



## Yearly Status Report - 2019-2020

### 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	K. ASHOKA REDDY
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07382564888
Mobile no.	7382520585
Registered Email	principal.kitswgl@gmail.com
Alternate Email	principal@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.	07382564888																		
Mobile no.	7382520585																		
Registered Email	principal.kitswgl@gmail.com																		
Alternate Email	iqac@kitsw.ac.in																		
<b>3. Website Address</b>																			
Web-link of the AQAR: (Previous Academic Year)	<a href="https://kitsw.ac.in/homepage_pages/KITSW_NAAC_AQAR_2018-19.pdf">https://kitsw.ac.in/homepage_pages/KITSW_NAAC_AQAR_2018-19.pdf</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://kitsw.ac.in/academics/Almanac_Autonomous-2019-20.html">https://kitsw.ac.in/academics/Almanac_Autonomous-2019-20.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>																			
<table border="1"> <tr> <td>Quality initiatives by IQAC during the year for promoting quality culture</td> </tr> </table>		Quality initiatives by IQAC during the year for promoting quality culture																	
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
Workshop on Spacecraft Design	24-Oct-2019 02	107
<a href="#">View File</a>		

**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
Electrical and Electronics Engineering	PRERANA	AICTE	2020 720	940000
Electronics and Instrumentation Engineering	MODROBS	AICTE	2019 720	678000
Md. Sharfuddin waseem	Automation of forming tools for smart forming using android application	DST SEED	2019 365	4043000
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**9. Whether composition of IQAC as per latest NAAC guidelines:**

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities during the year?**

No

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

- To inculcate research and innovation among the students, I2RE Integrated in course teaching under PRR20. Under this, the course faculty should facilitate different dimensions of learning on course research papers, course patents, course projects and business ideas related to course to the students as a part of systematic continuous internal evaluation (CIE).
- To promote quality research

and innovation among the faculty community in the institute, administration introduced two research policies to encourage the faculty carryout their research work namely Faculty Research Support Scheme (FRSS) and Faculty Research Incentive Scheme (FRIS). • To uphold the Academic Integrity and prevention of plagiarism in higher education institutions, in accordance with the UDG regulations, institute adopted Antiplagiarism policy 2020, with an objective of Uncompromising Academic Integrity through Prevention of Plagiarism in UG and PG programmes offered by the institute. A Turnitin Software purchased by the instituteto inspect and validate the quality of research work carried out by the student, faculty, researcher and staff of KITSW. • 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.KSQ tables created and mapped with CO and PO • Conduction of Program Skill Development (PSD) classes over and above curriculum for B.Tech II year students Conduction of Yoga practice classes for all B.Tech IIyear students

[View File](#)

**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)	23-Jan-2021

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

Yes

Date of Visit

05-Dec-2018

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

Yes

Year of Submission

2020

Date of Submission	30-Jan-2020
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>1. College Management Software (CMS): The following information is shared through CMS to all the teaching and non teaching staff:</p> <ul style="list-style-type: none"> <li>• Notices and Circulars.</li> <li>• Examinations Display of Internal Marks, external Marks, old question papers, Model Question papers.</li> <li>• Digital Library Open access to all faculty and students. Digital library consists of Journal, IEEE, ASME, ASCE Journals, Digital Library Journals, ebooks and eJournals.</li> <li>• Uploading of assignments, Class notes, Table of Specification (ToS), Tutorials through CMS.</li> <li>• Sending SMS to students and parents with regard to daily attendance and performance</li> </ul> <p>2. College Website: The following information is displayed on the college website:</p> <ul style="list-style-type: none"> <li>• Online fee payment portal.</li> <li>• Notifications, Instructions, circulars, results, Exam schedules for students are displayed on college website.</li> <li>• Departmental related information is displayed under each departmental link.</li> <li>• Information related to Placements, alumni, infrastructure and achievements are displayed.</li> <li>• Previous issues of Department News letters are available on website.</li> <li>• Faculty Course Web pages</li> </ul>

### 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	01/06/2020
BTech	ME	Mechanical Engineering	04/05/2019
BTech	E & I	Electronics & Instrumentation Engineering	14/06/2020
BTech	CSE	Computer Science and Engineering	14/06/2020
BTech	CSN	Computer Science and Engineering	20/06/2020

		(NETWORKS)	
BTech	EEE	ELECTRICAL & ELECTRONICS ENGG	01/07/2019
BTech	ECE	Electronics and Communication Engineering	14/06/2020
BTech	IT	Information Technology	14/06/2020
BTech	ECI	Electronics Communication and Instrumentation Engineering	20/06/2020
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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	Mechanical Engineering	04/05/2019	U18OE803C: Entrepreneurship Development Programming Skill Development Laboratory	17/07/2019
BTech	Electronics & Instrumentation Engineering	14/06/2020	U18EI503 VLSI Design	14/06/2020
BTech	Computer Science and Engineering	14/06/2020	Programming for Problem Solving using C	01/08/2019
BTech	Computer Science and Engineering ( Networks)	20/06/2019	Data Structures through C	23/12/2019
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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
BTech	CIVIL ENGINEERING	08/07/2019
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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	17/07/2019
Mtech	Structural and Construction Engineering	17/07/2019

BTech	Mechanical Engineering	17/07/2019
Mtech	Design Engineering	17/07/2019
BTech	Computer Science & Engineering	17/07/2019
BTech	Computer Science & Engineering (NETWORKS)	20/08/2019
BTech	Electronics Communications & Instrumentation Engineering	17/07/2019

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Universal Human Values	01/07/2019	478
Yoga /NSS/Sports	01/07/2019	478
Soft and Interpersonal Skills	01/07/2019	341
Essence of Indian Traditional Knowledge	21/07/2019	1440
Quantitative Aptitude Logical Reasoning	14/06/2020	57
Environmental Studies	07/08/2019	359
Disaster Management	21/07/2019	115
Project Management	21/07/2019	40
Rural Technology and Community Development	21/07/2019	40
Entrepreneurship Development	23/12/2020	45
<a href="#">View File</a>		

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

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	264
BTech	Mechanical Engineering	332
BTech	Computer Science & Engineering	420
BTech	Electrical & Electronics Engineering	287
BTech	Electronics & Communication Engg.	429
Mtech	Digital Communications	25
BTech	Information Technology	31
MBA	MBA	57
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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

**FEEDBACK OBTAINED:** Teaching evaluation using feedback: There is always a need for periodic assessment and evaluation to accomplish the objectives of the programmes. This assessment and evaluation leads to a continuous quality improvement of the program. The following process explains the assessment, evaluation and revision of Teaching Learning Process. Feedback mechanism from students: The feedback is collected for all courses. The feedback collection process: Oral feedback: oral feedback is collected by conducting Class Review Committee (CRC) meetings. Written feedback: Feedback forms are distributed to the students and collected by the technical staff in the absence of the teaching faculty. All the students participate in this feedback process. The feedback analysis process: The feedback analysis metrics considered are competency level in the subject, communication skills, interaction, subject coverage, accessibility etc. The faculty the improvement of teaching learning process. Feedback mechanism from alumni, parents and industry. The institute has a mechanism for collection of feedback from alumni, parents and industry. Every year parents meet is arranged to discuss on issues like teaching learning process, infrastructural facilities, performance of their wards and placement activity. Parents are requested to give feedback orally and in written form. Institute has a registered alumni cell. Alumni meet is arranged every year to interact and receive constructive suggestions for future institutional development, enhance industry-institute interaction and the placement activity. At the time of meet feedback is taken in oral form. Written feedback is also collected through e-mail. Feedback is collected from industry persons while conducting the workshops, seminars, guest lectures and also at the time of campus recruitments.

## 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
Mtech	Structural & Construction Engineering	24	36	24
BTech	Electronics Communications & Instrumentation Engineering	60	71	53
BTech	Computer Science &	60	67	61



	Engineering (NETWORKS)			
BTech	Information Technology	60	73	60
BTech	Electronics & Communication Engineering	180	202	180
BTech	Computer Science & Engineering	180	221	180
BTech	Electrical & Electronics Engineering	120	129	118
BTech	Electronics & Instrumentation Engineering	60	52	44
BTech	Mechanical Engineering	180	173	143
BTech	Civil Engineering	120	129	113
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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
2019	3891	327	248	26	48

## 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
284	284	52	89	62	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 counseling 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 counseling etc. Every Friday during the lunch hour students will meet the respective counsellors and discuss the various issues and signed in the student counseling 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. 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 freshstudents 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. • 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.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
4218	274	1:15

## 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
69	69	Nil	69	24

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. V. Chandrashekar Rao	Associate Professor	State level NSS best service award, Indian Red cross society
2019	Md Sharfuddin Waseem	Assistant Professor	Best Paper Award in National Conference on RESEARCH TRENDS IN COMPUTER APPLICATIONS , NIT-Tiruchirappalli.
2019	Dr VijayaKumar Polepally	Associate Professor	Received Mentor Certificate for the Course Problem Solving through Programming in C from., Ministry of Education

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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	III Semester	11/12/2019	29/03/2020
BTech	All B. Tech Programmes	I Semester	23/12/2019	29/03/2020

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

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

## 2.6 – Student Performance and Learning Outcomes

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

<https://kitsw.ac.in/academics/home.html>

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	132	131	99.2
ME	BTech	Mechanical Engineering	139	138	99.3

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## 2.7 – Student Satisfaction Survey

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

<https://kitsw.ac.in/igac/sss.html>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Promotion of Research and Facilities

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

Yes

Name of the teacher getting seed money

Dr .D.Rakesh Chandra

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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	Nil	Nil	01/01/2019	Nil
International	Nil	Nil	01/01/2019	Nil

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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
Any Other (Specify)	360	AICTE	228167	228167
Any Other (Specify)	760	AICTE	940000	940000
Any Other (Specify)	2	ICSSR (IMPRESS scheme)	250000	250000
Any Other (Specify)	1095	SERB	1830000	275000

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

5

### 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
Spacecraft Design	Mechanical Engineering	24/10/2019
One Day Workshop on "Basic IT skills Training" for 300 Government Teachers under the aegis of CII Govt. of Telangana.	CSE	02/11/2019
Two Week FDP on "Machine Learning In Speech Processing" sponsored by DST.	CSE	11/11/2019
Two Week FDP on "Advances in IoT" sponsored by DST.	CSE	11/12/2019

Two-Day Academia-Industry Interaction on Teaching Data Structures Through C-Industry Expectations Sponsored by TCS.	CSE	14/12/2019
Two Week FDP On "Domain Specific IoT And Illustration of IoT Design Using Case Studies" sponsored by AICTE	CSE	09/01/2020
Three Day National Workshop On "Emerging Trends In Artificial Intelligence" sponsored by DST.	CSE	20/02/2020
Digital India: Initiative Towards Social Transformation and Empowerment	MBA	28/06/2019
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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
Nil	Nil	Nil	01/12/2020	Nil
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### 3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nil	Nil	Nil	Nil	01/12/2020
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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	4
Mechanical Engineering	1
Computer Science and Engineering	6
Electrical Electronics Engineering	5
Electronics and Communication Engineering	1
Mathematics and Humanities	1
Physical Sciences	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)
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National	EIE	5	0.2
National	MBA	1	3.4
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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
MBA	2
ME	2
IT	4
Physical Sciences	3
EEE	2
<a href="#">View File</a>	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Design Patent: Mobile phone holder with stock market display	Published	326011-001	14/02/2020
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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
Nil	Nil	Nil	2019	Nil	Nil	Nil
<a href="#">View File</a>						

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
Mechanical and metallurgical properties of friction stir welded dissimilar joints of AZ91 magnesium alloy and AA 6082-T6	Dr MD Sameer	Journal of Magnesium and Alloys	2019	3	23	National Institute of Technology, Imphal, Manipur

aluminium alloy					
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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	36	48	5	10
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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 Materials	Various Govt. Non Govt. Agencies	1426054
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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
Nil	Nil	Nil	0	0
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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
National level Youth Red Cross camp in Karnataka	Red Cross Society	1	2
Blood donation camp	Red cross Society Warangal, NSS unit KITSW	2	325
Youth Red cross Registration for 4000 students	Red Cross Society, NSS unit KITSW	2	4205
Youth fest in Mahaboobnagar	Red Cross Society	1	2
Youth Red cross camp in Delhi	Red Cross Society	2	10
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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

Karnataka Youth Red Cross camp	Camp overall championship	Red Cross Society, Karnatak State branch	2
One week Village camp	Token of appreciation for students volunteered	Guniparth village Grama Panchayat	25
Sumshodhini-19 hospitality	Token of appreciation for students volunteered	KITSW	30
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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
Awareness program	NSS unit KITSW	Tree plantation (Haritha Haaram)	20	70
Awareness program	NSS unit KITSW	Yoga Day	14	150
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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
Research work	Dr.K.Venu Madhav & Dr.G.Ganesh Kumar	KITS WARANGAL	1825
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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
INTERNSHIP	INTERNSHIP	SRSP Chintagattu Camp, Hanamkonda.	11/12/2019	20/12/2019	K. Rishika Reddy
<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
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Vasantha Tool Crafts Pvt. Ltd.	18/07/2019	Infusing Skills and building capabilities among the mechanical students and staff	4
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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
73454546	51439210

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Newly Added
Campus Area	Existing
<a href="#">View File</a>	

### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
Library Software	Fully	1.0	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	72989	18818756	3438	1655630	76427	20474386
Reference Books	5008	1276995	500	107390	5508	1384385
e-Books	5762	5900	Nil	Nil	5762	5900
Journals	145	277995	145	296481	290	574476
Others (specify)	9354	1964275	10386	2283135	19740	4247410

[View File](#)

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Nil	Nil	Nil	01/12/2020
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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	686	20	1	4	37	4	10	500	0
Added	36	0	0	0	0	0	0	0	0
Total	722	20	1	4	37	4	10	500	0

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

1000 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
57548500	39317750	13069000	13657004

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	30	1760000
Financial Support from Other Sources			
a) National	e-pass (state) National Merit Scholarship	2222	135674450
b) International	Nil	Nil	0
No file uploaded.			

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Gate and PSU Coaching for Final Year CE Students	23/12/2019	25	Various Academies and Faculty of Civil Engineering
Remedial Coaching	18/07/2019	40	Cadd Centre
<a href="#">View File</a>			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	B. Tech (ECE)	100	120	150	75
2020	B. Tech (EIE)	35	50	35	20
<a href="#">View File</a>					

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

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

## 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
AD3i	260	8	Amara Raja	30	1
<a href="#">View File</a>					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	16	BTech	EEE	IIM Calcutta	PGDBA
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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	20
GRE	13
TOFEL	8
Any Other	11
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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
Badminton (Men)	Sports Gala only for 1st Year Students with in the Institution Level	100
VolleyBall (Women)	Invitational Inter Collegiate Tournament (KITS Trophy)	60
BasketBall (Men)	Invitational Inter Collegiate Tournament (KITS Trophy)	96
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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/ International	Number of awards for	Number of awards for	Student ID number	Name of the student
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			Sports	Cultural		
2020	Winners	National	12	Nil	B16IT044	VIDYA
<a href="#">View File</a>						

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

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, cocurricular and extra curricular matters. Every year, the institute celebrates a National Technicalfest 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. NCCclub, 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 • 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. 7. Alumni are helping in motivating guiding during Alumni Graduation Day, Orientation program, Induction program, Parent-Teacher Meet and

Department Association Activities. 8. To extend maximum help to the institute in the placement of students in their own organizations and help in other organizations of repute. 9. To provide internships to students establishment of EIE Lab. 10. Adoption of poor economically backward students. 11. Visiting Organizing the guest lectures to disseminate and update the knowledge of the students with the latest information. 12. Alumni are extending financial support for building KITSW Alumni Auditorium meant for meetings/Conferences for the benefit of the students. 13. 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). 14. Our proud ALUMNI have instituted Gold Medals under various categories to the outgoing students of KITSW.

5.4.2 – No. of registered Alumni:

2913

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

339860

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Visits: 1. Happy to share that we had alumni lecture series (ALS-3} third lecture by Sri Chandrashekar Reddy Kommera Garu (A Proud Alumnus from the Class of 1987 CE), Cloud Solutions Architect, Oracle Corp. at Austin, Texas on 6 point formula for successful long married life for B.Tech VIII Sem. MBA students during 11-1pm, Civil Seminar Hall, Block-IV, KITSW on 2.1.2020. 2. Glad to see our Proud Alumnus Sri P Santosh ( Class of 1998 CSE), USA visited his Alma Mater to interact with faculty and students of KITSW on 25-02-2020. Thanks a lot Santosh. 3. Thanks to our 12/29/2020 alumni from Class of 1993 and Varun from Class of 2004 EIE visited their ALMA Mater for the inaugural function of SANSKRITI 2020 at KITSW Campus on 13.03.2020. 4. Felicitation to Sri Nerella Naveen Chandra (A proud Alumnus from Class of 1984-ME - 1st Batch), President KITSWAA-National Body, MD, M/s Indian Agencies, Wgl and Sri C Sridhar Reddy, (Proud Alumnus from Class of 1999 ME President KITSWAA, Hyd Chapter) MD, M/s Prathiraj Metal Masters, Hyd who were kind enough to be our Chief Guest and Guest Honor to Alumni Meet Silver Jubilee Reunion for Class of 1994 on 28.12.2019 at KITSW Campus. Thanks a lot to both of them for accepting our request. 5. Glad to share that Sri Chandrashekar Reddy Kommera (A Proud Alumnus from the Class of 1987 CE), Cloud Solutions Architect, Oracle Corp. at Austin, Texas, USA visited his Alma Mater on 02.01.2020 and delivered talks on Cloud Technologies Virtualization for VI Sem. students of CSE IT and 6- Point Formula for Successful Married Life for final year students of B.Tech / MBA at Civil Seminar Hall, Block-IV, Room no # 216, KITSW.. 6. Our Alumnus Mr. Saikumar Karlapati (Powertrain Calibration Engineer, Detroit, USA) Mr. Salman Saleem (International Faculty, Art of Living) of Mech. Engg (2009 to 2013 batch) visited campus on 08.01.2020 and given willingness to interact with our students. 7. Thanks to Sri A Dayananda Reddy (a proud and distinguished Alumnus from Class of 1984 ME - 1st Batch founder president, KITSWAA) MD, M/s Vasantha Toolcrafts, Hyd for his valuable insight during first lecture of Alumni Lecture Series Career Readiness Competencies to our students at KITSW on 31.12.2019. 8. Dear Alumni, Happy to share that Sri Ram Gopal Vanapalli, Alumnus of 1991 to 95 batch (ME) visited the campus today i.e., on 11.01.2020. Presently he is an Independent Consultant Entrepreneur at Detroit, USA. 9. Please to inform that Dr. V Sai Krishna, Prof., University of Ottawa, Canada (A

former teacher of Civil Engg at KITSW) has visited us to interact with his former colleagues and members of AAC, KITSW on 24.12.2019. The Institute has plans to collaborate with University of Ottawa, Canada and working towards signing a MoU in the future. Thanks to Dr. Vanapalli S K.

## 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 inturn 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

Strategy Type Examination and Evaluation Details 1 On screen valuation 2 OBE Reports i.e., Course Outcome Attainment Level (COAL), Cognitive Domain Attainment Level (CDAL) for minor exams, MSE ESE 3 Procured extended validated SSL certification (EV-SSL certificate) to <https://www.kit-swexams.com/bet20e-portal/> to enhance security 4 Established Digital Valuation lab to meet the requirements of On-Screen valuation, OBE reports 5 Digitization of all internal exam and end semester exam marks since 2014-15 academic year to meet OBE requirements 6 Branch-wise/Course-wise/section-wise/Student-wise results analysis is provided to the HOD's. 7 Status alerts through SMS regarding fee notifications, examination schedules, Processing status of students application, Absentee record of students in MSE/ESE examinations. 8 The results of UG PG examinations are being declared within the time frame. The results can be accessed by the students through their individual logins.

Strategy Type Examination Details 1 The student portal <https://www.kitswexams.com> is created for facilitating the students to register for regular supplementary examinations, to pay fee in online mode, to download the hall ticket, to view their results, to apply for revaluation, to pay revaluation fee, to view revaluation results, to apply for consolidated grade sheet/provisional certificate/original degree certificate etc. 2 During parents visit/interaction, quick updated consolidated grade sheets information, up to the current semester is being provided. 3 Examination Branch communicates the information to parents regarding absence of their ward to the examination, if any, through SMS. Also communicates the status of applications like PC, CGS, Corrections in Names, Transcripts, CGPA to Percentage conversion certificate and information regarding fee notifications,

examination schedules. 4 Minor, Assignments, MSE question paper templates are being provided to the faculty for maintaining uniformity 5 For Mid semester examinations, question paper printing slot is given to the faculty members to optimize their time and to acquire the question papers well in advance and are preserved under the control of Addl. Controller of Examinations / Faculty I/c of Examinations 6 105 ppm digital duplicator is procured to cater the needs and to save the faculty time 7 Reports pane is provided to save faculty time 8 MSE marks report displays Min. marks, Max. marks, No. of students scoring less than 35, Average mark, Standard deviation, No. of students scoring more than 60 and Cognitive domain levels of the students. 9 Continuous Internal evaluation report pane: It calculates average of I II MSE, Average of eight (08) TA marks, Sum of average of MSE average of TA Displays, Min marks, Max marks, No. of students scoring less than 35, Average mark, Standard deviation, No. of students scoring more than 60, Branch-wise/Course-wise/section-wise results analysis, Lab Internal Evaluation Marks report pane 10 Department-wise faculty co-ordinators are drafted to bridge the gap between Examination Branch and the department 11 MSE ESE planners are prepared well in advance as per the almanac issued by the office of the Dean, Academics. 12 Student specific pre-printed bar coded OMR answer booklets are being issued for end semester examinations 13 Jumbling system is being strictly implemented in examination halls on daily basis through the seating arrangement plan and is being communicated to the students through the notice boards 14 Following specific procedures are rigorously followed two stage manual scrutiny of documents is carried out to minimize the errors 15 Tamper-proof Consolidated Grade Sheets with encrypted QR code is being issued 16 Delta EH-20KVA UPS is available in the examination branch for un-interrupted power supply to the server system so as to enable 24x7 online fee payments/registrations and to view the

student particulars like grade sheet requirements and fee receipts 17 The faculty members during invigilation duty pay special attention to the students who obtain prior permission for additional facility/special attention due to their health reasons/differently abled etc. during their examination and Permitting scribes during the examinations, Providing exclusive seating to suit their requirements and also availing health supervisor services

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

Strategy Type Details Library, ICT and Physical Infrastructure / Instrumentation NATIONAL PROGRAMME ON TECHNOLOGY ENHANCED LEARNING (NPTEL) a) No. of Web courses : 125(old) 363 (new) 488 b) No. of Video courses : 135(old) 555 (new) 690 TOTAL : 1178 c) Seating Capacity : 72 HP Desktop 466-012iL Intel Core i3-4170 Intel Chipset 4GB RAM 1TB Hard Disk ATX Cabinate Key Board, Optical Mouse and 18.5 '' LED HP Monitor . 2 TB 4 TB 4 TB Hard Disk (External). 10 TB HD DLP Projector Screen DIGITAL LIBRARY : The digital library has campus LAN connectivity through computer center and is

connected to web server. 25 Computers are installed for browsing. The Institution has subscription of AICTE recommended E-Journals package with which we can access E-Journals E-Books fo ASCE, ASME, ELSEVIER-Sciene Direct, IEEE, Springer Links, J-GATE(SMS) NDL N-LIST. HP Desktop 466-012iL Intel Core i3-4170 Intel Chipset 4GB RAM 1TB Hard Disk ATX Cabinate Key Board, Optical Mouse and 18.5 LED HP Monitor (12). HP Desktop Intel Pentium J3270 , 1 TB Hard Disk, 2 GB RAM ATX Cabinate, Key Board, Optical Mouse and 18.5'' LED Monitors (13). Canon Laser Shot LBP-1210 Printer. 20 KVA Scan Power UPS

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 field 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 like Blackbuck Engineering Pvt Ltd, Electronics Sector Skills Council of India(ESSCI), Efftronics Systems Pvt. Ltd, Pentagon Rugged Systems(India) Pvt Ltd, Research and Innovation Circle of Hyderabad (RICH), KWALITY Group of Industries, Which Includes Kwaliti Electronics Industries And Kwaliti

	Photonics Pvt Ltd, Brainiac Cognitive Solutions, Transfinite Innovative Solutions Pvt Ltd, Echohealth Products Pvt Ltd, Vasantha Tool Crafts Pvt. Ltd., Amritha Tool Crafts Pvt. Ltd. M/s Mathrusri Engineers, Prathiraj Metals Masters Pvt. Ltd, Renuka Plasti crafts Pvt. Ltd, Ecohealth Products Pvt. Ltd, M/s Intra Industrial Technologies, Transfinite Innovative Solutions Pvt. Ltd, International Industrial Products
Admission of Students	<ul style="list-style-type: none"> <li>• The institution has an active website (www.kitsw.ac.in) which is updated regularly and all the details of the institution are placed on the website.</li> <li>• Very meritorious students are joining in our college. All seats are filled every year from the inception of the college.</li> </ul>

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

E-governance area	Details
Planning and Development	Project Office is partially automated and equipped with 3 no of highly configured computer systems with dedicated software namely AUTO CAD and STAAD
Administration	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
Finance and Accounts	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.
Student Admission and Support	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.
Examination	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.

### 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
2020	Nil	Nil	Nil	Nil
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	One Week online Faculty Development program on " Advances in Sustainable Construction Engineering ASCE-2020	One Week online Faculty Development program on " Advances in Sustainable Construction Engineering ASCE-2020	13/07/2020	18/07/2020	450	50
<a href="#">View File</a>						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration

Emerging trends in transportation geotechnics	1	23/09/2019	27/09/2019	5
<a href="#">View File</a>				

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

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

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 POWER 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/ Grants received in Rs.	Purpose
AICTE	1500000	MODERNISATION AND REMOVAL OF OBSOLESCENCE (MODROBS) FOR PROCESS CONTROL LABORATORY
<a href="#">View File</a>		

6.4.3 – Total corpus fund generated

0
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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	Nil	Yes	Academic Audit Committee
Administrative	No	Nil	Yes	Administrative Committee

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

1) First year student induction program Feedback on curriculum 2) Feedback on overall disciplines Support for Internships Placements 3) "UG student registrations" May and June 2019 (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. 50.37 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	Yes
d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2020	Induction program for First year students	03/08/2019	03/08/2019	10/08/2019	233

[View File](#)

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

**7.1 – Institutional Values and Social Responsibilities**

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



Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Rangoli	06/02/2020	06/02/2020	40	Nil
Elocution on "Role of gender diversity in innovation and scientific discovery"	06/02/2020	06/02/2020	10	Nil
Essay Writing on "How to get rid of physical violence against women"	06/02/2020	06/02/2020	15	Nil
Debate on "Females are better managers than males"	06/02/2020	06/02/2020	12	Nil
"Photography on "My Inspiring Women"- A4 size colour printout or poster with her photocopy & discription "	06/02/2020	06/02/2020	3	Nil
Art & Craft Expo	06/02/2020	06/02/2020	4	Nil
Street play	06/02/2020	06/02/2020	10	Nil

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
<p>1) The total capacity of solar PV plants in the campus is 400 kW with season tilt type, single axis oriented and polar tracking type 2) More than 66 of the power requirement of the college is met by these plants. No pollution, less maintenance and it is of grid connected net metering type, where power can be fed to the grid when we don't use. Solar power is also used for requirements in Boys and Girls hostel towards heating and lighting systems 3) STP - 350 kLD Sewage Treatment Plant - Recycling of entire sewage water of the institute is done and the recycled is being used for various purposes like a) watering plants and humangous landscape gardening available in the campus, b) contact less flushing in toilets</p>

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
2020	Nil	Nil	01/12/2020	00	Nil	Nil	Nil
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## 7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Syllabus Book	08/07/2019	A separate code of conduct is supplied to all the parent and students of indulging in malpractices, misbehaviors and consequent punishment.
Anti - Plagiarism -Turntin	17/03/2020	Ethics and honesty are the two most important elements of any academic activities, be it a teaching or a research. Teaching and associated research is a novel profession based on extremely high moral values. There cannot be any room for claiming the credit for the work a student or a research scholar has not undertaken. It has been noticed in many cases that some of the academicians knowingly or unknowingly publish or present other's work as their own. Such acts will affect healthy academic atmosphere in the institute which will also harm the reputation of the institute as well as the individual. It is therefore important for Kakatiya Institute of Technology and Science, Warangal (KITSW) to have a policy on anti-plagiarism to curb the menace of plagiarism.

### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Skit Performance (Theme-Soldiers and farmers are nations pride.)	15/08/2019	15/08/2019	15
<a href="#">View File</a>			

### 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 350KLD 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. We have procured two numbers of Fuel Free, Inexpensive, No Running Cost, No Maintenance, Solid Waste Management, Eco Friendly Burners, and have installed in the campus at two different places so as to dispose off the excessive dry leaves, branches, and other collected solid waste materials from within the campus (mostly the material which is in excess for making compost manure) every day, to keep the campus clean and green also. We have also procured and installed one Water Softner System which treats the ground hard water for regular usage needs in Girls Hostel, Staff Quarters, Guest House areas. 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.

## 7.2 – Best Practices

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

- Engineering programmes, both at UG and PG level, are expected to impart required Knowledge (K), Skills (S) and Qualities (Q) and facilitate students to acquire the characteristics of a good engineer.
- National attention is today focused on the education of engineers and scientists and hence imparting KSQ

has to be at the core of engineering. • Accreditation and outcome based education (OBE) have become the foci of higher education in India since 2015. Our programmes are to be accredited by NBA and NBA requires all the engineering programmes (both at UG and PG level), attain the programme outcomes (POs) and programme specific outcomes (PSOs) through various course specific activities and have to demonstrate that the POs and PSOs are helping for continuous improvement. This in turn helps us to have continued institute level accreditation by NAAC and thereby improving our overall grade. • As a higher education institute, we should plan all the teaching-learning activities to facilitate students to attain well-defined and measurable outcomes. This is the most important requirement for all the faculty members at this institute. •

According to annual employability survey 2019 report, approximately 80 of Indian engineering graduates are not employable. The reason being the knowledge (K) and skills (S) imparted to students are not matching with the K S requirement of industry. The students are not being exposed to the requirements of industry 4.0 with suitable inputs on research and innovations happening and also the students are not being properly motivated to the concept of "continuous learning throughout life (life-long learning)". So focus should also be on job-relevant teaching-learning process, where in providing ample opportunities for self-learning is also a key factor. 2. 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 3.

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. 4. 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 5. 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 6. 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 studentLife-long learning 7.Institute technical festival/workshops: Every year a technical festival willbe organized in the Institute for harnessing the technical skills of the students and to promotethe leadership and organizing skills. The students are encouraged to participate in various eventsorganized 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 definesthe college's distinctive characteristic in terms of addressing needs of the society, institute'stradition value orientations. Adressing the needs of Society: KITSW is the first engineeringcollege in India to offer UG program in Electronics Instrumentation Engineering. The objective ofthe institute is to provide quality education in engineering to the students, to make themacademically superior and ethically strong. This objective is clearly reflected in the missionstatement. 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 andproject-based learning in teaching-learning process along with strong Industry-InstituteInteraction and research opportunities. These efforts will develop graduates who are academicallyand technically competent there by making the institute a renowned one. Our strengths incurricular, co-curricular and extra-curricular areas have improved the quality of education,Research Development. Specifically, the attributes like 80 graduation rate with approximately 50having distinction, more than 60 placement for all eligible graduating students, 12 students optfor higher education in India and abroad reflect the existence of a high-quality undergraduateprogram in KITSW. These characteristics of this institute have aligned with vision of ourinstitute, which states "To make our students technologically superior and ethically strong byproviding quality education with the help of our dedicated faculty and staff and thus improve thequality of human life". Some of the innovations and best practices which have created a positiveimpact on functioning of institution are: students and faculty are encouraged and involved in RDactivities and mandatory use of ejournals by students for seminar mini-project and major-projectimplementing 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 learnersbeyond curriculum, sending students to take internship, decentralization of academicadministration, well-thought student counseling (mentorship)program. The result of periodic reviewand best practices being followed, KITSW has achieved the following distinctions: Autonomoustatus 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 topengineering institutions in India. NIRF Ranking in 2018-2019 and secured Ranked 180 by MHRDs NIRFin the year of 2019 NIRF Ranking in 2019-2020 and secured Ranked 201-250 rank band width by MHRDsNIRF in the year of 2019 Ranked as GOLD institute by AICTE-CII survey of industry linked technicalinstitutes Data quest-cyber media Research group ranked KITSW 3rd best private engineering collegein Telangana and 59th in India. Receiving funds from UGC, AICTE and other organizations towardsresearch and development. Received Best ISTE Student

Chapter award in Telangana state. Vibrant Alumni association which meet periodically to help Almatater Identified as NPTEL local chapter

Provide the weblink of the institution

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

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

- Enhance industry based internships for UG and PG students
- Quality Research: All faculty and students should to publish SCI/Scopus/WoS Journals.
- Academic plagarisum Policy: Students: Screening of seminar, mini project, major project reports using Anti Plagiarism software-Turntin Faculty: Screening of all papers being submitted to Journals/Conferences using Anti Plagiarism software-Turntin
- Establishment of innovation, incubation and entrepreneurship cell
- Organizing workshops to excel students faculty to on descriptive technologies of Industry 4.0.
- Organizing activities to increase industry academic partnership.