



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE
Name of the head of the Institution	Dr. K. Ashoka Reddy
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0870-2564888
Mobile no.	7382520585
Registered Email	principal@kitsw.ac.in
Alternate Email	iqac@kitsw.ac.in
Address	OPP: YERRAGATTU GUTTA BHEEMARAM VILLAGE HASANPARTHY MANDAL WARANGAL DISTRICT, Telangana - 506015
City/Town	Warangal
State/UT	Telangana

Pincode	506015																		
<b>2. Institutional Status</b>																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	19-Jun-2014																		
Type of Institution	Co-education																		
Location	Urban																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Prof. K.Eswaraiah																		
Phone no/Alternate Phone no.	08702564320																		
Mobile no.	9949106646																		
Registered Email	iqac@kitsw.ac.in																		
Alternate Email	principal@kitsw.ac.in																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://kitsw.ac.in/homepage_pages/NAAC.html">https://kitsw.ac.in/homepage_pages/NAAC.html</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://kitsw.ac.in/academics/Almanac_Autonomous.html">https://kitsw.ac.in/academics/Almanac_Autonomous.html</a>																		
<b>5. Accrediation Details</b>																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.21</td> <td>2018</td> <td>02-Nov-2018</td> <td>01-Nov-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.21	2018	02-Nov-2018	01-Nov-2023
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.21	2018	02-Nov-2018	01-Nov-2023														
<b>6. Date of Establishment of IQAC</b>	03-Dec-2012																		
<b>7. Internal Quality Assurance System</b>																			

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Value Education in Induction Programme Resource person: Prof. R. Pradeep Kumar garu, Prof. in CED & Head, Earthquake Research Centre, IIIT Hyderabad	12-Jul-2018 1	200
Induction program for First year students & Curriculum revision as per AICTE model curriculum	16-Jul-2018 14	900
Question Paper Setting for Outcome Based Education	06-Feb-2019 1	220
Effective e-Resources Retrieval Strategies for Efficient Research Resource person: Mr. M. S. Srinivasa, Training Manager (Karnatnka and Telangana), Training Manager, Hyderabad	23-Feb-2019 1	200
Effective Course Outcomes for Outcome Based Education Resource person: Prof. K. Ashoka Reddy, Principal, KITSW	16-Apr-2019 1	195
Calculation of COAL & CDAL for Outcome Based Education Resource person: Prof. K. Ashoka Reddy, Principal, KITSW	06-May-2019 1	210
AICTE sponsored 3-day workshop on	16-May-2019 3	190
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**8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.**

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Smt. S.B. Swathi, Asst. Prof., ITD	Emerging Trends in Wireless Networks	DST	2018 7	100000
Dr. L. Sudheer Reddy, Professor, CED	Optimization of sustainable Cementitious	DST	2018 7	200000

	Materials for Development of Different Cement Compositions			
Dr. V.Shankar, Professor, Dept. of CSE	Big Data Analytics	ISTE-AICTE	2018 1	450000
Sri B. Hanumanthu, Asst. Prof, CSE	Sensor Networks	DST, ICPS Scheme	2018 14	900000
Sri A. Srinivas, Asst. Professor, ECE and Sri B. Hanumanthu, Asst. Prof, CSE	Artificial Intelligence	DST, ICPS Scheme	2018 1	700000
Dr. Sunitha Chakrawarthy, Asst. Prof., MBA Dept.	Digital India : Initiative Towards Social Transformation and Empowerment	ICSSR, MHRD, New Delhi	2018 1	200000
Sri B. Srinivas, Asst. Professor, CSE	Artificial Intelligence	DST, ICPS Scheme	2019 14	900000
Dr. Ch. Satish Chandra, Assoc. Prof., PSSD	Student Induction Program	AICTE, MHRD, New Delhi	2019 3	200000
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<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	1
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>	

As a measure of Quality assurance, Faculty Research Support Scheme (FRSS) and Faculty Research Incentive Scheme (FRIS) For academic integrity antiplagiarism software has been process for screening all does for plagiarism. Introduction of OBE in teaching Learning by implementing Table of specification for all courses, CDLL and CO mapped question papers, Evaluation of attainments of CO and CDLL. With the concept of Quality initiative in teaching, college has recruited many Ph.D holders as faculty. At present 31 of faculty are Ph.D holders out of 230 total faculty. College received Research and Consultancy grants from AICTE, UGC, DST and AQIS, totaling about 57 Lakhs in 201819. Conduction of Program Skill Development (PSD) classes over and above curriculum for B.Tech II year students Condcution of Yoga practice classes for all B.Tech II year students

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

Plan of Action	Achivements/Outcomes
Softskill and CRT programmes Substantial increase in placements	English Communication Skills Many students could go for MS programmes.
To conduct a minimum of two Faculty Development Programmes per department per year	Helped in publishing Technical papers by faculty and completion of Ph.D programme.
Promoting Guest Lectures and Workshops in advanced areas	Students could understand the advanced topics and present technical papers in symposia and conferences
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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
Internal Quality Assurance Cell (IQAC)	30-Nov-2019

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

Yes

Date of Visit

11-Dec-2018

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2019

Date of Submission

11-Feb-2019

<b>17. Does the Institution have Management Information System ?</b>	<b>Yes</b>
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>1. College Management Software (CMS): The following information is shared through CMS to all the teaching and non teaching staff: a. Notices and Circulars. b. Examinations Display of Internal Marks, external Marks, old question papers, Model Question papers. c. Digital Library Open access to all faculty and students. Digital library consists of Journal, IEEE, ASME, ASCE Journals, Digital Library Journals, ebooks and eJournals. d. Uploading of assignments, Class notes, Table of Specification (ToS), Tutorials through CMS. e. Sending SMS to students and parents with regard to daily attendance and performance</p> <p>2. College Website: The following information is displayed on the college website: a. Online fee payment portal. b. Notifications, Instructions, circulars, results, Exam schedules for students are displayed on college website. c. Departmental related information is displayed under each departmental link. d. Information related to Placements, alumni, infrastructure and achievements are displayed. e. Previous issues of Department News letters are available on website. f. Faculty Webpages</p>

**Part B**

**CRITERION I – CURRICULAR ASPECTS**

**1.1 – Curriculum Design and Development**

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	CE	Civil Engineering	21/06/2018
BTech	ME	Mechanical Engineering	21/06/2018
BTech	EIE	Electronics & Instrumentation Engineering	21/06/2018
BTech	EEE	Electrical & Electronics Engineering	21/06/2018
BTech	CSE	Computer Science & Engineering	18/05/2019
BTech	ECE	Electronics &	03/05/2019

		Communication Engineering	
BTech	IT	Information Technology	03/05/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Civil Engineering	21/06/2018	U18MH204-English for Communication	21/06/2018
BTech	Mechanical Engineering	21/06/2018	Programming Skill Development Laboratory	16/07/2019
BTech	Electronics & Instrumentation Engineering	21/06/2018	U18 EI 305-Sensors and Transducers	04/05/2019
BTech	Electronics & Instrumentation Engineering	21/06/2018	U18 EI 306-Electronic Devices and Circuits-I	04/05/2019
BTech	Electronics & Instrumentation Engineering	21/06/2018	U18 EI 307-Digital Circuits and Logic Design	04/05/2019
BTech	Electronics & Instrumentation Engineering	21/06/2018	U18EI403-Signal Analysis and Systems	04/05/2019
BTech	Electronics & Instrumentation Engineering	21/06/2018	U18 EI 404-Electronic Devices and Circuits-II	04/05/2019
BTech	Electronics & Instrumentation Engineering	21/06/2018	U18 EI 405-Process Instrumentation	04/05/2019
BTech	Electronics & Instrumentation Engineering	21/06/2018	U18 EI 406-Digital Design using VHDL	04/05/2019
BTech	Electronics & Instrumentation Engineering	21/06/2018	U18 EI505-VLSI Design	04/05/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
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BTech	Induction Programme (MC)	20/07/2018
BTech	Basic Electrical Engineering Laboratory (U18EE206)	20/07/2018
BTech	Programming for Problem Solving using C(U18CS102)	20/07/2018
BTech	Programming for Problem Solving using C Laboratory (U18CS107)	20/07/2018
BTech	Data Structures through C (U18CS202)	20/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	26/06/2018
BTech	Mechanical Engineering	26/06/2018
BTech	Electronics & Instrumentation Engineering	26/06/2018
BTech	Electrical & Electronics Engineering	26/06/2018
BTech	Computer Science & Engineering	26/06/2018
BTech	Electronics & Communication Engineering	26/06/2018
BTech	Information Technology	26/06/2018
Mtech	Structural & Construction Engineering	26/06/2018
Mtech	Design Engineering	26/06/2018
Mtech	Digital Communication	26/06/2018
Mtech	Software Engineering	26/06/2018
Mtech	VLSI & Embedded Systems	26/06/2018
Mtech	Power Electronics	26/06/2018
MBA	Master of Business Administration	26/06/2018

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Induction Programme (Mandatory Course)	02/07/2018	900
Environmental Studies-(U18CH109)	02/07/2018	900
EAA:Sports/Yoga/NSS	02/07/2018	200



-(U18EA110)		
Essence of Indian Traditional Knowledge- U18MH415	04/05/2019	300
EAA/YOGA- U18EA210	01/07/2019	200
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### 1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	B. Tech. - CE	1
BTech	All B. Tech. Programmes	4
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## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Online Feedback and Class Review Committee (CRC) minutes of the meeting are taken from the students before MSE-IMSE-II. Based on that, difficulties in teaching learning process will be noted. It is useful for the development of Laboratories in adding new equipment and removal of old equipment which is not functioning properly. Latest courses are added in to the curriculum based on the feedback received from the stakeholders. Hence the feedback system is very useful for the overall development of the Institution. Feedback collected from Students, Teachers, Employers and Alumni is analysed and syllabus, course curriculum is developed accordingly for the benefit of student and towards the growth of the institute. Eminent academic experts, alumni are included in BOS who formulate the syllabus. Institute conducts online feedback by the student every semester, after the end semester examination. The student's gives feedback for all the theory and practical courses taught to them in the semester. The general assessment points of the feedback based on question based syllabus, adequacy of syllabus, assessment of answer books, Satisfaction about teaching methodology, Teachers approachability towards students, Teachers ability to teach subject and control the class, Syllabus coverage organisation of lectures use of modern tools of Pedagogy etc. on a grade of 5 scale with number 5 meaning excellent and zero meaning poor performance. The teachers are accordingly instructed by the authorities to improve their performances. Alumni Feedback is conducted whenever alumni program such as Foundation Day, Technology Day and Alumni Meet are organised in the Institute during academic year. The Feedback from Alumni is drawn evaluating subject knowledge of the program, level of meeting expectation, progress of Alumni in career after graduation, impact of training, motivation at Institute, Impact of training at ICT on personality, maturity, Social Skills, ability to take decisions, ability to manage finances and presentation skills at the workplace ITC. This feedback</p>

is also taken on a 5 point scale on 1 to 5 with 1 at satisfactory and level 5 on excellent level. The Employers feedback highlights evaluation parameters in the form of subject knowledge, attitude, Behaviour, Regularity, Punctuality, Maturity, Motivation, Creativity, Presentation Skills and ability to get along with others. The analysis of this feedback helps institute in reframing the course content and various skill development training. It also helps in determining overall employability of our students at various levels. The feedback from the Parents helps the Institute immensely reorienting the administrative, accommodation, general ambience, the skill development, suitability of the courses for career growth of the ward, the skill development of ward etc. Feedback mechanism is used in the design and development of the curriculum. Feedback from faculty, alumni, employers, academic experts, parents and industry experts is taken regarding the curriculum and it's restructuring. Eminent academic experts, alumni are included in BOS who formulate the syllabus. • Python course introduced on feedback from industry experts • Bigdata / Cloud computing courses introduced on feedback from alumni members • Theory to Laboratory courses JAVA introduce on feedback from students survey

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BTech	Civil Engineering	120	125	120
BTech	Mechanical Engineering	180	172	172
BTech	Electronics & Instrumentation Engineering	60	54	54
BTech	Computer Science & Engineering	180	192	180
BTech	Electrical & Electronics Engineering	120	126	120
BTech	Electronics & Communication Engineering	180	191	180
BTech	Information Technology	60	72	60

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### 2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	3867	360	138	21	71

## 2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
233	231	52	71	29	52

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

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

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

Student Mentoring system is available in the Institution. A faculty is given with 16 to 20 students for continuous counselling and mentoring. Each year 4 to 5 students are allocated to a faculty. Till the students leave the campus, he is the mentor for them in all the aspects of monitoring the attendance, results, career counselling etc. Every Friday during the lunch hour students will meet the respective counsellors and discuss the various issues and signed in the student counselling record book. Institute has a well defined policy of mentoring newly admitted under graduate students. Institute admits students from various socio economical backgrounds, students from rural, urban and metropolitan regions, as we have 100 quota of UG students from Telangana State. When these students arrives in the Institute, they face many emotional, behavioural, economic and other difficulties for all these they need mentors to help them to come out of these situation and gain confidence of facing such situations bravely. Institute has appointed a full time counsellor who helps fresher's to overcome their emotional, behavioural difficulties during first 2 to 3 months their stay in the institute. During the induction program students are made aware of the counsellor and the type of help counsellor can provide to the students who face such type of difficulties. Institute organizes the induction program for fresh students during the first two weeks of their first semester in the institute. On the very first day Principal of the institute addressee fresh students giving them the basic information about the Institute, various courses conducted in the institute relevance of this courses industrial and other requirements of the national and international community and various career opportunity after completion of graduation. In the same session head of the departments also brief to the fresh students about their individual department there courses, laboratories, major projects, research facilities and the opportunities for the students of the department Institute assigns to every teaching faculty the role of mentor to the newly admitted students. In this way each faculty assigned with 3 to 4 students of the 1st year undergraduate process for a complete year. The students meet mentors frequently and get their support in overcoming the emotional and other difficulties of them. There is a team of elected representatives of the technological association of the institute which is engage with extra and co-curricular activity of the institute students. These senior students' representatives also perform the work of mentorship. YES- • Student interaction is available with allotted counsellor where student can express his doubts and suggestion on any issues. • Student attendance is monitored for regular interval of time. • Student marks are monitored and Remedial classes are conducted for weak students • Regularly the progress is informed to parents through counsellor and daily SMS is sent to parent. Overall , counsellor will be acting a role of guardian in institution on behalf of parent. Yes, ? Student interaction is available with allotted counsellor where student can express his doubts and suggestion

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4228	230	1:18

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
28	28	0	28	3

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year )

Year of Award	Name of full time teachers	Designation	Name of the award,
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	receiving awards from state level, national level, international level		fellowship, received from Government or recognized bodies
2018	Dr. G. Sudheer Kumar	Associate Professor	INDIA's Top Cited Author Award 2019
2018	Dr. M. Murali	Assistant Professor	Adarsh Vidya Saraswati Rashtriya Puraskar
2019	Sri Ch.Sridhar	Assistant Professor	Research ratna award of year 2019 from national level award
2019	Sri Sanjoy Gokul	Assistant Professor	Research ratna award of year 2019 from national level award
2018	Dr. K. Sridhar	Professor	Best Research Paper Award
2018	Dr. K. Raja Narendra Reddy	Professor	Best Research Paper Award
2018	Dr. G. Ganesh Kumar	Associate Professor	Best Research Paper Award
2019	Sri Ch. Karunakar	Assistant Professor	Dronacharya Award
2019	Sri V. Srikanth	Assistant Professor	Best Research Paper Award
2018	Singarapu Pranavi	Assistant Professor	Qualified in Telangana State Eligibility TEST - 2018

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## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	All B. Tech. Programmes	I Semester	17/12/2018	11/01/2019
BTech	All B. Tech. Programmes	II Semester	24/05/2019	04/08/2019
BTech	All B. Tech. Programmes	III Semester	13/12/2018	11/01/2019
BTech	All B. Tech. Programmes	IV Semester	04/06/2019	31/07/2019
BTech	All B. Tech. Programmes	V Semester	04/12/2018	11/01/2019
BTech	All B. Tech. Programmes	VI Semester	22/05/2019	31/07/2019

BTech	All B. Tech. Programmes	VII Semester	03/12/2018	11/01/2019
BTech	All B. Tech. Programmes	VIII Semester	16/05/2019	08/07/2019
Mtech	All B. Tech. Programmes	I Semester	28/12/2019	11/01/2019
MBA	MBA	I Semester	10/12/2018	11/01/2019
<a href="#">View File</a>				

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

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

## 2.6 – Student Performance and Learning Outcomes

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

<a href="https://kitsw.ac.in/academics/home.html">https://kitsw.ac.in/academics/home.html</a>
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2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CE	BTech	Civil Engineering	137	127	90.5
ME	BTech	Mechanical Engineering	132	114	86.4
EIE	BTech	Electronics & Instrumentation Engineering	64	56	87.5
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## 2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<a href="https://kitsw.ac.in/homepage_pages/#">https://kitsw.ac.in/homepage_pages/#</a>
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## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

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

<b>Yes</b>
Name of the teacher getting seed money
B. Jeevan

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

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	B Sai Laxman	QIP Ph. D.	17/04/2019	IISc Bangalore
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### 3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	760	UGC	4	4
Minor Projects	760	UGC	2.5	2.5
Major Projects	1095	DST	41.36	34.95
Students Research Projects (Other than compulsory by the University)	365	KITSW	0.5	0.5

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

4

### 3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
DST-SERB sponsored seminar on Optimization of sustainable cementitious materials for development of different cement composites	Civil Engineering	27/08/2018
Finishing school programme	Civil Engineering	07/03/2019
Smart Mechanical Systems	Mechanical Engineering	04/10/2018
Hands on Program on ANSYS Software	Mechanical Engineering	12/11/2018
Research Methodology (RM-19)	Mechanical Engineering	07/01/2019
Refrigeration and Air-	Mechanical Engineering	15/02/2019

Conditioning- Industrial applications		
Finite Element Method	Mechanical Engineering	16/02/2019
Big-Data Analytics using R-tool	CSE	02/07/2019
Hands-on Python	CSE	15/09/2018
Machine Learning	CSE	04/10/2018
Ethical Hacking	CSE	08/02/2019
Question Paper Setting for Outcome Based Education	IQAC	16/02/2019
Install, Troubleshoot and Maintenance of Computers	CSE	18/02/2019
Writing Effective COs for OBE	IQAC	29/04/2019
cVigil Mobile Application	CSE	19/03/2019
OBE-Calculation of COAL, CDLL	IQAC	10/05/2019
Disaster Management	IT	08/03/2019
Search Engine Optimization (conducted for Professional Elective: Information Retrieval System)	IT	09/02/2019
Current Trends in AI ML	IT	11/02/2019
Cloud Computing	IT	21/12/2018
Exploring data security	IT	04/10/2018
Principles of Programming Languages	IT	04/08/2018
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### 3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
INDIA'S Top Cited Author Award 2019	Dr. G. Sudheer Kumar	IOP publications.	10/09/2019	Research
Adarsh Vidya Saraswati Rashtriya Puraskar	Dr. M. Murali	Adarsh Vidya Saraswati	08/01/2019	Research
Modeling Spatial Variability of Precipitation over a Catchment	Ch. Sridhar	RULA Awards	26/02/2019	Research Ratna
Modeling Spatial	Sri. Vijay Surya Wanshi	RULA Awards	26/02/2019	Research Ratna

Variability of Precipitation over a Catchment				
Best paper award	Dr.P.Niranjana	ETAINN Conference UCE, KU WARANGAL	20/03/2019	Research
Best paper award	S.Kiran	ETAINN Conference UCE, KU WARANGAL	20/03/2019	Research
Best paper award	S.Kiran	ICECE SriLanka	11/06/2019	Research
Outstanding Reviwer Award	M.Santhosh	Applied Soft Computing Journal(Elsevier)	26/09/2018	Research
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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	Innovation and Incubation Center	KITS Warangal	--	--	21/09/2018
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### 3.4 – Research Publications and Awards

#### 3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Civil Engineering	1
Computer Science Engineering	1
Mathematics Humanities	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Civil Engineering	2	0
International	Civil Engineering	62	0
International	Mechanical Engineering	16	2
International	Electronics and Instrumentation Engineering	5	0.5
International	Electrical and Electronics Engineering	20	0
International	Computer Science and Engineering	51	0
International	Electronics and	22	1.29



	Communications Engineering		
International	Information Technology	11	0
National	Physical Science	2	0
International	Physical Science	8	0.8
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	1
Mechanical Engineering	35
Electronics and Instrumentation Engineering	1
Computer Science and Engineering	15
Electrical and Electronics Engineering	3
Electronics and Communications Engineering	12
Information Technology	7
Physical Science	12
MBA	13
<a href="#">View File</a>	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Synthesis of functionally graded ceramic composites for Radome application	Published	41005163	15/02/2019
<a href="#">View File</a>			

3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
State Estimation Based Neural Network in Wind Speed Forecasting: A Non Iterative Approach	D. Rakesh Chandra	Journal of Green Engineering	2018	0	National Institute of Technology, Warangal.	1

Investigations on Microstructural Evolutions and Mechanical Properties of Dual-Phase 600 Steel and AA6082-T6 Aluminum Alloy Dissimilar Joints Fabricated by Friction Stir Welding	M. D. Sameer, Anil Kumar Birru	Transactions of the Indian Institute of Metals	2019	0	National Institute of Technology, Manipur	2
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
State Estimation Based Neural Network in Wind Speed Forecasting: A Non Iterative Approach	D. Rakesh Chandra, M. Sailaja Kumari, M. Sydulu, V.Ramaiah	Journal of Green Engineering	2018	0	0	National Institute of Technology, Warangal.
"Numerical analysis on solar air collector provided with artificial square shaped roughness for indirect type solar dryer",	A.B. Lingayat, V.P. Chandramohan, V.R.K. Raju,	Journal of Cleaner Production, Elsevier	2018	1	6	National Institute of Technology, Manipur
Investigations on Microstructural	M. D. Sameer Anil Kumar Birru	Transactions of the Indian	2019	1	2	National Institute of Technol

ral Evolutions and Mechanical Properties of Dual- Phase 600 Steel and AA6082-T6 Aluminum Alloy Dissimilar Joints Fabricated by Friction Stir Welding	Institute of Metals				ogy, Manipur
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### 3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	30	160	6	25
Presented papers	61	141	1	5
Resource persons	0	10	0	0
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### 3.5 – Consultancy

#### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering	Testing of Civil Engineering materials designing and vetting	Government and Private Organizations	4017920
Computer Science and Engineering	Online Examination	Tata Consultancy Services	733385
Electronics and Communication Engineering	Vegetable Garden House	Vanavasi Kalyana Parishad, Warangal	600000
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#### 3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
MBA	Digital India initiative towards social transformation	ICSSR-Impress Scheme	250000	50

and empowerment

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### 3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Traffic regulation	CED, KITSW	2	13
Promoting Fundamental Principles and Humanitarian Values	Youth Red Cross AGENCY	1	2
Blood Donation camp	KITS-NSS and Red Cross Warangal	2	100
Tree Plantation	KITS-NSS	2	20
Tree Plantation: Harithaharam	KITS Warangal	2	15
Blood donation camp	Indian Red cross society and KITS Warangal	2	18
Swachh Bharat Summer Internship	Kakatiya University and KITS Warangal	2	6

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
KITS-NSS Blood Donation camp	Best Service Award As Nss Program Officer From Governor Of Telangana, BY Hon'ble Deputy CM, TS State, Sri Kadium Srihari, ON 15-08-2018	Government of Telangana	100

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

Name of the scheme	Organising unit/Agency/ collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
SWACCH KITS	KITS-NSS	SWACCH KITS	6	100
Awareness of Voting right	KITS-NSS	Awareness of Voting right	100	400
Memory of martyred CRPF	KITS-NSS	Memory of martyred CRPF	5	220

Jawans		Jawans		
Student Induction Program	KITSW	Swachhbharat, tree plantation, awareness on blood donation, medical issues etc.	3	60
NSS	KITSW	Swachh KITS	2	30
NSS	KITSW	KARGIL DIVAS rally	2	15
NSS	KITSW	NSS Day Celebrations - 1K RUN	2	10
Web casting duty	Election Commission	Web casting duty in State general elections (MLA)	0	5
Drivers day celebrations	KITSW	Awareness on Traffic rules	2	6
NSS	GWMC	Awareness of Voting right 5K run rally	0	5
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### 3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Priority based smart outdoor street lighting system (PSSLS)," Filed one patent commercializing two products design under this project	Dr. B. Rama Devi, Dr. K. Ashoka Reddy,	KITS In house RD Funding, Amount Sanctioned: Rs. 58,691/- Status: Completed.	720
Atmospheric water Generator Plant (Drinking water from Air humidity)	Dr. B. Rama Devi & Dr. K. Ashoka Reddy (Principal Investigators), Dr. Ragotham Reddy & Sri E. Suresh (CO-Principal Investigators)	Vanavasi Kalyana Parishad, Warangal Dist.	720
Vegetable Garden House	Dr. B. Rama Devi & Dr. K. Ashoka Reddy (Principal Investigators), Dr. C. Venkatesh (CO-Principal Investigators)	Vanavasi Kalyana Parishad, Warangal Dist.	720
RD collaboration on	Dr. B. Rama Devi	KITSW	1

smart city innovations			
Development Consultancy centre	Dr. B. Rama Devi	KITSW	1
Industry Visit for research collaboration for "Balanced dual layered multiple segmented wheel tire," CEAT tire, RPG house, Dr Annie Besant Rd, Worli, Mumbai, Maharashtra. ? Collaborative research for to develop the prototype model	Dr. B. Rama Devi	KITSW	1
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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industrial Training	Industrial Training	BHEL, Hyderabad	07/07/2018	11/07/2018	6
Industrial Training	Industrial Training	KTPP, Chelpur, Bhu palapally, Jayashankar Dist.	16/07/2018	16/07/2018	4
<a href="#">View File</a>					

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
National Academy of Construction, Hyderabad	02/01/2018	To give a field training to final year students	150
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## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
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695	572.21
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#### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
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#### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Online Public Access Catalog (OPAC)	Fully	1.0	2003

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	69418	18395770	3571	422986	72989	18818756
Reference Books	4663	1235695	345	41300	5008	1276995
e-Books	0	0	5762	5900	5762	5900
Journals	132	210987	145	277995	277	488982
e-Journals	5301	1375801	9354	1964275	14655	3340076
CD & Video	1576	0	110	0	1686	0
Library Automation	1	0	0	0	1	0
Weeding (hard & soft)	1041	171765	0	0	1041	171765
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##### 4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content

Dr. K. Ashoka Reddy	Table of Specification for Course	kitsw.ac.in	16/01/2019
B. Raju	Online Course Module	Examination	18/02/2019
Dr. K. Ashoka Reddy	Writing COs for OBE	kitsw.ac.in	24/04/2019
Dr. G. Manjulatha Devi	Verbal ability and reading comprehensive	English Vocabulary	21/11/2018
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#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	666	20	1	4	37	4	10	155	0
Added	20	0	0	0	0	0	0	0	0
<b>Total</b>	<b>686</b>	<b>20</b>	<b>1</b>	<b>4</b>	<b>37</b>	<b>4</b>	<b>10</b>	<b>155</b>	<b>0</b>

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

155 MBPS/ GBPS
----------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NPTEL	<a href="https://kitsw.ac.in/">https://kitsw.ac.in/</a>

#### 4.4 – Maintenance of Campus Infrastructure

##### 4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
3581.03	2799.45	518.83	518.66

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

? Buildings/Roads: A Contract is given for a Lump sum amount for period of one year, which involves cleaning the buildings, classrooms, washrooms, drawing halls, seminar halls, auditorium, faculty staff rooms, hostel rooms, corridors. The work is checked by the Assistant project officer of the project office who submits a report. Any, not cleaned report is recorded in the complaint book available at the project office by the staff. The cleaning material is provided by the college. Maintenance cycle is Daily. ? Generators: Annual Maintenance Contract (AMC) is given to the manufacturer. Maintenance cycle Once in three months/Hours of working ? Electrical Installations: All the electrical installations in the building premises is inspected and maintained after every



semester. (Tube lights/ fans/ motors/projectors/ cameras/AC's). All the electrical installations in power room/ transformer / lightning arrestors/earth pits are verified by the Local Electricity department officials and corrective measures are suggested, which shall be completed immediately. Any complaints on electrical related issues are recorded in a complaint book and are rectified at the earliest. Maintenance cycle Two times in a year. ? Solar Captive power plant: All the solar panels are cleaned with water twice a week. ? Water Supply and storage: All the water storing bodies are cleaned periodically. Sumps, Overhead tanks, Drinking water Coolers and RO water Plant (AMC) and also are cleaned periodically. ? Fire Fighting Equipment: All the firefighting equipment are checked for the operation periodically and the fire extinguishers are refilled as per the expiry date. Hose reel Checking Fire Extinguishers. Once in 30 days

<https://kitsw.ac.in/>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	fee concession	9	614500
Financial Support from Other Sources			
a) National	State government free-ships National Merit Scholarship	288	18717600
b) International	No	0	0
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#### 5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Bridge course	02/07/2018	24	CE, Humanities faculty
International day of yoga and meditation	21/06/2018	25	Physical education department
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2018	Campus recruitment training	82	82	82	64
2019	Campus	41	41	0	25

	recruitment training				
2018	Training and placement support (T&P Cell)	0	186	0	166
2018	Higher Education support Cell	0	120	22	0
2019	Training and placement support (T&P Cell)	0	199	0	161
2019	Higher Education support Cell	50	200	21	0
2019	Career Counselling & EDC	4	2	4	47
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Acheron Ad3i Amara Raja Batteries Amritha Tool Crafts Efftronics Elevation GGK Tech. Hyundai Mobis Hyundai RD Motors Infor Infosys Medha Servo Drives Modak Analytics Moldtek Mphasis MuSigma Nineleaps	5884	306	AIR Worldwide Aliens Group Amazon Atos Syntel Attra Infotech Cloud Path Technologies Cognizant CSSI CtrlS Cyient Design Tribe ELINI Engg. Works Excelra HCL Technologies Indian Coast Guard Just Dial Kavayah IT Solutions	1246	223

Prathiraj  
Metal  
Masters  
Raamgroup  
RedCarpet

Kotak  
Mahindra  
Bank

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	4	BTech	CE	NICMAR	M.Tech.

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

Items	Number of students selected/ qualifying
GATE	31
CAT	1
GRE	30
TOFEL	21
Any Other	17

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

Activity	Level	Number of Participants
Shamshodhini-2018 and Sanskriti 2018 (Cultural Event)	National	202
University level sports	National	24
Basket Ball (Kakatiya University Inter collegiate tournaments for women -2018)	National	1
Chess (Kakatiya University Inter collegiate tournaments for women -2018)	National	2
Throw Ball (Inter collegiate tournaments)	National	1
Basket Ball "KITS Trophy-2019	National	2
Carroms Doubles	National	1
High Jump (Intramural)	National	1
Handball (Sports Gala-2018)	National	1
State Volley Ball Tournament	National	1

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### 5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	PARTICIPATION	National	1	1	B15EC094	B.RAVIKANTH

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

The institute has established a procedure for selection of students for the Executive Council through nominations. Accordingly, students of all the branches in the final year will get an opportunity to become the president of the Student Council and the third year students to become the General Secretary and so on. All class representatives will be nominated by merit. This meritorious team of students will be allowed to participate in the academic, administrative, co curricular and extra curricular matters. Every year, the institute celebrates a National Technical fest called "SUMSHODHINI", a platform created to exhibit the co curricular talents. All the student representatives will take active part in organizing this event. Similarly, the institute also celebrates another National Level event called "SAMSKRUTHI", which gain involves students in organizing the event. Besides these, students are involved in various academic matters such as curriculum planning and development activities in the institute through their feedbacks, periodical meetings etc., List of Various clubs are 1. Literary club, 2. Humanity Club, 3. NSS club, 4. NCC Club, 5. MDF Club, 6. Games Sports Club, 7. Photography and Media Club and 8. Disciplinary club Student Council is constituted in the Institution from academic year 2013-14. OBJECTIVE OF THE STUDENT COUNCIL: To make the students to participate in the development of the institute and develop their career, personality and organisational skills through interactive programs with the faculty, administration and society. COMPOSITION OF THE STUDENT COUNCIL: a) One student from each section of I/IV B.Tech b) One student from each branch / section of II/IV B.Tech c) One student from each branch/ section of III/IV B.Tech d) One student from each branch/ section of IV/IV B.Tech e) One M.Tech student from each Engg. Department f) One student from MBA Program g) One student from research scholars of recognized research center h) Five students to be nominated by the Principal representing various sections of student community such as foreign students, girl students etc. i) General Secretaries of various clubs. OFFICE BEARERS OF STUDENTS COUNCIL COMPOSITION INCHARGE CHAIRMAN PRINCIPAL STAFF ADVISOR DEAN, STUDENTS AFFAIRS PRESIDENT (ONE) FINAL YEAR B.Tech student from the council members VICE PRESIDENT (TWO) FINAL YEAR B.Tech students from the council members GENERAL SECRETARY (ONE) THIRD YEAR B.Tech student from the council members JOINT SECRETARY (THREE) 1. One from second year B.Tech student from the council members 2. One from First year B.Tech student from the council members 3. One from nominated members from the council members

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

1. The Alumni Association of KITSW has been formed in the year 2007 in order to

fulfill the long felt need for a forum and the cherished desires of its alumni. It has been duly registered as a society (Regd. No. 292 of 2007) to activate its functioning. 2. Online registration in the portal of KITSWAA, whose link is placed in [www.kitsw.ac.in](http://www.kitsw.ac.in) 3. To link all the Alumni members with the Alma Mater 4. To update Alumni members about the activities of KITS and the Alumni association. 5. As a member of Board of Studies, Alumni are guiding us in academic matters i.e., designing of curriculum and syllabus of courses. 6. Alumni is contributing to the institution as member of governing body academic council. The following were the KITSW Governing and Academic Council Members.

SNo Name of the Alumni Batch/Branch Designation Member 1. Sri A. Dayananda Reddy 1980-84 (Mech) Managing Director, Vasantha Tools Crafts Pvt. Ltd., Hyderabad Governing Body 2. Dr. G. Madhusudhan Reddy 1981-85 (Mech) Scientist-G, DMRL, Hyderabad Academic Council 3. Dr. R. S. Prakash 1986-90 (Mech) Prof. of Mech. Engg., and Associate Dean BITS Pilani, Hyderabad Campus (Education) Academic Council

- Alumni are helping in motivating guiding during Alumni Graduation Day, Orientation program, Induction program, Parent-Teacher Meet and Department Association Activities.
- To extend maximum help to the institute in the placement of students in their own organizations and help in other organizations of repute.
- To provide internships to students establishment of EIE Lab.
- Adoption of poor economically backward students.
- Visiting Organizing the guest lectures to disseminate and update the knowledge of the students with the latest information.
- Alumni are extending financial support for building KITSW Alumni Auditorium.meant for meetings/Conferences for the benefit of the students.
- Swami Vivekananda's 150th Birthday is celebrated as India's National Youth Day, which has began at the Institute with the inauguration of Bhomi Alankarana and Rangoli Events on 5th January, 2013.The valedictory function and prize distribution ceremony for various events on the eve of 150th birth anniversary celebrations of Swami Vivekananda was conducted on 27.02.2013 (Wednesday) in our Auditorium. The event has been sponsored by Sri K.Chandra Shekar Reddy, Oracle Corp, USA (a proud ALUMNUS of 1987-Civil, KITSW).

5.4.2 – No. of registered Alumni:

2771

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

339800

5.4.4 – Meetings/activities organized by Alumni Association :

- Prof. V. Ramgopal Rao, a Proud Alumnus ( Class of 1982-86 EIE), Director, IIT Delhi is being felicitated by Sri P. Narayana Reddy Garu, Treasurer, KITSW during his maiden visit to his ALMA MATER on 11.07.2018. We are honoured to have him to our campus to deliver a talk and interact with staff and students. Thanks to Prof. V. Ramgopal Rao Garu. Sir, you made KITSW fraternity very proud of your achievements.
- Our proud Alumnus (class of 1989-93 EIE) Sri Shyam Mallela delivered a lecture on the role of Instrumentation in Industries to the 1st year B.Tech.students of EIE as a part of induction program at KITSW on 21.7.18. He is being felicitated by Prof. K. Sivani .
- Alumni Kiran Vishwanath (Batch 2013-2017) sharing her experiences with B.Tech. I Semester in Induction Program on 21-07-2018
- Alumni Ruthvik (Batch 2014-2018) sharing his experiences with B.Tech. I Semester in Induction Program on 21-07-2018
- Our proud Alumnus (class of 1980-84 ME) Sri Nerella Naveen Chandra delivered a lecture on LIFE SKILL ACTIVITY to the 1st year B.Tech.students as a part of induction program at KITSW on 27.7.18. He is being felicitated by Prof. K. Ashoka Reddy our principal.
- Our proud Alumnus (class of 1998-2002 EIE) Sri Kalyan Raghava conducted ART OF LIVING activity to the 1st year B.Tech.students as a part of induction program at KITSW on 30.7.18.
- Thanks to our proud

Alumni, Dr. P Ravinder Reddy (Class of 1983-87 ME), Principal, CBIT, Hyd, Prof. Purushotham (Class of 1984-87 ME), Srinidhi College of Engg.,Hyd and Sri Ramesh Babu (Class of 1990-94 ME), Associate Prof.,Vagdevi College of Engg., Wgl for their visit to Dept. of Mech. Engg., KITSW • Glad to meet Mr. P Srinivas Rao, the first batch (Class of 1980-84 ME) and Dr. G Amarender Rao, Principal, VBIT, Hyd (Cass of 1981-85 ME) during their visit to KITSW on 18/08/2018 . Thanks a lot for visiting your ALMA MATER. • Our Proud Alumnus Mr Ash Ashutosh (1981-85 batch, EIE), CEO of Actifio Inc., @ITC Madhapur, Hyderabad on 7/09/2018, is being felicitated by beloved principal Prof. K. Ashoka Reddy, Sri. A. Rajith President KITSWAA NEC, Prof. R. Ravinder Rao, Prof In-charge Alumni Affairs and other executive members. • Our proud Alumnus Sri P.Raju(2010-14) working as Application Engineer,Speciman High Voltage Corp,New York and P.Sai Pavan(2010-14) working as Software Engineer,Infosys,HYD,visited EIE Department on 11/09/2018. • Our proud alumnus Miss B.Sathwika(2014-18-EIE) working as IT Developer,AVERA Ltd, HYD, Miss M.Sindhuja (2014-18-EIE) Working as Technical Executive,SA TECH,HYD, I.Niharika (2014-18-EIE) working as QA Engineer(FTD),HYD, M.Ashwini(2014-18-EIE) working as IT Developer,DXC Technologies,HYD and CH.Ajith kumar(2014-18-EIE) working as Software Engineer,Infosys,HYD Visited EIE Department on 15/09/2018 Number of alumni association Meetings Dates of meetings 03 Date Number of Members attended 22-12-2018 113 26-02-2019 12 26-05-2019 16

## **CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 – Institutional Vision and Leadership**

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The objective of the institute is to provide quality education in engineering to the students, to make them academically superior and ethically strong. This objective is clearly reflected in the vision statement. KITSW is the first engineering college in India to offer UG program in Electronics Instrumentation Engineering. Vision of the Institute: • To make our students technologically superior and ethically strong by providing quality education with the help of our dedicated faculty and staff and thus improve the quality of human life. To achieve the above Vision, following Mission is practiced: • To provide latest technical knowledge, analytical and practical skills, managerial competence and interactive abilities to students, so that their employability is enhanced. • To provide a strong human resource base for catering to the changing needs of the Industry and Commerce. • To inculcate a sense of brotherhood and national integrity. The service rules are formulated by the governing body of the Institution, in accordance with the provisions of AICTE norms, Govt. of Andhra Pradesh and Kakatiya University rules and regulations. The service rules are formulated and implemented since then in the Institution. The service rule book called "Administrative Manual" comprises of the following heads under which the related rules are clearly defined. 1.Administrative Rules Functions and Responsibilities of the Governing Body and other committees Functions and Responsibilities of the Principal Functions and Responsibilities of Head of the Department Functions and Responsibilities of the Teaching and Non-Teaching Staff Terms and Conditions of service of a permanent employee Rules of conduct for the employees of the Institute Classification, Control and Appeal Rules 2.Leave Rules 3.Travelling Allowance Rules 4.Rules regarding the deputation of faculty members Under Quality Improvement Program and to attend conferences, summer and winter schools etc. The service rule book is available with the departments and Central Library and the information is disseminated among the faculty. The rules prescribed by the affiliating University i.e. Kakatiya University, Warangal will be informed to the students from time to time through notices and also publishing in the institute's website.



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

Yes

## 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	College takes up curriculum development once in two or three years to update and incorporate new courses. This helps students to get exposed to latest technologies. For this process, all internal senior faculty form a team to examine the curriculum of leading institutions like NITs, IITs, interact with alumni, industry specialist and arrive at draft curriculum and academic regulations. All these proposals are placed before respective Board of Studies. The recommendations of Board of Studies are in turn placed before Academic Council of the college. In all these boards and academic council there are University Nominees, Government Nominees, Industry Participation and Alumni.
Teaching and Learning	Teaching and learning processes are continuously improved according to students feedback which are collected twice every semester which helps every faculty to improve their teaching procedures. The syllabus is also reviewed every year to improve it by adding more relevant subjects and deleting the not so important subjects. We adhere to the academic calendar prepared for that particular year and have a lesson plan in hand before commencing the new semester. Lesson plans are distributed in the form of printed course files. A faculty uses different techniques for improving the students understanding and grasping power. Besides maintaining notes and using only blackboard for teaching as in earlier days, almost all classrooms are provided with LCD Projectors and OHPs which are used by faculties to enhance their teaching by showing real life examples and hence, making it interesting by focusing on the practical aspects of every topic. We also have well maintained laboratories giving a very good laboratory experience and minimum two to three faculty are there to assist a batch of 30 students. This helps every student

to understand each and every experiment with relation to its practical importance and to maintain record in a better way as a student gets individual attention. In addition to all above, technical seminars for final year students and tutorial classes for all year students are also conducted to improve teacher-student relationship and to back-up average and below average students in academics and personality development. English and data analytics courses are also added to improve students communication and analytical skills which are particularly helpful to crack competitive exams like GATE, GRE, IELTS, TOEFL, etc. Outcome Based education adopted(OBE) in the Institute where course outcomes will consolidated to program outcome which measures student performance with respect engineering graduate attributes.

**Examination and Evaluation**

1. The evaluation of students performance in a course for all 4-year B.Tech. programme (8 semesters) and Lateral Entry students of B.Tech. programme (6 semesters), is a continuous process and is based on their performance in different examinations as mentioned below: a) Sessional, involving Continuous Internal Evaluation (CIE) conducted all through the semester which includes Mid-Semester Exams (MSE) and Teachers Assessment (TA) through assignments. b) Terminal, often designated as End Semester Examination (ESE) which includes a written examination for theory courses and practical / design / drawing examination with built-in oral part for laboratory / design / drawing courses. 2. A student's performance in a course (subject) shall be judged by taking into account the result of Continuous Internal Evaluation (CIE) and End Semester Examination (ESE) together. 3. Continuous Internal Evaluation (CIE) and End Semester Examination (ESE) shall have 40:60 weightage. i.e. Continuous Internal Evaluation (CIE) carrying 40 weightage and End Semester Examination (ESE) carrying 60 weightage. 4. Continuous Internal Evaluation (CIE) for Theory courses: 4.1. The Continuous Internal Evaluation (CIE) throughout the semester shall consist of Teachers



Assessment (TA) and Mid-Semester Examination (MSE). 4.2. For assigning marks in Teachers Assessment (TA), performance in assignments is to be considered. Teacher shall give at least 2 assignments per each unit of syllabus covering the contents of that unit.

4.3. There shall be two mid semester examinations (MSE-I and MSE-II) of two hour duration for each course. The average of the marks scored in MSE-I and MSE-II will be considered for evaluation under MSE. Hence, it is mandatory for the student to take both the mid semester examinations.

4.4. The distribution given to each component of Continuous Internal Evaluation (CIE) for a theory course is given below:

No.	Particulars	Weightage
1	Teacher's Assessment (TA) (Assignments)	15
2	Mid Semester Examination (MSE) (MSE-I MSE-II)	25
	Total Weightage	40

4.5. The marks obtained by the students in Mid Semester Examination (MSE) must be submitted to the Controller of Examination (CoE) by the faculty within 10 days from the date of conduct of the examination.

4.6. The scheduled dates for Mid Semester Examination (MSE) and End Semester Examination (ESE) will be declared by the CoE in consultation with the Dean, Academic Affairs.

5. End Semester Examination (ESE) for Theory Course: - There shall be an End Semester Examination (ESE) at the end of each semester for three hour duration for each theory course. - The ESE for a theory course shall carry 60 weightage

6. Continuous Internal Evaluation (CIE) for Practical (Laboratory) Courses:

6.1. Continuous Internal Evaluation (CIE) for practical course shall carry 40 weightage.

6.2. The Continuous Internal Evaluation (CIE) throughout the semester shall consist of the following:

Weightage	Regular Experimentation / Job work	Regular submission of record	Quiz / Skill Test at the end of semester	Viva-voce at the end of semester	Total Weightage
10	10	10	10	10	40

7. End Semester Examination (ESE) for Practical (Laboratory) Courses:

7.1. There shall be an End Semester Examination (ESE) at the end of each semester for three hour duration for each practical course.

7.2. The End Semester Examination (ESE) for

practical course shall carry 60 Weightage. 7.3. The marks distribution at End Semester Examination (ESE) shall be as follows: Assessment Weightage Procedure / Experimentation / Tabulation / Result, as applicable ..... 40 Viva-Voce 20 Total Weightage ..... 60 8. Continuous Internal Evaluation (CIE) for Seminar Mini Project: 8.1. There shall be only Continuous Internal Evaluation (CIE) for UG Course Seminar and Mini Project. 8.2. A teacher will be allotted to a student for guiding in (i) Selection of topic (ii) Work to be carried out (iii) Report writing and (iv) Presentation (PPT) before Internal Seminar / Mini Project evaluation Committee. 9. Continuous Internal Evaluation (CIE) for Project Work: 9.1. Project work shall be normally conducted in two stages, spread over two sequential semesters i.e. seventh and eighth semester. 9.2. At the end of first stage (seventh semester), a student shall be required to submit a Preliminary report of work done for evaluation to the project coordinator and present the same before an Internal Project Evaluation Committee. The Continuous Internal Evaluation (CIE) for the seventh semester is as follows: Assessment Weightage Project Supervisor Assessment 50 Internal Project Evaluation Committee Assessment 50 Total Weightage ..... 100 9.3. At the end of second stage (eighth semester), student shall be required to submit two bound copies, one being for the department and other copy for the Project Supervisor. The project report shall be evaluated by the Project Evaluation Committee and external oral examination shall be conducted on a pre-notified date. The project work evaluation for the eighth semester is as follows: Assessment Weightage Project Supervisor Assessment 20 Internal Project Evaluation Committee Assessment 20 ESE (Presentation Viva-Voce) 60 Total Weightage ..... 100

Research and Development

- College provides many incentives and encouragement towards research and development.
- Leave is granted for six months with pay, twice during the period of Ph.D work of a faculty.
- Research papers are awarded financial incentive @ Rs.20,000/- per paper to

the faculty members • Publication and presentation of technical papers at conferences are encouraged by providing deputation and support towards travel and registration. • Leave is liberally granted to faculty members to attend short term programmes at other institutions. • Laboratory Infrastructure is continuously updated to meet not only the academic requirements but also research needs. • Many Departments have established advanced equipment labs which are helpful for research work. • With the availability of about 31 faculty as doctorates and another 65 faculty doing Ph.D, it has helped for enhancing research environment. Departments have latest state of Art labs over and above curriculum requirement towards encouraging research facilities.

Library, ICT and Physical Infrastructure / Instrumentation

• Institute has a well equipped Central Library with adequate space facilities, which is open from 8:00 am to 8:00 pm, having around 14,624 titles and 76,618 volumes. In addition, each department has its own department library. • The central library subscribes to 132 journals 24 technical magazines / periodicals in hardcopy. In addition, 06 AICTE mandatory online journals (7,000 e-Journals, monograms, periodicals and textbooks) are accessed through college website portal. As part of final year project work seminar presentations, students are encouraged to refer the e-Journals. • Institute has e-Learning facility provided through NPTEL (National Programme on Technical Enhanced Learning) laboratory facilitated with online web and video courses in Engineering Science and humanities with a mission to enhance quality of engineering education. Through NPTEL, students are been provided with 125 online web courses and 135 online video courses. • Expert video subject lectures delivered by the various eminent resource persons are available in the digital library and it facilitates the faculty and students to utilize E - Tutorials of NPTEL, E-Journals. Faculty members use department library, digital library and other Open Source platforms to enhance their teaching skills. • The institute has good infrastructure in terms of research labs, with state of the art

equipment useful for research. The institute library has good collection of books and AICTE mandated e-journal subscriptions with access to more than 7000 journals to facilitate research.

Human Resource Management

- Before commencement of every academic year the faculty and staff requirements are assessed and the vacancies are advertised in leading dailies besides placing the same in the Institution's website. Duly constituted selection committees recruit the faculty and staff.
- The faculty and staff requirements are assessed based on the workload as per the AICTE norms.

Industry Interaction / Collaboration

? Human Resource Management

- Before commencement of every academic year the faculty and staff requirements are assessed and the vacancies are advertised in leading dailies besides placing the same in the Institution's website. Duly constituted selection committees recruit the faculty and staff.
- The faculty and staff requirements are assessed based on the workload as per the AICTE norms.

? Industry Interaction / Collaboration:

Faculty and students encouraged to visit industries for filed studies

Departments are encouraged to make their courses of study relevant to industry. Industrial visits, lectures by industry experts and domain experts are regularly conducted. To have better Industry Academia interface, the institute has been pursuing periodically on the needs of industry and the curriculum. Civil Engineering Board of Studies is having Industry representation and their involvement in the program design. To have an industry interaction the department is strengthen by the following organizations NAC, IGBC, ICI, ISTE and IEI. The institution has signed MoU's with Confederation of Indian Industry (CII), TSPSC, LEED, KSN Engineers, KPCL, Grafix, Infomile solutions, Skyfi, Novus Green etc. The Institute has MoUs with reputed organizations

S.No Name of the Company Agreement Period Objectives

- 1 National Academy of Construction, Hyderabad 8th Sep 2017 Onwards
- To give a field training to final year students
- 2 Administrative staff college of India (ASCI), Hyderabad Sep 2016 to Aug 2019
- To

associated in the area of internship/Field visit • Sanitation and smart city development of GWMC Warangal for all branches 3 IGBC 27th Sep 2018 to 27th Sep 2021 • To develop the educational modules/modules focusing on green buildings, green built environment, energy management and clean technologies • To train and conduct capacity building sessions on relevant subjects and disciplines for faculty and students. • To facilitate industry and academia engagement through student's internships, guest lectures by industry experts, organize industry visits for practical exposure for students and facilities. • To encourage the participation of students in some of the conferences organised by CII Godrej GBC • To explore the possibilities of running joint certificate / diploma programmes on green and sustainability related subjects • 4 Krishnapatnam Power Corporation Limited 11th Sep 2017 to 11th Sep 2022 To provide the following facilities for the students and faculty of the college: Internship Consultancy support • Support the updating of Knowledge by organizing guest lectures • Patronize the conduct of conference/ symposia/ workshops and faculty development programs. 5 Toshiba Plant systems Service Corporation India Pvt. Ltd... 13TH Nov 2017 to 13th Nov 2022 To provide the following facilities for the students and faculty of the college: Internship Consultancy support • Support the updating of Knowledge by organizing guest lectures • Patronize the conduct of conference/ symposia/ workshops and faculty development programs. 6 Skyfi Lab 2nd Aug 2015 onwards • To Conduct the Workshops • To Provide online study material for reference to each participant • To Provide Certificate of Completion to all the students who successfully complete the workshop 7 Novus Green Energy Systems 18th Sep 2014 To 18th Sep 2019 To provide the following facilities for the students and faculty of the college: • Internship • Industrial Visits • Project Work • Consultancy support • Support the updation of Knowledge by organizing guest lectures • Encourage professional membership of faculty and students in

M/S. NOVUS GREEN ENERGY SYSTEMS, based on their qualifications, experience, interest and previous contributions to the technology of composite materials. 8 LEAD INDIA Pvt. Ltd 15th Oct 2017 To 15th Oct 2019 LEAD will/can provide the following facilities for the students and faculty of the college: • Internship • Consultancy support • Support the updating of Knowledge by organizing guest lectures • Patronize the conduct of conference/ symposia/ workshops and faculty development programs. 9 Infomile Solutions India Pvt. Ltd.. 11th July 2017 To 11th July 2020 INFOMILE will/can provide the following facilities for the students and faculty of the college • Internship • Consultancy support • Support the updating of Knowledge by organizing guest lectures • Patronize the conduct of conference/ symposia/ workshops and faculty development programs. 10 Grafix India Pvt. Ltd.. 13th Aug 2017 To 13th Aug 2019 GRAFIX will/can provide the following facilities for the students and faculty of the college • Internship • Consultancy support • Support the updating of Knowledge by organizing guest lectures • Patronize the conduct of conference/ symposia/ workshops and faculty development programs. 11 KSN Engineers 15th July 2018 To 15th June 2021 To provide the following facilities for the students and faculty of the college: • Internship • Industrial Visits • Project Work • Consultancy support • Support the updation of Knowledge by organizing guest lectures • Extend all sorts of support for innovation incubation • Patronize the conduct of conference/ symposia/ workshops and faculty development programmes. Encourage professional membership of faculty and students in KSN Engineers, based on their qualifications, experience, interest and previous contributions to the technology of composite materials.

Admission of Students

- The institution has an active website ([www.kitsw.ac.in](http://www.kitsw.ac.in)) which is updated regularly and all the details of the institution are placed on the website.
- Very meritorious students are joining in our college. All seats are filled every year from the inception of the college.

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

E-governance area	Details
<p>Planning and Development</p>	<p>Project Office is partially automated and equipped with 3 no of highly configured computer systems with dedicated software namely AUTO CAD and STAAD</p>
<p>Administration</p>	<p>Academic and Establishment sections of the Administrative Office is fully automated and equipped with 10 no of highly configured computer systems with dedicated softwares namely CMS and Time track-lite</p>
<p>Finance and Accounts</p>	<p>Accounts Section is fully automated and equipped with 5 no of highly configured computer systems with dedicated softwares namely Tally. All the salaries of teaching and non teaching staff are computerized and remittances are online.</p>
<p>Student Admission and Support</p>	<p>Academic office is fully equipped with 10 no. of highly configured systems and by faculty student support software namely CMS. The admission of students is based on online data furnished by the Convenor, State level admissions committee. All the students allotted to college furnish admission data in the online application form. Students attendance can be monitored online. Faculty can upload study material and assignments through online portal.</p>
<p>Examination</p>	<p>Examination Branch is fully automated and equipped with 30 no of highly configured computer systems with dedicated software namely Bees software for report generations helpful for Outcome based education (OBE). Students registration form for examinations are online. The hall tickets are received online. • Internal exam results are put up in college website for access to students and parents under password control • End exam results are available in the college website. • All correspondence to University like communicating the end exam results, copies of provisional certificates are all communicated as soft copies and in the form of emails.</p>

**6.3 – Faculty Empowerment Strategies**

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year



Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	V. Rakesh	National conference o Advances in Mechanical Engineering Nano Technology" (NCAMENT2018) during 29-30, June 2018 MED, University college of Engineering, Osmania University, Hyderabad.	Osmania University, Hyderabad.	5000
2018	S. Kiran	ICIDSEM-2018	VCE, Karimnagar, India	5000
2018	C. Madan Kumar	ICCIIOT 2018	NIT Agarthala, India	5000
2019	N.Maramu	International Conference On Advanced Material (ICAM 2019), Kerala 12-14 THE June 2019	KITS, Warangal	350
2019	Dr.Ch.Sateesh Chandra	AP Science Congress	KITS, Warangal	4000
2018	Dr.Ch.Sateesh Chandra	63rd DAE Solid State Physics Symposium, 18-22 December 2018	KITS, Warangal	6000
2019	Dr.G.Manjulatha Devi	International Conference and inter disciplinary Studies of Literature and culture, Andhra University, Vishakapatnam	KITS, Warangal	5500
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional	Title of the administrative	From date	To Date	Number of participants	Number of participants
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	development programme organised for teaching staff	training programme organised for non-teaching staff			(Teaching staff)	(non-teaching staff)
2018	Training in Mechanical Engineering	Organized One Week Refresher course on Training in Mechanical Engineering Laboratories for Technical Staff	18/02/2019	23/02/2019	12	9
2019	Lab view training	Lab view training	03/01/2018	31/12/2019	7	1
2018	AICTE-ISTE Sponsored One week FDP on "Big Data Analytics using R-Tools"	AICTE-ISTE Sponsored One week FDP on "Big Data Analytics using R-Tools"	02/07/2018	07/07/2018	35	5
2019	Training in Installation, Troubleshooting Maintenance of Computers	One Week workshop on "Installation, Troubleshooting Maintenance of Computers"	18/02/2019	22/02/2019	5	30

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Reconnaissance in Soil Engineering (STTP)	1	29/01/2019	02/02/2019	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
28	28	6	6

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Gratuity benefits and Group LIC	Gratuity benefits and Group LIC	Fee Concession

**6.4 – Financial Management and Resource Mobilization**

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

Drafted committees like Governing Body (GB), Administrative Committee (AC) and Finance Committee will take care of financial audit administration. Institute invites budget proposals from various departments, cells sections for the coming year. Based on the requirement and priority, finance committee finalizes the budget allocation and get it approved by AC and GB of the institute. Every year financial audit will be done through institute auditor. Audit reports are made available in institute website. 1.FINANCE COMMITTEE OF THE INSTITUTE: The composition of the Finance Committee is as per norms as shown below: 1.Prof. K. Ashoka Reddy, Principal, KITSW : Chairman 2. Sri P. Narayana Reddy, Treasurer, KITSW : Special Invitee 3. Sri A. Vamshidhar, Institute Auditor, Warangal : Member 4. Prof. P. Ramesh Reddy, Dean, Administration, KITSW : Member FINANCIAL POWERS TO THE HEADS OF THE DEPARTMENTS: In addition to the annual budget allotted to every department, an imprest amount of Rs.5000/- is available at the disposal of the Heads of the Departments and as and when the bills for Rs. 5000/- are settled and the same can be availed any no. of times in an academic year without any hindrance. As and when required, HOD's are been facilitated to claim the academic and administrative expenses incurred in the department. The Governing Body of the college will appoint a certified auditor for conducting audit of books of account for every year ending 31 march under Income tax act 1961, Section 44AB. The auditor will conduct audit twice a year and submit the prescribed financial statement to Govt. of India.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
<b>No Data Entered/Not Applicable !!!</b>		
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6.4.3 – Total corpus fund generated

423263969
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**6.5 – Internal Quality Assurance System**

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No		Yes	Academic Audit Committee
Administrative	No		Yes	Administrative Committee

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

? First year student induction program ? Feedback on curriculum ? Feedback on overall disciplines ? Support for Internships Placements ? " UG student registrations" May and June 2018 (Parent visiting to department is must)

Association with parents in "Student counselling process"

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

- Organizing communication skills training twice a year.
- Soft skills/workshops training programmes.
- Technical staff to undergo training for new software and equipment.

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

- Implementation of CBCS for all UG Programmes (B.Tech CE, ME, EIE, EEE, CSE, IT, ECE, CSN ECI)
- Two new UG programmes started-B.Tech-CSN and ECI
- Curriculum revision from 2018-19 Academic Year
- Open elective from B.Tech II year with associated laboratory
- New block started-Block-VI-Catering class rooms and laboratories for B.Tech-ECE
- New labs-Auto CAD BEE labs for B.tech -I Year
- Renovation of labs-MCAD lab in ME department Electronics Simulation lab in EEE Department
- Training of students in NI Lab view
- Training on competitive/ PSUs exams
- New MoUs established - 12
- Sponsored FDPs Conducted - 10
- Research projects sanctioned - 4
- Consultancy activities(Amount generated) - Rs. 40.37 Lacks
- Faculty students undergone MOOCs Certification - 163

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Induction program for First year students Curriculum revision as per AICTE model curriculum from	09/07/2018	16/07/2018	31/07/2018	120

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**CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**

**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
<b>No Data Entered/Not Applicable !!!</b>				

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

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

Percentage of power requirement of the College met by the renewable energy sources: • The total capacity of solar PV plants in the campus is 400kWp with seasonal tilt type, single axis oriented and polar tracking type. More than 60 of the power requirement of the college is met by these plants. No pollution, less maintenance and it is of grid connected type, where power can be fed to the grid when we dont use. Solar power is used for requirements in Boys and Girls hostel towards heating and lighting systems. • STWP-Recycling of waste water for watering plants and landscape development are available.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	4
Ramp/Rails	Yes	4
Rest Rooms	Yes	5
Scribes for examination	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	07/07/2018	14	Summer Internship	NSS Club	8
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Syllabus Book	02/07/2018	A separate code of conduct is supplied to all the parent and students of indulging in malpractices, misbehaviors and consequent punishment.
Adminstartive manual	01/01/2018	Code of conduct (handbooks) for various stakeholders: College has been implementing from the inception Service rules and code of conduct. These are printed books supplied to all the employees. These rules are approved by Governing Body initially. Revised rules are approved by Governing Body meeting held in

2018-19. The books give clear direction to follow code of conduct and punishment for violation.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International YOGA celebrations	04/06/2019	10/06/2019	150
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Green landscaping with trees and plants: Institution campus is maintained with greenery and trees. Green landscape is well maintained at all blocks. Trees are grown on either side of road in the campus. The Institute has Installed a 350 KLD Sewage Treatment Plant (STP) based on MBBR technology. The Phase -I (175KLD) is operational from 01/11/2017. The water is treated based on MBBR technology and is further ozonized. The recycled water is used for watering trees, plants, lawns, nursery plantation and for flushing toilets in buildings.

Campus is well maintained and positive efforts are made to be Plastic free zone. Students are given awareness on the importance of maintaining the campus clean and green. Our students themselves volunteers and organizes the programs such Swachh Bharath through NSS in the campus. Every year NSS also organizes programs like tree plantation. Plastic-free campus: Dustbins are placed at many of the places in the campus for easy access of solid waste throw. Plastic is avoided as far as possible. Paperless office: Examination branch transactions like payment of examination fee, hall ticket, result, etc. are made available online. Many of the academic transactions are made through emails or Whatsapp messages. Assignment question papers, lecture material, teaching schedule, time-tables are made available to students through college website and College Management System (CMS) software. Every student feedback is taken online.

Pedestrian friendly roads: Wide roads and space for persons to walk on the side are made available. Humps are included at junction places to control the speed of the vehicles moving and signboards are placed indicating the information of departments. Public Transport: Only the faculty and guests vehicles are allowed inside the campus. Student's vehicles are parked near the main gate. Students are encouraged to use bicycle inside the campus. In summary: The Institution puts lot of efforts in making the campus eco-friendly. The college has vast open areas of greenery lined up with various plants, lawns and trees providing a pollution free atmosphere in the Campus. All the inmates of the campus are well aware of the consequences of campus pollution and practice eco-friendly initiatives in as many ways as possible. All the class rooms are well lit with natural light and are very well ventilated. Solar technique is used for reducing the power consumption inside the College campus. Rain water harvesting pits have been dug and efforts are afoot to harvest the rain water. The Institution conducts plantation programs periodically. As a part of E-waste management non-working computers, monitors and printers are utilized for demonstration purpose. The Institution is tobacco free and plastic free. In the Institution energy conservation is done through switching off lights and fans when they are not in need.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Industrial Tours: The Institute organizes industrial tours once in a semester for all the students to the nearest power generation plants, electrical substations and other core industries. The faculty of the Institute

will be accompanying the students to explain the technologies and to monitor the discipline among the students. Outcome: • Understanding the current trends in industries and relating the knowledge gained in the classroom and applying it • Function effectively in a collective group/team • Communicating effectively with engineering community

2. Internships: The students of the Institute are encouraged to undergo internship training in the industries in and around the state in order to gain adequate industrial experience. The students identify the industries in which they want to undergo training and the same will be allowed. In case of exigency, the faculty recommends the students to the industries with the contacts which they have. Outcomes: • Using the knowledge gained in the classroom and applying the same during their internship to better understand the concepts of electrical engineering. • Understanding the needs of the society and the duties of an engineer in framing the society • Understanding the ethical principles and commitment of professionals in the engineering practices.

3. Guest lectures from eminent faculty and industry: The Institute organizes lectures of eminent faculty from higher educational institutions and the people from industry for the students at regular intervals. A minimum of two lectures will be arranged in a semester as a part of Engineering Association Activity. The students are encouraged to participate in Q A sessions Outcomes: • Exchange of knowledge pertaining to the current trends in industry and outside world • Understanding the requirements of industry and the society

4. Alumni interactions: The Institute has a profound alumni group spread across the globe. In its 24 years of service, the Institute has nearly 1500 alumni who are well settled in different parts of the world and in different sectors. The alumni are requested to come to the Institute and share their valuable experiences to the students of the Institute. The Institute Association organizes the interactions every now and then but not less than two interactive sessions per semester Outcomes: • Sharing of knowledge pertaining to the current trends of the industry and the society

5. Strong counseling and Mentoring system: Every student of the Institute is attached to a faculty counselor who counsels the student regularly every now and then in shaping him to meet the needs of the industry. Each faculty is assigned with six students from each academic year and the students are required to meet their counselors regularly, not less than once in a month, to express their grievances. Further the faculty are encouraged not only to give inputs pertaining to the academics but also requested to improve the skills of the students for overall development. Outcomes: • Promoting the ethics of the student Life-long learning

6. Institute technical festival/workshops: Every year a technical festival will be organized in the Institute for harnessing the technical skills of the students and to promote the leadership and organizing skills. The students are encouraged to participate in various events organized and to organize the events. • Outcomes: • Effective communication and organizing skills • Improving the team work

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

<https://kitsw.ac.in/>

### 7.3 – Institutional Distinctiveness

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

KITSW has become autonomous in the academic year 2014-15. The mission statement clearly defines the college's distinctive characteristic in terms of addressing needs of the society, institute's tradition value orientations. Addressing the needs of Society: KITSW is the first engineering college in India to offer UG program in Electronics Instrumentation Engineering. The objective of the institute is to provide quality education in engineering to the students, to



make them academically superior and ethically strong. This objective is clearly reflected in the mission statement. Vision for the Future: The vision of college is to become a renowned institute for imparting quality education. The institute aims to achieve this by incorporating experimental and project-based learning in teaching-learning process along with strong Industry-Institute Interaction and research opportunities. These efforts will develop graduates who are academically and technically competent there by making the institute a renowned one. Our strengths in curricular, co-curricular and extra-curricular areas have improved the quality of education, Research Development. Specifically, the attributes like 80 graduation rate with approximately 50 having distinction, more than 60 placement for all eligible graduating students, 12 students opt for higher education in India and abroad reflect the existence of a high-quality undergraduate program in KITSW. These characteristics of this institute have aligned with vision of our institute, which states "To make our students technologically superior and ethically strong by providing quality education with the help of our dedicated faculty and staff and thus improve the quality of human life". Some of the innovations and best practices which have created a positive impact on functioning of institution are: students and faculty are encouraged and involved in RD activities and mandatory use of ejournals by students for seminar mini-project and major-project implementing UGC's PBAS and VI-pay scales to faculty and IX pay scales of State Government to Non-Teaching staff Book bank facility for SC ST students Makeup/Remedial classes for weak learners beyond curriculum, sending students to take internship, decentralization of academic administration, well-thought student counseling (mentorship)program. The result of periodic review and best practices being followed, KITSW has achieved the following distinctions: Autonomous status has been conferred by the UGC from academic year 2014-15 All the academic B. Tech. Programes are accredited by the NBA, New Delhi. NIRF-2017 ranked KITSW among 151-200 top engineering institutions in India. NIRF Ranking in 20182019 and secured Ranked 180 by MHRDs NIRF in the year of 2019 Ranked as GOLD institute by AICTE-CII survey of industry linked technical institutes Data quest-cyber media Research group ranked KITSW 3rd best private engineering college in Telangana and 59th in India. Receiving funds from UGC, AICTE and other organizations towards research and development. Received Best ISTE Student Chapter award in Telangana state. Vibrant Alumni association which meet periodically to help Almamater Identified as NPTEL local chapter

Provide the weblink of the institution

<https://kitsw.ac.in/>

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

1. Motivate students to take up internships in industry and academic internships in quality of national importance (IITs, NITs and Central Universities)
2. Quality Research: To motivate all faculty and students to publish in UGC approved standard Journals.
3. Academic Honesty Integrity: (a) Students: Screening all respects of seminar, mini project, major project using Anti Plagiarism software. (b) Faculty: Screening all papers being submitted to Journals/Conferences using Anti Plagiarism software
4. Motivating students towards innovation and entrepreneurship.
5. Organizing workshops to excel studentsfaculty to the descriptive technologies of Industry 4.0.
6. Organizing various activities which increase industry academic partnership.