



SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE

OPP. YERRAGATTU HILLOCK, HASANPARTHY MANDAL, WARANGAL.

506015

www.kitsw.ac.in

SSR SUBMITTED DATE: 29-11-2023

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

November 2023

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Kakatiya Institute of Technology & Science, Warangal (KITSW) is a private self-financing co-education technical institute, established by Ekasila Education Society (EES) in 1980 by an elite group of philanthropists with an objective to impart quality technical education and provide a strong & ethical human resource base to the society. Hon'ble Ex. Prime Minister Late Shri. P. V. Narasimha Rao inaugurated the institute. Over 42 years, the institute through its quality initiatives has attracted academicians of proven competence as faculty, augmented its infrastructural facilities and has emerged as one of the most sought after institutes in engineering and management education.

Courses Offered:

- Started as an undergraduate institute with three B.Tech courses affiliated to the Kakatiya University (KU), Warangal, now the institute is offering **Eleven (11) B.Tech courses, Seven (07) M.Tech courses** and a **Master of Business Administration (MBA)**, with a **total student strength of 4754** (UG: 4589, PG: 165).
- The institute is recognized as Research Centre by Kakatiya University for Ph.D programme and there are about **41 PhD scholars under various disciplines.**

Accreditation and Rankings:

- **NBA:** All eligible B.Tech courses are accredited by the NBA under Tier-I format and all eligible M.Tech courses are accredited by the NBA.
- **NAAC:** The institute is accredited by the NAAC with A - grade (CGPA: 3.21/4).
- **UGC Autonomy:** The UGC has accorded first time autonomy for a period of Six (06) years *w.e.f.* the academic year 2014-15 and extended for a period of Five (05) years *w.e.f.* the academic year 2021-22, including ex-post-facto for the period 2020-21.
- **NIRF:** The institute secured **180th rank in NIRF-2019**, placed in **200-250 band of NIRF-2020**, **197th rank in NIRF-2021** and placed in **201-250 band of NIRF-2022.**
- **ARIIA Ranking:** **Promising institute** for 2022

Infrastructure & Facilities:

Spread over **65.04 acre green campus**, the institute has

- **Innovation & Incubation Centre** (10,000 sft)
- **AICTE IDEA Lab** (5,000 sft)
- **MSME Business Incubator** Host institute status
- Four (04) centres of excellence (**CISCO, Indo-American Artificial Heart Project, NI LabVIEW, RPA-BOT Lab**)
- **AICTE mandated e-journals** with remote access and Central library with over **1,00,000 books, magazines**

Placements & Alumni:

- The institute witnessed good placement seasons over the last few years, with *71% placement in 2020-21, 90 % in 2021-22 and 82% in 2022-23.*

Vision

The Institution Vision:

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.

Mission

The Institution Mission:

- 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.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Strengths:

- UGC Autonomy since 2014
- NAAC accreditation with 'A' grade
- All eligible B. Tech. courses are accredited by NBA under Tier-I format
- GOLD CATEGORY Institute for consecutive 6th year by AICTECII Survey of Industry Linked Technical Institutes since 2015
- Visionary management and Governing Body with eminent people from industry and academia
- Committed faculty, staff and enthusiastic students
- Good faculty retention
- Industry and Academia experts in Board of studies of all courses
- Industry experts as Adjunct faculty
- Course content and outcomes designed by industry experts as per the expected Knowledge and Skills
- Learner-centric OBE pedagogy, which integrates innovation, incubation, research and entrepreneurship activities into course teaching
- Good placement record
- Very supportive and strong alumni base spread across the globe
- Leveraging through Centres of Excellence
- Research Centres recognised by the Kakatiya University

- AICTE mandated e-Journals in Digital Library with 24x7 remote access
- Decentralized Academic Administration and Transparent Governance
- Society outreach through Students Activity Centre (SAC), NSS and NCC
- Initiatives for implementation of NEP 2020
- 65.04 acre green campus, with 1.5 Gbps internet connectivity

Institutional Weakness

Weaknesses:

- Need for strengthening industry connect for faculty training, consultancy, sponsored research and establishing industry supported laboratories
- Need for placing students with high CTC packages to attract rankers
- Need for strengthening core placements to attract students in core branches
- Need for strengthening R&D in emerging areas of technology and societal impact of R&D projects
- Need for improving the quality of publications
- Need for improving the number of implementable patents
- Need for improving the student diversity

Institutional Opportunity

Opportunities:

- Efforts are on for acquiring *a degree granting university status*
- *Effective tapping of potential of huge alumni base* spread across the globe for student internships and strengthening innovation and startup ecosystem
- *Effective business incubation support* through MSME Business incubator for successful development of startups
- *Faculty Upskilling programmes* in collaboration with industry and academia in the emerging areas of technology
- *MoUs with institutes of national importance* for student internships and faculty collaborative research projects
- *International Collaboration with Universities* for possible exchange programs in the areas of student academic programmes & internships and faculty teaching & research
- *Video lectures for Student-centered learning* : Some of the faculty are developing video lectures as part of their course teaching, in an effort to create MOOCs in future

Institutional Challenge

Challenges:

- To constantly revise & update the curriculum and laboratory infrastructure to fulfil industry needs
- Recruitment of skilled faculty to teach emerging tech courses

- The lack of exposure to new technologies and research facilities to faculty members, can become a hurdle for imparting quality education to the students
- Recruitment of industry experts as Professors of Practice
- Attracting students from other states
- Foreign universities in the country and private universities will cause huge competition
- Lucrative financial packages and facilities provided by the private and foreign universities can cause migration of good faculty members

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Kakatiya Institute of Technology & Science works with a Vision and Mission to impart quality education to the students by providing skills for employability and to meet industrial needs. The curricula of UG and PG programs is developed and revised on regularly based on feedback from all the stakeholders, inputs/suggestions from industry experts and academicians. Faculty takes active part in the curriculum development. Course committees are constituted with senior faculty who will develop the course content with an objective to impart the industry relevant knowledge, skills and qualities to the students. They collaborate with industry experts and employees and will develop the course content accordingly. This collaborative approach ensures that our courses remain relevant, addressing the most pressing challenges and opportunities in various fields.

The faculty is committed in fostering the employability, entrepreneurial spirit, and skill development among the students. The institution places a strong emphasis on entrepreneurship. Both UG and PG programs provide opportunities to the students to develop their entrepreneurial skills, explore innovative ideas, and gain practical experience.

Students with entrepreneurial mind-set are given training on skills required by the industries. Training & Placement cell provides company specific training to make the students industry ready. Centre for Innovation-Incubation-Research-Entrepreneurship (IIRE) organises activities and competitions to inculcate the entrepreneurship among the students.

Numbers of programs are conducted for women and girl students to address gender equity and other aspects. Major gender issues are focused and addressed through the activities like Save girl child campaign, Essay and poster exhibitions, wall paper presentations, etc. The institute promotes neighbourhood - community networks by initiating the community development activities through its National Service Scheme (NSS) Unit. The NSS unit of the institute inculcates the spirit of service in the students mind by conducting various programmes like tree plantation, blood donation camps etc.

Teaching-learning and Evaluation

Teaching, learning and evaluation plays vital role for growth of any educational institution. The admission process is transparent, and admission of students to various courses done according to the guidelines of Government of Telangana. The Admission Committee monitors fair and transparent admission process and guide students to help them in admissions.

Remedial and extra classes are organized for weaker students and for slow learners. Counsellor will counsel the

students regularly. Department will organize Parent-teacher meetings to identify students' problems and counselled by counsellor. The advanced learners are encouraged to take honors and Minors, additional courses with self-learning like NPTEL, MOOCs. Students are encouraged to gain knowledge by participating in training programs, workshops, seminars, conferences, Hackathons, coding contests, industrial visits, NPTEL certification programs, internships.

Our institute adopts interactive, innovative and ICT based teaching method called Innovation-Incubation-Research-and-Entrepreneurship (I2RE) based learning with student-centric approach (discuss the topic, solve lecture-level problems, summarize the lecture after each class). The I2RE based learning includes (i) preparation of Outcome Based Lecture Scheduled (OBLs), (ii) CourseWeb-A learning management software platform, (iii) Tutorial class, (iv) Program based Assignments, (v) Experiential Learning by laboratory courses, industrial visits, etc., (vi) Participative Learning like seminars, MOOCs; and (vii) Course Project.

Our institution adopts an effective Mentor-Mentee Scheme through Student Mentoring and Career Guidance (SMCG) Cell. SMCG Cell releases list of counsellors/mentors and counselees/mentees for every academic year. Counsellor will counsel individual students during Meet Your Counsellor slot (MYC) and maintains Counselling record book for individual student.

The Dean for Academic Affairs and team prepares the Academic Calendar for the effective functioning of the Institution. The Departments and other service units prepare their activities and programme calendar (OBLs-Outcome Based Lecture Schedule) resonate with the calendar of all programmes to help micro level planning by scheduling most of the activities in advance and maximising the use of infrastructure.

The institution has a robust and transparent evaluation system as evidenced by the functioning of the examination committee, the evaluation mechanism, the grievance redressal mechanism etc. Our Institution will follow CGPA system, use College Management System software to post examination-related information, adopt online examination registration and payment.

Research, Innovations and Extension

Kakatiya Institute of Technology & Science, Warangal (KITSW), established in 1980 by Ekasila Education Society (EES), Warangal, a philanthropic society, with a primary objective of providing quality technical education in the backward region of Telangana. Enormous experienced faculty with doctorate are engaged in advanced research areas attracting young aspirants to pursue UG/PG/PhD studies. Most of the faculty are doctorates from IITs, NITs. Institute is recognized as research center under Kakatiya University. About four scholars are pursuing their doctoral program under each supervisor. Institute has set up Research & Development cell to facilitate faculty and students to perform high quality research by publishing good number of papers in SCI Journals and patents. Number of subscriptions for Journals like ASME, ASCE, IEEE, are made available online/offline in the campus library. Faculty are receiving good number of funds from various funding agencies. They are encouraged to do collaborative research in advanced areas such as AIML, VLSI, Embedded Systems, Additive Manufacturing, Composite Materials, nanotechnology, MATLAB, PCB development. This institute has well-defined Academic Research, Consultancy and Industrial Training (ARCIT) policy for promoting the faculty to higher positions.

Seven center of excellences were established to promote research. An Artificial Heart pump is being developed by the KITSW team in association with University of Pittsburgh, USA. Faculty are receiving incentives under Faculty Research Support Scheme (FRSS) and Faculty Research Incentive Scheme (FRIS).

To promote innovative thinking, Innovation, Incubation, Research and Entrepreneurship (I2RE) Cell was setup. IIC is a forum for students and faculty to solve multidisciplinary problems and suggest an innovative solution. This cell is to integrate innovation and entrepreneurship courses as a part of academics and create collaborative work with industry.

Separate Industrial Consultancy Cell has been established to facilitate communication with external agencies and promote revenue. This cell is to serve different departments, Government/private organizations.

Infrastructure and Learning Resources

The institute is spread over 65 acres of green and eco-friendly campus with excellent playfields. It provides adequate infrastructure facilities which are meeting not only the norms of regulating bodies but also satisfies functional needs. Classrooms are equipped with multimedia teaching aids. Laboratory equipment is as per the syllabus requirements and also supports content beyond syllabus experiments. High-end equipment are also available for student projects and research.

The campus is LAN & Wi-Fi connected with 1.5Gbps internet. Sewage treatment plant (STP) of 350 KLD capacity and 400 KWp captive solar power plant (Roof top), to reduce carbon emission, are few other steps towards eco-friendly campus. Other supporting facilities such as hostel for boys & girls, 10 acres of playfields, Indoor stadium, gymnasium for boys & girls and dispensary are available on the campus. Facility for Divyangjan students are provided such as lift, wheel chair, scribe, personal assistance and separate washrooms. Audi-video centres and mixing facility are provided at Auditorium and seminar halls.

The Central Library supports the teaching learning program of the Institute. It provides reading & lending facility to the users. It is located in the ground floor of Block II.. It has a collection of 86,872 books with 16,605 Titles, back volumes, pamphlets, standards, CD-ROMs, Video cassettes etc. It receives 156 National and International Journals and provides Remote access (through Knimbus platform) to 9358 – E Journals, 6022 – E-Books, 50866- Journals & Articles thorough AICTE recommended Journal Subscriptions. The institute is recognized as NPTEL local chapter. In addition, the department libraries have good collection of reference books, project works, and reports.

Institute has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities. KITSW Institute is having campus network with Optical Fiber Cable (OFC) as back bone supporting different services like audio, video streaming and telephone network with 1.5Gbps one-one internet connections to all the systems.

Student Support and Progression

Number of mechanisms are being provided for student support and mentoring. Interaction starts with well-organized orientation program for first year students by a team of faculty headed by the Principal. HoDs and faculty members help to identify and understand student issues. A group of 20 to 25 students are allotted to each faculty counselor (mentor), to discuss academic and non-academic issues which include study planning, attendance, exam preparation, assignment submission, guidance for seminar/project, difficulties if any in teaching-learning process etc.

Institute has adapted a strong career counsellings system to provide personalized guidance and support to

students regarding their career choices and opportunities through a student support centre named "**Student Mentoring and Career Guidance**" (SMCG) Cell. The SMCG Cell of the Institute offers guidance for various competitive examinations for Civil Services Examination, IES and GATE Exams for all the students annually.

Make up/Remedial classes conducted for weak learners. HoDs and T&P officer, guide the students for taking up summer internships in industry and higher education. Advanced learners are encouraged to participate in paper presentations and guidance is given for various competitive examinations. The institute conducts soft-skill development, domain specific training and career counseling session for the students by inviting external experts. Industry, employers, faculty and very strong Alumni connect actively contribute to the students development. Around 90% of total students complete the program within stipulated time.

More than 60% campus placements for eligible candidates, around 20% students pursue higher studies, others preparing for competitive examinations and few are becoming entrepreneurs. Students have won several prizes by participating in inter-collegiate, intra-and inter-university sports, tournaments and cultural competitions. Alumni motivate students with interactive sessions, expert talks and alumni meets. Academic excellence awards are given to final year students every year, some of which are sponsored by alumni. Alumni sponsor academic gold medals to students which are handed over during Graduation Day.

Governance, Leadership and Management

The organization is striving towards providing quality education since 1980. The institute has a vision to make 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.

The leadership of institute believes in participative management and strives to bring in excellence with the involvement of all stakeholders. Various stakeholders of the institute are the members of the statutory bodies and committees and their meetings are conducted regularly and are being recorded.

The organizational structure of the institute reflects the decentralization of administration at the institute and department levels. Under the leadership of the Heads, the departments plan and execute the academic and administrative activities. Dean (Academic Affairs) coordinates all academic activities of the institute. Institute, being self-financed, the tuition fee is the main source of the income.

Institution mobilizes the funds through tuition fee, applying research grants and consultancy. These funds are effectively used to meet the teaching & non-teaching salaries, teaching - learning requirements, upgradation of laboratories, infrastructure development, organizing various extracurricular and co-curricular activities, promoting faculty for continuous education, supporting for attending workshops & conferences and campus maintenance.

The institute makes budgeting provisions for recurring and non-recurring expenditure at the beginning of each academic year. As per the budget, the financial resources are made available for functioning of the college. Periodically, the accounts are audited internally and externally. Enlightened and forward looking management, with over 41 years of experience and a vision for bringing up institution to the highest level of quality, encourages faculty and students in all aspects.

Since inception, the Institute is in practice of getting confidential report about the performance of the teaching and non-teaching staff through their Heads of Departments/Section heads in a prescribed proforma. The PBAS

proforma has been revised to AICTE 360 degree feedback form as per AICTE VII pay guidelines on 10 point scale w.e.f 2022-23.

Institutional Values and Best Practices

KITSW is an eco-friendly campus known for its academic standards, competitive students, committed faculty, financial discipline, supportive management and strong alumni. Institution is committed to make students technologically superior & ethically strong through activities organized in the direction of inculcating social sensitiveness and make them best citizens of the country.

Institute stands as an example in taking initiatives towards Gender equity & Gender sensitivity by Women Cell and IEEE-WIE. Female students are also encouraged to take part in all activities related to departments and Institution levels and also to lead curricular and co-curricular activities. Students of this institution are sensitized on Gender - Equity through webinars, seminars, and counseling and guidance sessions by internal and external experts.

Alternate Energy initiatives– 400 KWp Solar Power Plant and LED lighting. Waste management- 2m³ Biogas plant, 350 KLD capacity sewage treatment plant and e-waste disposal. Rain water harvesting pits are provided at various parts of the campus.

Green land scaping and plastic free campus is maintained. Pedestrian friendly roads, ramps, restrooms etc., are provided for differently abled.

Guest house, hostels, bus transport, T&P office at Hyderabad to overcome locational disadvantages. Awareness camps on yoga, safety rules, GST, extending help to orphans and old age homes to educate local community. Human values, professional ethics and communal harmony are promoted.

Best practices include ICT and Outcome based teaching-learning process by incorporating research & entrepreneurial skill to the students and Students Alliance for Innovation Learning. Other practices include Mandatory soft skills & domain specific skills for students and PBAS for faculty, implementation of pay-scales as per norms, adherence to examination schedule and compensatory classwork for any unforeseen holidays.

The result is evident through NBA accreditation to all eligible B.Tech. Programs.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	KAKATIYA INSTITUTE OF TECHNOLOGY AND SCIENCE
Address	Opp. Yerragattu Hillock, Hasanparthy Mandal, Warangal.
City	WARANGAL
State	Telangana
Pin	506015
Website	www.kitsw.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	K. Ashoka Reddy	0870-2564888	7382520585	-	principal@kitsw.ac.in
IQAC / CIQA coordinator	K. Eswaraiah	-	9949106646	-	iqac@kitsw.ac.in

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of Establishment, Prior to the Grant of	30-10-1980

'Autonomy'	
Date of grant of 'Autonomy' to the College by UGC	14-06-2014

University to which the college is affiliated		
State	University name	Document
Telangana	Kakatiya University	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	28-11-1984	View Document
12B of UGC	28-11-1984	View Document

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	10-04-2017	12	
AICTE	View Document	10-04-2017	12	

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Opp. Yerragattu Hillock, Hasanparthy Mandal, Warangal.	Urban	65.04	263207.5

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/ Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	Intermediate	English	64	57
UG	BTech,Mechanical Engineering	48	Intermediate	English	64	38
UG	BTech,Electrical And Electronics Engineering	48	Intermediate	English	64	59
UG	BTech,Computer Science And Engineering	48	Intermediate	English	192	191
UG	BTech,Information Technology	48	Intermediate	English	129	129
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	64	55
UG	BTech,Electronics And Communication Engineering	48	Intermediate	English	193	192
UG	BTech,Computer Science And Engineering Networks	48	Intermediate	English	129	128
UG	BTech,Computer Science And Engineering Networks	48	Intermediate	English	128	128

UG	BTech,Computer Science And Engineering Networks	48	Intermediate	English	129	129
UG	BTech,Computer Science And Engineering Networks	48	Intermediate	English	64	64
PG	Mtech,Civil Engineering	24	B.TECH Civil	English	24	12
PG	Mtech,Mechanical Engineering	24	B.TECH Mechanical	English	12	4
PG	Mtech,Electronics And Instrumentation Engineering	24	B.TECH ECE EIE	English	12	6
PG	Mtech,Electrical And Electronics Engineering	24	B.TECH EEE	English	18	9
PG	Mtech,Computer Science And Engineering	24	B.TECH CSE	English	12	1
PG	Mtech,Information Technology	24	B.TECH IT CSE	English	12	6
PG	Mtech,Electronics And Communication Engineering	24	B.TECH ECE	English	12	1
PG	MBA,Management	24	ANY UG DEGERE	English	64	56
Doctoral (Ph.D)	PhD or DPhil,Civil Engineering	60	M.TECH CIVIL	English	8	0
Doctoral	PhD or DPhil	60	M.TECH ME	English	8	0

(Ph.D)	,Mechanical Engineering		CHANICAL			
Doctoral (Ph.D)	PhD or DPhil ,Electronics And Instrumentation Engineering	60	M.TECH EIE ECE	English	8	0
Doctoral (Ph.D)	PhD or DPhil ,Computer Science And Engineering	60	M.TECH CSE	English	8	0

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	24				46				221			
Recruited	19	5	0	24	38	8	0	46	145	76	0	221
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	24				46				221			
Recruited	19	5	0	24	38	8	0	46	145	76	0	221
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				128
Recruited	112	16	0	128
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				128
Recruited	112	16	0	128
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				51
Recruited	44	7	0	51
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				51
Recruited	44	7	0	51
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	17	4	0	34	5	0	54	20	0	134
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	2	1	0	4	3	0	90	57	0	157
UG	0	0	0	0	0	0	0	0	0	0

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

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

Details of Visting/Guest Faculties					
Number of Visiting/Guest Faculty engaged with the college?	Male		Female		Total
	6	0	0	6	

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	2589	26	0	5	2620
	Female	1958	9	0	2	1969
	Others	0	0	0	0	0
PG	Male	72	1	0	0	73
	Female	90	2	0	0	92
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	32	0	0	0	32
	Female	9	0	0	0	9
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	106	129	82	88
	Female	82	79	78	78
	Others	0	0	0	0
ST	Male	47	60	51	54
	Female	23	30	30	22
	Others	0	0	0	0
OBC	Male	358	364	371	346
	Female	306	290	287	256
	Others	0	0	0	0
General	Male	145	150	158	155
	Female	137	112	136	142
	Others	0	0	0	0
Others	Male	46	53	41	39
	Female	22	26	29	21
	Others	0	0	0	0
Total		1272	1293	1263	1201

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engineering	View Document
Computer Science And Engineering	View Document
Computer Science And Engineering Networks	View Document
Electrical And Electronics Engineering	View Document
Electronics And Communication Engineering	View Document
Electronics And Instrumentation Engineering	View Document
Information Technology	View Document
Management	View Document
Mechanical Engineering	View Document

Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>ADDITIONAL LEARNING LEADING TO UG DEGREE WITH HONOURS / MINOR IN ENGINEERING (In line with the provisions laid down in AICTE Model Curriculum for Undergraduate Degree Course in Engineering & Technology, January 2018) Every student has specific abilities, interests, career goals and wishes to enhance his/her academic learning experience. Employers look for graduates with different combinations of competencies with T-shaped skills. Hence, opportunities for additional learning are the major requirement for students to bridge the industry-academia gap. At KITSW, to support students' additional learning needs, the following provisions are made in URR18 curriculum: HONOURS/MINOR IN ENGINEERING A student will be eligible to get UG Degree with Honours in one's own discipline and/or additional Minor in Engineering in a discipline other than one's own, if he/she completes an additional 20 credits, in addition to basic degree 160 credit requirement. These additional 20 credits could be acquired through MOOCs. Interested KITSW students can earn required additional credits leading to Honours/Minor in Engineering. Detailed guidelines for the additional learning are here. To promote Multidisciplinary/Interdisciplinary learning the students are given an option to choose the advanced course and inter disciplinary courses</p>
--	---

	<p>through the Honour and Minor curriculum framework. HONOURS: https://www.kitsw.ac.in/honours_guidelines.html MINOR IN ENGINEERING: https://www.kitsw.ac.in/minor_guidelines.html</p>
<p>2. Academic bank of credits (ABC):</p>	<p>As per the reference no. D.O.F. No. 1-1/2022(ABC), Dated: 13-05-2022, the Ministry of Education notified the University Grants Commission (UGC) to facilitate the opening of Academic Account by the students and on-boarding of Higher Educational Institutions (HEIs). The Academic Bank of Credits(ABC) will digitally store the academic credits earned by the students from HEIs registered with ABC, for awarding degree/diploma/certificates taking into account the credits earned by students. The ABC will ensure opening, closure and validation of Academic Bank of Accounts, verification, accumulation and transfer or redemption for students. To enhance the reach of ABC program, our Institute KITSW has initiated the registration process on ABC on 27-07-2023. With the already available data under National Academic Depository (NAD), total 103 ABC accounts have been created by the students through their individual registrations till date.</p>
<p>3. Skill development:</p>	<p>The vision of our institute KITSW is 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. In line with our institute vision, we have added skill development courses in our curriculum as well as skill development activities organized by the Innovation Incubation Research and Entrepreneurship (I2RE) Center to make our students technological superior. I2RE center conducts activities for students such as skilling Program, Awareness Program, Industry Interactions, Faculty Development Programs (FDPs), Workshops etc. It encompasses four Important avenues for the students to showcase their innovative and creative abilities viz., Institutions Innovation Council, MSME-Business Incubator, Entrepreneurship Development Cell and National Innovation Startup policy. KITSW introduced additional learning leading to UG DEGREE WITH HONOURS / MINOR IN ENGINEERING In line with the provisions laid down in AICTE Model Curriculum for Undergraduate Degree Course in Engineering &</p>

	<p>Technology, January 2018. Every student has specific abilities, interests, career goals and wishes to enhance his/her academic learning experience. Employers look for graduates with different combinations of competencies with T-shaped skills. Hence, opportunities for additional learning are the major requirement for students to bridge the industry-academia gap. At KITSW, to support students' additional learning needs, the following provisions are made in URR18 curriculum: HONOURS/MINOR IN ENGINEERING A student will be eligible to get UG Degree with Honours in one's own discipline and/or additional Minor in Engineering in a discipline other than one's own, if he/she completes an additional 20 credits, in addition to basic degree 160 credit requirement. These additional 20 credits could be acquired through MOOCs.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>As per the AICTE model curriculum, we have added the mandatory courses related to Indian knowledge system into our curriculum i.e., Universal Human Values-1(UHV-1) through Induction Program for first year students, YOGA/SPORTS/NSS, Essence of Indian Traditional Knowledge (EITK), Universal Human Values (UHV-2) in 4th & 5th semesters. Similarly, workshops are arranged for the creation of awareness towards the importance of the Indian language and culture like yoga day, art exhibitions, etc. The institute is in the process to train the faculty in this regard. The institute conducts various cultural programs wherein various competitions like Rangoli, Pottery, Painting/sculpting, Theater/ Skit, Literature, and Food are held through Student Activity Center (SAC).</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>Institute is implementing OBE as per NEP 2020 into our curriculum: In OBE, the students, have to take the ownership of learning to master the 21st century knowledge, skills and qualities (KSQs). The outcome-based lecture schedule (OBLS) is designed to implement student-centered active learning pedagogy. OBLS is aimed at involving students in active learning which harness skills. Students are no more a passive recipient of knowledge from teacher, but an active learner of 21st century education. In classroom discussions, students have to actively engage with prior preparation of content. In OBLS, students will be properly guided towards self-learning topics(SLTs), Classroom Discussion Topics(</p>

	<p>CDTs). OBLs is prepared based on the course content of the recommended course textbook SLTs: The resources (video lectures, handouts) will be posted along with Lecture Summary. Students are advised to engage in self-learning by watching the videos/ reading the handouts or the topics listed from textbook. After completing every SLT, students read the lecture summary and solve lecture level practice problem (LLPs). CDTs: The course faculty will engage students in discussion in classroom on lecture topic. As an active learner, students read the topic as per the resources mentioned in OBLs, and participate in discussion. In the class itself, students are expected to solve all the LLPs listed in the CDT lecture summary, which test your learning outcomes. In student- centered active learning, reading the content from course textbook, as indicated in OBLs, is very essential. So, students are advised to purchase the course textbook and engage in active learning, using the resources, as indicated in OBLs.</p>
6. Distance education/online education:	<p>Students are encouraged to participate in the online courses through different online learning platforms like Coursera, SWAYAM NPTEL, UDEMY, etc. The institute allot faculty incharges for SWAYAM/ MOOCs online course to facilitate the online education to both students and faculty. The institute has conducted online lectures and webinars for the students through Microsoft Teams (MS), Google Meet, etc. during the pandemic. The institute has adapted a new learning management software platform which is called "COURSEWEB". Students in our campus access the course content through this platform like course video lectures prepared by faculty, Classroom Discussion Topics (CDT) summary, Self Learning Topics (SLT) summary, and course PPTs. This is the platform for all the learning material and content development shared with the students. Also, KITSW adapted new platform for submission of programming based assignments (A1 & A2) and special assignments (summary on course patents & course research paper) through 42learn platform, which is specially designed for our students to identify the plagiarism content of each students.</p>

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	No, however the activities related to ELC are being organised by NSS Club under Student Activity Centre (SAC)..
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	As ELC activities are being carried out by NSS Club, the NSS Club faculty & Student co-coordinators are acting for the same.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	Through active participation in web casting for both the State Assembly and Parliament elections, students at KITSW have contributed to the electoral process by helping district election administrations during polls. Awareness campaigns are done to motivate and educate students for Voter registration. The importance of voter registration and the different forms—Form 6 for voter enrollment, Form 8 for any necessary revisions, and Form 7 for removal from the voter list—were explained to students. Recently Hanamkonda district collector Smt. Siktha Patnaik inaugurated the voter ID Enrollment Drive on 02.09.2023 in the institute, organized by student members of NSS club.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Awareness campaigns are done to motivate and educate students for Voter registration. The importance of voter registration and the different forms—Form 6 for voter enrollment, Form 8 for any necessary revisions, and Form 7 for removal from the voter list—were explained to students.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	The NSS club at the KITSW Student Activity Center has organised special voter registration drive for students who turn 18 years on October 1, 2023. The importance of voter registration and the different forms—Form 6 for voter enrollment, Form 8 for any necessary revisions, and Form 7 for removal from the voter list—were explained to students. Many students took part in the special push, and many who have completed their eighteen years have registered to vote in the process of developing the nation. Among the attendees were district representatives, the Principal, the Registrar, Deans, Heads of department, and faculty.

Extended Profile

1 Students

1.1

Number of students on rolls year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
4585	4507	4415	4218	4228
File Description		Document		
Provide Links for any other relevant document		View Document		
Institutional data in the prescribed format (data		View Document		

1.2

Number of final year outgoing students year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1169	1160	1198	1119	1144
File Description		Document		
Provide Links for any other relevant document		View Document		
Institutional data in the prescribed format (data		View Document		

2 Teachers

2.1

Number of full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
292	263	251	262	235
File Description		Document		
Provide Links for any other relevant document		View Document		
Institutional data in the prescribed format		View Document		
Certified list of full time teachers		View Document		

2.2

Total number of full time teachers worked/working in the institution (without repeat count) during last five years:

Response: 385

File Description	Document
Provide Links for any other relevant document	View Document
Institutional data in the prescribed format	View Document

3 Institution

3.1

Total expenditure excluding salary year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
2675.54953	1317.61726	698.86080	1081.3752445	1090.88892
File Description		Document		
Provide Links for any other relevant document		View Document		
Other Upload Files				
1		View Document		

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1

Curricula developed and implemented have relevance to the local, regional, national, and global developmental needs, which is reflected in the Programme outcomes (POs) and Course Outcomes(COs) of the Programmes offered by the institution

Response:

The institute has Vision and Mission to impart quality education to the students by providing skills for employability and to meet industrial needs. Curricula of UG and PG programs are designed inline with Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs).

- Curricula is developed and revised on regular basis, based on inputs from the following:

- 1.Feedback from stakeholders - to meet local requirements
- 2.Inputs from industry experts (In & abroad) - to meet industry & global developmental needs
- 3.Suggestions from academicians of reputed institutions - to meet regional & global needs

KITSW curricula is revised on a regular basis to reflect changes in the needs in the local and global scenario.

- The procedure for developing curricula is provided below:

- 1.Course Committees are constituted with senior faculty of the department and those who have taught the course for a minimum of two years.
- 2.The course committees look into the local, regional, national and global needs and identify the real-world problems which helps in preparing the course content.
- 3.The course contents are put forward to the Board of Studies for approval for necessary inputs.
- 4.Based on the inputs received from the BoS, the course contents will be revised and will be approved by the BoS members.

- Each programme has a Board of Studies (BoS) which comprises of internal faculty and external members belonging to industry, alumni and entrepreneurship. Decisions taken in the board of studies are then referred to the principal of the institute who serves as chairman of the joint Board of Studies for granting approval to the decisions made at the level of board of studies.
- The curriculum designed has the following components:

1. Science Component
2. Humanities & Social Science

3. Professional Core
4. Breadth Component
5. Electives - Professional & Open electives
6. Internship
7. Mandatory & Audit courses
8. Project work & Seminar

- The autonomous status is used cautiously and effectively in incorporating the courses such as Advanced Data Structures, Internet of Things (IoT), Artificial Intelligence and its Applications, Data Science in UG & PG curricula.
- Program Articulation Matrix (PAM) is verified to see that all POs are covered in the curriculum.

IQAC conducts Academic Audit every year to find out the syllabus coverage of all courses and identifies the gap to fill the skills. These required skills are imparted through internships, industrial training, seminars, guest lectures and project works.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.1.2

The programmes offered by the institution focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements

Response:

- At KITSW, we are committed in fostering the employability, entrepreneurial spirit, and skill development among our students. UG & PG programs are meticulously designed to not only provide a comprehensive educational experience but also to prepare our graduates for the ever-evolving demands of the professional world. We achieve this through a deliberate and continuous process of updating our course syllabi to align with contemporary requirements and industry standards.
- Our curriculum development is dynamic, and we regularly collaborate with industry experts and employers to understand the specific skills and knowledge needed to succeed in today's competitive job market. This collaborative approach ensures that our courses remain relevant, addressing the most pressing challenges and opportunities in various fields. As a result, our graduates are well-equipped to enter the workforce with a deep understanding of their chosen

industry and the practical skills necessary to excel.

- Additionally, our institution places a strong emphasis on entrepreneurship. We understand the importance of cultivating the entrepreneurial mindset, and our programs offer students opportunities to develop their entrepreneurial skills, explore innovative ideas, and gain practical experience. Whether you aspire to start your own business or thrive in a competitive corporate environment, our institution provides the tools and knowledge to make your ambitions a reality.
- Over and above curriculum, students are given training on skills required by the industries. Training & Placement cell provides company specific training to make the students industry ready. Centre for Innovation-Incubation-Research-Entrepreneurship (IIRE) organises activities and competitions to inculcate the entrepreneurship among the students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

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

Response: 39.47

1.2.1.1 Number of new courses introduced during the last five years:

Response: 255

1.2.1.2 Consolidated number of courses offered by the institution across all Programmes (without repeat count) during the last five years :

Response: 646

File Description	Document
Subsequent Academic Council meeting extracts endorsing the decision of BOS	View Document
Minutes of Board of Studies meeting clearly specifying the syllabus approval of new courses	View Document
Institutional data in the prescribed format (data template)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability and other value framework enshrined in Sustainable Development Goals and National Education Policy – 2020 into the Curriculum

Response:

- The curriculum is well designed to integrate courses related to Environment and Sustainability, Human Values and Professional Ethics to be inline with institution Vision and Mission.
- Following courses have been introduced in the curriculum.

Name of the area	Details of course introduced	Semester/Program
Human Values	U18MH111 Universal Human Values-I	Induction Program
Environment and Sustainability	U18CH109 Environmental Studies	B.Tech. I semester
Personality Development	U18EA110 EAA* : Sports/Yoga/NSS	B.Tech. I semester
Professional Ethics	U18MH415 Essence of Indian Traditional Knowledge	B.Tech. IV semester
Human Values	U18MH501 Universal Human Values - II	B.Tech. V semester
Environment and Sustainability	U18EE502A: Renewable Energy Systems	B.Tech. V semester
Environment and Sustainability	OE 701A: Disaster Management	B.Tech. VII semester
Professional Ethics	OE701C: Professional Ethics in Engineering	B.Tech. VII semester
Environment and Sustainability	OE 701D: Rural Technology and Community Developments	B.Tech. VII semester
Environment and Sustainability	P20PE102 Renewable Energy Systems	M.Tech. I semester
India & its traditions	P20AC108B: Sanskrit for Technical Knowledge	M.Tech. I semester
India & its traditions	P20AC108C:	M.Tech. I semester

	Constitution of India	
Personality Development	P20AC208A: Stress Management by Yoga	M.Tech. II semester
Professional Ethics	P20AC208B: Value Education	M.Tech. II semester
Professional Ethics	P20AC208C: Personality Development through Life Enlightenment Skills	M.Tech. II semester
Environment and Sustainability	P20AC208D: Disaster Management	M.Tech. II semester
Environment and Sustainability	P20OE302F: Waste to Energy	M.Tech. III semester

Cocurricular and Extra-curricular Activities:

1. Gender

Numbers of programs are conducted for women and girl students. The committee for Woman Anti harassment and internal complaint committee organizes programs on Woman Empowerment, Laws for Woman, Women's Day, The N.S.S. unit of our college has been very proactive in conducting different extension activities not only in college premises but also in adopted villages also. Major gender issues are focused and addressed through the activities like Save girl child campaign, Essay and poster exhibitions, wall paper presentations, etc.

2. Environment and Sustainability

N.S.S. promotes environmental protection through tree plantation and other sustainable development programs. Every year, N.S.S. unit undertakes a host of activities in the nearby villages during the special camps.

3. Human Values and Professional Ethics

The institute promotes neighborhood - community networks by initiating the community development activities through its National Service Scheme (NSS) Unit. The NSS unit of the institute inculcates the spirit of service in the students mind by conducting various programmes like tree plantation, blood donation camps etc. The students of various departments form social service groups and take up service activities independently with the guidance of the faculty. Physical education gives students a general picture of the scope of physical education (PE) and its relationship with sport, recreation and leisure.

Programs are conducted under N. S. S., N.C.C., to help students to inculcate human values among students. National festivals like Independence Day and Republic Day serve as a platform to enliven patriotic and moral values. Different social activities have been initiated by the college like Health and Hygiene awareness programs, Medical check-up camps, AIDS awareness programs, Voter's awareness program, Road safety Campaign, Blood donation camps, etc.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Number of certificate/value added courses/Diploma Programmes offered by the institutions and online courses of MOOCs, SWAYAM/e-PG Pathshala/ NPTEL and other recognized platforms (without repeat count) where the students of the institution have enrolled and successfully completed during the last five years.

Response: 248

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format (data template)	View Document
Evidence of course completion, like course completion certificate etc	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.3.3

Percentage of programmes that have components of field projects / research projects / internships during the last five years.

Response: 100

1.3.3.1 Total Number of programmes that have components of field projects / research projects / internships (without repeat count) during the last five years

Response: 19

1.3.3.2 Total Number of programmes offered (without repeat count) during the last five years

Response: 19

File Description	Document
Sample Internship completion letter provided by host institutions	View Document
Sample Evaluated project report/field work report submitted by the students	View Document
Provide the relevant information in institutional website as part of public disclosure	View Document
Program and course contents having element of field projects / research projects / internships as approved by BOS	View Document
Institutional data in the prescribed format (data template)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

1.4 Feedback System

<p>1.4.1</p> <p>Structured feedback for curriculum and its transaction is regularly obtained from stakeholders like Students, Teachers, Employers, Alumni, Academic peers etc., and Feedback processes of the institution may be classified as follows:</p> <p>Response: A. Feedback collected, analysed, action taken & communicated to the relevant bodies and feedback hosted on the institutional website</p>	
File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 86.9

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
1105	1119	1136	1103	1064

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1318	1332	1380	1225	1105

File Description

Document

Provide the relevant information in institutional website as part of public disclosure

[View Document](#)

Institutional data in the prescribed format (data template)

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document relating to sanction of intake as approved by competent authority

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 100

2.1.2.1 Number of actual students admitted from the reserved categories in the first year of the programme year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
816	833	806	798	740

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

2022-23	2021-22	2020-21	2019-20	2018-19
816	833	806	798	740

File Description	Document
Provide the relevant information in institutional website as part of public disclosure	View Document
Institutional data in the prescribed format (data template)	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of the letter issued by the State govt. or Central Government Indicating the reserved categories(SC, ST, OBC, Divyangjan, etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any	View Document

2.2 Catering to Student Diversity**2.2.1**

The institution assesses the learning levels of the students and organises special Programmes to cater to differential learning needs of the student

Response:

Student representation is diverse not just in terms of regional and linguistic aspects but also their level

and pace of comprehensibility. Since, it would be inappropriate to divide a class into groups based on student's level of comprehension, classroom observation, interaction, and continuous (Minor1, Minor2, Assignments, and Tutorials) and periodic assessment (MSE1, MSE2, and ESE) are used as a measuring system to assess the learning levels of the students.

KITS central monitoring systems (Dean Academics) and the Departments prepare the schedule for organizing remedial classes for slow learners. Teachers are able to give one-to-one attention in tutorial and remedial classes and focus on individual. The departments use monitoring and mentoring to keep track of slow learners' progress. Along with teachers, some advanced learners are encouraged to mentor weak students and help them with explanations and notes. Revision classes and counseling sessions are held and additional teaching is taken up if required.

Special activities for slow learners:

1. Bridge courses in basic programming, mathematics, and communication skills are conducted for lateral entry students to fill the gap between diploma and engineering
2. Remedial classes/extra classes are conducted for slow learners who secured less marks in minor examinations and Mid-semester examinations
3. Special attention/counseling by the counselors
4. Faculty members across various departments identify students who may be academically challenged and offer them mentoring support.
5. During parent-teacher meetings, faculty members engage with parents to identify the reasons behind a student's academic struggles and address them effectively.
6. Tutoring by peers and mentors is offered. Corrected assignments and answer scripts are shared with each student and discussed to improve.

Advanced learners are encouraged to study Recommended Readings listed in each syllabus. Gold Medals are awarded to the toppers in the Institute Graduation day. Meritorious students are included as members of Committees. Training and Placement Cell invites Companies and also provides training in interview skills and communication skills. Proficiency in English classes and Personality Development programs are organized to enhance the employability of the students.

Online resources (video lectures, tutorials, handouts, PPTs, assignments, and tutorials along with solutions) are made available to strengthen the knowledge base. Students are encouraged to participate in seminars, conferences, and workshops to gain knowledge. Mini projects and major projects are allotted to the student's different levels of students.

The faculty of the Institute focuses on advanced learners in the following aspects:

1. Advanced learners are guided by faculty to go for additional courses with self-learning like NPTEL, MOOCs, encouraged for (i) self-learning at final year, (ii) Acceleration Programme and (iii) Open and Professional Electives (OE & PE) through MOOCs
2. Exposed to new technologies like IoT, AI & ML, Data science, etc.
3. Encouraged to participate in competitions, Smart India Hackathon Smart City Hackathon, challenges, coding contests, etc.
4. Students are encouraged to be members of professional bodies like IETE, IEEE, CSI, IEI, SAE
5. Advanced learners are permitted to take Honors and Minors in subsequent years.
6. Advanced learners are encouraged for Competitive Examinations.

Remedial	&	Makeup
Link: https://drive.google.com/file/d/1C3mYwlqf0dM2o-bHIJU0dauThSvfgVqy/view?usp=sharing		
File Description	Document	
Upload Any additional information	View Document	
Provide link for additional information	View Document	

2.2.2

Student - Full time teacher ratio (Data for the latest completed academic year)

Response: 15.7

File Description	Document
List showing the number of students in each of the programs for the latest completed academic year across all semesters	View Document
Certified list of full time teachers along with the departmental affiliation in the latest completed academic year.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.3 Teaching- Learning Process**2.3.1**

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experience and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

- The Institute practices a teaching methodology that focuses on imparting education through a student-centric approach (after completion of a lecture in class, students are encouraged to discuss the topic and asked to solve lecture-level problems. At the end students are asked to summarize the lecture). This methodology helps to transform students from being relegated to the role of passive recipients to active and involved stakeholders, apart from boosting their confidence and encouraging independence.
- For every course **Outcome Based Lecture Scheduled (OBLS)** is prepared and shared to students at the beginning of the semester.
- **CourseWeb** - the learning management software (LMS) is used. In this CourseWeb, OBLS and

session wise summaries are made available for the students in order to support OBE.

- **Tutorial classes** are scheduled for every course. Tutorials are held for every course to help the students by solving more problems making the students to solve on their own by discussing, allowing the students to present a seminar on a topic.
- Problem solving methodologies are employed through Tutorial classes and **Program based Assignments**.
- **Experiential Learning:** In the laboratories, student involve in designing, making connections, performing experiments and verifying the results. This helps students to develop practical skills, team work and record writing. Industrial Visits Field works, Industry Oriented Mini Projects/ Case studies Community Outreach Programme and Internships provide experiential learning to the students. Courses like workshop, Engineering drawing, English language lab support the students to enhance their drawing skills, model building and communication skills.
- **Participative Learning:** Expert Talks, Workshops, seminars, MOOCs, Group Discussions and Role plays .
- **Course Project work will be** carried out by interested students related to course.
- Mini project and major project work helps the students to do a practical/hardware/simulation work as a single/team and employ suitable problem solving methods and contribute to develop a hardware/software product.

File Description	Document
Upload any additional information	View Document
Provide Link for Additional Information	View Document

2.3.2

The institution adopts effective Mentor-Mentee Schemes to address academics and student-psychological issues

Response:

The institute provides an effective Mentor-Mentee Scheme through a student support centre named Student Mentoring and Career Guidance (SMCG) Cell. The cell functions with a prime objective to mentor and provide career guidance to the students. It facilitates the students with mentoring through faculty who act as counsellors to help and guide them in their endeavours and career paths. The cell empowers the students through faculty counselling to address the academic and family concerns/pressures of the students and motivates them to be regular to the classwork and maintain good attendance. Some of the students may be from rural back ground and such students face a real difficulty in adjusting to the new environment. The mentors play a vital role in providing guidance, encouragement and a psychological support to the mentees.

The SMCG cell releases list of counsellors/mentors and counselees/mentees lists at the beginning of every academic year for the newly admitted students. Four to five students will be allotted to each faculty member. The assigned faculty member will act as mentor for the allotted students throughout their study at the campus. In every semester, an exclusive time slot named “Meet Your Counselor” (MYC) will be

allocated in the time table for the students to meet their respective counsellors.

Every faculty member of the institute is an active mentor and takes up the following responsibilities

- Counsel the students every week during Meet Your Counselor slot
- The faculty member who acts as counsellor maintains a Counseling record book for each counselee in which personal details of the students including their address, contact numbers, overall academic performance and progress is regularly updated. It will help the mentor in monitoring the academic growth of the students.
- Continuously monitor the attendance and marks in college management software(CMS), counsel, guide, and motivate the students in all academic matters.
- Advise students regarding choice of electives, projects, summer training, etc.
- Contact parents/guardians if the situations demand such as academic irregularities, negative behavioral changes, and interpersonal relations, detrimental activities, etc.
- Advise students in their career development/professional guidance.
- Maintain contact with the students even after their graduation.
- Intimate HoD and suggest for any administrative action.
- Maintain a detailed progressive record of the student.
- Provide Professional Guidance to the counselees regarding professional goals, selection of career, higher education.
- Provide guidance to the counselees regarding self-employment opportunities, entrepreneurship development, moral, honesty and integrity required for career growth
- Provide guidance to the counselees regarding dress code, morals, ethics and academic integrity

File Description	Document
Upload any additional information	View Document
List of Active mentors	View Document
Provide Link for Additional Information	View Document

2.3.3

Preparation and adherence of Academic Calendar and Teaching plans by the institution

Describe the Preparation and adherence to Academic Calendar and Teaching plans by the institution.

Response:

Academic Calendar:

The Dean for Academic Affairs in consultation with the Principal, Coordinator of the Internal Quality Assurance Cell, Controller of Examinations, and other officials, prepares the Academic Calendar for the effective functioning of the Institution.

The **Academic Calendar** ensures well-functioning of the Institution. The Calendar includes the details of all the working days with day order, holidays, dates of the Continuous Internal Assessment Tests, Summative Examinations, dates to remit the College and Examination Fee, list of activities of the academic year, and the dates of national as well as religious importance. The calendar of programmes is printed in the handbook and distributed to all students at the beginning of the academic year. The same is also uploaded on the website. The institution carries out the activities as per the calendar.

The **Departments and other service units** prepare their activities and programme calendar (OBLS- Outcome Based Lecture Schedule) resonating with the calendar of common programmes. It helps micro-level planning by scheduling most of the activities in advance and maximising the use of infrastructure.

The handbook contains the **Curriculum Structure** for both UG and PG Graduate programmes, giving the students a clear picture of the programmes and courses like Languages, Major Course, the list of Non-Major Electives, Skill- Based Electives, Foundation Courses, and Soft Skills, and Bridge Courses, open elective courses and elective courses.

Teaching Plan:

KITS Warangal has a well-defined unitized syllabus with a time - frame that is provided to the students at the beginning of the course. The course teachers prepare **unit-wise teaching plans and class-wise teaching plans to meet course outcomes**, describing timescales, teaching aids, methods of teaching-learning, and assessment of the same. The teaching plan for each course visualizes the plan of the teacher to make each class more informative, interesting, analytical, and resourceful. A teaching plan creates a self-informed and self-monitored innovative teacher, and it provides a plan of action for the teacher and guidance for the students.

The faculty is encouraged to update the methods of teaching and evaluation, especially of the use of **ICT-enabled tools** and facilities. The course teachers are assess the learning ability of the students periodically based on their respective teaching plans, it helps both the teacher and the learners

The process of academic planning and monitoring will be carried out through a systematic procedure as described below

- 1.Preparation of the Institute Academic Calendar by Dean Academics
- 2.Allocation of courses to faculty based on electives considering the student choices, faculty choices, and their expertise
- 3.Preparation of all timetables (Class/ Class Room/ Lab and faculty timetables):
- 4.Preparation of OBLS (Teaching Plan), CDLL, and CO allocation as per the Table of Specifications (ToS)
- 5.Curriculum Delivery (Theory and Practical Sessions).
- 6.Teaching Plans: KITSW adopted a new procedure integrating into teaching-learning process which is called Innovation Incubation Research and Entrepreneurship (I2RE).
- 7.Academic Monitoring: HOD, Principal, and Dean Academics will monitor the progress of syllabus coverage and necessary corrective actions will be taken for filling the gap.

File Description	Document
Upload any additional information	View Document
Provide Link for Additional Information	View Document

2.4 Teacher Profile and Quality

2.4.1

Average percentage of full time teachers appointed against the number of sanctioned posts year wise during the last five years

Response: 100

2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
292	263	251	262	235

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts).	View Document
Provide the relevant information in institutional website as part of public disclosure	View Document
Institutional data in the prescribed format (data template merged with 2.4.3 and 2.4.4)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.2

Percentage of full time teachers with Ph.D./D.Sc. / D.Litt./ L.L.D during the last five years

Response: 47.01

2.4.2.1 Number of full time teachers with *Ph.D./D.Sc. / D.Litt./ L.L.D* during the last five years

Response: 181

File Description	Document
List of faculty having Ph.D./D.Sc. / D.Litt./ L.L.D along with particulars of the degree awarding university, subject and the year of award per academic year.	View Document
Institutional data in the prescribed format (data template merged with 3.2.3 and 3.4.2)	View Document
Copies of Ph.D./D.Sc. / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.3

Average teaching experience of full time teachers (Data to be provided only for the latest completed academic year, in number of years)

Response: 13.26

2.4.3.1 Total teaching experience of full-time teachers as of latest completed academic year

Response: 3871

File Description	Document
Institutional data in the prescribed format (data template merged with 2.4.1 and 2.4.4)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.4

Percentage of full time teachers working in the institution throughout during the last five years

Response: 76.17

2.4.4.1 Number of full time teachers worked in the institution throughout during the last five years:

Response: 179

File Description	Document
Institutional data in the prescribed format (data template merged with 2.4.1 and 2.4.3)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1

Average number of days from the date of last semester-end/ year- end examination till the last date of declaration of results during the last five years

Response: 54.2

2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
50	54	66	45	56

File Description	Document
Result Sheet with date of publication	View Document
Policy document on Declaration of results (if any)	View Document
Institutional data in the prescribed format (data template)	View Document
Exam timetable released by the Controller of Examination	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5.2

Percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years

Response: 0

2.5.2.1 Number of complaints/grievances about evaluation year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	0	0

2.5.2.2 Number of students appeared in the examination conducted by the institution year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
4511	4346	4411	4688	4386

File Description	Document
List of students who have applied for re-valuation/re-totaling program wise certified by the Controller of Examinations year-wise for the assessment period.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5.3

IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA)/Formative Assessment have brought in considerable improvement in Examination Management System (EMS) of the Institution

Describe the examination reforms with reference to the following within a minimum of 500 words

- **Examination procedures**
- **Processes integrating IT**
- **Continuous internal assessment system**

Response:

EXAMINATION PROCEDURES:

The Cumulative Grade Point Average (CGPA) system has been introduced during the academic year 2014-15. Bar-coded answer booklets have been introduced. The answer booklets with Bar-coded and student-specific (personalized) OMR sheets are issued to the students. Additional answer booklets are dispensed with, by the introduction of single 32-page answer booklet. Revaluation system has been introduced as a measure of grievance-redressal. Jumbling system of seating arrangement has been introduced. In this system no two students of the same discipline will be seated consecutively in any

given column. New seating plan is generated every day and is displayed 30 minutes before the commencement of the examination.

PROCESSES INTEGRATING INFORMATION TECHNOLOGY:

The Information Technology is used for integrating various processes related to the examinations as detailed hereunder. The College Management System (CMS) software is utilized to post all the examination-related information like Assignments, marks secured by the students (in Assignments and MSEs). The students and their parents have the access to this entire information posted in CMS. Examination fee notification, schedules of examinations (MSE and ESEs), results of ESEs, schedule for revaluation process is posted in the institute website. This Institute has tied-up with dBase Solutions to ensure 100% automation of examination related processes. A separate server exclusively for the Examination Branch is available in the examination branch to store and retrieve any examination-related data pertaining to any student. The online payment of examination(s) fee and online registration for the examination(s) (regular and supplementary) have been introduced and being implemented successfully.

IT integration has been done in Examination Branch for:

- 1) IT Integration for Online Fee Payments
- 2) IT Integration for End Semester Examination Fee Payments
- 3) IT Integration for downloading Hall Tickets
- 4) Paytm QR Code
- 5) IT Integration for Continuous Internal evaluation (Assessment)
- 6) IT Integration for Evaluation (for End Semester Examinations)
- 7) IT Integration for Display of Results

CONTINUOUS INTERNAL ASSESSMENT SYSTEM:

Examination Reforms by the College:

In line with the objective of examination reforms to make it an instrument for good education, the following activities are being followed at this institute.

Increasing weightage of marks for continuous internal assessment from 30% to 40%. Continuous internal assessment is carried out in the form of Minor Examinations, Mid Semester Examinations (MSE), Assignments and Special assignments (SA) respectively.

End Semester Examination (ESE) assessment given to 60% weightage.

To have validity and reliability, the questions papers for mid-term and End semester exams are prepared according to Table of Specifications (ToS) by targeting the CO at appropriate CDLL. 'Guidelines for setting quality question paper' have been issued and circulated among all the faculty members for ensuring quality questions so as to test the students knowledge in defined cognitive domain levels.

DIGITAL EVALUATION THROUGH ON SCREEN MARKING:

Implementing on-screen valuation of B.Tech., M.Tech., and M.B.A. answer scripts.

ASSESSMENT AND ATTAINMENT CALCULATIONS FOR OUTCOME BASED EDUCATION:

As per the Institutes emphasis on most significant aspect of “Outcome Based Education (OBE)”, examination branch ensuring assessment and attainment calculations of program outcomes (POs),course outcomes (COs), cognitive domain learning level (CDLL) outcomes on the results attained by the student.

File Description	Document
Upload any additional information	View Document
Provide links as Additional Information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

The institution has stated learning outcomes (programme and course outcome)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents and the attainment of the same are evaluated by the institution

Response:

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by the department offering the concerned program after rigorous consultation with all faculty and the stakeholders. After formulation of POs, PSOs and COs the same are widely propagated and publicized through various means such as display and/or communication specified hereunder.

1. Website
2. Curriculum /regulations books
3. Class rooms
4. Department Notice Boards
5. Laboratories

Program Outcomes (PO) are broad statements that describe the professional accomplishments that the program aims at POs are to be attained by the students by the time they complete the course. The syllabus prominently displays the course objectives and course outcomes. The syllabus also provides information about the scheme of instruction and evaluation.

POs relate to the skills, knowledge, and behavioral traits, the students need to acquire during their graduation. The Program Specific Outcomes (PSO) are the specific requirements to be met and the specific accomplishments to be fulfilled by the students relevant to their program of study.

POs, PSOs, and COs are communicated to the teachers and students. Attainment of program outcomes and course outcomes are evaluated by the institution. Assessment of learning outcomes is carried out using data collected from direct and indirect methods.

1. The direct method includes the following:

- Assessment of theory courses, through internal examinations and end-semester examinations. Assessment of laboratory course, Assessment of Project work is also by internal examinations and end-semester examinations,

2. The indirect method includes the course end survey and student exit survey.

The overall attainment of the PO is calculated by both direct and indirect assessment; this overall attainment level is compared with the expected level. If the expected attainment level is reached then it is attained.

KITSW has devised and revised all its educational programmes to include graduate attributes so when a student graduates they are equipped with discipline knowledge, critical thinking, problem-solving ability, communication skills, and digital capability. The syllabi of programmes on offer are the testimony to whatever is stated. The revision of the syllabus and the incorporation of new subjects in line with the market requirements suggest how KITSW has prioritized discipline knowledge as first and foremost in learning outcomes and graduate attributes.

File Description	Document
Upload POs and COs for all courses (exemplars from Glossary)	View Document
Upload any additional information	View Document
Provide links as Additional Information	View Document

2.6.2

Pass percentage of students (excluding backlog students) (Data for the latest completed academic year)

Response: 91.96

2.6.2.1 Total number of final year students who passed the examination conducted by Institution during the latest completed academic year:

Response: 1075

File Description	Document
Institutional data in the prescribed format (data template)	View Document
Certified report from the COE indicating the pass percentage of students of the final year (final semester) eligible for the degree program-wise / year wise	View Document
Annual report of Controller of Examinations (COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response:

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1

The institution's research facilities are frequently updated and there are well defined policy for promotion of research which is uploaded on the institutional website and implemented

Response:

To encourage research among the faculty, the Institute has the facility of granting study leave, reimbursing a part of the expenditure incurred in establishing the experimental set-ups for their research and deputing the faculty to national/International conferences with complete registration fee, TA & DA. Presently the R&D Cell is taking care of:

1. Creation of eco system for innovative and quality research and development environment on the campus
2. Setting up new research centres recognized by Kakatiya University, Warangal and renewal of the existing ones
3. Administration of research scholars joining in various research centres of the institution
4. Encourage the faculty to apply for Faculty Research Incentive Scheme (FRIS) and Faculty Research Support Scheme (FRSS) to publish research in high quality Non-Paid SCI / SCOPOUS Indexed Journals.
5. Supervise the faculty in submitting research projects to various funding agencies
6. Facilitate the Faculty / Staff / Students using AntiPlagiarism (Turnitin) Software
7. Submission of research proposals prepared by faculty members and students to various funding agencies
8. Preparation of annual R&C brochure
9. Setting up new centres of excellence in various departments
10. Authentication of originality in project/thesis reports and paper publications with anti plagiarism software
11. Annual budget preparations for their approvals

File Description	Document
Upload any additional information	View Document
Provide links as Additional Information	View Document

3.1.2

The institution provides seed money to its teachers for research

Response: 28.51

3.1.2.1 Amount of seed money provided by institution to its teachers for research year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
0	4.48	16.98	0	7.0466

File Description	Document
Sanction letters of seed money to the teachers is mandatory	View Document
List of faculty who have been provided with seed money for research along with the title of the project, duration and amount year-wise	View Document
Institutional data in the prescribed format (data template)	View Document
Audited Income-Expenditure statement highlighting the expenditure towards seed money endorsed by the Finance Officer	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.1.3

Percentage of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the last five years

Response: 1.3

3.1.3.1 Number of teachers who received national/international fellowship /financial support by various agencies, for advanced studies / research; year-wise during the last five years

Response: 05

File Description	Document
List of teachers who have received the awards along with nature of award, the awarding agency etc.	View Document
Institutional data in the prescribed format (data template)	View Document
E-copies of the award letters of the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.2 Resource Mobilization for Research

3.2.1

Total Grants research funding received by the institution and its faculties through Government and non-government sources such as industry, corporate houses, international bodies for research project, endowment research chairs during the last five years (INR in Lakhs)

Response: 377.31328

File Description	Document
List of Extramural funding received for research, Endowment Research Chairs received during the last five years along with the nature of award, the awarding agency and the amount	View Document
Institutional data in the prescribed format (data template is merged with 3.2.2)	View Document
Copies of the letters of award for research, endowments, Chairs sponsored by non-government sources	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.2.2

Number of research projects per teacher funded by government, non-government, industry, corporate houses, international bodies during the last five years

Response: 0.04

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

Response: 17

File Description	Document
List of project titles with details of Principal Investigator, amount sanctioned and sanctioning agency etc	View Document
Institutional data in the prescribed format (data template merged with 3.2.1)	View Document
Copies of the grant award letters for research projects sponsored by government agencies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.2.3

Percentage of teachers recognised as research guides as in the latest completed academic year

Response: 4.45

3.2.3.1 Number of teachers recognised as research guides as in the latest completed academic year:

Response: 13

File Description	Document
Upload copies of the letter of the university recognizing faculty as research guides	View Document
Institutional data in the prescribed format (data template merged with 2.4.2 and 3.4.2)	View Document

3.3 Innovation Ecosystem

3.3.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

The KITSW has created eco system for innovation and undertaking initiative for creation of transfer of knowledge to the community. It has established centre for Innovation, Incubation, Research & Entrepreneurship. It has established 5 different centres

1. AICTE IDEA Lab

2. Institution Innovation Council (IIC)
3. MSME (Micro Small Medium Enterprise) Business Incubation
4. Entrepreneurship Development Cell (EDC)
5. National Innovation Start-up Policy (NISP)

The college has strengthened its research infrastructure by obtaining funds to create conducive research environment and promote research works on the campus. Specialized research equipments and Central research facilities were established.

AICTE IDEA Lab

AICTE has launched a scheme for establishing AICTE-IDEA (Idea Development, Evaluation & Application) Lab in its approved institutions for encouraging students for application of Science, Technologies, Engineering and Mathematics (STEM) fundamentals towards enhanced hands-on experience and learning by doing. Under AICTE Idea Lab the institute was selected for establishing Lab equipments with the fund of Rs. 1.23 Cr. Advanced equipments were procured to strengthen and upgrade available facilities to conduct advanced research. AICTE IDEA Lab develops critical thinking and complex problem solving abilities to take up challenging tasks among the students of the institution.

Institution Innovation Council (IIC)

To systematically foster the culture of Innovation among the students, IIC was established. IIC conducts competitions and workshops to encourage startups by students. Students are encouraged to participate in Hackathons/Club Activities.

MSME (Micro Small Medium Enterprise) Business Incubation

MSME (Micro Small Medium Enterprise) Business Incubation was setup to submit innovative ideas to funding agencies and to develop incubation ecosystem in-house and external incubates and startups. Furthermore MSME incubation centre helps to explore funding agencies and support innovative ideas of individual and adopt latest technologies. Dr. V. Raju Reddy, Asst. Prof of ECE, received a fund of Rs 16.4 lakhs for his innovative project- Real Time Parking space identification using Computer Vision in Smart Cities, from MSME-Business Incubator. Mr. B. Raghunath, Final year Mechanical student and his team, received a fund of Rs 15 lakhs for his innovative project- Design and fabrication of reaper and binder machine for Leafy vegetables, from MSME-Business Incubator. Mr. B. Nagarajuna and his team was among the top 3 contestants of National Level Hackathon organized by MIC, Smart India Hackathon – 2022 & exhibited their solution for the problem statement in the final round.

Entrepreneurship Development Cell (EDC)

The institute has established Entrepreneurship Development Cell (EDC) to create an environment for self-employment and entrepreneurship development through formal and non-formal programmes on fulltime / part-time basis for final year students, alumni, educated unemployed and working professionals. To introduce the concept of entrepreneurship in curricula in degree and PG levels. EDC helps to develop management personnel at appropriate levels for the non-corporate and unorganized sectors like rural

development and small-scale industry. Furthermore, EDC is utilized to create infrastructural facilities and technically trained manpower for the development of non-corporate and unorganized sectors. And it also promotes employment opportunities.

National Innovation Start-up Policy (NISP)

The college has recognized host centre for NISP. Through NISP, human resources and incentive support for startups are encouraged. And also IP ownership rights for technologies development and transfer is done.

File Description	Document
Upload any additional information	View Document
Link for Any other additional information	View Document

3.4 Research Publications and Awards

3.4.1

The Institution ensures implementation of its stated Code of Ethics for research.

The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following:

- 1. Inclusion of research ethics in the research methodology course work**
- 2. Presence of institutional Ethics committee (Animal, Chemical, Bio-ethics etc.)**
- 3. Plagiarism check through software**
- 4. Research Advisory Committee**

Response: A. All of the above

File Description	Document
Institutional data in the prescribed format (data template)	View Document
Copy of the syllabus of the research methodology course work to indicate if research ethics is included	View Document
Constitution of the ethics committee and its proceedings as approved by the appropriate body	View Document
Constitution of research advisory committee and its proceedings as approved by the appropriate body.	View Document
Bills of purchase of licensed plagiarism check software in the name of the HEI	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4.2

Number of candidates registered for Ph.D per teacher during the last five years

Response: 3.46

3.4.2.1 Number of candidates registered for Ph.D during the last 5 years:

Response: 45

File Description	Document
Ph.D. registration letters/Joining reports of candidates.	View Document
Letter from the university indicating name of the Ph.D. student with title of the doctoral study and the name of the guide.	View Document
Institutional data in the prescribed format (data template merged with 2.4.2 and 3.2.3)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4.3

Number of research papers published per teacher in the Journals as notified on UGC CARE list during the last five years

Response: 1.21**3.4.3.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

Response: 466

File Description	Document
Institutional data in the prescribed format (data template)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to the uploaded papers, the first page/full paper (with author and affiliation details) on the institutional website	View Document
Links to the paper published in journals listed in UGC CARE list	View Document
Link re-directing to journal source-cite website in case of digital journals	View Document

3.4.4**Number of books and chapters in edited volumes published per teacher during the last five years****Response:** 0.21**3.4.4.1 Total Number of books and chapters in edited volumes published during the last five years**

Response: 82

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format (data template)	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4.5

Bibliometrics of the publications during the last five years based on average Citation index in Scopus/ Web of Science**Response:** 0

File Description	Document
Bibliometrics of the publications during the last five years	View Document
Any additional information	View Document

3.4.6***Bibliometrics of the publications during the last five years based on Scopus/ Web of Science – h-index of the Institution*****Response:** 0

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document
Any additional information	View Document

3.5 Consultancy**3.5.1****Revenue generated from consultancy and corporate training during the last five years****Response:** 138.31**3.5.1.1 Total Amount generated from consultancy and corporate training year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
16.749355	16.121075	23.22565	26.83421	55.3829674

File Description	Document
Letter from the corporate to whom training was imparted along with the fee paid.	View Document
Letter from the beneficiary of the consultancy along with details of the consultancy fee	View Document
Institutional data in the prescribed format (data template)	View Document
CA certified copy of statement of accounts as attested by head of the institution	View Document
Audited statements of accounts indicating the revenue generated through corporate training/consultancy.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.6 Extension Activities

3.6.1

Outcomes of extension activities in the neighbourhood community in terms of impact and sensitizing the students to social issues and holistic development, and awards received if any during the last five years (Showcase at least four case studies to the peer team)

Describe the impact of extension activities in sensitising students to social issues and holistic development with four case studies within a maximum of 500 words

Response:

KITSW proudly conducts many extension activities for the benefit of surrounding community. KITSW strongly believes that extracurricular activities will open avenues for the students to make social participation and contribute for the social empowerment.

AIMS AND OBJECTIVES OF NSS:

- To develop competence required for group-living and sharing of responsibilities
- To gain skills in mobilising community participation
- To acquire leadership qualities and democratic attitude
- To develop capacity to meet emergencies and natural disasters
- To practice national integration and social harmony
- To understand the community in which they work
- To understand themselves in relation to their community.
- To identify the needs and problems of the community and involve them in problem solving

process.

- To develop among themselves a sense of social and civic responsibility.

Under the aegis of NSS, KITSW has conducted following programmes involving the student volunteers:

- Swatch Bharath,
- Vanam Manam (Tree plantation program),
- Legal awareness programme,
- Blood Donation camp,
- Clean and Green,
- Voter's Enrollment
- Webcasting state Assembly and parliament
- Ban Plastic

Awards received:

- Based on the services by NSS club, KITSW., every Academic Year our institute has received Best Service Award From District Collector of Warangal, Telangana State
- Our institute received 15 awards for NCC activities and 8 awards for NSS activities during the assessment years

Activities organized by NCC:

Rock Climbing and Trekking Camps: These camps take cadets to challenging terrains, teaching them resilience, teamwork, and the thrill of conquering nature's obstacles. Scaling heights and trekking through rugged paths, cadets learn the importance of determination and perseverance.

Thal Sainik Camp (TSC): TSC serves as a testing ground for cadets' skills and endurance. It challenges their physical and mental faculties, refining their military acumen and strategic thinking.

Republic Day Camp (RDC): Participating in the RDC in New Delhi is a matter of immense pride. Cadets showcase their discipline, marching in perfect synchrony, and display their talents, leaving an indelible mark on the grand event.

Advance Leadership Camp: This camp hones leadership skills, focusing on decision-making, crisis management, and effective communication. Cadets emerge not just as leaders but as empathetic individuals, understanding the nuances of human behavior.

CATC (Combined Annual Training Camp) and ATC (Annual Training Camp): These camps provide basic military training, emphasizing discipline, weapon handling, and physical fitness. They lay the foundation for future endeavors, nurturing cadets into responsible citizens.

Firing Camp: Here, cadets learn the art of marksmanship, imbibing precision, concentration, and responsibility. Safety and accuracy are paramount, instilling in them a profound respect for firearms.

SSB Camp and EBSB Camp: These camps simulate the Service Selection Board (SSB) process, preparing cadets for officer selection interviews. The EBSB (Enhanced Batch for SSB) camp refines their personality, ensuring they present their best selves.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

3.6.2

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community year wise during the last five years

Response: 85

3.6.2.1 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community year wise during the last five years.

2022-23	2021-22	2020-21	2019-20	2018-19
19	13	22	18	13

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format (data template)	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.7 Collaboration

3.7.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years

Response: 16

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format (data template)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for

- 1. teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- 2. ICT – enabled facilities such as smart class, LMS etc.**
- 3. Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc.**

Response:

Infrastructure Deatails:

Teaching – learning, viz., classrooms, laboratories, computing equipment etc

- 1.Total land available (in acres) : 65 Acres 04 Guntas
- 2.Class Rooms (No. of class rooms and covered area in sq. Ft.) : 84 & 51,932 Sq. Ft.
- 3.Laboratories (No. of labs rooms and covered area in sq. Ft.): 96 Laboratories (For **the academic year 2022-2023 the i2RE building with 5 Labs & Block-7 building with 15 Labs are constructed and brought to use**)
- 4.Central Library: Total Area : 12,497 sq.ft.
Whether reading room available? YES, with an area of **2,160 sq.ft.**

ICT – enabled facilities such as smart class, LMS etc.

- 78 class rooms and 03 Seminar halls with ICT facility
- 03 Drawing halls and 01 Workshops
- 96 laboratories across all departments Computing facilities as per the norms
- Internet through LAN and Wi-Fi facility across the campus including hostels 150 access points for
- Wi-Fi connectivity
- Office 365 (Microsoft Teams) for online teaching Licensed software, Proge CAD, Solid works,
- NILABVIEW, Cadence Tool, ANSYS, MATLAB, e-CAD, and open source software
- Dedicated Research laboratories for all departments

The institute has adequate number of class rooms and laboratories as per AICTE norms to continue with any academic activity. Further, every department is equipped with their own computing resources as well as departmental library. KITSW having 3 seminar halls with internet and LCD projectors to conduct faculty and student development programs.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc.

The institution is committed to motivate students for participating in various extra curricular activities by ensuring consistent motivation, sports complex was spread with an area of 54,000 Sq.mts with necessary facilities and adequate funds are allotted. The Sports and Cultural Committees supervise the extracurricular activities. The institution is having a separate Physical Education Department with qualified Physical Director to train the students and to promote interest in Sports and Games. Gymnasiums with required facilities are made available to the boys and girls separately to keep their body fit. Daily 250 to 300 students are utilizing the ground facilities. A number of yoga classes are conducted in the campus through qualified trainers from outside. Facilities for Cultural Activities: A separate cultural hall provides ample opportunity to the students to nurture their musical bent of mind. Training for the following instruments is arranged by external experts: Maddela, dholak, veena, violin, kanjeera, pads and keyboard Institution is striving to fulfill the axiom “Student needs healthy body and sound mind” through institute’s yoga center. A trained GURU imparts techniques to tame the body and mind. The college has an auditorium and is used for conducting all types activities related to students as well faculty, SUMSHODHINI AND SANSKRITHI day celebrations.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

4.1.2

Percentage of expenditure excluding salary, for infrastructure development and augmentation year wise during the last five years

Response: 57.68

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
1812.64035	736.24893	323.32363	515.20710	572.21911

File Description	Document
Institutional data in the prescribed format (data template is merged with 4.2.2 and 4.4.1)	View Document
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

“Library is a growing organism” said Dr. S.R. Ranganathan, Father of Library Science in India. The library of our Institute has followed this precept faithfully and has grown from strength to strength in the past four decades.

Library Automation: The library software was developed by Department of CSE. Some of the library functions like circulation, OPAC and office functions have been computerized. The concerned software is developed by within the Institute by the library and department of CSE staff. Bar-coding technology has been introduced at circulation counter.

The Central Library supports the teaching learning program of the Institute. It provides reading & lending facility to the users. It is located in the ground floor of Block II.. It has a collection of 86,872 books with 16,605 Titles, back volumes, pamphlets, standards, CD-ROMs, Video cassettes etc. It receives 156 National and International Journals and provides **Remote access (through Knimbus platform)** to 9358 – E Journals, 6022 – E-Books, 50866- Journals & Articles thorough AICTE recommended Journal Subscriptions.

The institute has the subscription of AICTE recommended E-Journals package with which we can access E-Journals & E-Books of ASCE, ASME, ELSEVIER-Science Direct, IEEE, Springer Links, J-GATE (S&MS), Taylor & Francis, NDL and N-List.

FACILITIES & SERVICES:

- Remote Access facility for E-resources.
- Library Automation with Barcode facility

- OPAC (Online Public Access Catalogue)
- Reading room with 12 newspapers and 24 magazines
- Reference section with 156 technical journals, back volumes & reference books.
- Open Access System
- Books shelved according to Call Numbers based on DDC, Editions 19-20
- Book Bank facility for SC & ST Students
- Reprographic facility
- Bar-coding of Books
- Issue of Bar Coded Identity Cards
- Digital Library with 25 Computers
- Conduct Library orientation programmes and workshops
- NPTEL Laboratory with DLP Projector & Screen

E-Journals Link: <https://www.kitsw.ac.in/Library/e-journals.html>

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

4.2.2

Percentage of expenditure for purchase of books/ e-books and subscription to journals/e-journals year wise during the last five years

Response: 2.64

4.2.2.1 Expenditure for purchase of books / e-books and subscription to journals/e-journals year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
33.53637	38.54456	36.93644	47.00506	24.91229

File Description	Document
Institutional data in the prescribed format (data template merged with 4.1.2 and 4.4.1)	View Document
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for purchase of books/ e-books and subscription to journals/e-journals should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

Kakatiya Institute of Technology and Science, Warangal has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities KITSW Institute is having campus network with Optical Fiber Cable (OFC) as back bone supporting different services like audio, video streaming and telephone network with 1.5Gbps one-one internet connections to all the systems. Wireless coverage for all the connected devices in entire campus is also been provided. The bandwidth was increased to 1.5Gbps from vaishnavi online and BSNL services .The entire college campus covered with 200 Wi-Fi Access points to access Internet and Intranet educational resources. The Wi-Fi facility has been extended to all the hostels connected through Wireless bridges with Fiber optic cable. All the access points are password protect. MAC filtering for device registration is applied for Wireless devices/Laptops. Protection of College IP address Web filtering option Application filtering Web policy and Filtration: The College has adapted the web policy and applied filtration forum healthy and non working websites. The websites are classified as Productive, Neutral, Unhealthy, and Non working. Productive means domain KITSW allowed sites, allowed websites banking, IRCTC, Red bus. etc. Neutral websites means Educational Institutions, Electronics, Cultural Institutions, Education and Reference Material, Health and Medicines., etc. Unhealthy means Porn, Crime and Suicide, Militancy and Extremist, Phishing and Fraud, Weapons, etc. Non Working means Blogs, Games, Finance, Entertainment, Astrology etc.

- Kakatiya Institute of Technology and Science, Warangal brings out the conditions under which access to the network and computing resources at KITSW, are granted to users. This covers all services and resources provided through KITSW, either through the institute information

technology security centre (IITSC) or through any individual department.

- The policy statements are framed in line with the guidelines of the Government of India and are subject to interpretation in the light of the existing laws of this country.
- The primary usage of IT resources is for academic and research purposes. In case of any conflict of interest, academic usage shall be given priority over non-academic requirements
- To maintain privacy and to reduce the threat of crime protecting KITSW premises and safety of all the staff members, students and visitors, the video surveillance system shall be utilized.
- The policy for replacement of provision of IT accessories such as computer/laptop/printer/router/server and other network components shall be provided by the Institute for all the emergency purposes.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

4.3.2

Student - Computer ratio (Data for the latest completed academic year)

Response: 2.64

4.3.2.1 Number of computers available for students' usage during the latest completed academic year:

Response: 1736

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.3.3

Institution has dedicated audio visual centre, mixing equipment, editing facility, media studio, lecture capturing system(LCS) and related hardware and software for e-content development

Response:

Our Institute has dedicated audio visual center , mixing equipment , video editing facility by open source softwares to address the gathering and inagural functions of various events organized by Student Activity Center (SAC). The above equipment effective utilized for the same. AVC center and mixing unit is available in auditorium. The video editing facility done by the Photography Media Club (PMC) which runs under the SAC. This PMC club plays an important role for coverage of college technical and cultural activities in the form of photographs and video recording . Under PMC club purchased a high quality Camera and video recorder equipment.

Hardware and software for e-content development:

All the faculty members have their own PCs/Laptops and our institute purchased the licensed software i.e Microsoft Teams (MS Teams) for e-content development of respective courses by the faculty of our institute. Our Institute management purchased sufficient internet bandwidth i.e 1.5Gbps. Almost all the classrooms are provided with the ICT facilities. Making use of the available freeware's, faculty members are effectively delivering the content to the students in the blended mode.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years

Response: 40.36

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities of DDE and total expenditure excluding salary, year - wise, over the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
835.73637	553.05887	346.35762	536.75038	498.36198

File Description	Document
Institutional data in the prescribed format (data template merged with 4.1.2 and 4.2.2)	View Document
Audited income and expenditure statement of the institution to be signed by CA and counter signed by the competent authority (relevant expenditure claimed for maintenance of physical facilities and academic support facilities should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4.2

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

Describe policy details of systems and procedures for maintaining and utilizing physical, academic and support facilities within a maximum of 500 words

Response:

The Institute adopts regular maintenance of the infrastructure periodically

S.No.	Details	Maintenance System	Maintenance cycle	Remarks
1	Buildings/Roads	<ul style="list-style-type: none"> A Contract is given for a Lump sum amount for period of one year, which involves cleaning the buildings , class rooms wash rooms , drawing halls, seminar halls, auditorium, faculty & staff rooms, hostel rooms, 	Daily	

		<p>corridors.</p> <p>The work is checked by the Assistant project office of the project office who submits a report.</p> <ul style="list-style-type: none"> • 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. 		
2	Generators	<ul style="list-style-type: none"> • Annual Maintenance Contract (AMC) is given to the manufacturer . 	Once in three months/Hours of working	
3	Electrical Installations	<ul style="list-style-type: none"> • All the electrical installations in the building premises is inspected and maintained after every semester.(Tube lights/ fans/ motors/ projectors/ cameras/AC's) 	Two times in a year.	
4	Solar Captive power plant	<ul style="list-style-type: none"> • All the solar panels are 	Twice a week	

		cleaned with water twice a week.	
5	Water Supply and storage	<ul style="list-style-type: none"> All the water storing bodies are cleaned periodically. Sumps Overhead tanks Drinking water Coolers RO water Plant (AMC) 	Once in 15 days 15 days 7 days. 90 days
6	Fire Fighting Equipment	<ul style="list-style-type: none"> All the firefighting equipment's 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 Date of Expiry

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 51.38

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
2512	2363	2209	2113	2083

File Description

Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format (data template)

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

5.1.2

Efforts taken by the institution to provide career counselling including e-counselling and guidance for competitive examinations during the last five years

Response:

Kakatiya Institute of Technology & Science, Warangal has established a strong career counsellings system to provide personalized guidance and support to students regarding their career choices and opportunities through a student support centre named "**Student Mentoring and Career Guidance**"

(SMCG) Cell. The SMCG Cell of the Institute offers guidance for various competitive examinations for Civil Services Examination, IES and GATE Exams for all the students annually. For students interested in competitive examinations, the SMCG Cell offers specialized guidance, mock tests, and study material to help them prepare effectively. The Institution primarily offers career Counseling programmes for all streams of Engineering.

The Training and Placement(T & P) Cell of the institution regularly conducts personality and aptitude assessments to help students understand their strengths, interests, and skills, which can assist them in making career decisions. The T & P Cell organizes training programmes on interview skills, recent trends in career opportunities, and training programmes on upgradation of soft-skills. Several workshops and seminars were organized on various career-related topics, including resume building, interview preparation, networking, and career planning.

The T & P Cell organises Personality Development Programs like yoga, softskill development programmes etc., CRT (Campus Recruitment Training) Classes for all the students and other programmes. The placement, training and consultancy cell

The institute works with a vision 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.

Kakatiya Institute of Technology & Science, Warangal promotes, the students with professional knowledge and skills, and various approaches to outreach, assessment, practical interaction, Counseling, curriculum, programmes and job placements, follow-up, consultation, and referral.

During and after Covid period, various departments of the institute organised many on-line programmes which aimed at the students career development. The Institution took the initiative in organizing Technical and Motivational Talks.

The institution also provides guidance through Incubation Innovation Research Entrepreneurship Cell(I2RE) on emerging technologies based on embedded systems, IT (Information Technology) Role, Software Development, IoT based Vehicles and Top Tech Trends.

Career fairs and placement events are organized by institution to bring employers and recruiters to campus, giving students a chance to explore job opportunities and gain insights into the job market

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

5.1.3

Following capacity development and skills enhancement activities are organised for improving students' capability

- 1.Soft skills**
- 2.Language and communication skills**
- 3.Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)**
- 4.Awareness of trends in technology**

Response: A. All of the above

File Description	Document
Report with photographs on programmes conducted for awareness of trends in technology	View Document
Report with photographs on programmes/activities conducted to enhance soft skills, Language & communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Institutional data in the prescribed format (data template)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee monitoring the activities and number of grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 53.44

5.2.1.1 Number of outgoing students placed and progressed to higher education during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
662	730	621	503	578

File Description

Document

Institutional data in the prescribed format (data template)

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

5.2.2

Percentage of students qualifying in state/ national/ international level examinations out of the

graduated students during the last five years

(eg: NET/SLET/ Civil Services/State government examinations etc.)

Response: 4.34**5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/Civil Services/State government examinations etc.) year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
69	56	60	28	38

File Description	Document
List of students qualified year wise with details of examination and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format (data template)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities**5.3.1****Number of awards/medals for outstanding performance in sports/cultural activities at University / state /national / international Level events during the last five years****Response:** 77**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at University / state / national / international level events (award for a team event should be counted as one) year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
14	11	0	29	23

File Description	Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format (data template)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

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

Describe the Student Council activity and students' role in academic & administrative bodies within a maximum of 500 words

Response:

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:

- One student from each section of I/IV B.Tech
- One student from each branch / section of II/IV B.Tech
- One student from each branch/ section of III/IV B.Tech
- One student from each branch/ section of IV/IV B.Tech
- One M.Tech student from each Engg. Department
- One student from MBA Program
- One student from research scholars of recognized research center
- Five students to be nominated by the Principal representing various sections of student community such as foreign students, girl students etc.,
- General Secretaries of various clubs.

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 members 3. One from nominated members from the council members

SELECTION OF STUDENTS FOR COUNCIL:

- The class representatives of various branches will be the Members of students council
- General Secretaries (B.Tech Final year students only) of various clubs are to be nominated by the Faculty Advisors of the club concerned.
- All the student council members will elect the office bearers of student council from among them.
- After the office bearer elections, the student's council is constituted by the order of the principal on the recommendations of the Dean Students affairs.
- Dean Student's affairs decision is final in this regard.

DUTIES AND RESPONSIBILITIES OF THE COUNCIL:

- Prevention of ragging in the campus through counseling senior students, helping the administration whenever necessary.
- Helping the administration in smooth conduct of student activities on the campus.
- Smooth conduction of Annual sports day, Graduation day, Cultural fest (SANSKRITI), Technical fests etc.,
- Suggesting the administration to improve the student amenities to improve their career and personality building.
- Guiding the junior and needy students to improve their technical, organizational and managerial skills by organizing seminars/symposia/Workshops etc.,
- Encouraging innovative and creative skills of the under graduate and post graduate students.
- Organize the programs in the campus to improve the cleanliness and greenery in the campus.
- Any activity to improve the knowledge and skills of the campus students.
- Conduct expert lectures from eminent persons in the society for personality development, career development, Skill development and broaden their vision.
- Maintenance of the peace and harmony among campus community in general and student community in particular.
- All the council members are required to co-operate with Dean Students affairs for the smooth functioning of the programs.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

5.3.3

The institution conducts / organizes following activities:

1. Sports competitions/events
2. Cultural competitions/events
3. Technical fest/Academic fest
4. Any other events through Active clubs and forums

Response: A. All four of the above

File Description	Document
Report on Sports, Cultural competitions/events, Technical/academic fests, Any other events through active clubs and forums along with photographs appropriately dated and captioned (whichever is applicable)	View Document
List of students participated in different events year wise signed by the head of the Institution	View Document
Institutional data in the prescribed format (data template)	View Document
Copy of circular/brochure indicating such kind of activities.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.4 Alumni Engagement

5.4.1

Total Amount of alumni contribution during the last five years (INR in lakhs) to the institution through registered Alumni association:

Response: 10.03

5.4.1.1 Total Amount of alumni contribution during the last five years (INR in lakhs) to the institution year wise through registered Alumni association:

2022-23	2021-22	2020-21	2019-20	2018-19
1.325	6.0	0	2.70584	0

File Description	Document
List of alumnus/alumni with the amount contributed year-wise	View Document
Annual audited statements of accounts of the HEI highlighting the Alumni contribution duly certified by the Chartered Accountant/Finance Officer	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.4.2

Alumni contributes and engages significantly to the development of institution through academic and other support system

Describe the alumni contributions and engagements within a maximum of 500 words

Response:

Alumni Engagement:

- 1.The Alumni Association of KITSW has been formed in the year 2007 in order to fulfil 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
- 3.To update Alumni members about the activities of KITS and the Alumni association.
- 4.As a member of Board of Studies, Alumni are guiding us in academic matters i.e., designing of curriculum and syllabus of courses.
- 5.An alumnus is contributing to the institution as member of governing body academic council.
- 6.Alumni are helping in motivating guiding during Alumni Graduation Day, Orientation program, Induction program, Parent Teacher Meet and Department Association Activities.
- 7.To provide internships to students establishment of EIE Lab.
- 8.Alumni are extending financial support for building KITSW Alumni Auditorium.
- 9.Swami Vivekananda's 150th Birthday is celebrated as India's National Youth Day, This event has been sponsored by Sri K. Chandra Shekar Reddy, Oracle Corp, USA (a proud ALUMNUS of 1987-Civil, KITSW).
- 10.Our proud ALUMNI have instituted Gold Medals under various categories to the outgoing students of KITSW.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

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.

NEP Implementation:

KITSW is implementing OBE as per NEP 2020 into our curriculum, In OBE, the students, have to take the ownership of your learning to master the 21st century knowledge, skills and qualities (KSQs).

The outcome-based lecture schedule (OBLs) is designed to implement student-centered active learning pedagogy. OBLs is aimed at involving students in active learning which harness skills.

In the classroom discussions, students are actively engaged with prior preparation of content. In OBLs, students will be properly guided towards self-learning topics (SLTs), Classroom Discussion Topics (CDTs).

The students are encouraged to participate in the online courses through different online learning platforms like Coursera, SWAYAM NPTEL, UDEMY, etc.

The institute nominated faculty incharge/mentors for SWAYAM/ MOOCs online course to facilitate the online education to both students and faculty

To promote Multidisciplinary/Interdisciplinary learning the students are given an option to choose the advanced course and inter disciplinary courses through the Honor and Minor curriculum framework.

Sustained institutional growth: In order to enhance the teaching learning and research institute has adapted industry collaboration in the form of MoUs, establishing center of Excellences (CoEs), collaborative skill development programs through Innovation Incubation Research and Entrepreneurship (I2RE) center and industry-Institute Interaction (I3C) cell. To promote quality research, the institute has adapted new ARCIT policy.

Effective leadership is reflected in various institutional practices such as decentralization and participative management:

The management of the institute provides effective academic leadership to the faculty, by setting goals and involving them in participative decision-making process, not only to achieve the vision, mission and goals of the institute, but also in building the organizational culture. The Principal permits the HODs and staff members in performing freely in the academic activities and administrative programmes such as departmental activities, allotment of workload, various academic activities, association and club activities.

The College Management will provide:

- Designing Quality Policy
- Provide Budget
- Infrastructure
- Recruitment

The perspective plan for the institution is being defined based on the suggestions from IQAC, Governing Body and Academic Council. In order to achieve these goals, action plans and their implementations is carried out through Academic Advisory Committee (AAC), BoS, Administrative Committee, Deans and Heads of the departments.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies are effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

Kakatiya Institute of Technology & Science, Warangal (KITSW), established in 1980 by Ekasila Education Society (EES), Warangal, a philanthropic society, with a primary objective of providing quality technical education in the backward region of Telangana. The institute was inaugurated by former Prime Minister of India, late Sri P.V.Narsimha Rao garu.

KITSW is approved by the AICTE, New Delhi and recognized by the UGC under section 2(f) and 12(b) of UGC Act 1956. The UGC, New Delhi granted autonomous status in 2014 under KU, Warangal. It is accredited by **NAAC with A Grade (CGPA:3.21/4.0)**. The Government of India's NIRF 2022 placed KITSW in the band of 201-250. The Ministry of MSME, Government of India recognized KITSW as host Institute to setup Business Incubator. The AICTE-CII Survey of Industry linked Technical Institutes Ranked KITSW as GOLD CATEGORY Institute for the 6th consecutive year since 2015. The I3C Cell

of the Institute has collaboration and MoU with NIT, Warangal in the areas of Teaching and Learning, R&D and also with leading industries for student internships & placements.

In the next five years, we will focus our work in four areas, to ensure imparting quality education and creating industry-ready engineers.

Areas of Focus:

- Outcome based education is to be implemented in its true spirit
- Faculty should take up quality research and publish in quality journals and work for IPRs
- Faculty should integrate their research expertise in course teaching
- Expose students to innovation, incubation, research and entrepreneurial activities and make them life-long learners

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 rulebook called “**Administrative Manual**” comprises of the following heads under which the related rules are clearly defined.

Policies and Administrative Set-up:

Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies. List the governing, and all other academic and administrative bodies; their memberships, functions, and responsibilities; frequency of the meetings; and attendance there in, in a tabular form. The published rules including service rules, policies and procedures; year of publication shall be listed. Also state the extent of awareness among the employees/students. Every policy decision in academic, administrative and financial matters of the institution will be approved by the Governing Body of the Institute.

The Governing Body shall be responsible for the general superintendence, direction and control all the affairs of the Institute. Governing Body shall exercise all the powers of the Institute.

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

Leave Rules

Travelling Allowance Rules

Rules regarding the deputation of faculty members Under Quality Improvement Program and to

attend conferences, summer and winter schools etc.

File Description	Document
Upload any additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide the link for additional information	View Document

6.2.2

Institution implements e-governance in its operations. e-governance is implemented covering the following areas of operations:

- 1. Administration including complaint management**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examinations**

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:**Performance appraisal system:**

- Since inception, the Institute is in practice of getting confidential report about the performance of the teaching and non-teaching staff through their Heads of Departments/Section heads in a prescribed proforma. The proformas are being modified from time to time. After the implementation of VI pay Scales to the teaching staff of the Institute, the PBAS has been introduced as per the guidelines of the AICTE till for the A.Y 2021-22.
- Two types of Proforma are being used for this purpose (i) for Teaching Staff and (ii) for NonTeaching Staff.
- The Institute has implemented the Performance Based Appraisal System (PBAS) for the teaching staff from the academic year 2013-14 to 2021-22 as per AICTE VI Pay guideliness.
- The PBAS proforma has been revised to AICTE 360 degree feedback form as per AICTE VII pay guideliness on 10 point scale w.e.f 2022-23.
- The non-teaching performance will be evaluated on the performance of the incumbent in laborartory, capability in discharging other responsibilities assigned to him from time to time by the Head of the Department/Section & Institute.

Welfare measures for teaching and non-teaching staff:

The institution has effective welfare measures for teaching and non-teaching staff as follows:

- Group Serving Linked Insurance Policy
- Gratuity Scheme
- Staff Quarters
- EL Encashment facility for Teaching and Non Teaching at the time of retirement
- Indoor and Outdoor stadia for physical fitness with Gym facility
- Canteen facility
- Yoga centre
- Health Center for staff with free Medical facility and conduct Health checkups
- Casual Leave
- Special Casual Leave
- On Duty Leave
- Earned Leave
- Half Pay Leave/Commuted Leave
- Study Leave
- Maternity Leave
- Paternity Leave

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

6.3.2

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

Response: 3.61

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

2022-23	2021-22	2020-21	2019-20	2018-19
22	18	3	2	2

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format (data template)	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences/workshops and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3

Percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDPs)/ Management Development Programmes (MDPs) during the last five years

Response: 60.17

6.3.3.1 Total number of teachers who have undergone online/ face-to-face Faculty Development Programmes (FDP)/ Management Development Programs (MDP) during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
120	178	197	170	119

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format (data template)	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institutional strategies for mobilisation of funds other than salary and fees and the optimal utilisation of resources

Describe the resource mobilisation policy and procedures of the Institution within a maximum of 500 words

Response:

- Institution mobilizes the funds through tuition fee, applying research grants and consultancy.
- These funds are effectively used to meet the teaching & non-teaching salaries, teaching - learning requirements, upgradation of laboratories, infrastructure development, organizing various extracurricular and co-curricular activities, promoting faculty for continuous education, supporting for attending workshops & conferences and campus maintenance.
- The funds utilized are regularly monitored by the administration and optimal utilization is assured.
- Every year, internal and external financial audit is performed.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

6.4.2

Funds / Grants received from government bodies, non-government bodies, and philanthropists during the last five years (not covered in Criterion III and V)

Response: 0.14

6.4.2.1 Total Grants received from government/non-government bodies, philanthropists year wise during last five years (not covered in Criterion III and V) (INR in Lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
0.04464	0.083016	0	0	0.012

File Description	Document
Institutional data in the prescribed format (data template)	View Document
Copy of the sanction letters received from government/ non government bodies and philanthropists	View Document
Annual audited statements of accounts highlighting the grants received	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4.3

Institution regularly conducts internal and external financial audits regularly

Enumerate the various internal and external financial audits carried out during the last five years with the mechanism for settling audit objections within a maximum of 500 words

Response:

KITSW strictly believes in following all statutory requirements for all audits and accounting practices. The Institution conducts internal and external financial audits regularly. As part of this mechanism, Institute conducts internal financial audit by presenting outcome budget, Income and Expenditure details, Receipts and Payments, Budgetary obligations in College Management Committee for discussion and communications. The audit objections, if any will be discussed with college management. Our Institute conducted external financial audits regularly and the copies of audited statements placed in college website. The external audit is conducted once in a year. The external audit is carried out by M/s SCV & Associates Chartered Accountants (Regn.No.217047). The queries which are raised are put before the Principal who clarifies & rectifies before finalizing the accounts. The Principal and Administrative

Officer (AO) contemplates and decides to appoint an Audit Sub-Committee that attends all the queries raised by the internal audit team and external auditors. External Auditors who are certified Chartered Accountants prepare the Audited financial statements including Income and Expenditure details, Audited Reports and then the same is filed in the Income-Tax Department.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC)/ Internal Quality Assurance System (IQAS) has contributed significantly for institutionalizing the quality assurance strategies and processes, by constantly reviewing the teaching-learning process, structures & methodologies of operations and learning outcomes, at periodic intervals

Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes visible in terms of –

- **Incremental improvements made for the preceding five years with regard to quality (in case of first cycle)**
- **Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)**

Describe two practices institutionalized as a result of IQAC initiatives within a maximum of 500 words

Response:

IQAC of KITSW has been constituted as per norms. IQAC delegates tasks to be conducted during the academic year to various committees and cells. The academic and administrative activities on going are monitored through Deans, HoDs and Faculty Incharges of various cells.

Regular Academic activities are scheduled and the progress of T-L process through HoD. Regular Academic Advisory Committee meetings are held to ensure the quality of outcome based education. Progressive action is taken based on the evaluation of Course Committee Meeting (CCM), Class Representative Committee (CRC) meeting and Mid-Semester and course exit student feedback. Based on the requirement, additional classes are arranged for slow learners.

Regular FDPs/ Workshops are conducted for improvement of T-L process. Faculty are encouraged to attend National and International Seminar / Conferences. PBAS system with 360 degree feedback is implemented for faculty performance evaluation as per AICTE regulations. Promotions and increment

approvals are processed through IQAC. Annual reports and institute brochures are released yearly.

The practices that are institutionalized as a result of IQAC initiatives are:

1. Academic and Administrative Audit (AAA) with external experts:

IQAC conducts Academic and Administrative Audit (AAA) every year. AAA committee includes two external academic experts, one from NIT, Warangal and one from Kakatiya University. Audit of all departments, cells/sections is performed based on the contributions made. Audit of administrative sections such as Examination Branch, Library, Establishment section, Professional Societies, Student Activity Centre, Training & Placement, Industry Institute Interaction Cell is also conducted every year. The suggestions made by external experts are considered for further improvement.

Green Audit is done by external members from NITW and government organization to evaluate the green campus (65 acres of campus), water sewage treatment plant (350 kLD), solar rooftop PV system (400 kWp).

2. Implementation of learner centric NEP2020 into teaching and learning:

NEP 2020 is implemented into students learning. Following features are included into curriculum -

1. Classwork is followed as per Almanac. A detailed Outcome Based Lecture Schedule (OBLS) is prepared and shared to students on institute learning management system called CourseWeb. This CourseWeb features the information pertaining to the course with OBLS, Classroom Discussion Topics (CDTs), Self Learning Topics (SLTs), Program based Assignments, Course Research Papers, Course Patents, Course Projects (CPr) and relevant learning material.

- OBLS consists of topics and lecture level outcomes indicating the skills to be imparted to students.
- As per OBLS, the CDTs & SLTs of each lecture session are shared to the students well in advance. CDTs & SLTs consists of a two-page summary of the session, lecture level practice problems (LLPs) and lecture outcomes. Students refer to the respective CDT/textbooks and attend classes with prior knowledge. This active learning enables students to participate proactively in class discussions, solve LLPs and problems to be solved during Tutorial sessions.
- Coding Assignments are given in each course to enhance student' coding skills.
- Course faculty will share a Course Research Paper (CRP) and Course Patent (CP) relevant to the course. Students submit a 2-page summary on CRP and CP as Special Assignments.

ii) Self learning program is implemented for VII & VIII semesters students under URR18-R22.

iii) Acceleration program is implemented for the students of V & VI semesters under URR18-R22.

iv) Honours and Minor programs are introduced to enable fast learners to take up MOOCs for gaining additional 20 credits.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

6.5.2

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

Describe any two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC within a maximum of 500 words each.

Response:

Department Academic Advisory Committee (DAAC) meeting is conducted every year at the end of the academic year, to review on Course Outcome attainment and Program Outcome attainment for all programs and actions to be taken are chalked out for the identified gaps. IQAC considers the minutes of DAAC meeting and feedback from stakeholders for minor or major revision of syllabi or curriculum.

Outcome based Education (OBE) cell is constituted with senior faculty as Professor I/c. This cell releases the academic calendar to be followed for teaching learning process, assessment of students' learning through continuous internal evaluation and monitors the actions planned by the departments to meet the gap.

Through this procedure following reforms are incorporated:

1. Integration of Research & Entrepreneurship in Outcome based Teaching & Learning -

A detailed Outcome Based Lecture Schedule (OBLs) is prepared and shared to students on institute learning management system, called CourseWeb. This CourseWeb features the information of the course with OBLs, Classroom Discussion Topics (CDTs), Self Learning Topics (SLTs), Program based Assignments, Special Assignments, Course Projects (CPr) and learning material. CDTs & SLTs are two-page summary consisting of the brief summary of the session, lecture level problems and lecture level outcome. Before attending class, students refer CDT and textbook for the topic and attend class with prior knowledge. This active learning helps students to actively solve Lecture Level Problems (LLPs).

Outcome Based Lecture Plan (OBLP) is prepared by the course faculty as per the identified essential Teaching-Learning Practices.

Coding Assignments are designed for every course as part of continuous internal assessment. Every course faculty will share a research article called as Course Research Paper (CRP) and a patent related to course topics called as Course Patent (CP). Students will submit a 2-page summary on CRP and CP as Special Assignments.

2. Additional Learning facility:

Additional learning facility is provided to the students to Honours or Minor Engineering. The regular B.Tech program is of 160 credits. Students opting for Honours or Minor in Engineering has to complete additional 20 credits through NPTEL MOOCs and physical labs as per Honours/Minor curriculum released by the departments.

3. Self-learning faculty:

Students of B.Tech programs can take up equivalent MOOCs in place of curriculum courses during V or VI or VII semesters. This helps students to go for onsite industry based internships and projects.

4. Acceleration Programme:

5. Inclusion of current trend courses into curriculum:

Based on stakeholders feedback particularly from employers and industry demand, advance courses like Advanced Data Structures (ADS) theory and laboratories are introduced for all programs and also Java to core branch students (CE, ME, EEE, ECE)

5. Establishment of Innovation, Incubation, Research & Entrepreneurship Centre (I2RE centre):

KITSW has established centre for Innovation, Incubation, Research & Entrepreneurship. It has established 5 different centres:

- AICTE-IDEA Lab,
- Institution Innovation Council,
- MSME Business Incubation,
- Entrepreneurship Development Cell and
- National Innovation Start-up Policy.

The college has strengthened its research infrastructure by obtaining funds to create conducive research environment and promote research works on the campus. Specialized research equipment and central research facilities are established.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

6.5.3

Institution has adopted the following for Quality assurance:

- 1. Academic and Administrative Audit (AAA) and follow up action taken**
- 2. Conferences, Seminars, Workshops on quality conducted**
- 3. Collaborative quality initiatives with other institution(s)**

4.Orientation programme on quality issues for teachers and students**5.Participation in NIRF and other recognized ranking like Shanghai Ranking, QS Ranking Times Ranking etc****6.Any other quality audit recognized by state, national or international agencies****Response:** A. Any 5 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Kakatiya Institute of Technology and Science, Warangal initiated a good number of measures for Gender Equity. KITSW approximately having 35 to 40% of female staff and around 40 to 45 % of female students KITSW management encourages the women faculties to lead the departments as heads, professors in charge of various institutional bodies, and Deans of various sections.

Female students are also encouraged to take part in all activities related to departments and Institution levels and also to lead curricular and co-curricular activities. Students of this institution used to be sensitized on Gender - Equity through webinars, seminars, and counseling and guidance sessions by internal and external experts.

The women's cell 'Sahasra' of KITS, Warangal was inaugurated on 4-12-2008 with the following objectives:

1. To broaden the horizon of women staff and girl students and make them aware of the rights to which they are entitled, and discharge their duties and responsibilities efficiently.
2. Empowering the women staff and girl students, in overcoming the deficiencies if any.
3. To promote the welfare of women staff and girl students.

Women Grievance cell: Women Grievance Cell has been established in the Institute under the Act No 20 of 1990 of Govt. of India. The objective of 'Women's Grievance Redressal Cell' is to ensure safe and conducive environment for the female employees and students. It provides confidentiality and support to the campus community who might be the victims of sexual or physical abuse. Further it helps the victims to submit the grievance through informal and formal means; and ensures fair and timely redressal of the grievance.

Common Rooms: In the institute, separate girl common room is provided, which is used during the leisure time, lunch hours and biological clock hours or as per the need. Facilities like drinking water, mirror, washbasin are made available.

The following events were organized by the women's cell during the A.Y.2021-22.

Conducted Guest lecture on "STOP WORRYING, START LIVING" & Fun Event Jeopardy in online mode on 29th January 2022 and also conducted Rangoli Competition on 08.03.2022.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

7.1.2

The Institution has facilities for alternate sources of energy and energy conservation measures

- 1. Solar energy**
- 2. Biogas plant**
- 3. Wheeling to the Grid**
- 4. Sensor-based energy conservation**
- 5. Use of LED bulbs/ power efficient equipment**
- 6. Wind mill or any other clean green energy**

Response: A. Any 4 or more of the above

File Description	Document
Permission document for connecting to the grid from the Government/ Electricity authority	View Document
Geo-tagged photographs of the facilities.	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **e-Waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

Institution has taken many initiatives towards waste management.

The Institute follows the principle of 3R (Reduce, Reuse and Recycle) to meet its objective of sustainable development.

Solid waste management:

- Solid waste in the campus is collected using green bins at appropriate places in the campus, where the plastics and non decomposable solids are separated and are sent for recycling. The decomposable solids are dumped into compost pits where it is decomposed into manure, which is used as manure for growing plants in the campus. The construction waste is used to fill the low lying areas within the campus. The food waste and vegetable waste is dumped into the 2 m³ Bio-Gas plant, and the produced Bio-Gas is utilized to cook the food in hostels.
- We have procured and installed 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 of dry leaves, branches, and all 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.
- Adequate number of dust bins are placed all over the campus. Waste is separately collected at different locations in bins based on the properties like disposable and non-disposable waste material. The vegetable waste from the canteen are arranged to be disposed regularly to keep the campus clean.
- In order to reduce the paper wastage, online transactions and communications are initiated, such as online feedback from students, softcopy of circulars, storage of softcopies of documents, online registration and exam fee payment, online submission of assignments.

Liquid waste management:

- The Institute has Installed a 350 KLD Sewage Treatment Plant (STP) based on Moving Bed Bio Reactor (MBBR) technology. The Phase –I (175KLD) is operational from 01/11/2017. The water is treated based on MBBR technology and is further ozonised. The recycled water is used for watering trees, plants, lawns, nursery plantation and for flushing toilets in buildings.
- The toilet waste is collected through piping system and discharged into septic tank. Liquid waste generated from canteen comprises of food wastes, dairy products and domestic waste water is discharged in soak pit.

E-waste management:

- E-waste produced in the institute will be disposed with by calling quotations. E-waste management is one of the challenges faced by the organizations in the modern era. Typical electronic and electrical wastes are generated every now and then. E-waste of computers, electronic and electrical instruments/equipments is used for demonstration purpose to the students. Whereas outdated and scrap e-waste is handed over to local authorised scrap vendor. UPS batteries are exchanged with new batteries considering scrap values from the suppliers. The institute also takes benefit of the various buy back offers from the suppliers.

The institute does not generate hazardous waste, radioactive waste and biomedical waste.

File Description	Document
Any other relevant information	View Document
Relevant documents like agreements/MoUs with Government and other approved agencies	View Document
Geo-tagged photographs of the facilities	View Document

7.1.4

Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or more of the above

File Description	Document
Green audit reports on water conservation by recognised bodies	View Document
Geo-tagged photographs of the facilities	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.5

Green campus initiatives include

Describe the Green campus initiative of the institution including Restricted entry of automobiles, Use of Bicycles/ Battery powered vehicles , Pedestrian Friendly pathways , Ban on use of Plastic, landscaping with trees and plants etc in 500 words

Response:

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. Green campus initiatives taken are -

1. Restricted entry of automobiles

2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping
6. Use of dustbins

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 ozonised. 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, hallticket, 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. Students 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.

File Description	Document
Policy document on the green campus/plastic free campus	View Document
Geo-tagged photographs/videos of the facilities	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.6

Quality audits on environment and energy are regularly undertaken by the institution

The institutional environment and energy initiatives are confirmed through the following

- 1.Green audit / Environmental audit**
- 2.Energy audit**
- 3.Clean and green campus recognitions/awards**
- 4.Beyond the campus environmental promotion and sustainability activities**

Response: A. All of the above

File Description	Document
Report on environmental promotion and sustainability activities conducted beyond the campus with geo-tagged photographs with caption and date.	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.7

The Institution has Differently-abled (Divyangjan) friendly, barrier free environment

Write description covering the various components of barrier free environment in your institution in

maximum of 500 words

- **Built environment with Ramps/lifts for easy access to classrooms**
- **Divyangjan friendly washrooms**
- **Signage including tactile path, lights, display boards and signposts**
- **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
- **Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response:

The Institution has differently-abled (Divyangjan) friendly, barrier free environment. All the buildings are provided with proper ramps with railing. The elevators are provided for ease of access in different buildings as per the feasibility.

We have constructed barrier-free toilets for boys and girls divyangjan. Further we are planning to provide Signage including tactile path, lights, display boards and signposts in all our future building constructions.

Human assistance is provided to help Divyangjan students and wheel chair facility is made available at all the blocks.

Electrically operated lifts are provided to reach classrooms and laboratories and different floors.

Scribe is allowed to assist the divyangjan students while taking exams. Exams are conducted for such students at ground floor classroom for easy accessing.

Library is having facility with online resources of journals and textbooks. The institute keeps the awareness about helping and guiding the Divyangjan students.

File Description	Document
Upload any additional information	View Document
Provide the link for additional information	View Document

7.1.8

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and such other diversities (within 500 words).

Response:

The institute through its practices and activities, is successful in creating a unity among all stakeholders belonging to different religions, castes and beliefs. Institute has taken efforts for sensitizing the students about cultural, regional, linguistic communal and socioeconomic diversities of the state and the Nation. Institute has undertaken various initiatives in the form of celebration of days of renowned personalities, National festivals, NSS and other activities to provide for ergonomic environment by carrying students and staff with varied background on single platform for creating all-inclusive environments.

Republic Day and Independence Day are celebrated every year in Institute campus. All teaching, nonteaching staff and students participate for the cause of nation. Institute always motivates students to organize and participate in different programs organized by institute, inter-institute, University and other Government or non-government organizations to make them sensitized towards cultural, regional, linguistic, communal and socio economic diversities. To represent diversity of Indian culture, students presents themes of different states and culture during celebration of cultural day. This creates the positive & peaceful environment in the Institute and society.

The Institute has conducted several programs for providing an inclusive environment. It has taken various initiatives for promoting tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic, and other diversities. The institution provides an eco-system and enabling environment for the co-existence of people coming from different cultures, regions, linguistics, and other socio-economic diversities. The institution has made efforts to provide an inclusive atmosphere that encourages peace, tolerance, and harmony among students and faculty.

Once a student gets admitted, he/she will be provided equally with all the resources for bringing harmony and nurture for holistic development. The institution is increasingly involved in conducting outreach programs for the welfare of society and in creating awareness among students about social issues. The staff and students belong to different communities like Hindus, Muslims, Christians, etc. being their mother tongues different like Tamil, Telugu, Kannada, etc. The institution has a very effective approach to maintaining tolerance and harmony among different communities and with different cultures. Institute organizes events that bring harmony and integrity among the students. Yoga, guided meditation sessions, and seminars on human values are organized every semester to create a coherent environment and respect for the individual. To promote cultural and regional heritage with diversity KITSW conducted cultural programs by people of eminence in several fields. Every year KITSW NSS Cell conducts Special Camps in villages for NSS volunteers.

File Description	Document
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document
Any other relevant information	View Document

7.1.9

Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Describe the various activities in the Institution for inculcating values for being responsible citizens as reflected in the Constitution of India within 500 words.

Response:

The Institute organizes various programs from time to time for the promotion of Constitutional values rights, duties, and responsibilities of citizens. The Institute designs various activities to create awareness about the national identity and symbols. Moreover, these are aimed to familiarize its stakeholders with Fundamental Duties and Rights.

KITS Warangal celebrates Independence Day on the 15th of August every year in. The day marks the importance of freedom, on this day, a Flag hoisting ceremony is organized followed by a recitation of the National Anthem. Every year on 26th January, KITSW celebrates Republic Day with great gratification to honor the date on which the constitution of India came into effect.

KITSW organizes several programs that are aimed at the promotion of various constitutional rights, duties, and responsibilities of citizens. KITSW organizes a Blood Donation Camp every year. KITSW celebrates World Environment Day on the 5th of June every year to ensure that Environmental concern is addressed. Similarly, KITSW organizes a Swachh Bharat Cleanliness Drive. The drive is aimed to promote the importance of cleanliness.

The employees and students of the institution are provided with an awareness of constitutional provisions by conducting seminars and workshops by Advocates, and Judges periodically. One course is designed on the values, rights, duties, and responsibilities of citizens and offered in the curriculum as a credit course.

File Description	Document
Any other relevant information	View Document
Details of activities that inculcate values necessary to nurture students to become responsible citizens	View Document

7.1.10

The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

- 1. The institutional Code of Conduct principles are displayed on the website**
- 2. There is a committee to monitor adherence to the institutional Code of Conduct principles**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

Response: A. All of the above

File Description	Document
Report on the student attributes facilitated by the Institution	View Document
Policy document on code of ethics.	View Document
Handbooks, manuals and brochures on human values and professional ethics	View Document
Document showing the Code of Conduct for students, teachers, governing body and administration as approved by the competent authority.	View Document
Constitution and proceedings of the monitoring committee.	View Document
Circulars and geo-tagged photographs with date and caption of the activities organized under this metric for teachers, students, administrators and other staff	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

BEST PRACTICE - I:

1. Title of the Practice

ICT & Outcome based Teaching-Learning Process (or)

Integration of Research & Entrepreneurship in Outcome based Teaching & Learning

2. Objectives of the Practice

Outcome based education ensures students to acquire desired skills of the course and attain desired program attributes.

The objectives of this practice are:

- To impart necessary skills to the students as per industry5.0
- To inculcate self-learning attitude to the students
- To orient students towards higher education
- To foster entrepreneurial skills as part of curriculum

3. The Context

Training was required to some of the faculty in order to effectively use the computer tools for video recording and preparing session summaries. Students took some time in orienting from traditional learning to outcome based learning.

4. The Practice

Classwork is followed as per Almanac. A detailed Outcome Based Lecture Schedule (OBLS) is prepared and shared to students on institute learning management system, called CourseWeb. This CourseWeb features the information of the course with OBLS, Classroom Discussion Topics(CDTs), Self Learning Topics (SLTs), Program based Assignments, Special Assignments, Course Projects (CPr) and learning material.

- At the beginning of the semester, OBLS is made available in the CourseWeb. This OBLS has topics and lecture level outcomes indicating the skills imparted to the students during each lecture session.
- Outcome based Lecture Plan (OBLP) is followed. Well in advance CDTs and SLTs of each session are also shared to the students. CDTs & SLTs are two-page summary consisting of the brief summary of the session, lecture level problems and lecture level outcome. Before attending class, students refer this CDT, refer textbooks for the topic and attend class with prior knowledge. This active learning helps students to actively solve LLPs and in Tutorial classes for problem solving.
- Tutorial Matrix is prepared indicating the mapping of students who have to solve mapped tutorial problems.
- Program based Assignments are designed for every course as part of continuous internal assessment.
- Every course faculty will share a research article called as Course Research Paper (CRP) and a patent related to course topics called as Course Patent (CP). Students are asked to submit a 2-page summary on CRP and CP as Special Assignments.
- Interested students are allowed to take Course Projects related to course under the guidance of course faculty.
- Outcome based

5. Evidence of Success

- Before attending class, students refer this CDT, refer textbooks for the topic and attend class with prior knowledge. This active learning helps students to actively solve LLPs given in CDTs.
- Identified students as per tutorial matrix readily participated in solving tutorial problems.
- With Program based Assignments, students are exhibiting confident in coding or programming and also students are trained for designing solutions for real time and core engineering applications.
- Special Assignments on CRP and CP have helped students to become aware of research

contributions and motivated students to take out Course Projects. Also reading CRP and CP has made students ready for self-learning and life long learning. This has been seen in the increasing number of students taking NPTEL MOOCs courses.

6. Problems Encountered and Resources Required

Additional effort is required by the faculty in adopting ICT and Outcome based lecture in preparation of digital material like CDTs, SLTs and session videos. Resources like laptop, video camera/webcam, digital slate were required in preparing the lecture material.

7. Notes (Optional)

Outcome based education is now the era of learning in order to make industry ready and acquire skills as per accreditation regulations. Students have to acquire skills during their course work and class room sessions. These acquired skills are to be assessed properly by the faculty during class session. Hence active learning has become necessary. Our institute has adopted ICT and Outcome based teaching and learning in order to incorporate entrepreneurial skills and be industry ready.

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

The Institutes Vision and Mission statements imbibe its distinctive features in improving the quality of human life by fostering global competencies among students. Also making them ethically strong by inculcating value system while promoting technological advances in endeavouring quest for excellence.

The Institution focuses on the holistic development of students through its Core Values which enables to nurture future citizens who in turn, will contribute for our Nation Building.

We at KITSW value Integrity, Diversity, Excellence, Accountability and Quality fostering global competencies among student fraternity.

Aiming at imparting quality education, our vision is to focus upon thrust areas like implementing Outcome Base Education (OBE) in true spirit. The Institution has its uniqueness in delivering the OBE through quality classroom lectures using ICT tools. COURSEWEB is a unique application developed by the institute which serves as a single window for all the resources pertaining to a course such as Course Objectives and Outcomes, Syllabus, Outcome based lecture Schedules (OBS), Tutorials, Course Patents, Course Research Publications etc.

Involving in quality research and publishing the research outcomes in peer reviewed journals, filing

patents and working for IPR's, integrating the research expertise and ICT into classroom teaching thereby nurturing the industry ready graduates. Institute strongly believes in academic integrity by promoting the its anti-plagiarism policy to prevent plagiarism and also its ARCIT policy to promote quality research.

The Institute in its endeavour to foster global competencies to student community, created an ecosystem which promotes Innovation Incubation Research and Entrepreneurship(I2RE) culture among the students. Adopting essential teaching learning practices (TLPs) inculcating the value system, promoting our traditions and culture to the students by imparting courses like Essence of Indian Traditional Knowledge, Universal Human Values, Disaster Management etc.

Students' welfare and career guidance and mentoring is taken care through SMCG cell. The Training and Placement cell of the Institute caters the necessary employment training and placement in Multinational companies. Institute firmly extends its helping hand for the welfare of its students through students counselling which is very unique feature of the institute. The Institute has zero tolerance to ragging through its Anti Ragging Cell/Committee.

As a part of social responsibility, Institute also extends its services to the society through various clubs of Students Activity Centre (SAC), NSS and NCC.

The Institute also showcases its distinctiveness which promotes ecological balance through its sustainable practices by maintaining a lush green campus, flora fauna, sprawling lawns, water harvesting, leveraging solar energy through roof top solar power plants, waste water treatment plants through its Sewage Treatment Plant.

The playfield, Indoor games complex, dispensary, divyangan toilets, Hostel facility for both Boys and girls are few more facilities for the students.

File Description	Document
Any other relevant information	View Document
Appropriate webpage in the Institutional website	View Document

5. CONCLUSION

Additional Information :

Some of the recognitions received by the Institute are:

2023 **4 PG programmes** - M.Tech(Structural Engineering & Construction), M.Tech(Design Engineering), M.Tech(Power Electronics) and M.Tech(Software Engineering) are **accredited by NBA** for 3 years w.e.f. 2023-24

2023 Rated as **AAAA** grades among the Best Engineering Colleges in India by careers 360.com

2023 Established **AICTE - IDEA Lab** worth of 1,23,00,000 (1 crore, 23 Lakhs) to boost Institute Innovation & Incubation activities

2023 Ranked in the **Diamond Band with A+ Grade** by OBE Rankings - 2023

2023 **“Best Faculty Performance”** recognition by **SWAYAM - NPTEL** based on performance in NPTEL Online certification courses.

2022 **NIRF** (National Institutional Ranking Frame Work, MED, Govt. of India) KITSW Rank Band : **201 - 250 in INDIA.**

2022 **ARIIA** (Atal Ranking of Institutions on Innovation Achievements, MED, Govt. of India) recognized KITSW as **Most Promising Institute** in Private/Self-Financed Technical Colleges.

2022 **Best Employability Award** by SHL INDIA, New Delhi based on excelled in AMCAT for second consecutive year.

2021 **NIRF** (National Institutional Ranking Frame Work, MED, Govt. of India) Ranked KITSW **197th among Top Engineering Institutions in INDIA.**

2021 Ranked as **GOLD CATEGORY Institution** for consecutive 4th year by **AICTE-CII Survey** of Industry-Linked Technical Institute.

2021 Certified with the quality standards of **ISO 9001 : 2015** for the providing educational services

2018 Accredited by **NAAC** with **Grade 'A'** (**CGPA 3.21 out of 4.0**) for 5 Years w.e.f. 2-11-2018

2018 Recognised under PMSSS for J & K students

2017 Received **Best ISTE Student chapter** award in Telangana

2017 **DQ-CMR** (Data Quest-Cyber Media Research) Ranked KITSW **3rd best Private Engineering college in the State of Telangana** and 59th among all Private Engineering colleges in INDIA.

2016 **Times of India** Ranked KITSW **second best Engineering college in the State of Telangana** and

57th among all Private Engineering institutions in INDIA and 106 among all Engineering institutions in INDIA(including IITs, IIITs & NITs).

2014 Recognised as an **Autonomous Institute under Kakatiya University by UGC**

Concluding Remarks :

KITSW started in 1980, subsequently got approval from AICTE, permanent affiliation from Kakatiya University. KITSW started as an undergraduate institute with three B.Tech courses affiliated to the Kakatiya University (KU), Warangal, now the institute is offering **Eleven (11) B.Tech courses, Seven (07) M.Tech courses** and a **Master's in Business Administration (MBA)**, with a **total student strength of 4754** (UG: 4589, PG: 165). The institute is recognized as Research Centre by Kakatiya University for Ph.D programme and there are about **41 PhD scholars under various disciplines**. All eligible UG and PG programmes are accredited by NBA. The Institute is recognised by NAAC with A grade (CGPA: 3.21/4).

With the Institute accorded with autonomy by UGC, New Delhi *w.e.f.* the academic year 2014-15 has made curriculum revisions to incorporate AICTE guidelines, NBA graduate attributes and industry needs. The outcome based curriculum with components of research, innovation and entrepreneurial skills has been implemented. An **Innovation & Incubation Centre** (10,000 sft) with **AICTE IDEA Lab** (5,000 sft) and **MSME Business Incubator** are established to nurture and guide students towards entrepreneurial skills and startups. Four (04) centres of excellence (**CISCO, Indo-American Artificial Heart Project, NI LabVIEW, RPA-BOT Lab**) are being established.

AICTE mandated e-journals with remote access and Central library with over 1,00,000 books and magazines are being supporting faculty and students for research, projects and seminars. Campus is provided with 1.5 Gbps internet connectivity.

Institute has well defined policies for R&D, Consultancy and T&P. Faculty are encouraged to do research, consultancy, filing patents, publish papers in refereed journals and acquire research grants. MoUs with industries help students towards internships, skill development, campus placements and entrepreneurship. Institute has been funding few of the best research projects and SAE collegiate club projects.

Student Activity Centre conducts activities that address social needs and make the students society sensitive. Alumni of the institute are placed in premier organizations and they are generously contributing to the institute in the form of sponsorship for selective projects, prize money for winners on the occasion of Swami Vivekananda & Ramakrishna Paramahansa birthday celebrations and Gold medals to the students of academic excellence. Also, inspire their juniors with interactive sessions and expert talks.