: 73.89

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 549

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 743

File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

2.7 Student Satisfaction Survey**2.7.1 Online student satisfaction survey regarding teaching learning process**

Response: 3.67

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response: 84.94

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	0	0

File Description	Document
List of project and grant details	View Document
e-copies of the grant award letters for research projects sponsored by non-government	View Document
Any additional information	View Document

3.1.2 Percentage of teachers recognised as research guides at present

Response: 6.41

3.1.2.1 Number of teachers recognised as research guides

Response: 10

File Description	Document
Any additional information	View Document

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response: 0.15

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 00

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 227

File Description	Document
Supporting document from Funding Agency	View Document
Any additional information	View Document
Funding agency website URL	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

KIOT has nurtured innovation ecosystems for faculty and students with the support of **2-3 Industry Linked Laboratories** per department. It brings Faculty, Students and Industry partners together to solve real-time problems with innovative solutions. It provides a platform for students to enhance their skills as learning by doing, they get project guidance from industry experts. Train the trainer model has been created with this collaboration, students are provided with periodical training/knowledge relevance to the specialization by industry experts to make a product and process development as per industry aspect. It facilitates value-added courses, industrial visits, inplant training, industrial projects and internship for students.

Every year around **250** products have been made by students with their creative ideas as per the **MAKE-A-PRODUCT(MAP)** initiative. Based on the innovation, feasibility, social relevance and cost-effectiveness through business incubator, these ideas have been submitted to the **National and International contests**. Ideas like Soil tester and Centralized Apartment Automation got certification as a semifinalist at **DST and Texas Instruments India innovation challenge contest 2017**, anchored by **IIM**, Bangalore for their **Innovation Creation and Knowledge transfer to the society**. They have solved technological problems and provided services for startup companies. Under product development a **Kernel Peeling Machine** has been done, it reduces the labor cost of the company and peeling time of the kernel.

Business Incubator

KIOT has been recognized as **Business Incubator (BI) /Host Institute (HI)** approved by MSME with the grant of **Rs. 62,50,000/-** for a maximum of **10** incubates for implementation of the scheme "**Support for Entrepreneurial and Managerial Development of SMEs through Incubators**" on 2016. It provides a platform for speedy communication of technologies developed by the host institution or by any academic/technical / R&D institution or by an individual.

Entrepreneurship Development Cell (EDC) was established on 2011. Conducting awareness camp for students and public about importance of entrepreneurship development. Entrepreneurial experience sharing sessions have been conducted for students every week. Conducting activities for aspiring EDC members

every fortnight, Signed MoU with

1) **Nativelead Foundation** on 16.09.2015. It offers range of services to promote innovation, entrepreneurship and Intrapreneurship.

2) **NEN** (National Entrepreneurship Networks) on 25.04.2016. It provides certification course to build and manage entrepreneurship education, educates and support student entrepreneurs to start their own startups.

Two KIOT alumnus have started their **own startups**

1) **Mr. VijayVMV Groups** – making all kinds of textile machines.

2) **Mr. Karthickraja, MADique Technologies** - making machine for food processing and promote women entrepreneurs and **Foodbox Innovations private Ltd** - making farm harvest and Kiosks helps physically challenged people as an entrepreneur.

Research Forum

It was inaugurated on 2014 to provide the faculty members a platform to interact with experts and to motivate them for research proposals to funding agencies. Various activities have been conducted to carry out effective research, consultancy and patenting for faculty fraternity. Quality of research publications is maintained using plagiarism software.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response: 38

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
05	4	3	1	1

File Description	Document
Report of the event	View Document
List of workshops/seminars during the last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research	
Response: Yes	
File Description	Document
Institutional data in prescribed format	View Document
Any additional information	View Document

3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards	
Response: Yes	
File Description	Document
e- copies of the letters of awards	View Document
Any additional information	View Document

3.3.3 Number of Ph.D.s awarded per teacher during the last five years	
Response: 2.67	
3.3.3.1 How many Ph.Ds awarded within last five years	
Response: 16	
3.3.3.2 Number of teachers recognized as guides during the last five years	
Response: 10	
File Description	Document
URL to the research page on HEI web site	View Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document
Any additional information	View Document

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years**Response:** 0.55

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
7	4	8	14	0

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years**Response:** 2.22

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	43	34	82	41

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities**3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years****Response:**

The following clubs and associations often meet the members of the society through their scheduled programmes and impress them to be the responsible citizens that they want to see others in this world.

1. National Service Scheme (NSS)
2. Youth Red Cross (YRC)
3. Red Ribbon Club (RRC)
4. Rotaract Club
5. Junior Chamber International Club (JCI)
6. Green Club

Organized various extension activities such as **Blood donation camps, Tree plantation, Health, Environmental and Medical awareness programs.** Under **Swatch Bharat** event, Shramdaan in various places of KIOT were taken up by different team of students and teachers, promoting mission Swatch Bharat. This event made the students to understand the importance of maintaining cleanliness in communities. This kind of activities educate our students and public to keep our environment as green as possible. **Road safety** awareness programs like wearing helmet and seat belt were undertaken by our volunteers to reduce accidents. This imparted students a habit of following road safety norms.

Students took part in various activities organized by these clubs and won **25** awards.

IEEE Student Branch outreaches nearby **Government and aided schools** to disseminate knowledge on recent technological advancements in different areas like **Health and Food Industry, Space and Natural Security, Sports and Women welfare.** It helps students of rural and semiurban community to know about Engineering and Technology.

KIOT is actively participated in **Unnat Bharat Abhiyan**, adopted **5 villages** (Kanagagiri, Kandarkulamanickam, Vaikuntam, Ariyampalayam, perumagoundampatti). It has covered **6040** households by village survey and household survey.

Know Fest is conducted every year for school students in Salem and nearby districts. Various competitions are conducted to bring out Innovation and Creativity among the students. Prizes of worth around **Rs.2.00 Lakhs** were given. This creates an interest, awareness and importance about higher education among young minds.

Institution has created awareness on Higher Education among public by **Educational Programmes at local TV channels** at Salem, Namakkal and Erode districts, which collectively have a population over **50 Lakhs.**

Career Counselling and Score 200/200 programs have been conducted every year to empower school students to pursue higher studies and guide them to score **200 marks** in maths for +2 students. About **800 – 1000** students per year from nearby schools get benefitted.

Skill Development Initiative Schemes like **PMKVY I** done for public to improve their economic status of the rural community by offering training to enhance the employable skills and to create awareness on entrepreneurship. Totally **328** persons were trained and benefitted. In **collaboration with CED, Madurai** as per NSDC, **15 rural women were trained in tailoring course.** It was sponsored by SAIL Refractory Company Ltd, Salem. It increases the earning capacity of rural persons and thereby stimulate the economy in the region.

MoU signed with polytechnic colleges to improve their students technical skills. **2162** students have benefitted.

Voter Campaign

My Vote – My pride election voting awareness and bike rally campaign held in connection with making **100% voting** campaign of Government of India.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response: 32

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	2	01	01	01

File Description	Document
Number of awards for extension activities in last 5 years	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 77

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
14	14	11	05	01

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 79.84

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1328	679	1168	1375	1177

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response: 480

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job

training, research, etc year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
88	144	116	81	51

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 109

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2018-19	2017-18	2016-17	2015-16	2014-15
07	06	02	07	05

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

Knowledge Institute of Technology has adequate infrastructural facilities as per the requirements of AICTE. The college has adequate number of ventilated classrooms, Laboratories, Smart Classrooms (ICT enabled), Common rooms, Seminar halls, Tutorial Rooms, Library, AC Computer Labs, Research Centres, HOD cabins, Staff cabins, Rest rooms and Central and Department Library. The management frequently interacts with the stake holders to improve the infrastructure facilities.

Co-curricular activities:

KIOT has 60+ clubs and Forums which offers a mixture of technical and non-technical activities to develop the organizational skills of the student and Make a Product (MAP) to further scale up their technical knowledge and focus on their area of interest. KIOT also offers industry oriented courses for the students to be industry ready. EDC & MSME supported Technology Business Incubator for promoting innovation and entrepreneurship ecosystems are functioning.

Infrastructure and Laboratories:

The institution is spread in 10 acres with 2.5 Lakhs sq.ft built up area, located about 18 km from Salem City. The institution has following infrastructure facilities:

Classrooms and Halls:

KIOT has 46 class rooms , 05 smart class rooms, 03 seminar halls, 17 rest rooms and 02 common rooms.

Laboratories:

The institution has laboratories as per AICTE and Anna University norms. KIOT has 55 laboratories with state of art laboratory equipment. The labs are well equipped with safety norms with list of experiments details. Labs are used by the students beyond the working hours for doing their projects. College has established Centre of Excellence and Research Laboratory facilities to inculcate research habits among students and faculty fraternity. In addition Industry Linked Labs for offering Value Added Courses(VAC) and Make A Product(MAP).

Library:

Apart from the books available in the library, students can also access online E-resources such as digital library to widen their knowledge and skills. The working time of library is from 9.00 am to 7.00 pm in working days and from 9.00 am to 4.00 pm in the holiday. Library has 20,242 books, 96 National Journals, 31 International Journals, 180 rare books and 1450 Project reports. The library can accommodate 120 members at a time.

Computing Facilities:

Total of Computers available in college is 973

Number of Computers for Student Usage is 830

Number of Computers for Administrative work is 143

All the class rooms, smart class rooms and seminar halls are well equipped with ICT facilities. Computer laboratories are installed with licensed software as well open source software. The student computer ratio is 3.25:1. The institution is equipped with 04 Wi-Fi, hot spots and Internet facility with a bandwidth of 93 Mbps.

Incubation Centres:

Incubation centres aim at training the students in various advanced technologies. Apart from incubation centres, institute has Research & Development (R&D), Start up and Entrepreneurship development centres (EDC).

Hostels:

KIOT has separate hostel facility for boys and girls, where 96 girl students can be accommodated at girls hostel and 270 boy students at gents hostel. Hostels have AC/non-AC rooms, and rest room attached/common rest room based rooms.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities**Response:****1. Sports, Games (Indoor, Outdoor) Gymnasium, Yoga Centre**

The Institution has created a reasonable sports facilities. A spacious play ground is available for Outdoor Games like cricket, volley ball, football, Basketball, Ball Badminton, Shuttle Badminton, Hand ball, Hockey, Kho-Kho, Kabadi, and all Athletic events etc. The total area of Outdoor Games is 12,918 Sq.m. Facilities for indoor games like Table Tennis, Chess, Carom etc., are provided to students inside the college campus. The total area of indoor games is 55 Sq.m.

On duties and sponsorships like sports gears and travel allowances are being provided for the students to participate in zonal, district and state level sports meets. Sports day is being conducted every year for both boys and girls. KIOT students have participated and won awards in various events at zonal and district levels. The achievers are honored with certificates and champion in addition to that college bus facility is

being provided to the students to participate in the sports meet at nearby colleges and at far off places. Our college has organized several tournaments and sports meet at zonal and district level. Winners and runners-up teams are duly rewarded with medals and certificates, to help in developing team spirit among students.

Gym Facility:

The institution has a gym facility with an area of 54.4 Sq.m. It is opened in the morning and evening session for daily workout. Each session is engaged by physical director to maintain their physical fitness for better performance in sports and other events.

2. Cultural Facilities:

The college has facilities of having musical instruments like Keyboard, Electric and acoustic guitars, Drum set, Rhythm pad which are all used to perform Orchestra as well as for all other cultural activities to enhance the artistic skill of students. The institution has organized many annual events under fine arts club such as cultural programs, Orchestra and debating events. The motto of the Fine Arts Club is to inspire and enable our students to actively learn and develop their talent and skills that will develop artistic expression. KIOT orchestra has participated in various inter college musical events and won awards.

3. Yoga Facilities:

Yoga facility is provided for both students and faculty members. Yoga sessions are conducted every day for duration of one hour throughout the week. Interested students and staffs participate in the yoga sessions. Practicing yoga creates mental clarity and calmness, increases body awareness, relieves chronic stress patterns, relaxes the mind, centers attention, and sharpens concentration. Every year on June 21st, the International Day of Yoga is being celebrated, in which all the students and faculty members proactively participate.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 49

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document
Link for additional information which is optional	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation

during the last five years.

Response: 34.99

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
38.56	40	452	708	447

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document
Any additional information	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Library Working Hours

Monday to Saturday : 9.00 AM. to 7.00 PM.

Sunday : 9.00 AM. to 4.00 PM.

Library Details

The Central Library of Knowledge Institute of Technology is housed in the ground floor of the E-Block in an area of 7525 sq.ft. (700sq.m).The main aim of the central library is to provide information services and access to print and e-resources to support the informational needs of the institute community. The fully computerized central library is well equipped with facilities and resources in the form of 6104 titles, 20242 volumes, more than 127 printed and electronic journals, 29 magazine, 1804 CD-ROMs, on-line databases, 1450 project reports etc.

KIOT-Integrated Library Management System (ILMS)

Name of the ILMS : CampesiLIB

Nature of Automation : Fully

Version : 6.3.9

Year of Automation : 2009

About CampesiLIB

The Software has capability to manage the institutional library management process. It captures almost every activity related to library and it has provision to log almost all stocks kept in the library like books, periodicals, back volumes and other non-book materials, etc.

Modules of CampesiLIB

1. Administration Module
2. OPAC
3. E-gate Register

1. Administration Software Module

Sign into Administration Module: The administration module works in multilevel security the administrative user is Librarian and the password will be created by the librarian at the time of installation and it can be modified at any time

Manage Members: The Library members denote the students and staffs using the library. The members can be created with the primary key as member id which is the mandatory

Manage Books: The Primary stock in the institution libraries are book and its mandatory one. This module manages creation, edit, and deletion of books. Book batch edit module enables user to organize the academic data based information regarding the book like department, subject, call number, etc.

Manage Non-Books: The Materials other than books, periodicals, and back volumes are managed as Non-books. The Non-Books materials are allowed to create by user itself

Manage Periodicals: Journals and periodicals are entered in master using the respective periodicities generated in sub entries. Each Periodical issue can be entered after completing subscription entries

Circulation of materials: Module allows lending of materials as per rules mentioned in the category entry mapped to respective member

Circulation Reports: Daily Transaction Reports to be taken to manage the books and other material issued to members

Reports: The user friendly report design allows changing the format of report in certain aspects. Every report can be ported to excel, word, and pdf formats. Every Stocks and activities are included in detailed report screens with variety of conditions and report formats

2. Online Public Access Catalog (OPAC)

The Online Public Access Catalog includes following facilities

- Book Search
- Periodical Search
- Non-Book Search
- Member Due Check
- Member Transaction History View
- Book Reservation

3. E-gate Register

Online Module works interactively capturing the data from a barcode or an RFID scanner and logs as visitor entry.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

The KIOT central library has been collecting rare books, manuscripts and special reports over the years.

Rare Books:

The collection of rare books to avail and improve the knowledge of students, faculty and researchers in various subject fields. Institution gives importance to the preservation of these rare books considering their value. Gallery of the rare collection initiates positive progress in mind set of students. The information which the faculty and students are getting from the rare books are being best utilized in different aspects like continuation of research work in their respective fields, presenting papers in seminars, publishing new information by consolidating the work in different journals etc. It is not possible for everyone to purchase the rare books, manuscripts and special reports on every subject. A user can read a large number of books free of cost by utilizing this facility. It is a place for close and careful study on various fields of engineering and science. Users can derive benefits from these books in the library through detailed and precise analysis of concepts. Library preserves various types of old and new rare book collections. Rare books enables the students and faculty members to gain knowledge which is out of the syllabus and difficult to find on internet.

Manuscripts:

The rare collection of manuscripts are available in DELNET portal which the institution has subscribed.

Special Reports:

The KIOT has an excellent collection of books, journals, and documents in science, engineering, technology, humanities, social sciences, management and self- development. It has a plethora of dictionaries, encyclopaedias, compendiums, reference books, standards, bound volumes of journals, technical reports, theses, and other resource materials in digital form–compact discs. The central library and department Libraries are home for a large collection of project cum research reports by students of B.E and M.E programme. The project reports of students and theses of faculty are readily available in the libraries. The Central Library is in constant pursuit of acquiring rare books, special reports and manuscripts. Recent publications by great authors are added to it. Also, we keep in touch with sellers of rare book sellers for purchasing them.

The KIOT is an institutional member in framing and implementing the programme: Developing Library Network – (DELNET). It provides resource sharing among the member libraries and offers networking services to the users. Through delnet, we get information about rare books, documents, and manuscripts.

To enhance the employability skills and nurture talent we have good number of books related to SLET, NET, CSIR, SSC, UPSC, RRB, TNPSC, GATE, etc.. Library also made provision for students to refer previous year university question papers for preparing examination. We are making provision for our users to access e-resources through subscription, consortia basis and freely available open e-resources.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.2.3 Does the institution have the following:

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

Response: A. Any 4 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	View Document
Any additional information	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response: 10.19

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
7.23	11.08	11.33	7.88	13.44

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 21.02

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 532

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

KIOT provides IT infrastructure and facilities such as Internet Facilities through leased line and Wi-Fi for providing continuous and uninterrupted internet connectivity to students and faculty members. These facilities are available to faculty members and students for research, academic and consultancy support. The entire campus including gents and ladies hostel is Wi-Fi enabled and students can access the internet

on their laptops round the clock. The campus has been enabled with Internet bandwidth of 77Mbps (Aerial) from Readylink Internet Services Limited and 16Mbps (Fibre Optic) from BSNL.

The institute upgrades the software packages being used in the industry to make the students industry ready. Extensive use of ICT resources such as DIGI-MAT library and use of computer-aided teaching/learning materials by staff and students is ensured in the college.

Computers:

Institution updates the computer facilities as per the requirement and intake of the students periodically. Prior to 2015-16, a total of 789 computers were purchased (Acer, HCL Zenith Dual Core and IBM Server). In 2015-16, 184 numbers of computers were purchased (Acer Dual Core, Acer I3, Acer I5, Apple Mac Mini Desktop and Apple Mackbook Pro).

Smart Classroom:

From the inception of college, ICT facilities (Projectors) installed in all the Classrooms for better teaching-learning process. In 2015-16, Audio Facilities have been incorporated. In 2019-20, 5 Smart boards, lecture capturing system facilities and recording facilities have been augmented to the IT infrastructure .

Internet:

S. No.	Year	Service Providers		Total(in Mbps)
		Readylink(in Mbps)	BSNL(in Mbps)	
1.	2019-20	77	16	93
2.	2018-19	48	16	64
3.	2017-18	32	16	48
4.	2016-17	20	16	36
5.	2015-16	16	08	24
6.	2014-15	06	04	10

Wi-Fi Facilities:

S.No.	Year	Device	Location	Coverage
1.	2015-16	DIGISOL DG-WA1102NP with external 17dbi Antenna (2.4GHz)	Ladies Hostel	Entire Girls Hostel
2.		DIGISOL DG-WA1102NP with external 16dbi Antenna (2.4GHz)	C-Block	C, D and E Blocks
3.		DIGISOL DG-WA1102NP with external 16dbi Antenna (2.4GHz)	A-Block	A and B Blocks

4.	2014-15	DIGISOL DG-WA1102NP with external 16dbi Antenna (2.4GHz)	Boys Hostel	Entire Boys Hostel
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Server Facilities:

S.No.	Year	Server Configuration	Purpose
1.	2010-11	IBM Server X3200 M3 - Intel Xeon E3430 Quad Core 2.4 GHz	IBM Maximo Server
2.	2010-11	IBM Server X3200 M3 - Intel Xeon E3430 Quad Core 2.4 GHz	ERP Server
3.	2010-11	IBM Server X3200 M3 - Intel Xeon E3430 Quad Core 2.4 GHz	DIGIMAT Server
4.	2010-11	IBM Server X3200 M3 - Intel Xeon E3430 Quad Core 2.4 GHz	Placement – TCE Server
5.	2010-11	IBM Server X3200 M3 - Intel Xeon E3430 Quad Core 2.4 GHz	Domain Server
6.	2010-11	IBM Server X3200 M3 - Intel Xeon E3430 Quad Core 2.4 GHz	Internet Server
7.	2010-11	IBM Server X3200 M3 - Intel Xeon E3430 Quad Core 2.4 GHz	Oracle Server
8.	2013-14	Intel Core i5 3450 3.10GHz Processor	CATIA Server
9.	2015-16	IBM Server X3100 M4 - Intel Xeon 2582 Quad Core 2.4 GHz	Library Server
10.	2015-16	Acer Veriton M200 CPU i7- 4790	IonCudos Server

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

4.3.2 Student - Computer ratio**Response:** 186:65

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)**Response:** >=50 MBPS

File Description	Document
Any additional information	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document
Any additional information	View Document
Link to photographs	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 24.12

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
19.58	21.54	46.03	31.4	22.52

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document
Any additional information	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

Introduction

The administrative officer with a team of members and Block In-Charges monitor the maintenance and cleanliness of the buildings, classrooms, laboratories, furniture, sports ground, sports facilities, students

amenity areas, canteen and hostel buildings.

S. NO.	SERVICE TEAM	NUMBER OF W
1.	Block In-Charge(Teaching Staff)	5
2.	House keeping	10
3.	Plumber	1
4.	Electrician	2
5.	Scavenger	4
6.	Gardener	1

Table

No. 1 Service Team

As per the policy framework, the common utilities schedule are given below.

S. NO.	NAME OF COMMON UTILITY	PROPOSED MAINTENANCE SCHEDULE (Daily/Weekly/Fortnight/Monthly/ 3 Months/6 Months/Yearly)	DEPARTMENT IN-CHARGE
Electrical Maintenance			
1.	Air Conditioner	3 Months	Mechanical
2.	Audio Amplifier / Speaker / Cable	Monthly	EEE
3.	Intercom	Monthly	ECE
4.	UPS / Invertor / Battery	3 Months	CSE/Electrician
5.	Fan / Light / Switch Board	Monthly	Electrician
6.	LIFT / Elevator	Monthly	ECE
7.	Lab - Distilled Water Unit	Monthly	Chemistry
8.	Black Board / Chalk Stand	6 Months	Block In-Charge
9.	Water Doctor	Monthly	Electrician
Furniture Maintenance			
10.	Windows / Doors / Window Screen	Monthly	Block In-Charge

11.	Class Room Dias	3 Months	Block In-Charge
12.	Drawing Table / Steel Stools	6 Months	Block In-Charge
13.	Desk / Table / Chairs	6 Months	Block In-Charge
14.	Wooden Box / First Aid Box/ Keyboard Stand	6 months	Block In-Charge
15.	S type Chairs / Rolling Chair	6 Months	Block In-Charge
16.	Rest Room Tap / Wash Basin / Lab Water Tap	Monthly	Block In-Charge
17.	Hydraulic Door Stopper	Monthly	Block In-Charge
18.	Normal Door Stopper	Monthly	Block In-Charge
IT Maintenance			
19.	CCTV Camera	Fortnight	CSE
20.	Laptop /Desktop / OS / Printer and Antivirus Checking	3 Months	CSE
21.	Projector / Screen	Monthly	CSE
Infrastructure Maintenance			
22.	Floor Cleaning / Dust Bin	Daily	Campus Manager
23.	Lab Cupboard / Steel Bureau Drawer	6 Months	Department
24.	Notice Board Locks	6 Months	Department
25.	Wall clock	Monthly	Department
26.	Floor Tiles	6 Months	A.O/Campus Manager
27.	Fire Extinguisher	6 Months	A.O/Campus Manager
28.	Window Screen (Wash)	6 Months	A.O/Campus Manager
29.	Reading Table, System Table, Book Shelves Cleaning	Weekly	Librarian

30.	RO Plant	Daily	Campus Manager/Departm
31.	Class Room Cleaning	3 Days Once	Campus Manager/Departm
32.	Lab Cleaning	Weekly	Department
33.	First Aid Box	Monthly	Campus Manager/Departm
34.	Medical Facility	Monthly	Campus Manager/Departm
35.	Differently Abled Facility	3 Months	Campus Manager/Departm

Table No. 2 Proposed**Maintenance Schedule of Common Utilities****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 block In-charge. Respective block In-charge report to 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 and handling of library documents.

Books movements register and student's entry register is maintained using the software. Books can be borrowed using their own identity card. 3 books allowed for under-graduate student and 5 books for Post-Graduate student with borrowing period of 15 days. Renewal is allowed, if there is no demand for the same book, from other readers. For late submission of books, a minimum overdue charge collected from the students.

Proper pest management is done to minimize the problems caused by insects, cockroaches and Rats.

Dust should not be allowed to deposit on the documents because the collection of dust causes staining of documents. Cleaning should be done regularly and carefully.

Maintenance of Electrical Appliances

Three Electricians extend their service to all the departments to ensure optimal utilization of electrical appliances. Notified problems are reported to respective in-charge of common 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 by each computer centre and respective laboratories. 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 and Technicians are 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.

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 buses and other vehicles. In case of repair it is reported to administrative officer for further approval and sanctioning of fund.

S. NO.	DESCRIPTION	PROPOSED MAINTENANCE SCHEDULE
Transport (Buses)		
1.	Oil Service	80000 km
2.	Powder Change	5000 km
3.	Fitness Certificate	Yearly Once
4.	Engine Oil/Gear Oil Change	80000 km

5.	Permit Renewal	5 Years Once
6.	Road Tax/Insurance Payment	Yearly Once

Table No. 3 Common**Maintenance Schedule for Institutional Vehicles**

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

NVAAC

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 54.19

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1267	1349	1458	1458	1389

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	View Document
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	View Document
Any additional information	View Document

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 27.08

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
742	826	852	871	411

File Description	Document
Any additional information	View Document

5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling
3. Soft skill development
4. Remedial coaching
5. Language lab
6. Bridge courses
7. Yoga and meditation
8. Personal Counselling

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 70.62

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
730	685	699	646	524

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response: 28.64

5.1.5.1 Number of students attending VET year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Details of the students benefitted by VET	View Document
Any additional information	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document
Any additional information	View Document

5.2 Student Progression

5.2.1 Average percentage of placement of outgoing students during the last five years

Response: 73.8

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
521	530	549	470	368

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document
Any additional information	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)**Response:** 2.56

5.2.2.1 Number of outgoing students progressing to higher education

Response: 19

File Description**Document**

Details of student progression to higher education

[View Document](#)**5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)****Response:** 93.98**5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) year wise during last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
14	3	8	03	01

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
27	14	19	20	11

File Description**Document**

Upload supporting data for the same

[View Document](#)

Number of students qualifying in state/ national/ international level examinations during the last five years

[View Document](#)

Any additional information

[View Document](#)**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) during the last five years.

Response: 54

5.3.1.1 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-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	00	0	0	00

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

Department Association : Each department has a unique student association (Mechanical – FLAME, ECE- INTEC, EEE- AMBER'Z, CSE- SCINTEL, Civil- PACE) whose members are elected every year based on academic performance and behavior of the students. Student association members are occupying various key positions like secretary, treasurer, Joint secretary, joint treasurer and executive members. The members play an important role in organizing seminars, workshops, conference and non-technical events through associations and various clubs, forums functioning at institute level. Student members along with other interested students in the department actively involved in planning, organizing and conduction of various events during symposia and prepare department newsletter, magazine and souvenir under the guidance of faculty members.

In addition to department association, student representatives are also participating in various academic committees as follows:

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 give suggestions for their improvement.

Internal Quality Assurance Cell (IQAC): Students 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 is nominated as a student member.

Students Welfare Committee: Student council ensures well discipline atmosphere in the campus for smooth conduction of academic activities and co-curricular, extra-curricular activities.

Centre for Placement & III (PAT & III): PAT & III cell plays a vital role to enhance employability and internship for students. The activities of the cell are planned and executed by a team heading with Dr. P. Rajendran, Director PAT-III. Five students are nominated as student representatives.

Centre for Career Development and Training Cell (CDT): CDT is established in the institute with prime objective to assess the potential students and help them for developing their employability skills continuously and ensure active participation of students in various career skill development programmes. The activities of the cell are planned by a team head Dr. M. Thangavel, Director CDT. Five students are nominated as student representatives.

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.

Sports Committee: Student's members plan the college sports day events and coordinate the events conduction.

Women Empowerment Cell: Student coordinator organizes the program related to gender discrimination, self-confidence development and health issues awareness.

Grievances Redressed and Empowerment Committee for SC/ST Students: Student members propose idea for SC/ST student's results improvement and employability skill development.

Equal Opportunity Cell: Equal opportunity cell is established with the objective to ensure equity and equal opportunity among the students, teaching and non-teaching staff members.

Social Media Cell: Social media cell is established with the objective of to use social media channels as platform to disseminate the college activities to public and all stakeholders.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

Response: 57.4

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
12	20	21	22	20

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document
Any additional information	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

The purpose of an alumni association is to nurture a spirit of faithfulness and to promote the general welfare of Institution. *Alumni associations exist to support the parent organization's goals, and to strengthen the ties between alumni, the community, and the parent organization.* Alumni Association was established in the year 2013 with primary objectives of strengthening alumni connections with institution. Alumni are our institution's most loyal supporters.

<https://alumni.kiot.ac.in/>

The office bearers are elected every year to coordinate the association activities. The following goals are defined to promote the activities.

- To bridge a gap between the institution and alumni
 - To support internship and placement of the current students.
 - To involve in seminars / workshops to motivate, inspire the current students.
 - To promote the representation of the Institution.
- Alumni association has a separate web portal, [https://alumni.kiot.ac.in.](https://alumni.kiot.ac.in/) It works like LinkedIn where alumni can share their information's like job vacancies in the companies, scope in IT sector and core industries among themselves
 - Activity chart will be planned and followed for the smooth conduction of Alumni association activities. Every year during the month of October alumni student's details will be collected and updated in our database.
 - Every year Alumni induction day is organized to honor the outgoing students. Prior to the Alumni

Induction Day, the commencement of Group photo session for the final year students of all departments will be planned and conducted. As the token of love, the memento (Group photo) will be issued to each and every final year student of all departments during the Alumni Induction Day. Executive members will be appointed from each and every section of all departments for meticulously managing all alumni association activities.

- Each year Alumni meet in the name of ‘**Convergencia**’ is conducted for all the graduated students of our institution. Alumni were appreciated for the awards which they got in their working company/ organization. As commemorations of alumni, tree plantation is made for the previous year graduated batches of KIOT during the alumni meet to support the environmental awareness.
- Alumni contribute their valuable feedback and suggestion through Alumni survey to find the curriculum gap and measure the PO attainment level and suggest the suitable content delivery method.
- Totally 63 guest lectures and mentoring sessions are given during the last five years for career development and to learn interpersonal skills, advanced technologies, time management and programming skills in the last 5 years.
- Alumni are involved in conducting mock interviews for final year students to get through in the Campus placements. Totally 9 mock interviews are organized during last five years.
- Alumni often invited as guest speakers in department association, technical club events that are conducted in Institution.
- With the help of social media, an alumnus creates communication networks with present student for better information exchange and healthy conversation.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

Response: <1 Lakh

File Description	Document
Any additional information	View Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

Response: 10

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	View Document
Any additional information	View Document
Report of the event	View Document

NVAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

The institute is established in 2009 by Knowledge Institute of Technology (KIOT) Trust, Salem. It is approved by AICTE, New Delhi and Affiliated to Anna University, Chennai. KIOT is one of the top 60 colleges in Tamil Nadu on TNEA 2019 Admissions.

The vision and mission of the institution is given

Vision

To be a world class institution to impart value and need based professional education to the aspiring youth and carving them into disciplined world class professionals who have the quest for excellence, achievement orientation and social responsibilities.

Mission

- To promote academic growth by offering **state-of-the-art** undergraduate, postgraduate and doctoral **programs** and to generate new knowledge by **engaging** in cutting – edge **research**
- To **nurture talent, entrepreneurship, all-round personality and value system** among the students and to foster competitiveness among students
- To undertake **collaborative projects** which offer opportunities for long-term **interaction with academia and industry**
- To **pursue global standards of excellence** in all our endeavours namely teaching, research, consultancy, continuing education and support functions

The management, principal, HOD's and faculty members are effectively functioning towards in achieving the vision and mission of KIOT.

Perspective Plan

- Aiming for new courses in B.Tech. (IT) and emerging field like B.Tech. (Data Science) with an intake 60. Similarly in Post Graduate programmes like M.E. (Civil Engineering) and M.Tech. (IT)
- Planned to get research centre approval for Electrical and Electronics Engineering in 2020
- Planned for NAAC accreditation with A or A+ in AY 2019-20
- Improving the publications and citations, joint publications and collaborative research
- Increasing the Industry Institute Interaction (III), MoUs, Quality of Placement, Internship, In-plant Training and Industry Visits.
- Establishing Curriculum Development and Delivery (CDD) Centre and training the faculty in CDD

Participation of Teachers in Decision-Making Bodies

- The principal is the head of both the academic and administrative bodies.
- The Governing Council (GC) is the high level decision making committee in the college for administration and academic. Our faculty members are part of the committee and effectively participate towards achieving the vision and mission.
- The faculty members are nominated as members of various committees such as Programme Assessment Committee (PAC), QIC, Course Committee, Discipline Committee etc. so that they can put forth their innovative ideas.
- The faculty members actively take part in various college functions like Annual Day, Achievers Day, Placement Day, Sports Day etc. as part of organizing committee and are encouraged to give ideas pertaining to the growth and betterment of the college.
- The faculty members are given privileges to express their opinions in the department meetings where the department policies are finalized

Quality Policy

To pursue and continuously improve global standards of excellence in all our endeavours. At each stage of planning faculty members are involved in setting the target and progress are reviewed at frequent intervals.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.1.2 The institution practices decentralization and participative management

Response:

The administrative structure at KIOT includes the KIOT Trust, Governing Council, Principal, Various Statutory and Non-statutory bodies, Directors, HoDs, various Utility and Maintenance function Heads, Faculty and Supporting Staffs. In execution, almost in all functions, the administrative setup functions with a decentralized decision making at all levels. The participation of all stakeholders is presented in decision making and execution as in a case study.

Case Study: Improving programming skills for students.

The process involves the following:

S. No.	Key Activity	Participation in Decision Making and Execution	Identified Factors
01	Employer Feedback	Recruiter, Director(PAT), HODs, Faculty & Students	Students programming s needs to improve.
02	Interacting with students to identify exact needs	Students, HODs & Dept. Placement Coordinating Faculty	Students wanted focus tra using a suitable traini

			platform.
03	Brain storming at the department with faculty on various ways	HOD & Faculties	E-Box and Skillrack tra platform are identifie
04	HOD's meeting with Principal to decide final methodology	Principal & HODs	Decided to purchase E- and Skillrack portala
05	Purchase of E-Box and Skillrack Portals	Management, Principal & HOD/CSE	Management approv
06	Course Announcement	Program Coordinator	Creation of awareness a job opportunities releva the course
07	Guidance for students on usefulness	Dept. Placement Coordinator, Faculty Mentors, Class Advisors, Parents & Students	Create the confidence to the reliability of the co
08	Registration of students	Students	Total no.of participan
09	Forming batches and Making execution plan	Program Coordinator, Dept. Placement Coordinator, HOD/CSE & Director-CDT	Finalise the timeline of course
10	Execution of the Course	Course Faculty	Select the suitable teach pedagogy based on th learning style of the stud
11	Review at Stages	Director-CDT & HODs	Corrective action pla
12	Evaluation at regular intervals and Feedback to students through Department	Director-CDT, Dept. Placement Coordinator, HODs, Mentors & Students	Evaluation of the stude performance
13	Feedback at the end of the course and after getting Placement	Participating Students, Director-CDT, Director- PAT & Dept. Placement Coordinator.	Usefulness of the cour towards placement
14	Review and Course correction at HODs meeting	Director-CDT, Director-PAT & Principal	Strategic planning and c module modification for batch.
Outcome	Through structured training program, the students gained rich knowledge in programming skillset w facilitate for top-notch placements with higher salaries		

The KIOT trust delegates the powers to the secretary of the trust to lead the college in successful manner. Next level the principal is the head of the institution and he efficiently proceeds and ensures the smooth conduction of all administrative and academic activities.

Principal periodically convenes meetings with the department Heads, faculty members and students. Ideas gathered from faculty members are exchanged and decisions are made for the better infrastructure and improvement in the academic performance of the students. Principal creates various committees in consultation with the Vice-Principal, Directors and the department Heads. Few Committees are IQAC, Discipline and Welfare Committee, Anti-Ragging Committee, Grievance Redressal Committee, Research Committee. These committees promote the decentralization of work and collective participation management.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2 Strategy Development and Deployment

6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

Response:

KIOT has developed strategic plan for every 5 years (2009-10 to 2013-14), (2014-15 to 2018-19) and the now in the third phase (2019-20 to 2024-25). In the first phase basic infrastructures and laboratories were developed. In the second phase required academic and other facilities were developed. Apart from regular curricular requirements, additional co-curricular facilities beyond curriculum are developed based on the inputs from the stake holders. One such strategic plan is establishment of department Technical Clubs (TCs) and Industry Linked Laboratories (ILLs). The development and implement of the strategy is explained as a case study.

Strategy: Creation of Department TCs (5 per department) and ILLs (2-3 per department.)

Input: In the employer feedback, it is expressed that students are reasonably good at knowledge level. But when it comes to application of knowledge, the students are not able perform better.

Development of strategy:

The employer feedback is discussed with students, faculties and HoDs at various bodies (Class Committee Meeting, Direct Interaction with Students, Department faculty meetings). The outcome is further discussed in the HoDs meeting with principal and strategy is framed as establishing 5 technical clubs per department and 2-3 special laboratories in collaboration or with inputs from reputed industries. The technical clubs will train the students on the respective area and ILLs will help in executing Make-A-Product or develop an application, as beyond curricular activities. Time frame is fixed as three years from 2013-14.

Execution: Various TCs and ILLs established are as follows

Department	Technical Clubs	ILLs
Mechanical Engineering	Renewable Energy, Refrigeration and Air-conditioning, Designers, Manufacturing & Industrial Engineering, Mechatronics & Automation, Automotive and Safety Clubs	1.Composite Research Centre for Product Design, Digital Manufacturing (Harita Techserv) 2.Centre of Heating Ventilation & Air Conditioning (IAPMO)

ECE	<p>Virtual Instrumentation and Data Analytics in Real-time, Signal Processing Analysis in Real-time Knot, FORum for Communication and Embedded, Pioneering Advanced Circuits In the Field of Integrated Chip and Wired and Wireless Intelligent Networks Clubs</p>	<p>1.Gill Instruments Lab (Gill Instruments) 2.Texas Instruments Innovation Lab. (STEPS Knowledge Services) 3.IEEE Blended Learning Lab. (NDA) 4.National Instruments Lab. (National Instruments)</p>
EEE	<p>Power System Engineers, Power Electronics and Drives, Embedded, Robotics and Intelligence Machines and Instrumentation and Control Engineers Clubs</p>	<p>1.Mission10X Technology Learning Center (Wipro) 2.Center of Excellence for Industrial Automation (GENN Automation) 3.Center of Excellence for Embedded Systems Design and Development (ABE Semiconductor Designs) 4.e-Yantra Embedded Systems & Robotics Lab in connection with IIT – Bombay</p>
CSE	<p>Big Data Big Insight, Network Dump, Codeware Development, Association of APPS Developers, IOT, Cloud as a Service and Data Core Clubs</p>	<p>1.Intel IOT Research Lab (Intel-FICE) 2.Big Data Advanced Analytics Lab (Virtusa) 3.Oracle iLearning Lab (Oracle)</p>

CIVIL	Remote Sensing & GIS, Geo Technical, Construction Engineering, Environmental Engineering and Structural Engineering Clubs	1. Centre for Sustainable Building Research - LEED LAB (USGBC) 2. Center of Excellence on Remote Sensing & GIS (SAKURA)
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Outcome: Various activities are conducted as planned. It has resulted in 20-30 prizes at national/state level per year in various competitions and improvement in placement with higher salary levels

File Description	Document
Any additional information	View Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Organization structure

The organizational structure of the institution has KIOT management represented by Secretary, Principal, Various functional heads, HODs, Faculty and supporting staff with clear roles and responsibilities.

Governing Council

The Governing Council (GC) has been constituted as per AICTE and Anna University guidelines with 20 members. The members are chosen from premier institutes, leading industries personnel and Faculty members of KIOT. The main function of Governing Council is to administrate the overall activities of the institution and the approval process through proper channel. In this regard Statutory and Non-statutory committees are formulated which are listed in Criteria 6.2.4. Out of which the some important committees are listed as below.

- IQAC
- Planning and Monitoring Committee
- Anti-Sexual Harassment Cell & Internal Complaints Committee (ICC)
- Grievances Redressal Committee for Students
- Grievances Redressal and Empowerment Committee for SC/ ST Students
- Other Backward Class Cell

- Discipline and Welfare Committee
- Anti-Ragging Committee and Anti-Ragging Squad
- Academic and Administrative Audit Committee (AAA)

The above mentioned committees have well defined roles and responsibilities which are effectively functioning to stream line the institution activities.

Administrative Setup

The Principal of the institution assisted by Vice-Principal, Directors and department heads executes out the policies of the governing council. Faculty members of the concern departments are working under the guidance of HOD.

IQAC

The IQAC has been reconstituted as per NAAC guidelines. IQAC meets at least once in a quarter and reviews & monitoring the regular activities of the college and suggests new initiatives for enhancing the quality of different activities of the institutions. It coordinates various activities of the institutions and ensures that institutions moves ahead by providing quality services to the stakeholders.

Planning and Monitoring Committee

The Planning and Monitoring Committee propose various plans for development of the college, suggest measures necessary to improve and maintain standards of teaching-learning, infrastructures and other functions.

Service Rules

The college policy hand book provides the detailed information on Service Rules, Leave Rules, Policies and Procedure for various activities which is provided in the college website. The policy handbook is updated each year. This book ensures that all faculty, staff members and students aware of various rules and procedures and contribute better for effective functioning of the institution.

Grievances Redressal System

The students can submit the grievances in class committee meetings, suggestion box at department office, suggestion box at principal office, by email / SMS to HOD / Principal, by online grievances systems at the college website. Grievances are received from parents directly in parents meeting held at each semester. Hostel student's feedback is obtained by hostel students meetings at regular intervals. Such student and parent's grievances are analyzed and redressed by the Grievances and Redressal Committee, principal and management within 3 to 7 days times. Faculty and staff can submit their grievances to the principal or directly to the president of the trust. Such grievances are discussed and resolved by the president and office bearers of the trust within a week.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development
- 2.Administration
- 3.Finance and Accounts
- 4.Student Admission and Support
- 5.Examination

Response: C. Any 3 of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP Document	View Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document
Any additional information	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

In KIOT, for effective functioning, Various Statutory and Non- Statutory Committees are formed. Every committee has its own roles and responsibilities and meetings which are planned at specified intervals based on the need. Every meeting is held to discuss the specific agenda and the decisions are recorded as minutes. The decisions are forwarded to next level in hierarchy for further approval and sanctioning. For any implementations, the above generic process is followed.

Case Study: Company Specific Training for Enhancing Placements

For any sustainable organization, the feedbacks from key stakeholders are very important. In KIOT, Parents, Alumni and employer feedback are taken for any kind of decision making, and the critical comments are reviewed and positive measures are put forward. The frequency of parents meeting and alumni meeting are twice and once in a year respectively. The employer feedback is collected during the placement drive. Consolidation of feedback shows, more important may be given for *company specific training for students which may help in employability in core companies.*

These feedbacks are discussed in HOD's meeting with principal and the details are recommended

to Centre for Career Development and Training (CDT). CDT offer structured training program on ethics, values, soft skills, placement and provide career guidance. As per the discussions made in the HOD's meeting, Company Specific Trainings are initiated. The objective is to train the students to meet the company requirements. This can be achieved by using the external organizations as well as internal training activities. Such company specific training provided in 2018-19 are listed below:

Sl. No.	Date	Year & Dept.	Name of the Training Program	Resource Person
1	28.08.2018 29.08.2018	to IV Year (CSE, ECE & EEE)	TCS (Ninja)	FACE, Coimbatore
2	29.08.2018 30.08.2018	to IV Year (CSE, ECE, EEE & Mech)	TCS (Ninja)	Ethnus, Bangalore
3	25.08.2018 30.08.2018	to IV Year (CSE, ECE, EEE & Mech) Japanese Trained- Students only	Company Specific Sreparation TCS	KIOT
4	23.10.2018	IV Year (CSE, ECE & EEE)	CTS Specific Training Program	FACE, Coimbatore
5	05.08.2018 09.08.2018	to IV Year (CSE, ECE, EEE & Mech) Japanese Trained- Students only	Company Specific Sreparation- CTS	KIOT, Faculty
6	10.12.2018 11.12.2018	to IV Year (CSE, ECE & EEE)	Infosys – Specific Training Program	FACE, Coimbatore
7	09.01.2019	IV Year (CSE, ECE, EEE & Mech) Japanese Students only	HCL (Japanese) – Specific Training Program	Mr.Kumar

Outcome: Through well-defined company specific training program, the good number of students are placed in reputed companies with higher salary package.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

The institution to enhance the professional development of its teaching and non-teaching staff:

The institution supports the faculty members and non-teaching staff to enhance their professional development by:

- Permitting On-Duty to the faculty members with 100% sponsorship for attending Faculty Development Program on subjects, attending seminars / workshops / conferences / MOOC Courses

- Encouraging faculty members to associate with State, National and International professional bodies.
- Providing latest study materials including e-Journals, NPTEL course videos to the faculty members through the central library
- Encouraging participation of faculty in workshops, orientation programmes, refresher courses, seminars, workshops and conferences organized by premier institution like IIT, NIT, IISE, etc
- An exclusive induction training for new faculty members
- Expert lectures on advanced technologies are organized regularly
- Joint collaboration with leading industries for consultancy projects and faculty training
- Awarding good performers at every year on special occasions like Achievers Award functions and Annual Day.
- Exclusive HRD Cell and Research Forum to device and execute Faculty development activities.

There are well-defined strategies in our campus for faculty empowerment through training and motivation.

- HRD cell conducts programs for faculty members related to teaching pedagogy, stress management and student management.
- Senior faculty assess the performance of new faculty members and provide peer feedback for their improvement in teaching – learning process
- Department HoDS deliver lecturer on effective conduction of theory and laboratory sessions for faculty members.
- Institution promotes research attitude among faculty members through Research Forum by conducting various programs.
- Department HoDS train the faculty members on effective maintenance of department file system
- All faculty members are deputed to attend Faculty Development Program that are conducted at various institutions. If any faculty still feel difficult to handle the subjects will be sent for training once again in the consecutive semesters

Welfare schemes available for teaching and non-teaching staff	Percentage of staff has availed of the benefit of such schemes in the last five years
Contributory PF	77%
Group Insurance for Faculty and Staff	100%

Measures taken by the institution for attracting and retaining eminent faculty

Institution always recognizes and retains the talented faculty members with the following attractive measures for better career prospectus.

- Additional responsible roles in statutory and non-statutory bodies related to Governance and administration of the institution
- The institution providing incentives of Rs.500/- to teachers who receive state level recognition/awards and Rs.1,000/- who receive national and international recognition/awards.
- 21 days' vacation for teaching faculty members and 15 days for nonteaching staff
- Maximum 25 days On-Duty per year for faculty members
- 20 days Casual Leave per year (12 days CL+8 days Medical leave can be availed like CL)
- 10 days Wedding leave (Adjusted in Vacation)
- Free transportation for both the faculty members and non-teaching staff members

- Free food and accommodation for faculty, staff staying in hostel, campus maintenance staff and drivers.
- The Institute has designed a performance appraisal system for the career development of faculty members and non-teaching staff

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 48.56

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
32	78	112	126	92

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	View Document
Any additional information	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 16.4

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	02	14	19	15

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response: 82.13

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
21	36	28	27	23

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers).	View Document
IQAC report summary	View Document
Details of teachers attending professional development programs during the last five years	View Document
Any additional information	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

The Institute has designed a Performance Appraisal System for the career development of faculty. This may be a valuable process for both the institute and the faculty, as it provides the areas that need to be improved. It helps both faculty and administration to devise strategies for improvement.

Implementation of Faculty Appraisal System

Every year all faculty members and staff have to submit a comprehensive self-assessment report through their heads of the department to the Principal. The faculty evaluation form includes their contribution to teaching learning process, research & consultancy and administration & service.

Teaching Learning Process:

- Percentage of pass in Tests / Model Exams
- Percentage of pass in University exams (Odd & Even)
- Students Feedback
- Activity for uplifting slow learners
- Faculty Communication Skill development (TOEFL / BEC)
- Online certification course / Preparation of video lectures / Innovation in class room teaching
- Arrangements / conducts of Industrial Visit relevant to subject

Based on the above 8 categories, the faculty members are evaluated for 50 marks.

Research and Consultancy:

- Journal Publication of technical papers: Scopus indexed / EBSCO / equivalent journals
- Publications of books
- Funded projects
- Ph.D. completed
- Consultancy work
- Conference papers – oral presentation in reputed conference (National / International)

Based on the above 6 categories, the faculty members are evaluated for 50 marks.

Administration and Service:

- Mentor effectiveness
- Seminar / Workshop / National & International Conference / Value Added Program organized
- Administration and outreach activities
- Assistance in college Administration or COE lab Single Point of Contact (SPOC) / introducing or linking new company.

Based on the above 4 categories, the faculty members are evaluated for 50 marks.

The accomplishment of this evaluation process is the development of the institution along with self-growth of every faculty member. The feedback for each faculty is taken in department wise, sent to department heads with a copy to the Principal. The department heads discuss the same with the faculty on a one to one basis and appreciates or counsels depending on their feedback.

Implementation of Supporting Staff Appraisal System

At the end of each academic year, all the supporting staff submits their performance appraisal form, which includes the following parameters

- Personal Traits
- Administrative Skills
- Work related Skills
- Contribution of college activities

The department heads evaluate the appraisal form and the report is submitted to the principal for the further process. The performance appraisal process of the year comes to the final stage with one to one discussion.

The Management plays an active role in the performance appraisal of the faculty and staff. Every year department wise best faculty, best researcher and best supporting staff award will be given based on their performance appraisal. This motivates all other faculty members to perform well in academics & research. The department heads and the Principal identify the areas of improvement and suggest the required Faculty Development Programs in the coming years.

File Description	Document
Any additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The institution has a pre-defined mechanism for internal and external audit.

- Internal audit conducted by the Internal Audit Committee (Audits previous 3 months income and expenditure)
- External audit conducted by the Chartered Accountant

The Internal Audit Committee (IAC) consists of 5 members of the trust who 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.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response: 169.22

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
1.23	0.3	0.44	2.54	0.36

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	View Document
Any additional information	View Document
Annual statements of accounts	View Document

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

Major sources of institutional funding

Fee collection is the major source of income for the college. Apart from this, the trust is funding for capital expenditure like building and purchase of equipment to the possible extent. The institution is also collecting fee towards hostel and transport. (Enclosed copy of audited income and expenditure statements)

Additional funding and the utilization

Apart from trustee contribution, bank loans are obtained to meet the additional financial needs for developing infrastructure & laboratories. Additional funds are generated by providing trust facilities (not the institution facility) for rent to industries and for online examinations. The funds obtained so are used back to the development of the institution.

Online Examination

Conducting online examinations for various government and non-government organizations brings another source of income to college and the resources are effectively utilized. Regularly the following organizations are conducting online examination using the college computing facilities on weekends.

- TCS Ion Centre
- Career Abroad
- Eduquity Career Technologies Pvt.Ltd.
- Pragya Technologies
- Salasar Comserve LLP
- SATVAT

Sponsored Research Projects & Consultancy

In order to modernize our labs with new equipment and also to create new facilities for research, the faculty regularly apply for projects to the funding agencies. About is Industry Linked Labs are established which are partly supported by industries. Faculty members are also involved in consultancy and testing to a reasonable extent which strengthen the source of income.

Sponsored Programs

Our college is recognised remote centre of IIT Bombay where continuously conduct the FDP, STTP and other programs to faculty, students at our college and nearby institutions. AICTE, ISTE, IEEE and IEI are providing funds for conducting the programs.

File Description	Document
Link for Additional Information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

IQAC has devised many initiatives from the feedback of the stakeholders. The initiatives are mainly related to academics, placements, research, consultancy and accreditation process. Some of the initiatives are listed.

Academics

- Make-A-Product (MAP) concepts
- Certificate Courses (CC), Value Added Courses (VAC) and Vocational Educational and Training (VET)
- University results improvements
- Special coaching classes for students having arrears (Saturdays)

- Motivational classes for arrear students (iCan Club)

Placement

- Company Specific Training through COE
- Domain Specific Training through Industry Link Laboratories
- Foreign language training (Japanese & German)
- Interview etiquettes
- MoU with industries for exclusive training to students

Quality and Accreditation Process

- Applying NIRF ranking since 2015-16
- Accredited by NAAC with B++ grade in the 8th year of college (2017)
- Accredited by NBA accreditation for B.E. Mech., ECE, EEE & CSE programmes for 3 years during April 2019

Japanese Language Training

IQAC has initiated Japanese language training in the campus through Centre for Foreign language. It has created awareness among the students about opportunities available for the engineering graduate with Japanese language certification (N5/N4/N3). KIOT has signed a MoU with ABK AOTS DOSOKAI, Erode Chapter and trained 57 students of first batch in the year 2015-16. As the result of this language training, reputed IT majors (like HCL, CTS, TCS) have come to KIOT campus for exclusively recruiting these students.

S. No.	Academic Year	JLPT - N5		JLPT - N4	
		No. of Students Registered	No. of Students Passed	No. of Students Registered	No.
1.	2015-16	57	16	-	
2.	2016-17	84	14	28	
3.	2017-18	72	30	39	
4.	2018-19	268	77	69	
Total		481	137	136	

Centre of Excellence

IQAC has initiated Centre of Excellence with various leading industries for faculty and students training for better placements.

1. Virtusa, Chennai on 2018 in the field of Data Analytics

Aim of the centre is to Setup Hadoop Cluster and write Complex Map Reduce programs and to know the Hadoop ecosystem concepts and analytics. This mainly focuses on the technologies, tools/algorithms that are available for a variety of “analytics” that enables the students to do industry standard academic projects. Few courses such as Solid modeling using CATIA software, NXCAD software are provided.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

The establishment of Internal Quality Assurance Cell (IQAC) is a major step in pushing long-term quality standards. IQAC is a significant administrative body that is responsible for all quality matters. The key responsibility of IQAC to initiate, plan and supervise various activities that are necessary to increase the quality of the education imparted in an institution.

To impart quality teaching-learning environment in KIOT campus via IQAC the institution reviews its teaching learning mechanism, methodologies of operation and learning outcomes at periodic intervals as per norms. OBE model of NBA is used IQAC suggests many reforms for teaching learning process. KIOT has implemented various methods out of which the use of ICT Tools for teaching and activity based teaching in class room are predominant.

ICT Tools usage for teaching

Information and Communications Technology (ICT) is playing an important role in transforming institution in effective manners. The new technologies have the potential to upkeep education across the curriculum and deliver opportunities for efficient student-teacher communication in ways not possible in other technologies. Hence, integrating these technologies in the college would be an important step in improving the quality of teaching and learning.

IQAC of KIOT has initiated the importance of implementing ICT tools in teaching learning process. In this context, the Management decided to setup the ICT infrastructure for all class rooms and computer labs with the facilities of projector, internet connection and audio system. Our college make efforts to enrich the usage of ICT tools through various programs like “Foundation Program in ICT for Education” conducted by IIT Bombay, AICTE approved FDP on "Pedagogy for Online and Blended Teaching Learning Process" conducted by IIT Bombay and “Engineering Faculty Workshop” by Wipro Mission 10X at KIOT. Almost all the faculty members of the college have attended the above programs and experienced the ICT tools and take advantages to switch over from conventional methodology to advanced one. The faculties prepare the study materials using ICT tools like Power point presentation, NPTEL course videos, Youtube videos, Google Class Room and Wordpress, etc. and started implementing the system in class rooms by suitable method.

Activity Based Teaching

Activity Based Teaching (ABT) method is the student-friendly educational aids to foster self-learning and allows a student to study according to his skill. ABT enables student-centered and student - friendly education.

The ABL method has created a visible improvement in student's learning and psychology. In KIOT, the following activities are effectively implemented in successive manner.

- Role Play
- Brain Storming
- Puzzle and Games
- Mind Mapping
- Flipped Class
- Simulation using Software packages for course delivery
- Models used for Teaching
- Computer Model based Teaching
- Connecting any Device Based on its model.
- Case Studies

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 25.6

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
20	20	24	30	15

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
- 2.Academic Administrative Audit (AAA) and initiation of follow up action**
- 3.Participation in NIRF**
- 4.ISO Certification**
- 5.NBA or any other quality audit**

Response: A. Any 4 of the above

File Description	Document
e-copies of the accreditations and certifications	View Document
Details of Quality assurance initiatives of the institution	View Document
Any additional information	View Document
Annual reports of institution	View Document

6.5.5 Incremental improvements made during the preceding five years (in case of first cycle) Post accreditation quality initiatives (second and subsequent cycles)

Response:

2017-18

- Seven additional MoU's were signed with leading industries for students internship and placement such as Virtusa Corporation, Aspire Systems (India) Pvt Ltd, Focus Academy for Career Enhancement and others.
- Established exclusive Centre of Excellence on VIRTUSA (DATA ANALYTICS) to train the students for domain specific training
- Implementation of OBE and CBCS across all UG/PG programmes since 2017.
- Launching of NPTEL local chapter, which is significantly increase the faculty members and students to participate NPTEL online certification courses.
- Participation in BAJA SAE INDIA Contest from 2017 at Chitkara University Punjab and won prizes.
- Conducting Academic and Administrative Audit (AAA) to improve the quality of teaching learning methodology and maintenance of records.
- Participating in all India level NIRF ranking
- Totally 7 Ph.D. scholars produced in the Academic year.
- IAB Blind Empowerment Champions 2017 Silver Zone Award
- Certificate of Appreciation for activities organized towards the advancement of IEEE and Engineering Profession during the year 2017 and Classified as Grade S
- Implementation of ICT tools usage in teaching learning process and our faculty members has equipped using ICT tools through various programs like FDTP, STTP and Mission 10x conducted

by IIT Bombay and Wipro at our college.

- Dr.K.Visagavel, Prof. & Head Received Best HOD of the Year award from CSI Mumbai Chapter I the Technext India 2018 held on 10.02.2018 & 11.02.2018 at IIT Bombay, Mumbai.
- Dr.N.Santhiyakumari HOD / ECE has received Student Branch Counselor Award for outstanding support at IEEE Madras section
- Young Faculty Achiever (YFA–2018) award from Engineering Professional Society
- The Institution of Engineering and Technology, Chennai Local Network Promotional Award from the IET
- Dr.P.Rajendran Man of the Match Award from Virtusa
- Best Administrator and Best Faculty 2017 from Dr.Kalam Educational Trust for Tribal

2018-19

- Obtained NBA accreditation for B.E. (Mech., ECE, EEE & CSE) for 3 years during April 2019.
- Implementation of smart class rooms in all the department
- Totally 8 MoU's were signed with leading industries for students internship and placement such as Innovative Solutions, TIDF-MACBRO Technology India Pvt. Ltd, National Institute of Fire & Safety Management, Aries Biomed Technology Pvt. Ltd and Green Circuits.
- Our KIOT students participate national level Smart India Hackathon and get appreciation from the authority
- Dr.N.Santhiyakumari HOD / ECE and Dr.C.Muniraj HOD /EEE has recognised as senior member in IEEE- USA.
- Many faculties getting certificate of appreciation for fostering the student project submitted to TEXAS INSTRUMENTS India Innovation Challenge Design Contest 2018.
- Received Award under Judge's Choice Category in e-Yantra's Ideas Competition
- Recognized as ICT Academy Certified Trainer from ICT Academy
- Totally 4 Ph.D. scholars produced in the Academic year.
- Certificate of Appreciation for activities organized towards the advancement of IEEE and Engineering Profession during the year 2018

File Description	Document
Any additional information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 30

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
04	06	07	04	02

File Description	Document
Report of the event	View Document
List of gender equity promotion programs organized by the institution	View Document
Any additional information	View Document

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

Response:

Gender sensitivity is the process, designed to open up communications between the genders to bring mutual understanding and respect of each other's roles in building a healthy environment.

Knowledge Institute of Technology is empowered with more than 40% of female faculty members, housekeeping sweepers and students. The institution gives specific attention to sensitive genders in providing facilities towards women safety and security, counseling and common room requirements.

Safety and security

- In KIOT, Anti-Ragging committee is active, each department is equipped with suggestion box to redress any grievance arises from students.
- To ensure safety and security, the provision of surveillance camera in all academic block corridors make sensitive genders feel safe.

- To ensure women safety in hostel, a female warden is appointed to perform her duties towards girl's safety. The warden informs the parent about the wards in case of medical emergency and or giving permission through proper channel to attend any programs outside the campus or to go residence. For both the genders, hostels are equipped with surveillance camera and a hostel committees are functioning to redress the grievances if any.
- Hostel duty for teaching faculty is scheduled and performed periodically in both girls and boys hostel to monitor and guiding students towards academics. This plays a vital role in giving comfort to both the genders during examination.
- The institution is facilitating safe transport facility, around 33 buses are running to cover various routes for day scholars, seats are reserved for boys, girls and staff. Sensitive genders feel safe and secure by the provision of buses to those who are involved in various curricular, co-curricular and extra-curricular activities beyond the college hours.

Counseling

- In KIOT, female faculty advisors actively involved in molding and motivating the sensitive genders to take part in various contests at regional, national and international level. Students form a heterogeneous like-minded team to participate and conquer the events. In addition a mechanism of mentoring system is prevailed in all the departments to nurture design thinking among students and channelize them towards their success path.
- In KIOT, Women Empowerment Cell (WEC) is active to conduct women exclusive programs at regular intervals in each year. WEC is a forum to all girl students and female faculty members of KIOT for the exchange of their ideas. The objective of the cell is to create an awareness of the Women's Right and to empower Women with power, passion and purpose.
- WEC has department level female co-coordinators to facilitate sensitive gender issues. WEC is also acts as anti-sexual harassment cell which takes care of women harassment issues if any and counseling can be done by WEC overall co-ordinator. As of now no gender grievances or gender harassment issues are recorded.

Common Room

- Common room facilities are available for both boys and girls. Students can make use of magazines and newspapers which are provided in the common room. First aid box are kept available in case of emergency. A lady attender is available to take care of students during illness or any health issues.

File Description	Document
Any additional information	View Document

7.1.3 Alternate Energy initiatives such as:

1. Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 0

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)	
7.1.3.2 Total annual power requirement (in KWH)	
Response: 744642	
File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document
Link for Additional Information	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs	
Response: 50.84	
7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)	
Response: 10539.375	
7.1.4.2 Annual lighting power requirement (in KWH)	
Response: 20729.445	
File Description	Document
Details of lighting power requirements met through LED bulbs	View Document
Any additional information	View Document

<p>7.1.5 Waste Management steps including:</p> <ul style="list-style-type: none"> • Solid waste management • Liquid waste management • E-waste management <p>Response:</p> <p>Waste generation is an intrinsic part of human existence. Waste materials are usually characterized by their nature, components and quality. Waste management involves the collection, transportation, processing, disposal, management and monitoring of waste materials. In KIOT campus the following initiatives are taken towards the waste management of solid waste, liquid waste and E-waste. They are as follows.</p> <p>Solid waste Management</p> <ul style="list-style-type: none"> • In order to achieve a healthy and conducive environment in KIOT campus we follow the disposal of solid waste through vendors. A mechanism of solid waste collection and storage is devised and

the collected solid waste such as metal scraps, plastic waste and paper waste are disposed through vendors.

- Routine disposal of debris and droppings from trees are done through KIOT housekeeping staffs. They dust all the floors of academic buildings, hostels and pathways as per timeline and ensures campus cleanliness.
- Food and vegetable wastes from hostel and canteen are collected and given to outside farmers, who fed the cattle.
- To make plastic free zone campus the environmental impact on the usage of plastic bags and water bottles are addressed to students in the class room at the beginning of every semester.
- Students are enriched with the importance of waste management and methods of waste disposal mechanism via courses attended such as Environmental Science and Engineering, Solid waste Management etc. in their curriculum.

Liquid Waste Management

The increase in consumption of water for domestic purpose greatly influences the volume of waste water and safe disposal of sewage is a cause of concern. The reuse of treated water is a vital solution towards liquid waste management. There are methods to treat waste water such as sewage treatment plant (STP) and effluent treatment (ETP). Students have insight to benefits of liquid waste management and methods of disposal through their curriculum.

- In KIOT campus, in the North Eastern side of boys hostel a Sewage Treatment Plant with a capacity of 45,000 litres / day is used to recycle the waste water. The treated water is utilized for watering the lawns, trees and plants with the help of drip irrigation. The diluted chemicals and solutions (liquid waste) from environmental and chemistry laboratories are disposed effectively by running water in sinks

E - Waste Management

Electronic waste or E-waste is any broken or unwanted electrical or electronic appliance. It includes computers, entertainment electronics, mobile phones and other items that have been discarded by their original users.

- In KIOT campus the E-waste generated from the departments are collected through maintenance team and are safely disposed through vendors. Student gains awareness about E-waste management and its effects through their curriculum.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Ground water is one of the important sources of water in urban as well as rural areas. It is very evident from the number of failing bore wells or Open wells that it is unsustainable to pump out water from wells without recharging the same from the rain water. To reduce the effect of over exploitation, ground water recharges are to be taken up on a large scale at residential and institutional buildings.

With increasing urbanization, underground water has been indiscriminately exploited, causing depletion in water table. Increase in consumption and reduced precipitation intensity in regions is a vital cause for water scarcity. Rainwater Harvesting (RWH) is a technology where surface runoff is effectively collected during yielding rain periods. The proper rain water management could minimize the water crisis.

The methodology of rainwater harvesting involves collection, channelization, filtering, storage and recharge of rain water. The rainwater collected from rooftop catchment areas and surface runoffs are properly drained to respective recharge points. Surface runoff water thus collected is channelized effectively towards the recharging pits and it enters into the bore well through filters. The collected water is stored and recharging the ground water.

In KIOT campus an open well of 60 feet deep is available at academic C-Block basement to collect the roof top rainwater from the neighboring academic blocks in its vicinity. In addition there are three bore wells that are installed at salient spots to collect the surface runoffs effectively.

The bore wells are located in the vicinity of academic blocks such as D-block, E-block and in Boys hostel and Girls hostel building respectively. The surface runoffs percolates deep in to soil via recharging pits at the junction of bore well and thus facilitate the way for groundwater recharge.

The mean annual rainfall rate of Sankari region was recorded as 771 mm in the year 2018. On an average 0.01683 MCFT (Million Cubic Feet) volume of rainwater is collected from roof top catchment area which is properly channelized to recharge the open well. By surface runoffs approximately 0.322 MCFT volume of rainwater is drained into respective bore wells installed at distinguish spots of the campus. In total 0.338 MCFT volume of rainwater is collected from both roof top and runoff catchment area respectively.

Key benefits

- Earlier in KIOT campus the consumption of water for drinking and domestic purposes is facilitated by premium water service through tanker lorry. Now it has been greatly reduced since the recharge of ground water satisfies the domestic water requirements.
- RWH system established a balance between water demand and supplies and greatly influenced in saving amount of water expenses approximately a lakh of rupees in a year through ground water recharging.
- RWH system gains rich impact in reducing runoffs and minimize water logging thereby reduces drainage problem.
- RWH practice helps to avoid Day Zero and the related root causes in the future.

- Students and faculty members of the institution have realized the importance of water by RWH practice followed in KIOT campus.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

The institution has a well-planned eco-friendly environment with provision for rain water harvesting and sewage treatment. The campus has around 600 trees which facilitate ambient environment for learning. The institution is increasing its green cover every year to have lush green environment.

The following are the Green Practices prevailing in the Institution:

- Green landscaping with trees and Plants – The institution has around 600 trees in the campus to ensure zero carbon emission and pollution.
- Every year alumni day is being celebrated and the newly inducted alumni plant a sapling in our campus.
- Only limited vehicles are allowed in the academic area to avoid pollution and noise.
- Burning of debris is banned inside the campus.
- 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.
- A sewage treatment plant has been constructed to treat the liquid waste and the treated water is utilized for watering the trees.
- Solid and e-waste are disposed properly through external waste management agencies.
- 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.
- Public transportation like Government bus (TNSTC), private route bus, shared cab and autos are available very nearer to the college within 50 meters.
- Around 1850 students and faculty members are able to avail 33 college bus facilities to reach out 4 neighboring districts (Salem, Erode, Namakkal and Dharmapuri).

- Pedestrian friendly roads and platforms are laid in the campus.
- Well planned drainage and rain water harvesting have been implemented throughout the campus to avoid water stagnation and disease (water born diseases).
- Save Energy - Usage of LED bulbs have been initiated to use the energy in effective way.
- Paperless Office – Communication inside the campus is made by using the recent advancement in communication like e-mail, Official groups in whatsapp, Text SMS, shared network and Google drive etc.,The institution has implemented **IMPRES ERP** software for Admission, Attendance management and Academic monitoring, Payroll, and Student Activity Management etc.,Paper usage inside the campus is minimized in a large way.

Our Institution has

- Green landscaping with trees and plant sapling
- Plastic-free campus
- Paperless office

Students, staff using

- Bicycles
- Public and College Transport
- Pedestrian Friendly Roads

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.91

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
3.31	2.72	4.23	6.6	18.72

File Description	Document
Green audit report	View Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Response: B. At least 6 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document
link to photos and videos of facilities for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 35

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
01	0	0	0	01

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document
Any additional information	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 42

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
03	03	04	03	03

File Description	Document
Report of the event	View Document
Any additional information	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
Any additional information	View Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	View Document
Any additional information	View Document

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response: Yes

File Description	Document
Any additional information	View Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response: 38

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2	16	7	6	3

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Being a higher educational institution, it has the responsibility of creating young engineers having social responsibility with normal values. By joining hand with the government initiatives to recollect our great leaders and Indian festivals. Our institute does celebrate/observe various national festivals & birth/death anniversaries of the great Indian personalities. The following are celebrated in the institute with students and faculty participations.

Independence Day:

On Every August 15, Independence Day is celebrated in our nation. Here in KIOT, Independence day is being celebrated every year on August 15 to promote patriotism. On this day Programmes such as Flag Hoisting, Debate and Speech on Independence & Freedom Fighters were done.

Republic Day:

Republic Day is celebrated on Jan. 26 at KIOT. On this day Flag Hoisting was done and various competitions were celebrated. Cultural Events was conducted for staff members.

Engineer's Day:

Engineer's day is celebrated every year on 15th September, commemorates the birthday of the legendary engineer Sir Mokshagundam Visvesvaraya. As part of this day, various competitions such as Debate, Poster presentation, VFX Multimedia presentation were conducted.

Teacher's Day:

In the remembrance of Dr. Radhakrishnan's birthday, Teacher's day is celebrated on 5th September every

year. In view of this day, Poem writing & Debate were conducted for faculty for remembering the day.

Constitution Day:

In KIOT, Constitution day was celebrated on November 26th, birth anniversary of Dr. Ambedkar who had chaired the drafting committee of the Constituent Assembly and played a pivotal role in the drafting of the constitution.

Sadbhavana Day :

The ‘Sadbavana Day Pledge’ taking ceremony was observed on August 20th, birth anniversary of former Prime Minister Rajiv Gandhi. The theme of ‘Sadbhavana Diwas’ is to promote national integration and communal harmony among people of all region, language and regions.

Vinayaka Chaturthi

In KIOT, Vinayaka Chaturthi is celebrated on every year with great enthusiasm to get wisdom, prosperity and good fortune in future life. Faculty members, students from both girls and boys hostel participated in the celebration.

World Photography Day:

World Photography Day is celebrated on every August 19th to enhance the extra activity of students. Students are given task to make photography on the given theme and submit for valuation. The selected photography would be given prize and all photography would be displayed for audience view.

World Environment Day:

As Environment pollution becomes a serious issue. Now days, it becomes necessity to create awareness on environment issue to save our earth. World environment day is observed on June 5 th every year to make the people aware to keep the environment clean.

World Wide Web Day:

World wide web day was observed on August 1st at KIOT on behalf of ISTE student chapter is association with department of CSE. In view of the day, ‘Tech Talk on Web of things’ was conducted. The objective of the event was to voice out the skills of innovation & communication. ISTE life time student members were participated. Student participated were expected to present their idea in PPT format.

File Description	Document
Any additional information	View Document

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

Transparency means the necessary information is available and known to the stakeholders in an accessible manner. The operations at KIOT are executed in such a transparent manner. The college website provides almost all the necessary information to the stake holders viz. the students, parents, faculty and staff members and public at large. The college website has information on administration, admission policy, department facilities, faculty and staff, research activities, placement, clubs and forums, e-resources developed by faculty and mandatory disclosure related to AICTE, Anna University, DOTE, NBA and NAAC.

Financial Transparency

Budget is prepared by Faculty, Lab In-charges, Department Heads and Principal. Final budget is approved by management in June/July every year. Principal and HoDs are given full freedom to execute various tasks as per plan within the sanctioned budget. Faculty members are made as finance in-charge for handling finance, related to various activities. Faculty and staff salary is paid through bank and everyone is aware of all others salary. Institution provides necessary financial support to all faculty and staff without any discrimination to attend various programs as per the policy guidelines. All purchases are executed by faculty following the purchase procedure.

Transparency in Academics and Administration

Operating guidelines, code of conduct, roles and responsibilities are defined for all faculty members, staff and students are executed in the transparent manner. Faculty members have full freedom in academic delivery and assessment without any interference and all aspects are clearly known to students. Almost all activities are executed as per the academic calendar which is prepared in advance by Faculty, HoD, Placement & Training Director. The execution is monitored and reviewed by various statutory and non-statutory bodies and principal.

Transparency in Auxiliary Functions

All related functions like purchase, library, sports, hostel, mess and transport are operated in a very transparent manner involving all the stakeholders. Any purchase, the request is sent to management through HoD and Principal by the faculty. Management checks the details and is within the sanctioned budget and approves. Then faculty/ staff call for quotation and prepare comparative statement. After purchase committee approval, the order is placed by the principal. The faculty/staff and the trust office make the payments. Transparency is ensured by involving execution of such tasks involving various levels.

File Description	Document
Any additional information	View Document

7.2 Best Practices**7.2.1 Describe at least two institutional best practices (as per NAAC Format)**

Response:**Best Practices****1. Title of the Practice:**

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 have 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 Techser Pvt. Ltd., Coimbatore, to train the students on Solid Modeling 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 center 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 Techser Pvt. Ltd., Coimbatore. Among the trained students 80% of them are placed in Harita Techser 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 gets 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 gets 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

2. Title of the Practice:

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 students 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.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

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.

Communication Skills:

Good oral and written communication skills are essential in order to understand and deliver information quickly and accurately. Developing communication skills plays a vital role in many aspects of students' life, from their professional career to social gatherings and their life. The communication skill training is required especially for the students with rural background. Training is conducted during first to fourth semester.

Problem Solving Skills:

The problem solving skill trainings are given to facilitate the students to solve problems in an effective and timely manner without any impediments. Knowledge alone is not adequate to solve the problems but, complimenting it with systematic problem solving approaches make the difference. This helps the students to overcome hazardous challenges. It is provided during fifth to seventh semester.

Interpersonal Skills:

Interpersonal skill is the ability to interact with people through effective listening and communication. These skills are often called as soft skills or life skills and are used to interact with people around, either individually or as a group. The intrapersonal skills are provided to the students to share their views through proper communication and achieve the intended objective in a workplace or in day-to-day affairs. Training is given to students during third and fourth semester.

Entrepreneurial Skills:

A successful entrepreneur should be able to think out-of-the-box to introduce new, innovative techniques and ideas. Entrepreneurship Development Cell (EDC) connects the successful entrepreneurs and students with flair for entrepreneurship. The entrepreneurs share their challenges in the entrepreneurial journey and their key learning to run the business successfully. Various activities are conducted through EDC Cell to train and motivate the students during 4 - 7 semesters to become Job Creators rather than Job Seekers.

Values & Ethics:

Ethics and Values are essential in personal as well as professional life. The values such as Honesty, self-discipline, punctuality, hard work are instilled in the minds of the students by different programs and activities. Professional ethics are taught to practice and follow code of conduct in a workplace. As a result, the students are able to follow the moral values and to cope with the institutional practices. Moreover, they adhere to the code of conduct in the professional career. Training is organized during first to fourth semester.

Interview Skills:

Presentation skills are necessary in addition to knowledge and skills to crack the interview successfully. The way in which candidates present themselves gives edge over the rest and sets the tone for selection. These skills are inculcated in training programs and also through mock interviews conducted by industry experts and academicians. Interview skill training is conducted during fifth to seventh semester.

Life Skills:

Important life skills such as time management, resilience, Positive attitude, leadership skills, self-awareness and self-confidence are imparted to the students through various programs organized by different cells and forums. Life skill training is given to students during first to fourth semester.

Programming Skills:

Programming skills are expected from engineers of all disciplines by the industries to design, develop, test and maintain their products and services. The students of all the disciplines are given opportunities to learn the basic constructs of the programming languages and to solve the engineering problems by adapting a systematic and scientific approach. The students practice the problem solving regularly by using specialized packages, which facilitate the learning in a step by step method. Training is provided to students during third to seventh semester.

Higher Education and Career Guidance Cell

Training is given through Higher Education and Career Guidance Cell for the students willing to attend competitive exams and to pursue higher studies in India and abroad. Various awareness programs such as Awareness for pursuing MBA, Career guidance about GATE/TANCET, Government sector opportunity, Emerging technologies and career opportunities, Higher education in abroad, Awareness Program for Banking Sectors, Ways to crack competitive examinations, Overseas education in European countries, Ways to smash UPSC (IAS and IPS) exam, IELTS are conducted through Higher Education and Career Guidance Cell.

EVIDENCE OF SUCCESS

Based on the skills acquired from training activities in various forums, students perform consistently to show case their talent in placements, higher education and entrepreneurship.

As a result of different training programmes, the students perform well in campus interview.

Placement of Outgoing Students					
Academic Year	2018-19	2017-18	2016-17	2015-16	2014-15
No. of Students Placed	521	530	549	470	368
More than 90% of the students registered for placement are being consistently placed each year since 2013					

Students perform well in competitive exams through the training given by Higher Education and Career Guidance Cell.

Students Qualified in Competitive Examination					
Academic Year	2018-19	2017-18	2016-17	2015-16	2014-15
No. of Students cleared competitive examination	25	13	17	19	11

Higher Education (2015-19 Batch)		
Sl. No.	Department	No. of Students
1.	MECH	06
2.	ECE	05
3.	CSE	03
4.	CIVIL	03
5.	EEE	01

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

5. CONCLUSION

Additional Information :

By using the excellent rapport with industries, KIOT conducts pooled campus drives for various other college students including Engineering, Polytechnic and Arts and Science streams from the Salem-Namakkal region as part of the institution's Corporate Social Responsibility.

On an average **30 to 50** company drives are conducted per year free of cost for all participants as pooled campus drives and 500-1500 students of various colleges get placement opportunities in addition to **500+** KIOT students. The recruiters in such pooled drive include Wipro, IBM, Accenture, Nokia-Siemens Networks, Tech Mahindra, TCS, Poornam Info Vision, CSC, Rane, Verizon, Syntel, Mahindra Finance, GKN Driveline, i-Nautix, Krossark, Vinayak Infotech, Mphasis, OFS, Turbo Energy Ltd. (TEL), Windcare India Pvt. Ltd., etc.

Concluding Remarks :

- Started in 2009 and completed **10** years
- programs in B.E., **4** programs in M.E. and **2** programs in Ph.D.
- accredited in **2017** and 4 programs in B.E. (MECH, ECE, EEE and CSE) are accredited by **NBA** in **2019**
- Institution has good brand value among students of the region because of unique **training** and development methodology of **800+** hours and more than **80% placements** every year
- 60+ clubs, forms and associations for student centric training and development
- Received good number of awards and recognitions
- The institution grows as per the vision of becoming Top 500 in the world ranking in 2035
- Institution has become the Top 2 choice among the students in Salem and Namakkal region, Top 20 among AU-CBE zone and Top 60 across Tamil Nadu in TNEA admissions

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p>Number of certificate/diploma program introduced during the last five years</p> <p>1.1.2.1. Number of certificate/diploma programs introduced year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>12</td> <td>18</td> <td>21</td> <td>23</td> <td>18</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>03</td> <td>06</td> <td>11</td> <td>05</td> <td>09</td> </tr> </tbody> </table> <p>Remark : As per the HEI data attached with the Metric in response taking the year of induction. Only programmes inducted and continued in subsequent years have been considered. The count for such programmes remains 01 in the year of induction and counted once only.</p>	2018-19	2017-18	2016-17	2015-16	2014-15	12	18	21	23	18	2018-19	2017-18	2016-17	2015-16	2014-15	03	06	11	05	09
2018-19	2017-18	2016-17	2015-16	2014-15																	
12	18	21	23	18																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
03	06	11	05	09																	
1.2.1	<p>Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</p> <p>1.2.1.1. How many new courses are introduced within the last five years</p> <p>Answer before DVV Verification : 1769</p> <p>Answer after DVV Verification: 475</p>																				
1.3.2	<p>Number of value added courses imparting transferable and life skills offered during the last five years</p> <p>1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years</p> <p>Answer before DVV Verification : 144</p> <p>Answer after DVV Verification: 86</p>																				
2.1.1	<p>Average percentage of students from other States and Countries during the last five years</p> <p>2.1.1.1. Number of students from other states and countries year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>1</td> <td>3</td> <td>1</td> <td>1</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	0	1	3	1	1	2018-19	2017-18	2016-17	2015-16	2014-15					
2018-19	2017-18	2016-17	2015-16	2014-15																	
0	1	3	1	1																	
2018-19	2017-18	2016-17	2015-16	2014-15																	

1	1	3	1	0
---	---	---	---	---

2.1.2 Average Enrollment percentage

(Average of last five years)

2.1.2.1. Number of students admitted year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
421	784	644	785	725

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
388	676	554	678	636

2.1.2.2. Number of sanctioned seats year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
888	888	888	888	888

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
756	756	756	756	756

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

2.1.3.1. Number of actual students admitted from the reserved categories year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
403	477	467	492	492

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
370	406	400	424	423

2.4.3 Teaching experience per full time teacher in number of years

2.4.3.1. Total experience of full-time teachers

Answer before DVV Verification : 1457 years

Answer after DVV Verification: 1435.8 years

Remark : As per the HEI data attached in the linked Excel sheet with the response.

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
28	10	11	25	38

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
02	00	3	01	0

Remark : Recognitions as senior member of IEEE have considered. Award from Nehru Group, CSI (Coimbatore Chapter), EMC, ISTE local chapter, IEI local chapter for projects are not awards, recognition, fellowships at State, National, International level from Government/ Govt recognized bodies. Maharashtra State ISTE award in 2015-16 is considered (national convention of ISTE). Dr Santhyakumarin Dr Vanitha and Dr Srinivasan in 2016-17 at ISTE National Convention 2016-17,

3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

3.1.1.1. Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0.475	0.562	64.84	0.58	18.48

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	00	0	0

Remark : The4 HEI was advised that the attached documents were student project/ market survey, fabrication, experiments and consultancy project. These are not Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments etc. HEI as also advised that Only Grants for research projects sponsored by the non-

	government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years could be considered in this Metric. The HEI has staked claim on the same non-eligible assignments.																				
3.1.2	<p>Percentage of teachers recognised as research guides at present</p> <p>3.1.2.1. Number of teachers recognised as research guides Answer before DVV Verification : 10 Answer after DVV Verification: 10</p>																				
3.1.3	<p>Number of research projects per teacher funded, by government and non-government agencies, during the last five year</p> <p>3.1.3.1. Number of research projects funded by government and non-government agencies during the last five years Answer before DVV Verification : 27 Answer after DVV Verification: 00</p> <p>3.1.3.2. Number of full time teachers worked in the institution during the last 5 years Answer before DVV Verification : 907 Answer after DVV Verification: 227</p>																				
3.2.2	<p>Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years</p> <p>3.2.2.1. Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>6</td> <td>6</td> <td>15</td> <td>6</td> <td>5</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>05</td> <td>4</td> <td>3</td> <td>1</td> <td>1</td> </tr> </tbody> </table> <p>Remark : The workshops Industry Expert Interaction Programme on “Carrying out Effective Research, Consultancy and Patenting” and Industry Expert Interaction Programme on “How to do Innovative Projects and worth Patenting” on 06 Sep 2018 are sessions of the same activity by prof R Kandasamy. Expert talks by Prof Paramasivam and Prof M Kantha Babu and Mr S Praveen in 2018-19 considered. The HEI was requested to provide E-copies of brochure/invitation letter of workshop /seminar. None of these have been attached. The HEI has nomenclatures of the activities that has word research but the Flex or brochures are not provided. None of the reports carry any signatures as requested.</p>	2018-19	2017-18	2016-17	2015-16	2014-15	6	6	15	6	5	2018-19	2017-18	2016-17	2015-16	2014-15	05	4	3	1	1
2018-19	2017-18	2016-17	2015-16	2014-15																	
6	6	15	6	5																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
05	4	3	1	1																	
3.3.3	Number of Ph.D.s awarded per teacher during the last five years																				

3.3.3.1. How many Ph.Ds awarded within last five years

Answer before DVV Verification : 16

Answer after DVV Verification: 16

3.3.3.2. Number of teachers recognized as guides during the last five years

Answer before DVV Verification : 6

Answer after DVV Verification: 10

Remark : As per the HEI input in 3.1.2 there are 10 faculty members recognized as research guides.

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

3.3.4.1. Number of research papers in the Journals notified on UGC website during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
7	4	8	14	67

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
7	4	8	14	0

Remark : All the HEI entries for the year 2014-15 are in the cancelled ugc list and hence research papers not considered as n the Journals notified on UGC website.

3.3.5 Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
8	106	52	129	107

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	43	34	82	41

3.4.2 Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

3.4.2.1. Total number of awards and recognition received for extension activities from

Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1	6	11	7	7

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	2	01	01	01

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

3.4.3.1. Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
15	17	19	18	8

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
14	14	11	05	01

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

3.4.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2190	2310	2011	1962	1723

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1328	679	1168	1375	1177

Remark : The HEI was advised to attach data only in NAAC prescribed format for the Metric as

an Excel file. The HEI had claimed the same activities as in 3.4.3. The HEI was advised that multiple benefit of the same activity was not eligible. It was advised that activities through NSS/NCC/RRC were not eligible in 3.4.4. As per the HEI data. The HEI was required to provide reports with photographs signed by the principal. This has not been done. There are large number of students in the list who have participated in multiple activities. This has been applied at 70 % level.

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

3.5.2.1. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
31	24	20	21	13

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
07	06	02	07	05

Remark : The HEI has claimed non continuous MoU's as continuous. MoU's with break not considered Eg Smart Trg in 2014-15. As per the HEI data attached with the Mdetric in response.

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
40	40	460	710	460

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
38.56	40	452	708	447

4.2.6 Percentage per day usage of library by teachers and students

4.2.6.1. Average number of teachers and students using library per day over last one year

Answer before DVV Verification : 532

Answer after DVV Verification: 532

4.4.1	<p>Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years</p> <p>4.4.1.1. Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 389 1046 524"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>176.58</td> <td>163.82</td> <td>201.06</td> <td>160.47</td> <td>95.83</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 602 1046 736"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>19.58</td> <td>21.54</td> <td>46.03</td> <td>31.4</td> <td>22.52</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	176.58	163.82	201.06	160.47	95.83	2018-19	2017-18	2016-17	2015-16	2014-15	19.58	21.54	46.03	31.4	22.52
2018-19	2017-18	2016-17	2015-16	2014-15																	
176.58	163.82	201.06	160.47	95.83																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
19.58	21.54	46.03	31.4	22.52																	
5.1.2	<p>Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years</p> <p>5.1.2.1. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1014 1046 1149"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>748</td> <td>812</td> <td>846</td> <td>657</td> <td>411</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1227 1046 1361"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>742</td> <td>826</td> <td>852</td> <td>871</td> <td>411</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	748	812	846	657	411	2018-19	2017-18	2016-17	2015-16	2014-15	742	826	852	871	411
2018-19	2017-18	2016-17	2015-16	2014-15																	
748	812	846	657	411																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
742	826	852	871	411																	
5.1.4	<p>Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years</p> <p>5.1.4.1. Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="304 1641 1046 1776"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>1328</td> <td>1660</td> <td>1808</td> <td>2400</td> <td>1858</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="304 1854 1046 1989"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>730</td> <td>685</td> <td>699</td> <td>646</td> <td>524</td> </tr> </tbody> </table> <p>Remark : The HEI has multiple counts of the students. Same students as in 2018-19 SI No 1</p>	2018-19	2017-18	2016-17	2015-16	2014-15	1328	1660	1808	2400	1858	2018-19	2017-18	2016-17	2015-16	2014-15	730	685	699	646	524
2018-19	2017-18	2016-17	2015-16	2014-15																	
1328	1660	1808	2400	1858																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
730	685	699	646	524																	

onwards are in list of 2017-18 sl No 169 onward and also in 2016-17 Sl No 229 onwards and so on. The HEI was advised that The HEI cannot claim that a student is benefited by guidance for competitive examinations and career counselling offered by the institution every year from year 1 to year 4 and as many times. The major benefit, even if counselled for all the years of study, would be once when the student appears in higher exam/ placement.

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

5.1.5.1. Number of students attending VET year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
689	799	786	719	670

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

Remark : None of the claimed VET programmes meet the Sop criteria "• Include only those programs which are of a duration of three months or more".

5.2.1 Average percentage of placement of outgoing students during the last five years

5.2.1.1. Number of outgoing students placed year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
521	530	549	470	368

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
521	530	549	470	368

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1. Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) year wise during last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
25	13	17	19	11

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
14	3	8	03	01

5.2.3.2. Number of students who have appeared for the exams year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
27	14	19	20	11

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
27	14	19	20	11

Remark : As per the HEI data attached with the Metric in response.

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) during the last five years.

5.3.1.1. 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-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
3	20	18	11	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	00	0	0	00

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
39	56	67	62	63

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15

12	20	21	22	20
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5.4.2 Alumni contribution during the last five years(INR in Lakhs)

Answer before DVV Verification : ? 5 Lakhs

Answer After DVV Verification: <1 Lakh

Remark : The HEI did not attach any data with the SSR, neither of the donations/contributions nor audited budget /balance sheets. The HEI was advised to attach copies of the receipts of donations. It was also requested that Account statement signed by the Presidents of the Association and the principal may be attached. The HEI has not provided he requested documents or account statement.

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

5.4.3.1. Number of Alumni Association /Chapters meetings held year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
3	3	2	1	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	1	1

6.2.3 Implementation of e-governance in areas of operation

1. Planning and Development
2. Administration
3. Finance and Accounts
4. Student Admission and Support
5. Examination

Answer before DVV Verification : A. All 5 of the above

Answer After DVV Verification: C. Any 3 of the above

Remark : The HEI documents attached support Only Administration, Student Admission and Support and Finance and Accounts areas.

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

6.3.2.1. Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
33	78	113	130	95

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
32	78	112	126	92

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
6	10	17	25	24

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
01	02	14	19	15

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
103	158	184	167	139

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
21	36	28	27	23

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

6.4.2.1. Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15

31.76	103.27	4.77	21.97	7.45
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Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1.23	0.3	0.44	2.54	0.36

Remark : The HEI has included Fees charged for conduct of Online Exam and organizing activities as grants. Similarly consultancy charged is not a grant.

6.5.3

Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
21	20	24	44	19

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
20	20	24	30	15

7.1.1

Number of gender equity promotion programs organized by the institution during the last five years

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
7	7	8	5	3

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
04	06	07	04	02

7.1.9

Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms

6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Answer before DVV Verification : A. 7 and more of the above

Answer After DVV Verification: B. At least 6 of the above

- 7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years
7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
8	8	7	6	6

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
01	0	0	0	01

Remark : The HEI has claimed Smart India Hackathon as specific initiatives to address locational advantages and disadvantages. Only E2S2 considered in 2018-19 and industrial visit to Thermal plant in 2014-15. The other years industrial visit to Thermal plant becomes a routine to the initiative of 2014-15.

- 7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
6	7	10	11	8

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
03	03	04	03	03

- 7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
3	16	8	7	4

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
2	16	7	6	3

Remark : The HEI has conducted Motivational Training programmes in 2014-15, 2015-16 and 2016-17 that are not eligible as activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties and have been considered under 5.1.3 (Placement Cell activity).

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of courses offered by the institution across all programs during the last five years</p> <p>Answer before DVV Verification : 1979</p> <p>Answer after DVV Verification : 475</p>																				
2.2	<p>Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>613</td> <td>613</td> <td>613</td> <td>613</td> <td>613</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>522</td> <td>522</td> <td>522</td> <td>522</td> <td>522</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	613	613	613	613	613	2018-19	2017-18	2016-17	2015-16	2014-15	522	522	522	522	522
2018-19	2017-18	2016-17	2015-16	2014-15																	
613	613	613	613	613																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
522	522	522	522	522																	
3.2	<p>Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>440.15</td> <td>447.86</td> <td>1034.62</td> <td>1233.70</td> <td>837.73</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> <th>2015-16</th> <th>2014-15</th> </tr> </thead> <tbody> <tr> <td>440.15</td> <td>447.86</td> <td>1034.62</td> <td>1233.70</td> <td>837.73</td> </tr> </tbody> </table>	2018-19	2017-18	2016-17	2015-16	2014-15	440.15	447.86	1034.62	1233.70	837.73	2018-19	2017-18	2016-17	2015-16	2014-15	440.15	447.86	1034.62	1233.70	837.73
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NAAC