ACADEMIC AUDIT REPORTS

OF

Academic Year 2020-21

Academic Audit Conducted 2nd and 3rd September' 2021

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL

(An Autonomous Institute under Kakatiya University, Warangal)

No. 08 /IQAC/KITSW/2021   Date: 30/08/2021

IQAC CIRCULAR

Respected AAC members,

Sub: Inspection of academic audit committee visit on 2ⁿᵈ -3ʳᵈ September 21-reg.,

I am happy to inform that the Principal accorded the permission to Internal Quality Assurance Cell (IQAC) to conduct academic audit of various departments as per the guidelines of NAAC and UGC. The academic audit committee consists of external members and internal members to inspect all the departments/sections of the institute. As per the instruction of the principal the following academic audit committee constituted to visit various departments on **2ⁿᵈ -3ʳᵈ September21.**

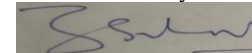|		
1.	Prof K Eswaraiah Coordinator,IQAC,KITSW	Chairperson
2.	Prof T Srinivasulu Principal, KUCETW Dean, FoET,KU, Warangal.	External members
3.	Prof A Kumar Professor & Head Dept. of Mechanical Engineering NIT, Warangal	External members
4.	Prof V Rajagopal Dean,Academic Affairs,KITSW	Members
5.	Prof P Niranjan Dean, R& D,KITSW	Members

The schedule of the department/sections visits as follows

S.No	Date	Time	Department
1	02-09-2021	10.00am to 11.30 am	Dept. of CE
2	(Thursday	11.30am to 1pm	Dept. of ECE
3		1.30 pm to 3pm	Dept. of E&I
4		3 pm to 4.30pm	Dept. of EEE
5		4.30 pm to 5pm	Academic & Est., section
6		5 pm to 5.30pm	Exam section
7	03-09-2021	10.00am to 11.30 am	Dept. of ME
8	(Friday)	11.30am to 1pm	Dept. of CSE
9		1.30 pm to 3pm	Dept. of IT
10		3 pm to 4.30pm	Dept. of MBA
11		4.30 pm to 5pm	Dept of PSS&MH
12		5 pm to 5.30pm	Library

In this regard, I request all the Heads of the departments/sections kindly keep the academic audit files ready as per the format given by IQAC and cooperate to the committee during the visit.

Thank you for your kind support and concern.

Yours sincerely

Prof K Eswaraiah
Coordinator, IQAC

No. 11 /IQAC/KITSW/2021

Date: 03/09/2021

To,
The Principal
KITS
Warangal-15

Sub: *Compliance report on academic audit – External members-Reg.*
Ref: *IQAC-KITSW academic audit on 2nd -3rd September 21-reg.,*

We are happy to inform to you that the Internal Quality Assurance Cell (IQAC) of institute conducted academic audit of various departments and sections on 2nd -3rd September 2021.

During the academic audit, we were focussed on the department's/section's performance in the areas of core academic activities – curriculum, teaching, students' performance, Research & Development and interaction with industry.

The committee had reviewed the performance of academic activities of 9 departments and 4 sections. Based on our observations, here with we are presenting the following recommendations for enhancing the quality of academics, research and other activities at your institute.

IQAC

1. Redesign the IAQC Internal audit form to meet the institute goals, AICTE/UGC, NBA norms

2. Suggested to conduct training programs on objectives of IQAC, Importance and role in accreditations and quality improvement, drafting of SWOC and best practices as per college vision and mission

DEPARTMENTS/SECTIONS

1. HODs typical remarks are missing on respective quality questions in academic audit form. IAQC – audit demands complete information must be provided in the IQAC form may be concisely to better auditing.

2. Maintain Faculty and student ratio, cadre ratio as per AICTE norms for UG and PG Programs

3. Each department/section should write strategic planning at the beginning of the academic year to maintain balance between academics and research

4. Objectives, outcomes and issues resolved must be mentioned in all CRC, MSE and ATR minutes

5. Mention the Purpose and Procedure to decide makeup, remedial, revision and its impact analysis.

6. Provide details of UG and PG workload allotment on faculty cadre basis as per UGC/AICTE norms in all programs.

7. Indicate the specific issues raised by students and other stake holder in feedback and its resolutions and follow up.

8. Counseling system is good. Provide counselor interaction details, duration, period, and student benefits and follow up.

9. Suggested to all departments should redraft SWOC, Best Practices, Short-term and long-term goals to focus and meet to Academic and Industrial Research /College vision and mission

10. Suggested to enhance the faculty deputations to attend FDP/Conferences

11. Increase Research facilities at institute level for Ph.D. pursuing faculty as more than 30% are pursuing and instruct to publish one SCIE paper per academic year or text or reference book or DST project

12. Faculty credits may be quantified in terms of h Index, Citations, i-10 index, performance and qualification index, as per accreditation regulations

13. Dean R&D should publish a research bulletin periodically to highlight the Research outcomes of the college in terms of publications (SCIE, SCOPUS, WOS) and Projects (Govt. funding, Industry Sponsored), and Patents (commercialized, granted, filed) and student innovations

14. Academics and placements achievements are good. Research outcome/outreach of all the Department is not appreciable as good as in academics and placements

15. Departments should conduct more extension activities in every academic year.

16. Departments should organize academic programs sponsored by industry.

17. Departments may plan to offer customized programs to working professionals through online/offline mode

18. Academic Collaborations/MoUs at national and international level, need to be improved

19. Institute should find a mechanism to increase National/International students' admissions

20. Suggested to review and procure library books of volumes, titles, journals, references, and others as per AICTE norms

21. Alumni resources may be efficiently utilized for further improving research activities

22. Encourage commercially viable patentable research environment

23. Faculty advised to apply other funding agencies to strengthen the R&D activities at the institute level

24. Suggested to start consultancy with minimum revenue generation in all departments

25. Suggested to organize more workshops/FDPs in association with Alumni/ industry resource persons in line with Industrial need

26. Suggested to increase the number of alumni interactive sessions

27. Circuit branch placements are good. Increase the placement ratio in core jobs and core branches

External Academic Audit Members

1. **Prof. T. SRINIVASULU**
   Principal, KUCETW
   Dean, Faculty of Engineering, KU, Warangal

2. **Prof. A. KUMAR**
   Professor & Head, MED, NIT, Warangal

DEPARTMENT ACADEMIC AUDIT

Academic Year: 2020-21

Date: 02.09.2021

Please fill the following information (*pertaining to the previous academic year*):

Name of the Department	CIVIL ENGINEERING
Head of the Department	Dr. M. Veera Reddy
Department Academic Advisory Committee (DAAC)	Dr. M. Veera Reddy, Professor &Head of the Department
	Dr. L. Sudheer Reddy, Professor & Dean P&E.
	Dr. M. Andal, Professor.
	Dr. M. Srikanth, Professor.
	Dr. D. Hari Krishna, Assoc. Professor.
	Dr. S. Sunil Pratap Reddy, Assoc. Professor.

A. **Details of Programmes offered by the Department:**

Programme Level	Name of the Programme	Year	Sanctioned Intake + Lateral entry	No. of students admitted	No. of students not registered	Whether NBA accredited?	Validation period of NBA accreditation along with File No. & date
UG	B. Tech - Civil Engineering	I	120	94	--	Yes	2019-2022(3 years) F.No.11-76-2010-NBA, 21.08.2020
		II	120 + 12 = 132	113+19=132	-	Yes	2019-2022(3 years) F.No.11-76-2010-NBA, 21.08.2020
		III	120 + 12 = 132	117+12=129	-	Yes	2019-2022(3 years) F.No.11-76-2010-NBA, 21.08.2020
		IV	120 + 24 = 144	120+24=144	-	Yes	2019-2022(3 years) F.No.11-76-2010-NBA, 21.08.2020
PG	M.Tech -	I	30	30	-	No	-
		II	24	24	-	No	-

Ph.D.	Civil Engg.		08 under each supervisor	Nil for the Year 2020-21, 06 (Two under each Research Supervisor 2018-19)	-	No	

B. Faculty Information:

1.	Total Faculty in the Department (2020-21)	31
2.	No. of Faculty identified for B. Tech.I year *(Considering fractional load)*	02
3.	No. of Faculty identified for UG (B.Tech. II, III & IV year) *(considering fractional load)*	24
4.	No. of Faculty identified for PG *(Considering fractional load)*	05
5.	Faculty: Student ratio (FSR) for UG	1:15
6.	Faculty: Student ratio (FSR) for PG	1:10.8
7.	Faculty Cadre Ratio:	
	(i) No. of Professors	04
	(ii) No. of Assoc. Prof.	02
	(iii) No. of Asst. Prof.	25
	(iv) Faculty Cadre Ratio =	1 : 0.5 : 6.25
8.	Faculty Qualification:	
	(i) No. of Faculty with Ph.D.	12
	(ii) No. of Faculty with M. Tech/MBA	19
	(iii) No. of Faculty with B. Tech/MCA/MSc	Nil
9.	No. of faculty pursuing Ph.D.	16
10.	No. of faculty with degrees from IITs/NITs	13
11.	No. of faculty with degrees from universities abroad	03
12.	No. of faculty identified as Research Supervisors by various Universities	04

C. Assessment Data

- *Please mention YES or NO in third column*
- *Mention Date of item (if any) in fourth column*
- *Required details can be filled in "Remarks by HoD" column - based on YES/NO stated in the third column*
- *If any response to any item is not of YES/NO type, please write full details in "Remarks by HoD" column*
- *Mention –N. A- if any data is irrelevant in "Remarks by HoD" column*

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
1.	New programs added	No	--	--	NIL
2.	No. of UG Laboratories	--	--	12 (08 Physical Laboratories)	Satisfactory
3.	No. of PG Laboratories	--	--	04 (02 Physical Laboratories)	Satisfactory
4.	New laboratories added	Nil	--	No new labs were added	Ok
5.	Total cost of equipment in all laboratories			Concrete Lab – Rs.30,69,911-00 Geo Technical Engineering Lab – Rs.17,76,308-00 Engineering Geology Lab – Rs.3,31,423-00 Material Testing Lab – Rs.15,88,859.00 Highway Engineering Lab – Rs.4,19,741.00 Surveying Lab- Rs.22,53,968.00 Fluid Mechanics Lab – Rs.13,55,700.00 Environmental Engineering Lab – Rs.3,15,000.00 Civil Engineering CAD lab – Rs.20,98,750.00 **Total Cost in Rupees –**	Good

				Rs.**1,32,09,660/-** **(Rs. 25,00,000/- approved for PG Lab)**	
6.	Cost of newly added equipment	--	--	NIL	NIL
7.	Curriculum revision done	Yes	14th June 2020 - URR18 PRR20	V & VI Semesters Scheme and syllabus finalized	Satisfactory
8.	Survey taken from stakeholders on syllabus revision or course content	Yes	Jan-May 20,	Survey taken from Alumni, Employer, Parents and Exit batch Students	Provide brief details of survey
9.	Action taken report prepared on stakeholders' feedback	Yes	April2020	Suggestions are incorporated	Satisfactory
10.	Survey reports available on website	No	--	Hard copies of survey reports are available in the department	Post on website
11.	Board of Studies meeting conducted	Yes	14th June 2020	V & VI Semesters Scheme and syllabus finalized	Satisfactory
12.	Syllabus is approved by Academic Council	Yes	June2020,	V & VI Semesters Scheme and syllabus finalized	Satisfactory
13.	UG Workload allotted to faculty	Yes	--	Avg. work load: 16 Faculty required: Nil Faculty existing: 26	UG Workload allotment to faculty cadre basis as per AICTE/UGC norms
14.	PG Workload allotted to faculty	-	---	Avg. work load: 16 Faculty required: NIL Faculty existing: 05	PG Workload allotment to faculty cadre basis as per AICTE/UGC norms
15.	Faulty Recruited	Yes	July 2020	No. of faculty recruited: 03	Satisfactory
16.	Calendar for Dept. Association activities prepared	Yes	June 2020	Civil Engineering Association (CEA) Calendar will be prepared every year in the month of June before commencement of Class work CEA I/c: Mr.P.Teja Abhilash Mrs.B.Sravanthi	Provide brief details
17.	Regular counselling of students is done	Yes	Every week end	Counselling is regularly carried for better performance of students	Provide brief details of counsellor interactions,

					duration, periodicity, benefits, etc
18.	Teaching schedules were uploaded into CMS before commencement of classwork	Yes	One week before class work	Teaching schedules, ToS are uploaded in course web page	Satisfactory
19.	Assignments were posted timely into CMS as per teaching schedule	Yes	Posted as per teaching schedule in CMS	Assignments were posted timely in course web page and regular monitoring is done	Satisfactory
20.	Evaluation of assignments& posting of marks into CMS was done as per Assignment schedule	Yes	Posted in CMS as per in schedule	Assignments were evaluated and marks will be posted in course web page and regular monitoring is done	Provide Summary of evaluations
21.	Regular Course Committee meetings (CCM) were conducted by Course coordinator	Yes	--	Course Committee meetings (CCM) are conducted by Course coordinator before Minor exam and MSE	Provide CCM minutes briefly
22.	Action taken report was prepared on CCMs conducted	Yes	--	Based on the CCM, Action Taken reports were prepared	Provide brief details of ATR
23.	Online feedback taken from students before MSE-I	Yes	17th Sept 2020	Online feedbacks through Google forms are available as soft and Hard copies in the Department	Provide summary of feedback
24.	Class Representative Committee meetings (CRC-I) were conducted before MSE-I	Yes	14th Sept 2020	Class Representative Committee meetings (CRC-I) was conducted before MSE-I	Provide summary of CRC-I
25.	Action taken report was prepared on CRC-I meetings conducted	Yes	23rd Sept 2020	Based on the CRC-I Action Taken reports were prepared	Provide brief details of feedback ATR
26.	Course Review meeting (CRM-I) conducted after MSE-I by HoD for courses of B. Tech II, III & IV year	Yes	Sept 2020	Course Review meeting (CRM-I) conducted after MSE-I	Provide brief details of CRM-I
27.	Action taken report prepared on CRM-I meetings conducted	Yes	--	Based on the CRM-I, Action Taken reports were prepared	Provide brief details of CRM ATR
28.	Student Progress report sent to parents after MSE-I	Yes	-	marks of students were sent to the parents after MSE-I	Provide dates
29.	Remedial classes conducted as per timetable	Yes	--	Remedial classes were conducted for slow learners as per timetable	Provide brief Remedial class/faculty-procedure and

				purpose
30.	Online feedback taken from students before MSE-II	Yes	7th April 2021	Online feedback for all the students were taken from students before MSE-II	Satisfactory
31.	Class Representative Committee meetings (CRC-II) were conducted before MSE-II	Yes	08th April 2021	Class Representative Committee meetings (CRC-I) was conducted before MSE-II	Provide brief details of CRC-II
32.	Action taken report was prepared on CRC-II meetings conducted	Yes	09th April 2021	Based on the CRC-II Action Taken reports is prepared	Provide brief details of CRC-II ATR
33.	Course Review meeting (CRM-II) conducted after MSE-II by HoD for courses of B. Tech II, III & IV year	Yes	--	Course Review meeting (CRM-II) were conducted after MSE-II	Provide brief details
34.	Action taken report prepared on CRM-II meetings conducted	Yes	--	Based on the CRM-II, Action Taken reports were prepared	Provide brief details summary of relevant ATR
35.	Dossier prepared for students having shortage of attendance	Yes	--	All the students are having attendance more than the prescribed attendance.	Satisfactory
36.	Students detained due to shortage of attendance	Yes	--	NIL.	NIL
37.	Makeup classes were arranged for students writing supplementary exams	Yes	Aug 2019, Oct 2019, March 2020	Makeup classes were arranged for students writing supplementary exams. Time table is prepared and classes were taken after the regular class hours.	Satisfactory
38.	Faculty using ICT based teaching	Yes	--	All the faculty members are using ICT based teaching	Details of ICT/Faculty
39.	Additional teaching material (Handouts) were given to students	yes	--	Additional teaching material (Handouts) were given to students for all the courses	Satisfactory
40.	NPTEL lectures screened	yes		Faculty members have screened NPTEL lectures	Provide no of NPTEL screened
41.	Advancements in relevant areas (*published in Conference proceedings /journal papers*) were discussed in class (Course wise details)	Yes		Special assignments (CPs & CRPs) were given to students and discussed in the class	Satisfactory

	Result analysis after ESE evaluation:				
42.	(i) CO, PO Direct attainments were calculated	Yes		Direct attainment: were calculated based on CIE and ESE	Satisfactory
	(ii) Gaps were identified	Yes		Gaps were identified for all the courses	Satisfactory
	(iii) Action to be taken reports prepared	Yes		Action to be taken reports were prepared for all the courses based on gaps identified	Satisfactory
	(iv) Action taken reports prepared	Yes		Action taken reports were prepared for all the courses based on gaps identified	Satisfactory
	(v) Minutes of Meetings recorded	Yes		Minutes of Meetings were recorded	Satisfactory
43.	Survey was conducted for Indirect Assessment of PO & PSO attainment	Yes	--	Survey was conducted from Alumni, Employer, Parents and Exit batch Students	Satisfactory
	(i) Exit survey	Yes		Survey was conducted from Exit batch Students	Satisfactory
	(ii) Parent survey	Yes		Survey was conducted from parent	Satisfactory
	(iii) Alumni survey	Yes		Survey was conducted from Alumni	Satisfactory
	(iv) Recruiter survey	Yes		Survey was conducted from recruiter	Satisfactory
44.	Indirect attainment of PO & PSO were calculated	Yes		Indirect attainment of PO & PSO were calculated for all the courses	Satisfactory
45.	Overall attainment of PO & PSO of the batch was calculated	Yes		Overall attainment of PO & PSO of the batch was calculated (80% of direct attainment and 20% of indirect attainment)	Satisfactory
46.	Workshops/FDPs were conducted for faculty	Yes		6 Workshops/FDPs were conducted for faculty	Suggested to increase in number of FDPs
47.	Faculty participated in Workshops/FDPs	Yes		Faculty participated in 114	Good

	etc.,			Workshops/FDPs etc.,	
48.	Faculty took online courses (NPTEL/SWAYAM MOOCs/HONORS & MINORS etc.)	Yes		20 Faculty took online courses	Good
49.	Faculty published in Refereed journals	Yes		International:(Number) (a) Scopus: 11 (b) SCI : 11 (c) Others : 01 National: (Number) (a) Scopus:- 00 (b) SCI :- 00 (c) Others :- 00 List Enclosed in AA_C16	Suggested to publish more number of publications
50.	Faculty published in Conference proceedings	Yes		International: (Number) (a) Scopus:04 (b) SCI :00 (c) Others :00 National: (Number) (a) Scopus: -02 (b) SCI :-00 (c) Others :00 List enclosed in AA_C16	Suggested to publish more number of conferences
51.	Faculty attended conferences for paper presentation	No		International: 00 National: - 00	Please provide the HoD remarks
52.	Faculty won awards (*including best research paper award*)	Yes		02 Faculty won awards	Satisfactory
53.	Faculty Research proposals (Total cost in lakhs)				
	(i) Prepared	Yes		Number: 05 Amount: 00	Faculty advised to apply other funding agencies
	(ii) Submitted to Govt. agencies	No		Number: 00 Amount: 00	
	(iii) Sanctioned by Govt. agencies	No		Number: 00 - Amount: -00	
	(iv) Submitted to Non-Govt. agencies	No		Number: 00 - Amount: -00	

	(v) Sanctioned by Non-Govt. agencies	No		Number: 00 - Amount: -00	
	(vi) Submitted under FRSS of Institute	No		Number: 00 - Amount: -00	
	(vii) Sanctioned under FRSS of Institute	No		Number: 00 - Amount: -00	
	(viii) Total Sanctioned	No		Number: -00 Amount: -00	
54.	Other proposals by faculty (Total cost in lakhs) (FDPs/Seminar Grants, etc.)				
	(i) Prepared	20	--	Number: 20 Amount: NA	Satisfactory
	(ii) Submitted	01	--	Number: 01 Amount: 3,01,667.00	Satisfactory
	(iii) Total Sanctioned	01	--	Number: 34-66/427/FDC/STTP/Policy –1/2019-20 Amount: Rs. 301667/-	Satisfactory
55.	Consultancy projects undertaken	Yes	--	Number: 180 Amount: Rs. 16,71,135.33/-	Satisfactory
56.	*Any other Faculty achievements (not covered above)*	Yes	--	Research Centre was renewed and 6 scholars were allotted to three faculty members	Ok
57.	Workshops/Seminars conducted for students	Yes	11-12th Dec 2020 & 9th Jan 2021	8 Workshops/Seminars conducted for students	Satisfactory
58.	Interactive sessions arranged with alumni	Yes	27th Jan 2020	Number: 01	Increase no.of intercations
59.	Students participated in academic activities at other institutes	Yes	--	Number:15	Satisfactory
60.	Students won Prizes in academic activities at other institutes	No		Number: NIL Amount (*if any*): --00	NIL
61.	Students participated in cultural activities at other institutes	Yes		Number:10	
62.	Students won Prizes in cultural activities at other institutes	No		Number: NIL Amount (*if any*): -- 00	NIL
63.	Students participated in sports activities at other institutes	Yes		Number:12	

64.	Students won Prizes in sports activities at other institutes	No		Number: NIL Amount (*if any*): 00	NIL
65.	Students undergone internships	Yes		Number:255	Satisfactory
66.	Students won "Best student project award"	Yes		Number: 01 Amount (*if any*):00	Satisfactory
67.	Any Innovations by students	Nil		Nil	NIL
68.	Students took online courses (NPTEL/SWAYAM MOOCs etc.)	Yes		6	Encourage students to take more online courses
69.	Start-ups are incubated on campus	No		Nil	NIL
70.	Students Placements				
	No. of students eligible for placements	--		151	Satisfactory
	No. of students registered for T&P activity	--		35	
	No. of students placed	--		16	
	No. of students joined for Higher Education	--		14	
	No. of students secured Jobs in PSUs	--		Nil	
	No. of student Entrepreneurs	--		Nil	
71.	*Other student achievements (not covered above)*			List of Students participated in Inter college events are enclosed in	Satisfactory
72.	Dept. Newsletters were released				
	(i) Odd semester	Yes	July 2020	July 2020	Satisfactory
	(ii) Even semester	Yes	Dec 2020	Dec 2020	Satisfactory
73.	Yearly Technical Magazine was released	Yes	July 2021	July 2021	Satisfactory
74.	Self Appraisal reports (PBAS) were submitted by all faculty	Yes	June 2021	All the faculty submitted PBAS	Satisfactory
75.	Self Appraisal reports are submitted by all non-teaching staff	Yes	August 2021	Self Appraisal reports are submitted by all non-teaching staff	Satisfactory
76.	Department Academic Advisory Committee (DAAC) meetings were held regularly	Yes	May-2020 to February,	All the members are actively participated to discuss departmental	Satisfactory

			2021(8)	issues	
77.	Alumni visited the department (*not covered under Alumni interactive sessions above*)	Yes	25th March 2021	Visited Alumni appreciated the syllabi of our institute	Satisfactory
78.	Alumni funding to the department (*if any*)	No	--	Nil	Ok
79.	MoUs signed /Collaborations established	Yes	--	Major MoU with NITW	Satisfactory
80.	*Any other Department Achievements (not covered above)*	--	--	Planning for conduction of Finishing School Program for VIII sem students	NIL

D. Best Practices, SWOC Analysis, Shot Term and Long-Term Goals:

<table>
<tr><th colspan="1" align="center">Best Practices of the Department</th></tr>
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1. Department of Civil Engineering Publishes two newsletters per year.

2. Department of Civil Engineering Publishes one technical magazine per year among which AAKRUTHI a student technical magazine is exclusively published by the students of civil engineering.

3. Faculty of Civil Engineering encourages students to attend conferences and publish technical papers.

4. Department of civil engineering monitors each and every final year student in Major project hours and helps in completing the project in time

5. Department of Civil Engineering organizes Parents meet with the parents of students who have Backlogs and shortage of Attendance and helps them get through.

6. Every week there will be a guest lecture from prominent people in the society during Civil Engineering Association Hour (Every Monday- 12:05pm to 1:05pm)

7. Faculty of Civil Engineering impart awareness and social responsibility to students (explaining about social mingling, environmental hazards, pollution control like no use of Plastics in day-to-day life) as a part of regular Academic schedule.

8. Mission Go Green Initiative- Sewage Treatment plant and Roof Top Solar Power plant is Designed and Executed by the Faculty of Civil Engineering. (Dr.L. Sudheer Reddy Dean P&E, Professor.)

9. Most of the Students publish their research work with faculty in peer reviewed Journals.

10. The Faculty and Students of Civil Engineering are trained such that less resources are utilized in their activities (using minimum lights and Fans in classes and staff rooms, switching off Lights and Fans when not in use, avoiding plastic goods etc.)

SWOC Analysis of the Department

- **Strengths:** Industrial Consultancy Cell- Civil Engineering is a jewel in the college providing services to public and private sector and generating revenue to the college.

- Mission Go Green initiation and implementation from the department

- Ethical and dedicated faculty, most of the faculty in the department are Alumni of the college.

- Spacious laboratories with all equipment.

- Culture of encouraging faculty to go beyond the syllabus, and students to work things out independently;

- Culture of encouraging our best students to stay within academics and research.

- Culture of encouraging research in students by giving Best Student Project awards.

- Frequent Industry interaction with students, Field visits and practical and application-oriented teaching.

- Diversity in teaching – providing guest lectures from prominent people like NITs,

IITs etc.

- Conducting National level technical symposia and conferences every year to encourage research and skills among students and faculty.

- **Weakness:** Contents beyond the syllabus is minimal.

- Only 12 People out of 30 has Ph.D.

- Contribution of project outcomes to conferences is few.

Opportunities:

(iii) Changing syllabus to make it more flexible and modern;

(ii) improving computational facilities;

(iv) introducing undergraduate research;

(iv) encouraging research by faculty members;

(v) using online resources to supplement traditional teaching methods.

Challenges:

(vi) Effectively teaching a heterogeneous group of students;

(ii) keeping students focused in the face of increasing competition in every sphere;

(vii)   providing useful career advice to students;

(viii)   ensuring that all students graduate with the competence and maturity expected of an educated person in society.

Short Term Goals of the Department	
• To strengthen Industry relationship for exposing students to practical aspects and field practices associated with construction industry.	• Industry visits • Internships • Industry in house training
• To improve teaching learning process of the faculty by conducting /participating in AICTE/UGC/self sponsored seminars in the department.	By conducting One FDP's/ Seminar per year.
• Stage wise Modernization of labs.	To modernize Soil Mechanics, Geology, MT lab by replacing old equipment.
• To inculcate professional ethics among the students by forming groups to address societal issues.	Swatch Bharath summer internships. Forming Road Safety Groups in association with IRSC (Indian Road Safety Campaign.)
Long Term Goal of the Department	

Long term goal:
- The department is planning to establish a research centre for Research and development in Civil Engineering.
- Expansion of the infrastructure, full-fledged undergraduate research centre with both theoretical and experimental wings, making lectures available online.

Action Plan:
- The Department has already started to modernize and expand laboratories.

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal, T.S.)
DEPARTMENT OF CIVIL ENGINEERING

Academic Audit for A.Y. 2020-21

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

HOD Typical comments/remarks are missing in IQAC Academic Audit form
Indicate meetings/ATR with objectives and issues resolved
Purpose and Procedure to decide makeup, remedial, revision and its impact to be mentioned in each session
Include counselor interactions, duration, periodicity, student benefits, impact in student counseling register
Maintain faculty cadre ratio as per AICTE norms
Redraft SWOC, Best Practices, Short and long term goals to focus on Academic and Industrial Research
Encourage students to take more online courses
Suggested to submit proposals to other funding agencies to enhance the research activity
Increase the number of alumni interactions/industrial resource persons
Suggested to organize workshops in association with industry/alumni as resource person

Date of Academic audit: 03.09.2021

Name & Signature of HoD: Dr.M. Veera Reddy, Professor & Head — *[signature]*.

Department Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1	**Prof.K.ESWARAIAH** Coordinator, IQAC, KITSW.	Chairperson	*[signature]*
2	Prof.T.SREENIVASULU Principal,KUCETW Dean,FoE&T,KU,Warangal.	External Member	*[signature]* 3/9/21
3	Prof.A. KUMAR Professor & Head Dept. of Mechanical Engineering, NIT, Warangal	External Member	*[signature]*
4	**Prof.V.RAJAGOPAL** Dean, Academic Affairs	Member	*[signature]*
5	**Prof.P.NIRANJAN** Dean, R&D, KITSW.	Member	*[signature]*

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(*An Autonomous Institute under Kakatiya University, Warangal, T.S.*)
DEPARTMENT OF MECHANICAL ENGINEERING

Academic Audit for A.Y. 2020-21

Date: 03.09.2021

Academic Year: 2020-21

DEPARTMENT ACADEMIC AUDIT

Please fill the following information (*pertaining to the previous academic year*):

Name of the Department	Mechanical Engineering
Head of the Department	Dr. K. Sridhar, Professor & Head
Department Academic Advisory Committee (DAAC)	Dr. K. Sridhar, Professor & Head
	Dr. K. Eswaraiah, Professor
	Dr. K. Raja Narender Reddy, Professor
	Dr. P. Srikanth, Professor
	Dr. U. Shrinivas Balraj, Professor
	Dr. G.Ganesh Kumar, Associate Professor
	Dr. P.Prabhakara Rao, Associate Professor
	Dr. A. Devaraju, Associate Professor
	Sri P.S.S. Murthy, Assistant Professor

A. Details of Programmes offered by the Department:

Programme Level	Name of the Programme	Year	Sanctioned Intake + Lateral entry	No. of students admitted	No. of students not registered	Whether NBA accredited?	Validation period of NBA accreditation along with File No. & date
UG	B. Tech - Mechanical Engineering	I	120	85	--	Yes	File No: 11-76/2010/NBA, 20.11.2019, 3 Years
		II	180 +18 = 198	172	--	Yes	File No: 11-76/2010/NBA, 20.11.2019, 3 Years
		III	180 + 36 = 216	196	--	Yes	File No: 11-76/2010/NBA, 20.11.2019, 3 Years
		IV	180 + 36 = 216	195	--	Yes	File No: 11-76/2010/NBA, 20.11.2019, 3 Years
PG	M. Tech – Design Engineering	I	30	12	--	No	--
		II	24	16	--	No	--
Ph.D.	Research Center Recognized Under KU	--	--	25	--	No	--

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DEPARTMENT OF MECHANICAL ENGINEERING

Academic Audit for A.Y. 2020-21

B. Faculty Information:

1.	Total Faculty in the Department	42
2.	No. of Faculty identified for B.Tech.I year *(considering fractional load)*	11
3.	No. of Faculty identified for UG (B.Tech. II, III & IV year) *(considering fractional load)*	28
4.	No. of Faculty identified for PG *(considering fractional load)*	03
5.	Faculty : Student ratio (FSR) for UG	1:20
6.	Faculty : Student ratio (FSR) for PG	1:20
7.	Faculty Cadre Ratio:	
	(i) No. of Professors	05
	(ii) No. of Assoc. Prof.	03
	(iii) No. of Asst. Prof.	24
	(iv) Faculty Cadre Ratio =	5:3:24
8.	Faculty Qualification:	
	(i) No. of Faculty with Ph.D.	19
	(ii) No. of Faculty with M.Tech/MBA	23
	(iii) No. of Faculty with B.Tech/MCA/MSc	--
9.	No. of faculty pursuing Ph.D.	15
10.	No. of faculty with degrees from IITs/NITs	16
11.	No. of faculty with degrees from Universities abroad	01
12.	No. of faculty identified as Research Supervisors by various Universities	06

C. Assessment Data

- *Please mention YES or NO in third column*
- *Mention Date of item (if any) in fourth column*
- *Required details can be filled in "Remarks by HoD" column - based on YES/NO stated in the third column*
- *If any response to any item is not of YES/NO type, please write full details in "Remarks by HoD" column*
- *Mention –N.A- if any data is irrelevant in"Remarks by HoD" column*

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
1.	New programs added	No	--	We are trying to strengthen the existing B. Tech and M. Tech programmes by ensuring 100% admissions. As per the administration policy, only one PG programme is allowed per branch	Satisfactory
2.	No. of UG Laboratories	Yes	--	• Total Labs as per curriculum:13 • Physical labs:11 • MoS, FM&HM lab will be dealt by Civil Engg. Dept. • JAVA lab will be dealt by IT Dept. • Labs are as per the guidelines of AICTE/UGC norms	Satisfactory
3.	No. of PG Laboratories	Yes	--	• Total Labs as per curriculum: 04 • Physical labs:04 • Labs are as per the guidelines of AICTE/UGC norms	Satisfactory
4.	New laboratories added	Yes	--	Composite Materials Lab is added with the cost of Rs.18,13,000/- (Eighteen lakhs thirteen thousand rupees)	----Good--
5.	Total cost of equipment in all laboratories	Yes	--	Total cost =Rs.2,29,61,484/- as per DPR	Satisfactory
6.	Cost of newly added equipment	Yes	--	Total cost=Rs.17,78,482/- as per the DPR	---Good----
7.	Curriculum revision done	Yes	12.11.2020 & 22.05.2021	• B. Tech VII & VIII Semester syllabus is revised and approved on 22.05.2021 • M. Tech (DE)-PRR20 scheme and syllabus is revised and approved on 12.11.2020	-----Good-----
8.	Survey taken from stakeholders on syllabus revision or course content	Yes	--	Exit feedback survey was taken from the students, parents, alumni, industry experts & recruiters	Please give highlights of Feedback
9.	Action taken report prepared on stakeholders feedback	Yes	--	As perthe feedback of the stakeholders, action taken report was prepared and **new courses** are introduced in the new curriculum of URR18 and PRR20	----Very Good---

10.	Survey reports available on website	No	--		During the due course of the time, survey reports will be made available in the website	---Good----
11.	Board of Studies meeting conducted	Yes	12.11.2020 &22.05.2021		• BoS meeting was conducted on 12.11.2020 for M. Tech (DE) PPR20 scheme and syllabus approval • BoS meeting was conducted on 22.05.2021 for B. Tech (ME) URR18 VII & VIII semester syllabus approval.	-----Good-----
12.	Syllabus is approved by Academic Council	Yes	12.06.2021		Academic Council meeting was conducted on 12.06.2021 to approve B. Tech (ME) URR18 VII & VIII semester syllabus and M. Tech (DE) PPR20 scheme and syllabus	Satisfactory
13.	UG Workload allotted to faculty	Yes	Odd Sem	27.07.2020	Avg. work load: 644/18=36 Faculty required:36 Faculty existing:36	Provide faculty cadre wise workload allotted
			Even Sem	02.02.2020		
14.	PG Workload allotted to faculty	Yes	OOD Sem	02.01.2021	Avg. work load: 46/03=15 Faculty required:03 Faculty existing:03	Provide faculty cadre wise workload allotted
			Even Sem	10.05.2021		
15.	Faculty Recruited	Yes	31.08.2021		No. of faculty recruited: 05	---Good-------
16.	Calendar for Dept. Association activities prepared	Yes	05.09.2020		Mechanical Engineering Students Association (MESA) events calendar was released	Provide the highlights of events
17.	Regular counselling of students is done	Yes	Every week on Friday		On every Friday lunch hour, students are supposed to meet their respective counsellors. However, they are free to contact the counsellors at any time if they are facing any difficulty at the institution level	Counseling system is good. Provide counselor interaction details, duration, period, student benefits etc
18.	Teaching schedules were uploaded into CMS before commencement of class work	Yes	OOD Sem	27.07.2020	• Every Semester one week before the commencement of the class work, all the faculty members are uploaded the teaching schedule of the concerned courses in the CMS • It is available in the respective course files • The same is available in the course web page	---Good----
			Even Sem	02.02.2020		
19.	Assignments were posted timely into CMS as per teaching schedule	Yes	--		• Posting of assignment was done as per the lecture schedule • It is available in the respective course files • The same is available in the course web page	Indicate date of posting
20.	Evaluation of assignments & posting of marks into CMS was done as per Assignment schedule	Yes	--		• Assignments are evaluated and posted the marks in CMS as per Lecture Schedule • It is available in the respective course files • The same is available in the course web page	Indicate date

21.	Regular Course Committee meetings (CCM) were conducted by Course coordinator	Yes	--	• Course Committee Meeting was conducted twice before MSE-I and MSE-II by course coordinators • It is available in the respective course files	Provide Highlights of CCM
22.	Action taken report was prepared on CCMs conducted	Yes	--	• Course coordinator in consultation with the remaining course faculty was prepared ATR on CCMs conducted • It is available in the respective course files	Provide details of issues resolved
23.	Online feedback taken from students before MSE-I	No	--	Due to pandemic situation, online feedback was not taken	-----NO---
24.	Class Representative Committee meetings (CRC-I) were conducted before MSE-I	Yes	--	Due to pandemic situation, CRC meetings are conducted through online mode.	Highlights of CRC
25.	Action taken report was prepared on CRC-I meetings conducted	Yes	--	Students have given satisfactory report on all course handling faculty	Provide summary of issues resolved
26.	Course Review meeting (CRM-I) conducted after MSE-I by HoD for courses of B.Tech II, III & IV year	Yes	--	• Course Review Meeting was conducted by HoD for all the courses to discuss the performance of the students in MSE-I examination • It is available in the respective course files	Highlights of MSE-I
27.	Action taken report prepared on CRM-I meetings conducted	Yes	--	• Course coordinator in consultation with the remaining course faculty was prepared ATR based on MSE-I results • It is available in the respective course files	Provide summary of issues resolved
28.	Student Progress report sent to parents after MSE-I	Yes	--	Student Progress report sent to the parents by registered post	Indicate date
29.	Remedial classes conducted as per timetable	Yes	--	Based on the performance of MSE-I and MSE-II, weak students are identified. Remedial classes were conducted for the above students.	Indicate dates of remedial classes conducted
30.	Online feedback taken from students before MSE-II	No	--	Due to pandemic situation, online feedback was not taken	Highlights of feedback
31.	Class Representative Committee meetings (CRC-II)were conducted before MSE-II	Yes	--	Due to pandemic situation, CRC meetings are conducted through online mode.	Brief details of CRC meeting
32.	Action taken report was prepared on CRC-II meetings conducted	Yes	--	Students have given satisfactory report on all course handling faculty	Issues resolved
33.	Course Review meeting (CRM-II) conducted after MSE-II by HoD for courses of B. Tech II, III & IV year	Yes	--	• Course Review Meeting was conducted by HoD for all the courses to discuss the performance of the students in MSE-II examination • It is available in the respective course files	Brief details of CRM-II

34.	Action taken report prepared on CRM-II meetings conducted	Yes	--	• Course coordinator in consultation with the remaining course faculty was prepared ATR based on MSE-II results • It is available in the respective course files	Indicate Issues resolved
35.	Dossier prepared for students having shortage of attendance	Yes	03.10.2020	Dossier was prepared for students having less than 75% of attendance	Satisfactory
36.	Students detained due to shortage of attendance	Yes	12.12.2020	One student was detained due to the shortage of attendance	Satisfactory
37.	Makeup classes were arranged for students writing supplementary exams	No	--	Due to pandemic situation, unable to conduct makeup classes for the students who are writing supplementary examinations	-No-
38.	Faculty using ICT based teaching	Yes	--	The faculty are delivering lectures using ICT tools like PPT, NPTEL videos, You tube videos etc.,	---Good--
39.	Additional teaching material (Handouts) were given to students	Yes	--	• Handouts in the form of additional teaching material from the reference books, journal, conference papers and patents were given to the students • The same is available in the course web page	Indicate the purpose and achievements
40.	NPTEL lectures screened	Yes	--	Faculty shown NPTEL lectures to the students in the digital library of the institution as per the time table	Indicate Total number of lectures screened
41.	Advancements in relevant areas (*published in Conference proceedings / journal papers*) were discussed in class (Course wise details)	Yes	--	• Every course faculty was discussed minimum two journal/ conference papers and two patents in the class • One question was asked in MSE-I and MSE-II on course research papers and course patents • The same is available in the course web page	Satisfactory
	Result analysis after ESE evaluation:				
42.	(i) CO, PO Direct attainments were calculated	Yes	--	Direct attainment:	Satisfactory
	(ii) Gaps were identified	Yes	--	• Meeting was conducted on the discussions of POs and PSOs attainment level for the batch 2017-21 • The Instructional gaps were identified covering both POs and PSOs from the analysis	Satisfactory
	(iii) Action to be taken reports prepared	Yes	--	The corresponding actions are taken to fill the gaps and indicated	

	(iv) Action taken reports prepared	Yes	--	Action taken reports prepared like. As a part of I2RE culture in the department, the students were asked to write 2 page summary of course research journal and patents to acquire the knowledge on real life challenges	Satisfactory
	(v) Minutes of Meetings recorded	Yes	21.07.2021	Meeting was conducted on the discussions of POs and PSOs attainment level for the batch 2017-21 and Minutes of meetings are recorded	Satisfactory
43.	Survey was conducted for Indirect Assessment of PO & PSO attainment	Yes	--	Survey was conducted for Indirect Assessment of PO & PSO attainment	Satisfactory
	(i) Exit survey	Yes	--	Exit survey from the graduate students was taken	Satisfactory
	(ii) Parent survey	Yes	--	Exit survey from the graduate parents was taken	Satisfactory
	(iii) Alumni survey	Yes	--	Exit survey from the Alumni was taken during their visit to the department	Satisfactory
	(iv) Recruiter survey	Yes	--	Exit survey from the Recruiter was taken during the time of recruitment	Satisfactory
44.	Indirect attainment of PO & PSO were calculated	Yes	--	Indirect attainment calculated based on the stakeholders feedback	Satisfactory but PO 6-1.35, Po10-1.28 and PO12-1.36 needs to be improved
45.	Overall attainment of PO & PSO of the batch was calculated	Yes	--	Overall attainment of PO & PSO of the batch 2017-21 was calculated based on the 80% from direct assessment and 20% indirect assessment	Satisfactory
46.	Workshops/FDPs were conducted for faculty	Yes	1. 7-11 July, 2020 2. June 29-3 July, 2020	Department organized two FDPs on 1. Recent Developments in Mechanical Engineering (RDME-2020) during 7-11 July, 2020 2. Advanced Materials and Manufacturing during June 29-3 July, 2020	Encourage to conduct more no. of FDP in line with Industrial need
47.	Faculty participated in Workshops/FDPs etc.,	Yes	--	Faculty members participated in 163 workshops/FDPs IIT: 10, NIT: 27 and Other organizations: 126	Satisfactory
48.	Faculty took online courses (NPTEL/SWAYAM MOOCs etc.)	Yes	--	Three faculty members completed NPTEL/MOOCs online courses in this academic year	Satisfactory
49.	Faculty published in Refereed journals	Yes	--	International: 33 Scopus: 08 SCI : 15 Others : 10	More focus on publications in SCI/Scopus

50.	Faculty published in Conference proceedings	Yes	--	International: 13	Satisfactory
51.	Faculty attended conferences for paper presentation	Yes	--	International: 13	Satisfactory
52.	Faculty won awards (*including best research paper award*)	Yes	--	03 Faculty members received NPTEL mentorship appreciation awards	Need to be improved
53.	Faculty Research proposals (Total cost in lakhs)				
	(i) Prepared	Yes	--	Number: 21 Amount: 3,88,64,550-00	Faculty advised to apply other funding agencies
	(ii) Submitted to Govt. agencies	Yes	--	Number: 03 Amount: 83,37,089-00	
	(iii) Sanctioned by Govt. agencies	No	--	Number: 00 Amount: 00	
	(iv) Submitted to Non-Govt. agencies	No	--	Number: 00 Amount: 00	
	(v) Sanctioned by Non-Govt. agencies	No	--	Number: 00 Amount: 00	
	(vi) Submitted under FRSS of Institute	No	--	In this academic year administration not call for FRSS proposals	
	(vii)Sanctioned under FRSS of Institute	No	--	No Proposals are sanctioned due to above reason	
	(viii) Total Sanctioned	No	--	--	
54.	Other proposals by faculty (Total cost in lakhs) (FDPs/Seminar Grants, etc.)				
	(i) Prepared	Yes	--	Number: 06 Amount: 25,65,400-00	Faculty advised to apply other funding agencies
	(ii) Submitted	Yes	--	Number: 01 Amount: 4,00,000-00	
	(iii) Total Sanctioned	Yes	--	Number: 01 Amount: 4,00,000-00	
55.	Consultancy projects undertaken	No	--	Department is striving hard to get industrial consultancy projects by contacting various industries	Suggested to start consultancy with minimum revenue generation
56.	*Any other Faculty achievements(not covered above)*	No	--	--	NIL
57.	Workshops/Seminars conducted for students	Yes	11-12 October, 2020 and 9 January, 2021	Number: 02 1. Department organized one day Workshop on "Aero modelling of Drones" part of Sumshodhini-20 on 11.10.2020 2. Fundamentals of MATLAB and applications in Mechanical Engineering course projects on 09.01.2021	Suggested to organize more workshops in association with Alumni as a resource person/ industry
58.	Interactive sessions arranged with alumni	Yes	--	03 Interactive sessions arranged with alumni	Suggested to increase the number of interactive sessions

59.	Students participated in academic activities at other institutes	No	--	Due to pandemic situation, students are not able to participate in academic activities	Satisfactory
60.	Students won Prizes in academic activities at other institutes	No	--	Due to pandemic situation, students are not able to won prizes in academic activities	Satisfactory
61.	Students participated in cultural activities at other institutes	No	--	Due to pandemic situation, students are not able to participate in cultural activities	Satisfactory
62.	Students won Prizes in cultural activities at other institutes	No	--	Due to pandemic situation, students are not able to won prizes in cultural activities	Satisfactory
63.	Students participated in sports activities at other institutes	N o	--	Due to pandemic situation, students are not able to participate in sports activities	Satisfactory
64.	Students won Prizes in sports activities at other institutes	No	--	Due to pandemic situation, students are not able to won prizes in sports activities	Satisfactory
65.	Students undergone internships	Yes	--	362 Students undergone internships	Satisfactory
66.	Students won "Best student project award"	No	--	Last year TCS was not invited any proposals for Best student project award	Institute will encourage students to do the best projects
67.	Any Innovations by students	No	--	Due to pandemic situation, Laboratories are closed. Hence, the students are not able to do any Innovative projects in last academic year	NIL
68.	Students took online courses (NPTEL/SWAYAM MOOCs etc.)	Yes	--	05 students completed 10 NPTEL courses	Suggested to increase the no of students to take up online courses
69.	Start-ups are incubated on campus	No	--	• I²RE building is under construction • Soon it will be established in the campus	Ok
70.	Students Placements				
	No. of students eligible for placements	121	--	121 students eligible for placements	Increase the placement ratio
	No. of students registered for T&P activity	121	--	121 students registered for T&P activity	Satisfactory
	No. of students placed	56	--	56 students placed in various companies	Satisfactory
	No. of students joined for Higher Education	06	--	M.S. Abroad: 05 M. Tech.: 01	Satisfactory
	No. of students secured Jobs in	Nil	--	Nil	NIL

	PSUs				
	No. of student Entrepreneurs	Nil	--	Nil	NIL
71.	*Other student achievements(not covered above)*	Nil	--	Nil	NIL
72.	Dept. Newsletters were released				
	(i) Odd semester	Yes	December, 2020	The Prodigy newsletter was released in the month of December, 2021	Satisfactory
	(ii) Even semester	Yes	June, 2021	The Prodigy newsletter was released in the month of June, 2021	Satisfactory
73.	Yearly Technical Magazine was released	Yes	July, 2021	The PRO-DIGY Magazine was released on July, 2021	Satisfactory
74.	Self Appraisal reports (PBAS) were submitted by all faculty	Yes	-	All faculty members submitted PBAS for the annual increment	Satisfactory
75.	Self Appraisal reports are submitted by all Non-teaching staff	Yes	-	All Non-teaching staff members submitted PBAS for the annual increment	Satisfactory
76.	Department Academic Advisory Committee (DAAC) meetings were held regularly	Yes	-	06 times Department Academic Advisory Committee meetings are conducted.	Mention outcome of the AAC
77.	Alumni visited the department (*not covered under Alumni interactive sessions above*)	Yes	--	Due to the pandemic situation, only one alumni visited the department	Satisfactory
78.	Alumni funding to the department (*if any*)	Yes	--	Volvo Engine cut section model was donated by G.V. Rao, Director-Corporate Social Responsibility & External Industry Affairs	Satisfactory
79.	MoUs signed /Collaborations established	Yes	02	NIT, Warangal and Volvo Group	Satisfactory
80.	*Any other Department Achievements (not covered above)*	No	--	--	NIL

D. Best Practices, SWOC Analysis, Shot Term and Long Term Goals:

Best Practices of the Department
A)Society for Automotive Engineers (SAE) India KITS Collegiate Club: ➢ SAEINDIA is India's leading resource for mobility technology. As an individual member-driven society of mobility practitioners the ownership of SAEINDIA wrests with its members who are Individuals from the mobility community, which includes Engineers Executives from Industry, Government Officials, Academics and Students   ➢ Established this club in the Year 2008 to expose students to various technical aspects of Automobile Industry.   ➢ Designed All Terrain Vehicles under SAE BAJA Competitions.   ➢ Participated in Virtual BAJA Competitions.   ➢ Bagged Eight Prizes at National Level in last decade.   **B)** Frequent interaction of prominent alumni (Entrepreneurs /scientists/academicians /businessmen) with students under MESA.

SWOC Analysis of the Department
Strengths: 1. Well qualified and experienced faculty with doctoral degrees.   2. Faculty research publications in peer reviewed reputed journals -SCI/SCOPUS/WOS.   3. Department is equipped with 13 Laboratories including Central Workshop and separate CAD lab with necessary software and fairly good experimentation facilities   4. Recognized Research centre by Kakatiya University, Warangal   5. Accomplished and well settled alumni in various domains in India and abroad   6. Skilled and experienced supporting staff   7. Conduction of various activities like workshops, technical symposium, co-curricular activities by MESA for students.   8. IAAH Project: Centre of excellence, doing Collaborative work with University of Pittsburgh Medical Centre (UPMC) to design, manufacture and market a Total Artificial Heart (TAH).   9. Good faculty retention ratio.
Weakness: 1. Advanced research facilities   2. Funding for research activities   3. Industrial consultancy work   4. Funded research projects   5. Intellectual property rights

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(*An Autonomous Institute under Kakatiya University, Warangal, T.S.*)
DEPARTMENT OF MECHANICAL ENGINEERING

Academic Audit for A.Y. 2020-21

Opportunities:
1. New disruptive and industry oriented courses and laboratories.
2. Strengthening of advanced research facilities
3. Project proposals to UGC, DST, AICTE and other funding agencies
4. Placements in core industries.

Challenges:
1. Quality of intake students and large variation in ranks of the students
2. 100% admissions in B. Tech(Mechanical Engineering) and M. Tech(Design Engineering) programs
3. Trend towards admission in circuit branches
4. Compete with premier institutes in research and technical education
5. Industrial consultancy and industrial development
6. Socio-economic development of this region

Short Term Goals of the Department
1. Establishment of Robotics Lab
2. Modernization of Metallurgy Lab
3. Establishment of Gas Turbine Lab
Long Term Goal of the Department
1. To promote Industry oriented research and consultancy work.
2. To obtain patents in the areas of Mechanical and allied research.
3. To Collaboration with premier institutions in India and abroad.
4. To purchase SEM equipment and Vibration analyzer
5. To purchase Infrared camera and high speed visualization camera for Heat Transfer Analysis
6. To purchase kd2 flow thermal analyzer and Sonicator with booster for performing nano fluid analysis

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15

(An Autonomous Institute under Kakatiya University, Warangal, T.S.)

DEPARTMENT OF MECHANICAL ENGINEERING

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

HOD Typical comments/remarks are missing in IQAC Academic Audit form
Indicate meetings/ATR with objectives and issues resolved
Purpose and Procedure to decide makeup, remedial, revision and its impact to be mentioned in each session
Include counselor interactions, duration, periodicity, student benefits, impact in student counseling register
Maintain faculty cadre ratio as per AICTE norms
Redraft SWOC, Best Practices, Short and long term goals to focus on Academic and Industrial Research
Encourage the students to take more online courses
Suggested to submit proposals to other funding agencies to enhance the research activity
Increase the number of alumni interactions/industrial resource persons
Suggested to organize workshops in association with industry/alumni as resource person
Suggested to start consultancy with minimum revenue generation

Date of Academic audit: 03.09.2021

Name & Signature of HoD: Prof. K. SRIDHAR

Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

DEPARTMENT ACADEMIC AUDIT

Academic Year: 2020-21

Date: 02-09-2021

Please fill the following information (*pertaining to the previous academic year*):

Name of the Department	Electronics & Instrumentation Engineering	
Head of the Department	Dr. M. Raghu Ram,	
Department Academic Advisory Committee (DAAC)	Dr. M. Raghu Ram, *Assoc. Professor & Head*	Chairperson
	Dr. K. Venumadhav, *Professor*	Member
	Smt. M .Sreelatha, *Professor*	Member
	Dr. K. Sivani, *Professor*	Member
	Smt. R. Nirmala Devi, *Assoc. Professor*	Member
	Sri O. Anjaneyulu, *Assoc. Professor*	Member

A. Details of Programmes offered by the Department:

Programme Level	Name of the Programme	Year	Sanctioned Intake + Lateral entry	No. of Students Admitted	No. of Students Not Registered	Whether NBA Accredited?	Validation period of NBA Accreditation along with File No. &Date
UG	B.Tech - E & I Engineering	I	60	--	--	Yes	**Provisionally accredited for 03 years** *w.e.f.* **01.07.2018** *F. No. 11-76/2010/NBA dated 29.03.2018*
		II	60+12	44+07 = 51	--		
		III	60+12	54+7 = 61	--		
		IV	60+12	49+10 = 59	--		
PG	M.Tech -	I	18	12	--	No	NA
		II	18	18	--		
Ph.D.			02/Supervisor/year	--	--	NA	NA

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(*An Autonomous Institute under Kakatiya University, Warangal, T.S.*)
DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING

Academic Audit for A.Y. 2019-20

B. **Faculty Information:**

1.	Total Faculty in the Department	14
2.	No. of Faculty identified for B.Tech. I year *(considering fractional load)*	--
3.	No. of Faculty identified for UG (B.Tech. II, III & IV year) *(considering fractional load)*	11
4.	No. of Faculty identified for PG *(considering fractional load)*	03
5.	Faculty : Student ratio (FSR) for UG	1:12
6.	Faculty : Student ratio (FSR) for PG	1:10
7.	Faculty Cadre Ratio:	
	(i) No. of Professors	03
	(ii) No. of Assoc. Prof.	03
	(iii) No. of Asst. Prof.	08
	(iv) Faculty Cadre Ratio =	3:3:8
8.	Faculty Qualification:	
	(i) No. of Faculty with Ph.D.	04
	(ii) No. of Faculty with M.Tech/MBA	10
	(iii) No. of Faculty with B.Tech/MCA/MSc	Nil
9.	No. of faculty pursuing Ph.D.	10
10.	No. of faculty with degrees from IITs/NITs	04
11.	No. of faculty with degrees from Universities abroad	Nil
12.	No. of faculty identified as Research Supervisors by various Universities	01

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Academic Audit for A.Y. 2019-20

C. Assessment Data

- *Please mention YES or NO in third column*
- *Mention Date of item (if any) in fourth column*
- *Required details can be filled in "Remarks by HoD" column - based on YES/NO stated in the third column*
- *If any response to any item is not of YES/NO type, please write full details in "Remarks by HoD" column*
- *Mention –N.A- if any data is irrelevant in"Remarks by HoD" column*

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
1.	New programs added	Nil	--	--	Ok
2.	No. of UG Laboratories	10	--	Labs are as per AICTE requirement	Satisfactory
3.	No. of PG Laboratories	02	--	One Research laboratory + one Laboratory is shared by both UG and PG programmes	Satisfactory
4.	New laboratories added	No	--	Existing labs are as per AICTE requirement	Satisfactory
5.	Total cost of equipment in all laboratories	Yes	--	Rs 1,25,49,439.00 worth equipment procured for the laboratory	Good
6.	Cost of newly added equipment	Yes	--	Equipment added in PC lab & IoT lab. Rs. 85,390.00	Good
7.	Curriculum revision done	Yes	24.05.2021 & 11.11.2020	Scheme & Syllabi of B. Tech. (EIE) VII & VIII semesters approved by BoS- UG on 24.05.2021 Scheme & Syllabi of M. Tech. (VE) all semesters approved by BoS-PG on 11.11.2020	Indicate objectives and Impact
8.	Survey taken from stakeholders on syllabus revision or course content	Yes	During A.Y. 2020-21	Survey/ Feedback forms collected online through mail & *sample copy enclosed*	Provide highlights of Survey
9.	Action taken report prepared on stakeholders feedback	Yes	During A.Y. 2020-21	*Sample action taken report enclosed*	Provide brief report on ATR – Issues Resolved
10.	Survey reports available on website	Yes	--	https://kitsw.ac.in/departments/EI/home.html	Satisfactory
11.	Board of Studies meeting conducted	Yes	24.05.2021 & 11.11.2020	*MoMs of BoS- UG on 24.05.2021 & BoS-PG on 11.11.2020 are enclosed* *Agenda of BoS- UG on 24.05.2021:*	Satisfactory

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				Scheme & Syllabi of B. Tech. (EIE) VII & VIII semesters approved by BoS- UG *Agenda of BoS-PG on 11.11.2020:* Scheme & Syllabi of M. Tech. (VE) all semesters approved by BoS-PG	
12.	Syllabus is approved by Academic Council	Yes	12.06.2021	Scheme & Syllabi of B. Tech. (EIE) VII & VIII semesters and of M. Tech. (VE) all semesters is approved	Satisfactory
13.	UG Workload allotted to faculty	Yes	--	Avg. work load: 181/11 =16.5 Faculty required: 12; Faculty existing: 11 *Avg. work load allotted to Prof.: 10 Hrs, Assoc. Prof.: 14; Asst. Prof.: 18*	Satisfactory
14.	PG Workload allotted to faculty	Yes	--	Avg. work load: 28/03=9.3 Faculty required:28/15=1.9; Faculty existing:03 *Avg. work load allotted to Prof.: 10 Hrs, Assoc. Prof.: 14; Asst. Prof.: 18*	Satisfactory
15.	Faulty Recruited	No	--	Existing faculty is as per the requirement	Ok
16.	Calendar for Dept. Association activities prepared	Yes	During A.Y. 2020-21	*EIEA/SAC Calendar enclosed*	Provide brief description of events
17.	Regular counselling of students is done	Yes	Biweekly	*Sample counselling reports enclosed*	Counselling system is good. Provide brief description and Impact of counselling
18.	Teaching schedules were uploaded into CMS before commencement of class work	Yes	One week before the commencement of classwork in both odd & even semesters	Teaching schedules are uploaded in Course web	Satisfactory
19.	Assignments were posted timely into CMS as per teaching schedule	Yes	--	ATLP, Regular & Special Assignments & Solutions are uploaded in Course web as notified in the teaching schedule	Satisfactory
20.	Evaluation of assignments & posting of marks into CMS was done as per Assignment schedule	Yes	--	Evaluation is completed as per the timeline notified by CoE. Marks are posted in CMS & Marks reports are uploaded in Course web	Satisfactory

21.	Regular Course Committee meetings (CCM) were conducted by Course coordinator	Yes	--	Regular department meetings are held to ensure timely posting of TS, Assignments and solutions. *CCM minutes are enclosed*	Provide briefly-meeting objectives and conclusions
22.	Action taken report was prepared on CCMs conducted	Yes	--	*Action taken report enclosed*	Provide brief report on ATR
23.	Online feedback taken from students before MSE-I	Yes	--	Feedback taken from central office in view of T-L process through online mode.	Provide brief description of feedback results
24.	Class Representative Committee meetings (CRC-I) were conducted before MSE-I	Yes	*Odd sem*: B. Tech. (EIE): 09.09.2020, 10.09.2020 & 11.09.2020 *Even sem*: B. Tech. (EIE): 24.03.2021, 05.04.2021, 06.04.2021 & M. Tech. (VE): 30.06.2021	*CRC-1 meetings minutes are enclosed*	Provide brief summary of CRC minutes
25.	Action taken report was prepared on CRC-I meetings conducted	Yes	--	*Action taken report enclosed*	Provide brief report on ATR
26.	Course Review meeting (CRM-I) conducted after MSE-I by HoD for courses of B.Tech II, III & IV year	Yes	--	*CRM minutes are enclosed*	Ok
27.	Action taken report prepared on CRM-I meetings conducted	Yes	--	*Action taken report enclosed*	Satisfactory
28.	Student Progress report sent to parents after MSE-I	Yes	--	Progress reports were made available to students & parents through CMS	Satisfactory
29.	Remedial classes conducted as per timetable	No	--	Unable to conduct remedial classes during covid-19 pandemic. Required inputs were given through material/ handouts posted in course web.	Ok

30.	Online feedback taken from students before MSE-II	Yes	--	Feedback taken from central office in view of T-L process through online mode.	Provide brief description of feedback results
31.	Class Representative Committee meetings (CRC-II) were conducted before MSE-II	Yes	*Odd sem*: B. Tech. (EIE): 03.12.2020, 05.12.2020 *Even sem*: B. Tech. (EIE): 05.05.2021, 08.05.2021 & 10.05.2021 M. Tech. (VE): 12.08.2021	*CRC-2 meetings minutes are enclosed*	Satisfactory
32.	Action taken report was prepared on CRC-II meetings conducted	Yes	--	*Action taken report enclosed*	Provide brief description of ATR
33.	Course Review meeting (CRM-II) conducted after MSE-II by HoD for courses of B.Tech II, III & IV year	Yes	--	*CRM –II minutes are enclosed*	Satisfactory
34.	Action taken report prepared on CRM-II meetings conducted	Yes	--	*Action taken report enclosed*	Satisfactory
35.	Dossier prepared for students having shortage of attendance	No	--	During Covid-19 pandemic period, students were not detained due to shortage of attendance	Ok
36.	Students detained due to shortage of attendance	No		During Covid-19 pandemic period, students were not detained due to shortage of attendance	Ok
37.	Makeup classes were arranged for students writing supplementary exams	No	--	Unable to conduct Makeup classes during covid-19 pandemic. Required inputs were given through material/ handouts posted in course web.	Ok
38.	Faculty using ICT based teaching	Yes	--	*List of ICT based tools used for T-L process is enclosed*	Satisfactory
39.	Additional teaching material (Handouts) were given to students	Yes	--	Handouts are uploaded for every course in course web. *Sample copy of handout enclosed*	Satisfactory

40.	NPTEL lectures screened	Yes	--	*List of NPTEL lectures screened is enclosed*	Provide no of NPTEL lectures screened
41.	Advancements in relevant areas (*published in Conference proceedings / journal papers*) were discussed in class (Coursewise details)	Yes	--	*List of Refereed Journals/ Conferences topics discussed in class is enclosed*	Provide briefly student benefits/Impact
42.	Result analysis after ESE evaluation:				
	(i) CO, PO Direct attainments were calculated	Yes	--	Direct attainment: < 1.5	Satisfactory
	Gaps were identified & Action to be taken reports prepared and Minutes of Meetings recorded	Yes	--	Gaps were identified based on CO, PO Direct attainment calculations. *Action to be taken reports prepared & enclosed.*	Satisfactory
					Satisfactory
					Satisfactory
					Satisfactory
43.	Survey was conducted for Indirect Assessment of PO & PSO attainment				Satisfactory
	(i) Exit survey	Yes	--	*Sample copy enclosed*	Satisfactory
	(ii) Parent survey	Yes	--	*Sample copy enclosed*	Satisfactory
	(iii) Alumni survey	Yes	--	*Sample copy enclosed*	Satisfactory
	(iv) Recruiter survey	Yes	--	*Sample copy enclosed*	Satisfactory
44.	Indirect attainment of PO & PSO were calculated	Yes	--	Indirect attainment calculated from the surveys circulated to parents, alumni, recruiter & outgoing students.	Satisfactory, but Po6 - 1.35 -needs to be improved
45.	Overall attainment of PO & PSO of the batch was calculated	Yes	--	*Sample copy enclosed*	Satisfactory
46.	Workshops/FDPs were conducted for faculty	yes	--	02 *One FDP on VLSI & One FDP on AI*	Suggested to conduct more FDP
47.	Faculty participated in Workshops/FDPs etc.,	Yes	--	Number: - **34** **Student workshops on Industry 4.O emerging areas**	Satisfactory

48.	Faculty took online courses (NPTEL/SWAYAM MOOCs etc.)	Yes	--	02	Encourage faculty to take more online courses
49.	Faculty published in Refereed journals	Yes	NOV 2020	<u>International: 05 (Number)</u> (a) Scopus: -- (b) SCI : 05 (c) Others : -- <u>National: (Number)</u> (a) Scopus: -- (b) SCI : -- (c) Others : --	Suggested to publish a more number of journals
50.	Faculty published in Conference proceedings	Yes	SEP 2020	<u>International: 05 (Number)</u> (a) Scopus: -- (b) SCI : 05 (c) Others : -- <u>National: (Number)</u> (a) Scopus: -- (b) SCI : -- (c) Others : --	Satisfactory
51.	Faculty attended conferences for paper presentation	Yes	July 2021	International: 01 National: --	Suggested to conduct more number of conferences
52.	Faculty won awards (*including best research paper award*)	No	--	--	
53.	Faculty Research proposals (Total cost in lakhs)				
	(i) Prepared	YES	AUG 2020	Number: 10 Amount: 35,28,800/-	Satisfactory
	(ii) Submitted to Govt. agencies	NO	--	Number: Amount:	Please provide the HoD remarks. Suggested submit proposals to other funding agencies
	(iii) Sanctioned by Govt. agencies	NO	--	Number: Amount:	
	(iv) Submitted to Non-Govt. agencies	NO	--	Number: Amount:	
	(v) Sanctioned by Non-Govt. agencies	NO	--	Number: Amount:	

	(vi) Submitted under FRSS of Institute	NO	--	Number: Amount:	
	(vii) Sanctioned under FRSS of Institute	NO	--	Number: Amount:	
	(viii) Total Sanctioned	NO	--	Number: Amount:	
54.	Other proposals by faculty (Total cost in lakhs) (FDPs/Seminar Grants, etc.)				
	(i) Prepared	NO	--	Number: Amount:	Please provide the HoD remarks.
	(ii) Submitted	NO	--	Number: Amount:	
	(iii) Total Sanctioned	NO	--	Number: Amount:	
55.	Consultancy projects undertaken	NO	--	Number: Amount:	
56.	*Any other Faculty achievements (not covered above)*	**YES**	--	MODROBS of worth Rs. 15.00 Lakhs sanctioned to Process Control Lab in the year 2019-20. *Project status is ongoing.*	
57.	Workshops/Seminars conducted for students	**YES**	--	Number: **01**	Ok
58.	Interactive sessions arranged with alumni	**YES**	--	Number: **04**	Ok
59.	Students participated in academic activities at other institutes	**YES**	--	Number**: 13**	Satisfactory
60.	Students won Prizes in academic activities at other institutes	**NO**	--	Due to pandemic students not participated in academic activities at other institutes	
61.	Students participated in cultural activities at other institutes	**NO**	--	Due to pandemic students not participated in cultural activitiesat other institutes	
62.	Students won Prizes in cultural activities at other institutes	**NO**	--	Number: Amount (*if any*):	
63.	Students participated in sports activities at other institutes	**NO**	--	Due to pandemic students not participated in sports activities at other institutes	
64.	Students won Prizes in sports activities at other institutes	**NO**	--	Number: Amount (*if any*):	
65.	Students undergone internships	**YES**	During June/July 2021	Number:112	Satisfactory

66.	Students won "Best student project award"	**YES**	--	Number:05 Certificate is to be awarded	Satisfactory
67.	Any Innovations by students	**YES**	--	02 projects named IoT based Green House Monitoring System&IoT based smart reader system for visually challenged persons identified as Innovative projects executed by B.Tech. (EIE) students as part of their final year Major project works.	Satisfactory
68.	Students took online courses (NPTEL/SWAYAM MOOCs etc.)	**YES**	--	01	Encourage students to take more online courses
69.	Start-ups are incubated on campus	NO	--	--	Ok
70.	Students Placements				
	No. of students eligible for placements	**33**		--	Satisfactory
	No. of students registered for T&P activity	**33**		List enclosed	Satisfactory
	No. of students placed	**21**	Academic Year 2020-21	List enclosed	Satisfactory
	No. of students joined for Higher Education	**04**		M.S. Abroad: 04 M.Tech.: -- MBA: --	Satisfactory
	No. of students secured Jobs in PSUs	--		--	NIL
	No. of student Entrepreneurs	--		--	NIL
71.	*Other student achievements(not covered above)*	--		--	NIL
72.	Dept. Newsletters were released				
	Yearly	**YES**	December 2020	Department Newsletter released on 12.12.2020	Satisfactory
					Satisfactory
73.	Yearly Technical Magazine was released	**YES**	December 2020	Department Technical Magazine **SCOPE** magazine released on 12.12.2020	Satisfactory
74.	Self Appraisal reports (PBAS) were submitted by all faculty	**YES**	June 2020	*Consolidated statement of PBAS Submitted to Principal is enclosed*	Satisfactory

75.	Self Appraisal reports are submitted by all Non-teaching staff	**YES**	June 2020	*Consolidated statement of PBAS Submitted to Principal is enclosed*	Satisfactory
76.	Department Academic Advisory Committee (DAAC) meetings were held regularly	**YES**	Twice in semester	*Minutes of the meetings are enclosed*	Satisfactory
77.	Alumni visited the department (*not covered under Alumni interactive sessions above*)	**YES**	--	The department organises interactive sessions with pre final & final year students Whenever alumni visits department. A total of 4 Alumni Interaction events are organised during 2020-21 academic year	Suggested to increase the number of interactions
78.	Alumni funding to the department (*if any*)	**YES**	--	*Details enclosed*	Please mention the amount details
79.	MoUs signed /Collaborations established	NO	--	--	NIL
80.	*Any other Department Achievements (not covered above)*	NIL	--	--	NIL

D. Best Practices, SWOC Analysis, Shot Term and Long Term Goals:

Best Practices of the Department
• Strong student mentoring system
• Department News Letter and Magazine are published biannually
• College Management System to monitor student attendance and performance
• Group learning is encouraged through various activities of E & I Engg Association
• Student internships are encouraged
• Frequent alumni interactions and expert lectures are arranged
• Students are trained in core areas to support placement drives
• Students are encouraged to take up projects related to social concern
• Certification courses are regularly offered by the department under centre of excellence-NI LabVIEW Academy
• Higher education assistance is provided to students
• Additional measures to improve the performance of weak learners
• Separate counselling for girl students
• Regular industrial visits are arranged
• Workshops and FDPs are organized on emerging fields of engineering
• Technical and cultural FESTs are organized annually

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- Students are encouraged to enrol in NCC/NSS and various professional bodies
- Various technical events are organized under IEEE/IETE/ISTE student

SWOC Analysis of the Department
Strengths:

Strengths:

- The Department has a "Research Centre" recognized by the Kakatiya University, Warangal and runs a doctoral programme leading to Ph.D degree.
- Research Scholars are working in various diversified fields of Electronics and Instrumentation Engineering, such as Virtual Instrumentation, Biomedical instrumentation, Signal Processing, VLSI and Embedded Systems, etc.
- Department has state of the art laboratories such as Virtual and Bio medical Instrumentation Lab, Electronic-CAD Lab, Process Control Lab, Microprocessors and Microcontrollers Lab, etc.
- B.Tech. program is accredited by the National Board of Accreditation (NBA), New Delhi.
- The department has strong support from Alumni, working in various premier institutes and top class industries. EIE alumni have funded Project works laboratory of the department for a worth of 8 lakhs. Prominent Alumni include:
    - Dr. V. Ramgopal Rao (Batch 1982-86), Professor & Head, Nanotechnology division, IITB, Bombay
    - Sri Ashuthosh Rana (Batch 1981-85), Founder & CEO, ACTIFIO. Inc, Hyderabad
    - Dr. T. K. Sai (Batch 1982-86), DGM (Operations), NTPC, Ramagundam
- The Department has highly qualified, committed & experienced faculty and dedicated technical & supporting staff.
    - Faculty of the department has expertise in various diversified fields like Biomedical Instrumentation, Signal Processing, Embedded Systems and VLSI.
    - Faculty members are actively involved in research activities and have good number of research publications to their credit.

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Weakness:
- Majority of the students admitted into the UG program are from rural background with less exposure and poor communication skills.

Opportunities:
- The students have opportunities in Industries related to Power, Textiles, Cement, Petrochemicals, Pharmaceuticals, Chemical, Food processing, VLSI, Signal processing, Optical & Laser based communications, Wireless communications and Embedded Systems etc.
- Department faculty has wide scope for carrying research projects.

Challenges:
- Core placements and Higher Education in Electronics specialization and are the two major challenges faced by the department.

Short Term Goals of the Department	
Short term goal1: To strengthen research activity in the area of Biomedical signal processing and Instrumentation in collaboration with renowned educational institutes and specialized hospitals.	**Action Plan:**Research scholars and other faculty who are working in the area of Biomedical signal processing and Instrumentation are advised to identify and establish contact with renowned educational institutes and specialized hospitals and organize FDPs, Workshops
Short term goal 2: To strengthen research activity in the area of VLSI in collaboration with renowned industries.	**Action Plan:**Research scholars and other faculty who are working in the area of VLSI are advised to identify and establish contact with relevant industry experts and organize FDPs, Workshops in the area of VLSI
Long Term Goal of the Department	
Long term goal: To focus on more number of Research projects in collaboration with industries and Consultancy services. **Action Plan:** To prepare good number of project proposals by taking the guidance of experts in the concerned fields and to approach Consultancy Services if required.	

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Overall Suggestions / Remarks by Department Academic Audit Committee Members:

HOD Typical comments/remarks are missing in IQAC Academic Audit form
Indicate meetings/ATR with objectives and issues resolved
Purpose and Procedure to decide makeup, remedial, revision and its impact to be mentioned in each session
Include counsellor interactions, duration, periodicity, student benefits, impact in student counselling register
Maintain faculty cadre ratio as per AICTE norms
Redraft SWOC, Best Practices, Short and long term goals to focus on Academic and Industrial Research
Encourage the students to take more online courses
Suggested to submit proposals to other funding agencies to enhance the research activity
Increase the number of alumni interactions/industrial resource persons
Suggested to start consultancy with minimum revenue generation

Date of Academic audit: 02-09-2021

Name & Signature of HoD: Dr. M. Raghu Ram, *Assoc. Professor &Head*

Department Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

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DEPARTMENT ACADEMIC AUDIT

Academic Year 2020-21

Date:-02-09-2021

Please fill the following information (*pertaining to the previous academic year*):

Name of the Department	EEE
Head of the Department	Dr.C.Venkatesh
Department Academic Advisory Committee (DAAC)	1. Dr.C.Venkatesh **Chairman** 2. Prof.V.Ramaiah 3. Dr.V.Rajagopal 4. Sri M.Narasimha Rao 5. Dr. G.Rajender 6. Dr. B.Jagadish Kumar 7. Dr. G.Rajender Naik 8. Dr.G.Sudheer Kumar 9. Dr.B.Vijay Kumar**Convenor**

A. Details of Programmes offered by the Department:

Programme Level	Name of the Programme	Year	Sanctioned Intake + Lateral entry	No. of students admitted	No. of students not registered	Whether NBA accredited?	Validation period of NBA accreditation along with File No. & date
UG	B.Tech - EE Engineering	I	120	97	--	YES	File No.11-76-2010-NBA dated 20.11.2019 3 Years AY2019-20 to 2021-22
		II	120 + 12 = 132	129	-		
		III	120 + 12 =132	131	-		
		IV	120 + 24 = 144	139	-		
PG	M.Tech -	I	30	22	-	No	---
		II	18	16	-		--

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B. Faculty Information:

1.	Total Faculty in the Department	34
2.	No. of Faculty identified for B.Tech.I year *(considering fractional load)*	5
3.	No. of Faculty identified for UG (B.Tech. II, III & IV year) *(considering fractional load)*	26
4.	No. of Faculty identified for PG *(considering fractional load)*	3
5.	Faculty : Student ratio (FSR) for UG	1:15.69
6.	Faculty : Student ratio (FSR) for PG	1:16
7.	Faculty Cadre Ratio:	
	(i) No. of Professors	3
	(ii) No. of Assoc. Prof.	6
	(iii) No. of Asst. Prof.	25
	(iv) Faculty Cadre Ratio =	3:6:25
8.	Faculty Qualification:	
	(i) No. of Faculty with Ph.D.	18
	(ii) No. of Faculty with M.Tech/MBA	16
	(iii) No. of Faculty with B.Tech/MCA/MSc	NIL
9.	No. of faculty pursuing Ph.D.	9
10.	No. of faculty with degrees from IITs/NITs	11
11.	No. of faculty with degrees from Universities abroad	NIL
12.	No. of faculty identified as Research Supervisors by various Universities	01

C. Assessment Data

- *Please mention YES or NO in third column*
- *Mention Date of item (if any) in fourth column*
- *Required details can be filled in "Remarks by HoD" column - based on YES/NO stated in the third column*
- *If any response to any item is not of YES/NO type, please write full details in "Remarks by HoD" column*
- *Mention –N.A- if any data is irrelevant in"Remarks by HoD" column*

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
1.	New programs/sections added	NO	--	Dept. Is having faculty with PhDs in the area of Power Electronics & Power Systems. M. Tech-Power Electronics programme started from AY 2013-14 M.Tech-Power Systems programme may be proposed. Due to pandemic situation, proposal for starting M.Tech –Power Systems programme will be initiated next AY.	Good
2.	No. of UG Laboratories	YES	--	B.Tech – EEE has two section intake and hence six labs are required for UG and one BEE lab for UG-I year. 10 Labs exist in the Department.	Very Good
3.	No. of PG Laboratories	YES	--	M.Tech-PE requires 2 PG labs. 02 (Exclusive) + 2 (Shared);	Good
4.	New laboratories added	NIL	-	Proposal is submitted to Principal office for establishing Power Quality cum Research Lab to cater hardware & testing facility	Good
5.	Total cost of equipment in all laboratories	YES	-	Total cost of equipment in all laboratories: Rs. 1,04,94,803.00/-	Very Good

6.	Cost of newly added equipment	YES		Cost of newly added equipment is Rs. 1,24,886.00/- for Control Systems and MATLAB software for PES lab and Campus wide license	Very Good
7.	Curriculum revision done	YES	12.11.2020 22.5.2021	New curriculum for M.Tech PE from I to IV sem under PRR-20 was framed and BoS approval obtained on 12.11.2020. Scheme and syllabus copy are attached. URR-18 syllabus revision done for B.Tech EEE VII & VIII semesters and BoS approval obtained on 22.5.2021. Scheme and syllabus copy are attached.(File AA_C3)	Satisfactory
8.	Survey taken from stakeholders on syllabus revision or course content	YES	March 2021	Survey taken from Students and Alumni. Some of the alumni suggested including courses on renewable Energy applications in distribution Systems. MGDG course is included in VII semester. (Attached in File AA_C3)	Good Summary
9.	Action taken report prepared on stakeholders feedback	YES	12.05.2021	MGDG course is considered for syllabus revision for VII semester in DAAC meeting held on 12.05.2021 and forwarded for approval with BoS. (File AA_C3)	Very Good
10.	Survey reports available on website	YES		Uploaded in website	Ok
11.	Board of Studies meeting conducted	YES	12.11.2020 22.5.2021	Syllabus of M.Tech PE from I to IV sem under PRR-20 approved. BOS MOM is attached in File AA_C3 Syllabus of B.Tech EEE VII& VIII sem under URR18 are approved	Good

12.	Syllabus is approved by Academic Council	YES	12.06.2021	Syllabus of B.Tech EEE VII& VIII sem and common courses under URR18 are approved. New curriculum for M.Tech-PE is approved. AC minutes enclosed in File AA_C3	Good
13.	UG Workload allotted to faculty	YES		Avg. work load:165.5 per semester Faculty required:26 Faculty existing:26(File AA_C4)	UG Workload allotment as per faculty cadre basis
14.	PG Workload allotted to faculty	YES		Avg. work load:24 per semester Faculty required: 03 Faculty existing: 03(File AA_C4)	PG Workload allotment as per faculty cadre basis
15.	Faulty Recruited	YES		No. of faculty recruited:04 List of faculty recruited in AY 2020-21 is attached in File AA_C4	Satisfactory
16.	Calendar for Dept. Association activities prepared	YES		Dept. Association activities for academic year 2020-21; (File AA_C5)	Brief details
17.	Regular counselling of students is done	YES		Faculty counsellors are contacting regularly with their counselees (Online, due to pandemic) in counsel and mentor on attendance, online learning, (Sample Reports attached; File AA_C6)	Provide brief details of Counselor interaction details, duration, periodicity, benefits may be recorded
18.	Teaching schedules were uploaded into CMS before commencement of class work	YES		Teaching Schedules of UG and PG are prepared by all faculty and uploaded in Course Web before the semester class work starts. (Attached in File AA_C7)	Satisfactory
19.	Assignments were posted timely into CMS as per teaching schedule	YES		Weekly assignments and Main Assignments 1 & 2 of UG and PG courses are shared to students through CourseWeb. (Attached in File AA_C7)	Satisfactory

20.	Evaluation of assignments& posting of marks into CourseWeb was done as per Assignment schedule	YES		Assignment 1 & 2 are evaluated and marks sheet are uploaded in Course Web. (Reports enclosed in AA_C7)	Provide brief details of evaluations and conclusions
21.	Regular Course Committee meetings (CCM) were conducted by Course coordinator	YES		Course coordinators followed up with course teachers and discussed in CCM (Reports enclosed in AA_C8)	Provide CCM Minutes briefly
22.	Action taken report was prepared on CCMs conducted	YES		Action taken reports are prepared by respective CCs and Minutes noted. (Reports enclosed in AA_C8)	Provide brief details of ATR
23.	Online feedback taken from students before MSE-I	YES	31.08.2020 01.09.2020	Due to online classwork, CRC meeting conducted online through Google Meet on status of syllabus coverage and issues in learning. (File AA_C9)	Provide brief details on Feedback reports
24.	Class Representative Committee meetings (CRC-I) were conducted before MSE-I	YES	03.09.2020 08.03.2021 09.03.2021 10.03.2021		Satisfactory
25.	Action taken report was prepared on CRC-I meetings conducted	YES		Feedback obtained from CRC-I meeting are shared to faculty and was informed online.(File AA_C9)	Satisfactory
26.	Course Review meeting (CRM-I) conducted after MSE-I by HoD for courses of B.Tech II, III & IV year	YES	29.09.2020 30.09.2020	CRM-I meeting was conducted on 29 &30.09.2020. Faculty were informed to plan extra classes for students having less marks. ATTRs are written. (File AA_C10)	Good
27.	Action taken report prepared on CRM-I meetings conducted	YES	08.10.2020	Based on the findings of students performance, actions are taken and recorded as ATRs. (File AA_C10)	Good
28.	Student Progress report sent to parents after MSE-I	YES		B. Tech II, III and IV year students progress reports are sent to office for posting to parents; (File AA_C11)	Satisfactory
29.	Remedial classes conducted as per timetable	YES	29.09.2020 To 03.10.2020	Remedial classes were conducted online for IV & VI semesters during 29.09.2020 to 03.10.2020 (File AA_C12)	Provide procedure and purpose of RC

30.	Online feedback taken from students before MSE-II	YES	14.10.2020 15.10.2020	Due to online classwork, CRC meeting conducted online through Google Meet on status of syllabus coverage and issues in learning. (File AA_C9)	Brief highlights of Feedback details
31.	Class Representative Committee meetings (CRC-II)were conducted before MSE-II	YES	16.10.2020 04.05.2021 17.05.2021 21.04.2021		Provide brief details on CRC minutes
32.	Action taken report was prepared on CRC-II meetings conducted	YES		Feedback obtained from CRC-I meeting are shared to faculty and was informed online. (File AA_C9)	Provide brief details on CRC
33.	Course Review meeting (CRM-II) conducted after MSE-II by HoD for courses of B.Tech II, III & IV year	YES	19.05.2021 20.05.2021	CRM-I meeting was conducted on 19 & 20.05.2021. Faculty were informed to plan extra classes for students having less marks. ATTRs are written. (File AA_C10)	Good
34.	Action taken report prepared on CRM-II meetings conducted	YES	06.06.2021	Based on the findings of students' performance, actions are taken and recorded as ATRs.(File AA_C10)	Provide brief details on CRM
35.	Dossier prepared for students having shortage of attendance	N/A		Online classes were held due to Covid-19 pandemic. No student was detained during 2020-21	Satisfactory
36.	Students detained due to shortage of attendance	NO		No student was detained during AY 2020-21	Satisfactory
37.	Makeup classes were arranged for students writing supplementary exams	YES	15.10.2020 to 29.10.2020	Makeup classes were arranged for Lateral entry students.(File AA_C12)	Ok
38.	Faculty using ICT based teaching	YES		Allthe faculty have taken onine classes using PPTs, video link sharing through MS Teams and Google Meet. (Sample reports attached in File AA_C13)	Satisfactory
39.	Additional teaching material (Handouts) were given to students	YES		Learning materials are uploaded in CorseWeb by the Faculty.	Ok
40.	NPTEL lectures screened	YES		NPTEL lectures are screened during online classwork and links are shared by the faculty for students further reference. (File AA_C13)	How many screened? Provide details

41.	Advancements in relevant areas (*published in Conference proceedings /journal papers*) were discussed in class (Coursewise details)	YES		Every course teacher has discussed Journals and conference papers as part of CRPs. Paper details were also made available in CourseWeb. (File AA_C13)	Provide briefly benefits/impact on students
42.	Result analysis after ESE evaluation:				Satisfactory
	(i) CO, PO Direct attainments were calculated	YES		Program articulation matrix prepared for 2017-21 batch. Direct attainment are calculated and discussed in DAAC. (File AA_C14)	
	(ii) Gaps were identified	YES	28.07.2021	Dept. Faculty meeting held on 28.07.2021 are attached in File AA_C14.	
	(iii) Action to be taken reports prepared	YES	28.07.2021	Action to be taken reports are prepared for the gapsidentified. (File AA_C14)	
	(iv) Action taken reports prepared	YES	28.07.2021	Action taken reports are prepared for the gaps identified. (File AA_C14)	
	(v) Minutes of Meetings recorded	YES	28.07.2021	Yes. MoM are attached in File AA_C14	
43.	Survey was conducted for Indirect Assessment of PO & PSO attainment			(File AA_C14)	Satisfactory
	(i) Exit survey	YES	March 2021	Survey conducted online Number: 100	
	(ii) Parent survey	NO		--	
	(iii) Alumni survey	YES	March 2021	Survey conducted online Number: 37	
	(iv) Recruiter survey	NO		--	
44.	Indirect attainment of PO & PSO were calculated	YES		Indirect attainment of PO & PSO was calculated based on exit and alumni surveys.	Satisfactory

45.	Overall attainment of PO & PSO of the batch was calculated	YES		Overall attainment of PO& PSO was calculated by combining both direct and indirect attainments. Attainment of PO6, PO7, PO8 are less than 1.5 and hence needs more attention.(FileAA_C14)	
46.	Workshops/FDPs were conducted for faculty	YES		Number: 5(File AA_C15)	
47.	Faculty participated in Workshops/FDPs etc.,	YES		Number : 17(File AA_C15)	
48.	Faculty took online courses (NPTEL/SWAYAM MOOCs etc.)	YES		Number : 04 (File AA_C15)	
49.	Faculty published in Refereed journals	YES		International: 17 (WOS/SCI/SCIE:06 + ESCI/SCOPUS: 08 + UGC:03) National: NIL List of papers are attached in File AA_C16	
50.	Faculty published in Conference proceedings	YES		International: 9 National: 0 File AA_C16	
51.	Faculty attended conferences for paper presentation	YES		International: 1 National: NIL File AA_C16	
52.	Faculty won awards (*including best research paper award*)	Yes		Number: 03 Best paer award, Outstanding Research performance award and Women researcher award has been awarded to 3 faculty. (File AA_C17)	
53.	Faculty Research proposals (Total cost in Rs)				
	(i) Prepared	YES		Number: 21 Amount:Rs. 2,04,82,468/-	Ok
	(ii) Submitted to Govt. agencies	YES		Number: 1 Amount: Rs. 19,00,000/-	Ok
	(iii) Sanctioned by Govt. agencies	NO		Number: -- Amount:	Faculty advised to apply other

	(iv) Submitted to Non-Govt. agencies	NO		Number: Amount:	funding agencies
	(v) Sanctioned by Non-Govt. agencies	NO		Number: Amount:	
	(vi) Total Sanctioned	NO		Number: Amount: (File AA_C18)	
54.	Other proposals by faculty (Total cost in lakhs) (FDPs/Seminar Grants, etc.)				
	(i) Prepared	YES		Number: 26 Amount:Rs. 1,28,00,000/-	Faculty advised to apply other funding agencies
	(ii) Submitted	YES		Number: 0 Amount: --	
	(iii) Total Sanctioned	YES		Number: 1 Amount: Rs. 2,28,167/- AICTE STTP was sanctioned. (File AA_C18)	
55.	Consultancy projects undertaken	NIL		Number: NIL	Suggested to start consultancy with minimum revenue generation
56.	*Any other Faculty achievements (not covered above)*	NIL		--	NIL
57.	Workshops/Seminars conducted for students	YES		File AA_C20	Suggested to organize more workshops in association with Alumni as a resource person/ industry
58.	Interactive sessions arranged with alumni	NO		--	Suggested to increase the number of interactive sessions
59.	Students participated in academic activities at other institutes	No		Due to pandemic, students have not participated in co-curricular activities at other institutions	Satisfactory
60.	Students won Prizes in academic activities at other institutes	No		Number: -- Due to pandemic, students have not participated in co-curricular activities at other institutions	Satisfactory
61.	Students participated in cultural activities at other institutes	NO		Due to pandemic, students have not participated in extra-curricular activities at other institutions	Satisfactory

62.	Students won Prizes in cultural activities at other institutes	NO		Due to pandemic, students have not participated in extra-curricular activities at other institutions	Satisfactory
63.	Students participated in sports activities at other institutes	No		Due to pandemic, students have not participated in extra-curricular activities at other institutions	Satisfactory
64.	Students won Prizes in sports activities at other institutes	No		Due to pandemic, students have not participated in extra-curricular activities at other institutions	Satisfactory
65.	Students undergone internships	YES		Number: 242, Students of IV & VI semesters have taken online internships during their semester break and summer vacation period. (File AA_C23)	Satisfactory
66.	Students won "Best student project award"	NO		--	NIL
67.	Any Innovations by students	NO		--	NIL
68.	Students took online courses (NPTEL/SWAYAM MOOCs etc.)	YES		Number: 07 (List and certificates are enclosed in File AA_C23)	Satisfactory
69.	Start-ups are incubated on campus	NO		--	NIL
70.	Students Placements				
	No. of students eligible for placements	139		List Enclosed, AA_C25	Satisfactory
	No. of students registered for T&P activity	86		List Enclosed, AA_C25	
	No. of students placed	46		Highest CTC: Rs. 10.4 LPA Avg. CTC: Rs. 5.9 LPA (List Enclosed, AA_C25)	
	No. of students joined for Higher Education	07		M.S. Abroad: -- M. Tech.: 07 MBA: -- (List Enclosed, AA_C25)	
	No. of students secured Jobs in PSUs	0		--	
	No. of student Entrepreneurs	0		--	

71.	*Other student achievements(not covered above)*	Nil		--	
72.	Dept. Newsletters were released				
	(i) Odd semester	YES	Feb. 2021	Copy made available in Dept. webpage	Satisfactory
	(ii) Even semester	YES	August 2021	Copy made available in Dept. Webpage	Satisfactory
73.	Yearly Technical Magazine was released	YES	Spetember 2021	Copy made available in Dept. webpage	Satisfactory
74.	Self Appraisal reports (PBAS) were submitted by all faculty	YES	27.06.2021	PBAS filled in forms are submitted to Principal, KITSW on 24/06/2020. Summary sheet enclosed in File AA_C27	Satisfactory
75.	Self Appraisal reports are submitted by all Non-teaching staff	YES	06.08.2021	Appraisal was submitted to establishment section	Satisfactory
76.	Department Academic Advisory Committee (DAAC) meetings were held regularly	YES		DAAC meeting held regularly to discus on laboratory readiness, budget proposal, attainment discussion, curriculum revision, PBAS scrutiny,.... MoMs of DAAC are enclosed in File AA_C28	Satisfactory
77.	Alumni visited the department (*not covered under Alumni interactive sessions above*)	No		--	NIL
78.	Alumni funding to the department (*if any*)	NO		--	NIL
79.	MoUs signed /Collaborations established	Yes	29.01.2021	One MoU with NITW added during this AY 2020-21	Ok
80.	*Any other Department Achievements (not covered above)*	-			NIL

Best Practices, SWOC Analysis, Short Term and Long Term Goals:

Best Practices of the Department
File enclosed

SWOC Analysis of the Department
Strengths: File enclosed
Weakness: File enclosed
Opportunities: File enclosed
Challenges: File enclosed

Short Term Goals of the Department	
Short term goal 1: **File enclosed**	Action Plan: **File enclosed**
Short term goal 2:**File enclosed**	Action Plan: **File enclosed**
Short term goal 3: **File enclosed**	Action Plan: **File enclosed**
Long Term Goal of the Department	
Long term goal:**File enclosed**	
Action Plan: **File enclosed**	

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

HOD Typical comments/remarks are missing in IQAC Academic Audit form
Indicate meetings/ATR with objectives and issues resolved
Purpose and Procedure to decide makeup, remedial, revision and its impact to be mentioned in each session
Include counselor interactions, duration, periodicity, student benefits, impact in student counseling register
Maintain faculty cadre ratio as per AICTE norms
Redraft SWOC, Best Practices, Short and long term goals to focus on Academic and Industrial Research
Encourage the students to take more online courses
Suggested to submit proposals to other funding agencies to enhance the research activity
Increase the number of alumni interactions/industrial resource persons
Suggested to organize workshops in association with industry/alumni as resource person
Suggested to start consultancy with minimum revenue generation

Date of Academic audit:

Name & Signature of HoD: Dr. C. Venkatesh, *Professor & Head*

Department Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal, T.S.)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Academic Audit for A.Y. 2019-20

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

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Date of Academic audit:

Name & Signature of HoD: Dr. C. Venkatesh, *Professor & Head*   *C. Venkatesh*

Department Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

DEPARTMENT ACADEMIC AUDIT

Academic Year: __2020-21__

Date: 03.09.2021

Please fill the following information (*pertaining to the previous academic year)*:2020-21

Name of the Department	Computer Science & Engineering
Head of the Department	Dr. V. Shankar, Professor & Head
Department Academic Advisory Committee (DAAC)	Dr. V. Shankar, Professor & Head Dr. P. Niranjan, Professor Mr. S. Naga Raju, Assoc. Prof Dr.C. Srinivas, Assoc. Prof Dr. S. Venkatramulu, Assoc. Prof Dr. V. Chandra Shekar Rao, Assoc. Prof Dr. S. Narasimha Reddy, Assoc. Prof

A. Details of Programmes offered by the Department:

Programme Level	Name of the Programme	Year	Sanctioned Intake + Lateral entry	No. of students admitted	No. of students not registered	Whether NBA accredited?	Validation period of NBA accreditation along with File No. & date
UG	B. Tech - Computer Science & Engineering	I	180	180	--	Yes	3 Years w.e.f. 29.3.2018 F.No.11-76-2010-NBA Dt. 29.3.2018
		II	180 +18 = 198	198	--	Yes	3 Years w.e.f. 29.3.2018 F.No.11-76-2010-NBA Dt. 29.3.2018
		III	180 + 18 = 198	198	--	Yes	3 Years w.e.f. 29.3.2018 F.No.11-76-2010-NBA Dt. 29.3.2018
		IV	180 + 36 = 216	216	--	Yes	3 Years w.e.f. 29.3.2018

							F.No.11-76-2010-NBA Dt. 29.3.2018
UG	B.Tech - Computer Science & Engineering (Networks)	I	60	60	--	No	--
		II	60+06	66	--	No	--
UG	B.Tech - Computer Science & Engineering (AI&ML)	I	60	60	--	No	--
UG	B.Tech - Computer Science & Engineering (IoT)	I	60	60	--	No	--
PG	M.Tech – Software Engineering	I	30	07	--	No	--
		II	30	22	--	No	--
Ph.D.	Research Centre Recognized Under KU	--	--	09	--	No	--

B. Faculty Information:

1.	Total Faculty in the Department	48
2.	No. of Faculty identified for B.Tech.I year *(considering fractional load)*	09
3.	No. of Faculty identified for UG (B.Tech. II, III & IV year) *(considering fractional load)*	35
4.	No. of Faculty identified for PG *(considering fractional load)*	04
5.	Faculty : Student ratio (FSR) for UG	1:19
6.	Faculty : Student ratio (FSR) for PG	1:16
7.	Faculty Cadre Ratio:	
	(i) # of Professors	02
	(ii) # of Assoc. Professors	05
	(iii) # of Asst. Professors	41
	(iv) Faculty Cadre Ratio	2:5:41

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(*An Autonomous Institute under Kakatiya University, Warangal, T.S.*)
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Academic Audit for A.Y. 2020-21

8.	Faculty Qualification:	
	(i) No. of Faculty with Ph.D.	16
	(ii) No. of Faculty with M.Tech/MBA	32
	(iii) No. of Faculty with B.Tech/MCA/MSc	--
9.	No. of faculty pursuing Ph.D.	22
10.	No. of faculty with degrees from IITs/NITs	04
11.	No. of faculty with degrees from Universities abroad	02
12.	No. of faculty identified as Research Supervisors by various Universities	02

C. Assessment Data

- *Please mention YES or NO in third column*
- *Mention Date of item (if any) in fourth column*
- *Required details can be filled in "Remarks by HoD" column - based on YES/NO stated in the third column*
- *If any response to any item is not of YES/NO type, please write full details in "Remarks by HoD" column*
- *Mention –N.A- if any data is irrelevant in"Remarks by HoD" column*

S.No.	Item	YES/NO	Date	Remarks by HoD	Remarks by Audit Committee
1.	New programs added	Yes		Two new UG programs were added B.Tech.(CSE-AI & ML) with an intake of 60 B.Tech.(CSE-IoT) with an intake of 60	Good
2.	No. of UG Laboratories	Yes	--	Total Labs as per curriculum:14 Physical labs:10	Ok
3.	No. of PG Laboratories	Yes	--	Total Labs as per curriculum:04 Physical labs:01	Ok
4.	New laboratories added	No	--	Due to pandemic situation Las were not established	Ok
5.	Total cost of equipment in all laboratories	Yes	--	Total cost =Rs.1,57,65,817/-	Please provide lab detail total cost
6.	Cost of newly added equipment	No	--	Due to pandemic situation Las were not established	Ok
7.	Curriculum revision done	Yes	--	It has been done for both UG and PG VII & VIII Sem of B.Tech and PRR20 for PG	Satisfactory
8.	Survey taken from stakeholders on syllabus revision or course content	Yes	--	Survey has been taken from students, parents, alumni &recruiters	Brief highlight the Survey reports

9.	Action taken report prepared on stakeholders feedback	Yes	--		As perstakeholders feedback new courses are introduced in new curriculum	Provide brief details of feedback ATR
10.	Survey reports available on website	Yes	--		Yes it is made available in website	Satisfactory
11.	Board of Studies meeting conducted	Yes	July 2020(B.TechCSE and CSN) & Nov-2020 (M.Tech-SE)		BoS meeting was conducted for B. Tech (CSE and CSN) programs as per URR18 guidelines to finalize syllabus of V & VI semesters of CSE and III & IV Semesters of CSN respectively.	BOS -brief details of minutes
					BoS meeting was conducted for M. Tech (Software Engineering) PG programs as per PRR-20 guidelines, to finalize scheme and syllabus.	
12.	Syllabus is approved by Academic Council	Yes	July 2020			Satisfactory
13.	UG Workload allotted to faculty	Yes	OOD Sem	27.07.2020	Avg. work load: 824/35=23 Faculty required:41 Faculty existing:35	Provide UG workload allotment to faculty cadre basis as per AICTE/UGC norms
			Even Sem	02.02.2020		
14.	PG Workload allotted to faculty	Yes	OOD Sem	02.01.2021	Avg. work load: 46/04=11.5 Faculty required:04 Faculty existing:04	Provide PG workload allotment to faculty cadre basis as per AICTE/UGC norms
			Even Sem	10.05.2021		
15.	Faculty Recruited	Yes	Aug-2020		No. of faculty recruited: 02	Ok
16.	Calendar for Dept. Association activities prepared	Yes	18.09.2020		CSE Association (CSEA) various events calendar was released	Provide brief details
17.	Regular counselling of students is done	Yes	--		Every semester regularly counselling the students and ask their difficulties in academic maters and personal life and to guide them to improve knowledge in Academics and other activities.	Provide brief details of counsellor interactions, duration, periodicity, benefits etc
18.	Teaching schedules were uploaded into CMS before commencement of class work	Yes	OOD Sem	27.07.2020	Every Semester before commencement of the class work all the course handling faculty teaching schedule were uploaded in to the CMS	Good
			Even Sem	02.02.2020		
19.	Assignments were posted timely into CMS as per teaching schedule	Yes	--		Posting of assignment as per lecture schedule	Satisfactory
20.	Evaluation of assignments & posting of marks into CMS was done as per Assignment schedule	Yes	--		As per Lecture Schedule	Provide HOD remarks

No.					
21.	Regular Course Committee meetings (CCM) were conducted by Course coordinator	Yes	--	Course Committee meeting is frequently conducted by course coordinator	Provide brief details of CCM
22.	Action taken report was prepared on CCMs conducted	Yes	--		Provide brief details of CCM ATR
23.	Online feedback taken from students before MSE-I	Yes		Due to pandemic situation, online feedback was not taken	Ok
24.	Class Representative Committee meetings (CRC-I) were conducted before MSE-I	Yes	--	Due to pandemic situation, CRC meetings are conducted in online mode.	Provide CRC-I Brief minutes
25.	Action taken report was prepared on CRC-I meetings conducted	Yes	--	--	Provide CRC-I Brief minutes
26.	Course Review meeting (CRM-I) conducted after MSE-I by HoD for courses of B.Tech II, III & IV year	Yes	--	(Reference File Name: AA-C10)	Provide HOD remarks and details
27.	Action taken report prepared on CRM-I meetings conducted	Yes	--	(Reference File Name: AA-C10)	Provide HOD remarks and details
28.	Student Progress report sent to parents after MSE-I	Yes	--	Through CMS	Provide HOD remarks and details
29.	Remedial classes conducted as per timetable	Yes	--	--	Provide HOD remarks and details
30.	Online feedback taken from students before MSE-II	No	--	Due to **pandemic** situation, **onlin**e feedback was not taken	Rewrite HOD reply to avoid ambiguity
31.	Class Representative Committee meetings (CRC-II) were conducted before MSE-II	Yes	--	Due to pandemic situation, CRC meetings are conducted in online mode.	Provide HOD remarks and details
32.	Action taken report was prepared on CRC-II meetings conducted	Yes	--	--	Provide HOD remarks and details
33.	Course Review meeting (CRM-II) conducted after MSE-II by HoD for courses of B.Tech II, III & IV year	Yes	--		Provide HOD remarks and details
34.	Action taken report prepared on CRM-II meetings conducted	Yes	--		Provide HOD remarks and details
35.	Dossier prepared for students having shortage of attendance	No	-	No detentions	Satisfactory
36.	Students detained due to shortage of attendance	No	-	No detentions	Satisfactory

37.	Makeup classes were arranged for students writing supplementary exams	No	--	Due to pandemic situation, unable to conduct makeup classes	Ok
38.	Faculty using ICT based teaching	Yes	--	All the classes were conducted through MS-Teams with support Course Web	Provide brief details/HOD remarks
39.	Additional teaching material (Handouts) were given to students	Yes	--	All the teaching materials was made available to the student through Course Web	
40.	NPTEL lectures screened	Yes	--		Ok
41.	Advancements in relevant areas (*published in Conference proceedings / journal papers*) were discussed in class (Course wise details)	Yes	--	22 papers was published by M.Tech(SE) students in reputed journals. B.Tech(CSE) students transferred their mini projects and Major projects into Conferences proceedings	Satisfactory
42.	Result analysis after ESE evaluation:				
	(i) CO, PO Direct attainments were calculated	Yes	--	Direct attainment: Reference File Name: AA-C14)	
	(ii) Gaps were identified	Yes	--		
	(iii) Action to be taken reports prepared	Yes	--		
	(iv) Action taken reports prepared	Yes	--		
	(v) Minutes of Meetings recorded	yes	--		Satisfactory
43.	Survey was conducted for Indirect Assessment of PO & PSO attainment	Yes	--		
	(i) Exit survey	Yes	--		
	(ii) Parent survey	Yes	--		
	(iii) Alumni survey	Yes	--		
	(iv) Recruiter survey	No	--		
44.	Indirect attainment of PO & PSO were calculated	Yes	--	Indirect attainment: (Reference File Name: AA-C14)	Provide brief details/HOD remarks
45.	Overall attainment of PO & PSO of the batch was calculated	Yes	--		Provide brief details/HOD remarks
46.	Workshops/FDPs were conducted for faculty	Yes	-	6 Workshops/ FDPs were conducted with the help of AICTE/ATAL grants and other institutional supports	Satisfactory
47.	Faculty participated in Workshops/FDPs etc.,	Yes	--	45 faculty attended various FDP programs	Satisfactory

48.	Faculty took online courses (NPTEL/SWAYAM MOOCs etc.)	Yes	--	9 faculty cleared Swayam online courses	Satisfactory
49.	Faculty published in Refereed journals	Yes	--	International: 32 Scopus: 24 SCI : 01 Others : 07	Good number
50.	Faculty published in Conference proceedings	Yes	--	International: 14	Satisfactory
51.	Faculty attended conferences for paper presentation	Yes	--	International: 05	Satisfactory
52.	Faculty won awards (*including best research paper award*)	No	--	--	NIL
53.	Faculty Research proposals (Total cost in lakhs)				Suggested to submit proposal to other funding agencies
	(i) Prepared	Yes		Number: 28 Amount: 1,45,15,310-00	
	(ii) Submitted to Govt. agencies	Yes		Number: 01 Amount: 50,09,930- 00	
	(iii) Sanctioned by Govt. agencies	No	--	Number:01 Amount: 40,43,336-00	
	(iv) Submitted to Non-Govt. agencies	No	--	Number: Amount:	
	(v) Sanctioned by Non-Govt. agencies	No	--	Number: Amount:	
	(vi) Submitted under FRSS of Institute	No	--	Number: Amount:	
	(vii) Sanctioned under FRSS of Institute	No	--	Number: Amount:	
	(viii) Total Sanctioned	No	--	--	
54.	Other proposals by faculty (Total cost in lakhs) (FDPs/Seminar Grants, etc.)				Suggested to submit proposal to other funding agencies
	(i) Prepared	Yes	--	Number: 10 Amount: 40,00,000-00	
	(ii) Submitted	Yes	--	Number: 10 Amount: 40,00,000-00	
	(iii) Total Sanctioned	Yes	--	Number: 02 Amount: 2,79,000-00	
55.	Consultancy projects undertaken	Yes	--	Revenue generated through infra consultancy (TCSion) an amount 0f Rs. 4,00,000-00	
54.	*Any other Faculty achievements (not covered above)*	No	--	--	NIL
55.	Workshops/Seminars conducted for students	Yes	04-05 October, 2019	Number: 02 Workshop on Machine learning and BOT Workshop	Suggested to organize more workshops in association with Alumni as a resource person/ industry
56.	Interactive sessions arranged with alumni	Yes	13-08-2019	Number:03 (Alumni students were taking part in Induction program for B.Tech. First Year Students)	Suggested to organize more workshops in association with

					Alumni as a resource person/ industry
57.	Students participated in academic activities at other institutes	Yes	--	Due to pandemic situation, students are able to participate in academic activities in online mode only	
58.	Students won Prizes in academic activities at other institutes	No	--	Due to pandemic situation, students are not able to won prizes in academic activities	Satisfactory
59.	Students participated in cultural activities at other institutes	No	--	Due to pandemic situation, students are not able to participate in cultural activities	
60.	Students won Prizes in cultural activities at other institutes	No	--	Due to pandemic situation, students are not able to won prizes in cultural activities	
61.	Students participated in sports activities at other institutes	No	--	Due to pandemic situation, students are not able to participate in sports activities	
62.	Students won Prizes in sports activities at other institutes	No	--	Due to pandemic situation, students are not able to won prizes in sports activities	
63.	Students undergone internships	Yes	--	Number: 494 (Reference File Name: AA-C23)	
64.	Students won "Best student project award"	No	--		NIL
65.	Any Innovations by students	No	--	Due to pandemic situation, Laboratories are closed. Hence, the students are not able to do any Innovative projects in last academic year	OK
66.	Students took online courses (NPTEL/SWAYAM MOOCs etc.)	Yes	--	25 students clear NPTEL/SWAYAM MOOCs courses	Satisfactory
67.	Start-ups are incubated on campus	No	--	--	NIL
68.	Students Placements				
	No. of students eligible for placements	180	--		Satisfactory
	No. of students registered for T&P activity	175	--		
	No. of students placed	167	--		
	No. of students joined for Higher Education	14	--	M.S. Abroad: 14 M. Tech.:01 MBA:--	
	No. of students secured Jobs in PSUs	No	--	--	
	No. of student Entrepreneurs	Yes	--	Number:02	
69.	*Other student achievements(not covered above)*	No	--	--	NIL
70.	Dept. Newsletters were released				

	(i) Odd semester	Yes	July 2020		Satisfactory
	(ii) Even semester	Yes	December 2020		Satisfactory
71.	Yearly Technical Magazine was released	Yes	August 2020		Satisfactory
72.	Self Appraisal reports (PBAS) were submitted by all faculty	Yes	20-06-2020	(Reference File Name: AA-C27)	Satisfactory
73.	Self Appraisal reports are submitted by all Non-teaching staff	Yes	22-06-2020	(Reference File Name: AA-C27)	Satisfactory
74.	Department Academic Advisory Committee (DAAC) meetings were held regularly	Yes	04	Department Advisory committee meetings are held at least four times in a Semester. (Reference File Name: AA-C28)	Satisfactory
75.	Alumni visited the department (*not covered under Alumni interactive sessions above*)	Yes	13-08-2019	Number: 03 (Alumni students were took part in Induction program for B.Tech. First Year Students)	Satisfactory
76.	Alumni funding to the department (*if any*)	No	--		Put efforts to generation of Alumni funding
77.	MoUs signed /Collaborations established	Yes	--	03 companies were executed MOUs with Dept.	Satisfactory
78.	*Any other Department Achievements (not covered above)*	No	--	--	NIL

D. Best Practices, SWOC Analysis, Shot Term and Long Term Goals:

Best Practices of the Department
1. Regular Student Counselling process.   2. Remedial Teaching for slow learners.   3. Pre-assessment of students by conducting Placement Examinations and mock interviews.   4. Regular conduction of Class Review Committee meetings.   5. Frequent Alumni Interaction programme.   6. Providing Internship opportunities to students.   7. Conduction of Association activities to inculcate academic and management skills.   8. Providing interaction between students and faculty using College Management System.   9. Encouraging students to develop innovative projects to facilitate campus automation.   10. Attainment of Program specific course outcomes.   11. Motivating students to nurture ideas and realize dreams by inculcating innovation, incubation, research and entrepreneurship culture in the campus.

SWOC Analysis of the Department

Strengths:

- **Strengths:** B. Tech(CSE) Program is accredited by NBA and regularly renewing the status.
- The Department of Computer Science & Engineering has been recognized as research centre by the Kakatiya University, Warangal.
- Excellent and adequate infrastructure facility.
- Imparting quality education with the help of dedicated faculty members.
- At about 80% students either being recruited in campus placements or taking higher education.
- Regular conduction of Remedial/Makeup classes for slow learners.
- Continuous evaluation system to be vigilant of student progression.
- Periodical review of curriculum by considering all stakeholder inputs
- Department has 16 faculty holding Ph.D from reputed organizations.
- Using modern ICT tools for teaching learning process.
- All corners of the department are WIFI enable
- Internet connectivity with 1Gbps capacity
- Student projects to digitize institute activities
- Continuous effort to improve soft skills of student community
- Strong alumni support
- Emphasis on academic social responsibility through student clubs
- Good industry connect provided to student with CSE association activates

Weakness:

- Diversity of students
- Lack of finical autonomy to introduce self-financed employability courses
- Lack of funding for Research Projects
- Consultancy practices not up to the mark
- Remote location disadvantage for frequent industry interaction

Opportunities:

- The currently high demand for qualified computer science and ICT professionals.
- High qualification and efficiency of faculty to admit teaching and consultancy
- Anxiety of students to learn

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- Conducting research actives for publications in peer reviewed journals
- Active co curricular and extracurricular activates for outreach Programmers
- Active alumni association for gathering awareness of outside world
- Autonomy to brining dynamic changes in curriculum that adapts to new technology

Challenges:
- Bridging the gap between industry and academia
- Training students to cater ever changing technologies.
- Gathering co-operation from all stake holders.
- Carrying out research and extension activates in field of computer science and engineering
- Motivating students for exploring opportunities in entrepreneurships
- Deploying more efforts of faculty for getting research projects and consultancy services
- Encouraging students for innovative projects and globally approved working models
- Inspiring faculty and students to file patents and publishing high qualify journals
- Associating with government initiatives on Smart cities, Atal-incubation, Digital India, Swachabarath, skill development program etc.,

Short Term Goals of the Department	
Short term goal 1: Improvement in campus placements	Action Plan: Providing rigorous training to students
Short term goal 2: Improving quality of Teaching learning	Action Plan: Providing industry training to faculty
Short term goal 3: Improving quality in research activities	Action Plan: Applying for research findings
Long Term Goal of the Department	
Long term goal: To become Centre of excellence in the field of computer science	

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

HOD Typical comments/remarks are missing in IQAC Academic Audit form
Indicate meetings/ATR with objectives and issues resolved
Purpose and Procedure to decide makeup, remedial, revision and its impact to be mentioned in each session
Include counselor interactions, duration, periodicity, student benefits, impact in student counseling register
Maintain faculty cadre ratio as per AICTE norms
Redraft SWOC, Best Practices, Short and long term goals to focus on Academic and Industrial Research
Encourage the students to take more online courses
Suggested to submit proposals to other funding agencies to enhance the research activity
Increase the number of alumni interactions/industrial resource persons
Suggested to organize workshops in association with industry/alumni as resource person
Suggested to start consultancy with minimum revenue generation

Date of Academic audit: 03.09.2021

Name & Signature of HoD: Prof. V. SHANKAR

Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

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4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

DEPARTMENT ACADEMIC AUDIT

Academic Year: 2020-21

Date:03.09.2021

Please fill the following information (*pertaining to the previous academic year*):

Name of the Department	Information Technology
Head of the Department	Dr. P. Kamakshi
Department Academic Advisory Committee (DAAC)	G.K. Shailaja Dr. T. Senthil Murugan B. Kiran Kumar A. Bhaskar Dr. Y. Bhavani T. Mahesh Kumar

A. Details of Programmes offered by the Department:

Programme Level	Name of the Programme	Year	Sanctioned Intake + Lateral entry	No. of students admitted	No. of students not registered	Whether NBA accredited?	Validation period of NBA accreditation along with File No. & date
UG	B.Tech - **Information Technology**	I	120	120	-	YES	Valid upto : 30-06-2022 File No. 11-76-2010-NBA Date: 20.11.2019
		II	60 + 06=66	60+06 = 66	-		
		III	60 + 06 = 66	60+5+4R = 69	1		
		IV	60 + 06 = 66	58+6+6R = 70	-		
PG	M.Tech -	I	30	9	-	NA	NA
		II	NA	NA	NA	NA	NA

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B. Faculty Information:

1.	Total Faculty in the Department	13
2.	No. of Faculty identified for B.Tech.I year *(considering fractional load)*	3
3.	No. of Faculty identified for UG (B.Tech. II, III & IV year) *(considering fractional load)*	8
4.	No. of Faculty identified for PG *(considering fractional load)*	2
5.	Faculty : Student ratio (FSR) for UG	1:16
6.	Faculty : Student ratio (FSR) for PG	1:15
7.	Faculty Cadre Ratio:	
	(i) No. of Professors	1
	(ii) No. of Assoc. Prof.	5
	(iii) No. of Asst. Prof.	7
	(iv) Faculty Cadre Ratio =	1:5:7
8.	Faculty Qualification:	
	(i) No. of Faculty with Ph.D.	3
	(ii) No. of Faculty with M.Tech/MBA	10
	(iii) No. of Faculty with B.Tech/MCA/MSc	NIL
9.	No. of faculty pursuing Ph.D.	8
10.	No. of faculty with degrees from IITs/NITs	NIL
11.	No. of faculty with degrees from Universities abroad	NIL
12.	No. of faculty identified as Research Supervisors by various Universities	2

C. Assessment Data

- *Please mention YES or NO in third column*
- *Mention Date of item (if any) in fourth column*
- *Required details can be filled in "Remarks by HoD" column - based on YES/NO stated in the third column*
- *If any response to any item is not of YES/NO type, please write full details in "Remarks by HoD" column*
- *Mention –N.A- if any data is irrelevant in"Remarks by HoD" column*

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
1.	New programs added	Yes	--	M.Tech (Data Science) PG programme is newly added to the department during this year. B.Tech (IT) Intake is increased from 60 to 120 during this year.	Very Good
2.	No. of UG Laboratories	Yes	--	• Total Lab courses as per curriculum:13 • Physical Labs:05 • Labs are as per the guidelines of AICTE/UGC norms	Satisfactory
3.	No. of PG Laboratories	Yes	--	• Total Lab courses as per curriculum: 04 • Physical Labs:01 • Labs are as per the guidelines of AICTE/UGC norms	Satisfactory
4.	New laboratories added	Yes	--	Data Science Lab is added with the cost of Rs. **30,50,000/-** (Thirty lakhs fifty thousand rupees)	Good
5.	Total cost of equipment in all laboratories	Yes	--	Total cost =Rs. **1,13,51,961 /-**	Good
6.	Cost of newly added equipment	Yes	--	Total cost=Rs. **30,50,000/-**	
7.	Curriculum revision done	Yes	12.11.2020 & 22.05.2021	• B.Tech VII & VIII Semester syllabus is revised and approved on 22.05.2021 • M. Tech (DS)-PRR20 scheme and syllabus is revised and approved on 12.11.2020	Satisfactory
8.	Survey taken from stakeholders on syllabus revision or course content	Yes	During A.Y. 2020-21	Exit feedback survey was taken from the students, parents, alumni, industry experts & recruiters	Provide highlights of Feedback
9.	Action taken report prepared on stakeholders feedback	Yes	09.06.2021	As perthe feedback of the stakeholders, action taken report was prepared and new courses are introduced in the new curriculum of URR18 and PRR20	Provide details of issues resolved
10.	Survey reports available on website	Yes	20.08.2021	During the due course of the time, survey reports will be made available in the website	Satisfactory

11.	Board of Studies meeting conducted	Yes	12.11.2020 & 22.05.2021		• BoS meeting was conducted on 12.11.2020 for M. Tech (DS) PPR20 scheme and syllabus approval • BoS meeting was conducted on 22.05.2021 for B. Tech (IT) URR18 VII & VIII semester syllabus approval.	Satisfactory
12.	Syllabus is approved by Academic Council	Yes	27.05.2021		Academic Council meeting was conducted on 12.06.2021 to approve B. Tech (IT) URR18 VII & VIII semester syllabus and M. Tech (DS) PPR20 scheme and syllabus.	Satisfactory
13.	UG Workload allotted to faculty	Yes	Odd Sem	27.07.2020	Avg. work load: 224/18=13 Faculty required:13 Faculty existing:11	Provide workload allotment details to faculty on cadre basis
			Even Sem	02.02.2020		
14.	PG Workload allotted to faculty	Yes	OOD Sem	02.01.2021	Avg. work load: 33/18=02 Faculty required:02 Faculty existing:02	Provide workload allotment details to faculty on cadre basis
			Even Sem	10.05.2021		
15.	Faculty Recruited	No	--		No. of faculty recruited: 0	NIL
16.	Calendar for Dept. Association activities prepared	Yes	**III/V/VII** 06.08.2020 **IV/VI/VIII** 23.11.2020		Information Technology Students Association events calendar was released as per the schedule.	Give brief details
17.	Regular counseling of students is done	Yes	During A.Y. 2020-21		On every week, students are supposed to meet their respective counsellors. However, they are free to contact the counsellors at any time if they are facing any difficulty at the institution level	Provide brief details of counselor interactions, duration, benefits etc
18.	Teaching schedules were uploaded into CMS before commencement of class work	Yes	OOD Sem	27.07.2020	• Every Semester one week before the commencement of the class work, all the faculty members are uploaded the teaching schedule of the concerned courses in the CMS • It is available in the respective course files • The same is available in the course web page	Satisfactory
			Even Sem	02.02.2020		
19.	Assignments were posted timely into CMS as per teaching schedule	Yes	--		• Posting of assignment was done as per the lecture schedule • It is available in the respective course files	Satisfactory

				• The same is available in the course web page	
20.	Evaluation of assignments & posting of marks into CMS was done as per Assignment schedule	Yes	--	• Assignments are evaluated and posted the marks in CMS as per Lecture Schedule • It is available in the respective course files • The same is available in the course web page	Satisfactory
21.	Regular Course Committee meetings (CCM) were conducted by Course coordinator	Yes	**III/V/VII** 19/09/2020 Before MSE-1 05/12/2020 Before MSE-2 **IV/VI/VIII** 27/3/2021 Before MSE-1 IV- 01/05/2021 VI- 17/05/2021 VIII- 24/04/2021 Before MSE-2	• Course Committee Meeting was conducted twice before MSE-I and MSE-II by course coordinators • It is available in the respective course files	Give brief details
22.	Action taken report was prepared on CCMs conducted	Yes	**III/V/VII** 19/09/2020 Before MSE-1 05/12/2020 Before MSE-2 **IV/VI/VIII** 27/3/2021 Before MSE-1 IV- 01/05/2021 VI- 17/05/2021 VIII- 24/04/2021 Before MSE-2	• Course coordinator in consultation with the remaining course faculty was prepared ATR on CCMs conducted • It is available in the respective course files	Provide details of issues resolved
23.	Online feedback taken from students before MSE-I	No	--	Due to pandemic situation, online feedback was not taken	Provide brief details of feedback
24.	Class Representative Committee meetings (CRC-I) were conducted before MSE-I	Yes	**III/V/VII** 10.09.2020 **IV/VI/VIII**	Due to pandemic situation, CRC meetings are conducted through online mode.	Provide details of issues resolved

			01.04.2021 **M.Tech** **I Sem:** 12.02.2021 **II Sem:** 28.06.2021		
25.	Action taken report was prepared on CRC-I meetings conducted	Yes	**III/V/VII** 10.09.2020 **IV/VI/VIII** 01.04.2021	Students have given satisfactory report on all course handling faculty	Provide details of issues resolved
26.	Course Review meeting (CRM-I) conducted after MSE-I by HoD for courses of B.Tech II, III & IV year	Yes	**III/V/VII** 05.09.2020 **IV/VI/VIII** 24.04.2021	• Course Review Meeting was conducted by HoD for all the courses to discuss the performance of the students in MSE-I examination • It is available in the respective course files	List out performance lapses discussed
27.	Action taken report prepared on CRM-I meetings conducted	Yes	05.09.2020 **IV/VI/VIII** 24.04.2021	• Course coordinator in consultation with the remaining course faculty was prepared ATR based on MSE-I results • It is available in the respective course files	Provide details of issues resolved
28.	Student Progress report sent to parents after MSE-I	Yes	--	Student Progress report sent to the parents by registered post	Satisfactory
29.	Remedial classes conducted as per timetable	Yes	--	Based on the performance of MSE-I and MSE-II, weak students are identified. Remedial classes were conducted for the above students.	Provide details on no of remedial classes conducted and acquired benefits
30.	Online feedback taken from students before MSE-II	No	--	Due to pandemic situation, online feedback was not taken	Ok
31.	Class Representative Committee meetings (CRC-II)were conducted before MSE-II	Yes	**III/V/VII** 01.12.2020 **IV/VI/VIII** 17.05.2021 **M.Tech** **I Sem:** 04.08.2021 **II Sem:** 09.04.2021	Due to pandemic situation, CRC meetings are conducted through online mode.	Ok
32.	Action taken report was prepared on CRC-II meetings conducted	Yes	**III/V/VII** 01.12.2020 **IV/VI/VIII** 17.05.2021	Students have given satisfactory report on all course handling faculty	Provide details of issues resolved

33.	Course Review meeting (CRM-II) conducted after MSE-II by HoD for courses of B. Tech II, III & IV year	Yes	**III/V/VII** 26.12.2020 **IV/VI/VIII** 29.05.2021	• Course Review Meeting was conducted by HoD for all the courses to discuss the performance of the students in MSE-II examination • It is available in the respective course files	Provide brief details of CRM-II?
34.	Action taken report prepared on CRM-II meetings conducted	Yes	**III/V/VII** 26.12.2020 **IV/VI/VIII** 29.05.2021	• Course coordinator in consultation with the remaining course faculty was prepared ATR based on MSE-II results • It is available in the respective course files	Provide details of issues resolved
35.	Dossier prepared for students having shortage of attendance	Yes	03.10.2020	Dossier was prepared for students having less than 75% of attendance	Indicate number of students and %?
36.	Students detained due to shortage of attendance	No	--	No student was detained.	Satisfactory
37.	Makeup classes were arranged for students writing supplementary exams	No	--	Due to pandemic situation, unable to conduct makeup classes for the students who are writing supplementary examinations	Ok
38.	Faculty using ICT based teaching	Yes	--	The faculty are delivering lectures using ICT tools like PPT, NPTEL videos, You tube videos etc.	Satisfactory
39.	Additional teaching material (Handouts) were given to students	Yes	--	• Handouts in the form of additional teaching material from the reference books, journal, conference papers and patents were given to the students • The same is available in the course web page	Ok
40.	NPTEL lectures screened	Yes	--	Faculty shown NPTEL lectures to the students	Ok
41.	Advancements in relevant areas (*published in Conference proceedings / journal papers*) were discussed in class (Course wise details)	Yes	--	• Every course faculty was discussed minimum two journal/ conference papers and two patents in the class • One question was asked in MSE-I and MSE-II on course research papers and course patents • The same is available in the course web page	Satisfactory
42.	Result analysis after ESE evaluation: (i) CO, PO Direct attainments were calculated	Yes	--	Direct attainment for all the courses are calculated for the 2017-21 batch.	Satisfactory

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	(ii) Gaps were identified	Yes	--	• Meeting was conducted on the discussions of POs and PSOs attainment level for the batch 2017-21 • The Instructional gaps were identified covering both POs and PSOs from the analysis	Satisfactory
	(iii) Action to be taken reports prepared	Yes	--	The corresponding actions are taken to fill the gaps and indicated	Satisfactory
	(iv) Action taken reports prepared	Yes	--	Action taken reports prepared like. As a part of I2RE culture in the department, the students were asked to write 2 page summary of course research journal and patents to acquire the knowledge on real life challenges	Satisfactory
	(v) Minutes of Meetings recorded	Yes	21.07.2021	Meeting was conducted on the discussions of POs and PSOs attainment level for the batch 2017-21 and Minutes of meetings are recorded	Satisfactory
43.	Survey was conducted for Indirect Assessment of PO & PSO attainment	Yes	--	Survey was conducted for Indirect Assessment of PO & PSO attainment	Satisfactory
	(i) Exit survey	Yes	--	Exit survey from the graduate students was taken	Satisfactory
	(ii) Parent survey	Yes	--	Exit survey from the graduate parents was taken	Satisfactory
	(iii) Alumni survey	Yes	--	Exit survey from the Alumni was taken during their visit to the department	Satisfactory
	(iv) Recruiter survey	Yes	--	Exit survey from the Recruiter was taken during the time of recruitment	Satisfactory
44.	Indirect attainment of PO & PSO were calculated	Yes	--	Indirect attainment calculated based on the stakeholders feedback	Satisfactory PO-1.31, PO-1.35, PO12-1.17, PSO1-1.34 Are to be improved
45.	Overall attainment of PO & PSO of the batch was calculated	Yes	--	Overall attainment of PO & PSO of the batch 2017-21 was calculated based on the 80% from direct assessment and 20% indirect assessment	Satisfactory
46.	Workshops/FDPs were conducted for faculty	Yes	6th-10thJuly, 2020	Department organized One FDP on 1. "Data Science behind Natural Language Processing "during 6-10 July, 2020	Encourage to conduct more no. of FDP in line with Industrial need

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47.	Faculty participated in Workshops/FDPs etc.,	Yes	--	Faculty members participated in 34 workshops/FDPs	Satisfactory
48.	Faculty took online courses (NPTEL/SWAYAM MOOCs etc.)	Yes	--	Four faculty members completed NPTEL/MOOCs online courses in this academic year	Satisfactory
49.	Faculty published in Refereed journals	Yes	During A.Y. 2020-21	<u>International:03</u> Scopus: 0 SCI : 0 Others : 3	Suggested to publish in Scopus/SCI
50.	Faculty published in Conference proceedings	Yes	During A.Y. 2020-21	<u>International:07</u>	Satisfactory
51.	Faculty attended conferences for paper presentation	Yes	During A.Y. 2020-21	International: 03	Satisfactory
52.	Faculty won awards (*including best research paper award*)	No	--	Nil	NIL
53.	**Faculty Research proposals (Total cost in lakhs)NIL**				
	(i) Prepared	No	--	Number: 00 Amount: 00	Suggested to submit proposals to other funding agencies
	(ii) Submitted to Govt. agencies	No	--	Number: 00 Amount: 00	
	(iii) Sanctioned by Govt. agencies	No	--	Number: 00 Amount: 00	
	(iv) Submitted to Non-Govt. agencies	No	--	Number: 00 Amount: 00	
	(v) Sanctioned by Non-Govt. agencies	No	--	Number: 00 Amount: 00	
	(vi) Submitted under FRSS of Institute	No	--	In this academic year, administration not called for FRSS proposals	
	(vii) Sanctioned under FRSS of Institute	No	--	No Proposals are sanctioned due to above reason	
	(viii) Total Sanctioned	No	--	--	
54.	**Other proposals by faculty (Total cost in lakhs) (FDPs/Seminar Grants, etc.)**				
	(i) Prepared	No	--	Number: 00 Amount: 00	Suggested to submit proposals to other funding
	(ii) Submitted	No	--	Number: 00 Amount: 00	
	(iii) Total Sanctioned	No	--	Number: 00 Amount: 00	
55.	Consultancy projects undertaken	No	--	Department is striving hard to get industrial consultancy projects by contacting various industries	Suggested to improve the consultancy work

56.	*Any other Faculty achievements(not covered above)*	No	--	--	NIL
57.	Workshops/Seminars conducted for students	Yes	12th-13th July, 2020	Number : 01 Department organized Two-Day Workshop on DevOps during 12-13 July,2020	Increase in number
58.	Interactive sessions arranged with alumni	Yes	--	01 Interactive session arranged with alumni	Suggested to increase the number of interactive sessions
59.	Students participated in academic activities at other institutes	Yes	--	53 students were participated in various academic activities.	Satisfactory
60.	Students won Prizes in academic activities at other institutes	Yes	--	One student has won the prize in academic activities conducted in online mode	Satisfactory
61.	Students participated in cultural activities at other institutes	Yes	--	One student has won the prize in cultural activities conducted in online mode	Satisfactory
62.	Students won Prizes in cultural activities at other institutes	Yes	--	One student has won the prize in cultural activities conducted in online mode	Satisfactory
63.	Students participated in sports activities at other institutes	No	--	Due to pandemic situation, students are not able to participate in sports activities	Satisfactory
64.	Students won Prizes in sports activities at other institutes	No	--	Due to pandemic situation, students are not able to won prizes in sports activities	Satisfactory
65.	Students undergone internships	Yes	--	25 Students undergone internships	Satisfactory
66.	Students won "Best student project award"	No	--	Last year TCS was not invited any proposals for Best student project award	Satisfactory
67.	Any Innovations by students	No	--	Due to pandemic situation, Laboratories are closed. Hence, the students are not able to do any Innovative projects in last academic year	Satisfactory
68.	Students took online courses (NPTEL/SWAYAM MOOCs etc.)	Yes	--	04 students completed NPTEL courses	Satisfactory
69.	Start-ups are incubated on campus	No	--	• I²RE building is under construction • Soon it will be established in the campus	Satisfactory
70.	**Students Placements**				
	No. of students eligible for placements	60	--	60 students are eligible for placements	Satisfactory
	No. of students registered for T&P activity	60	--	60 students registered for T&P activity	

	No. of students placed	45	--	45 students placed in various companies	
	No. of students joined for Higher Education	03	--	M.S. Abroad: 03 M. Tech.: 0 MBA: 0	
	No. of students secured Jobs in PSUs	NO	--	Nil	
	No. of student Entrepreneurs	NO	--	Nil	
71.	*Other student achievements(not covered above)*	Yes	--	18 Conference Papers were published by the students in various International conferences.	Satisfactory
72.	Dept. Newsletters were released				
	(i) Odd semester	Yes	November,2020	The INNOVATA-Issue:19 newsletter was released in the month of Nov, 2020	Satisfactory
	(ii) Even semester	Yes	July, 2021	The INNOVATA- Issue:20 newsletter was released in the month of July, 2021	Satisfactory
73.	Yearly Technical Magazine was released	Yes	August, 2021	The BITWISE - Issue:10 Magazine was released on August, 2021	Satisfactory
74.	Self Appraisal reports (PBAS) were submitted by all faculty	Yes	-	All faculty members submitted PBAS for the annual increment	Satisfactory
75.	Self Appraisal reports are submitted by all Non-teaching staff	Yes	-	All Non-teaching staff members submitted PBAS for the annual increment	Satisfactory
76.	Department Academic Advisory Committee (DAAC) meetings were held regularly	Yes	-	Department Academic Advisory Committee meetings are conducted regularly.	Satisfactory
77.	Alumni visited the department (*not covered under Alumni interactive sessions above*)	No	--	Due to the pandemic situation, no alumni visited the department	Satisfactory
78.	Alumni funding to the department (*if any*)	No	--	No funding received from alumni	Suggested to contact alumni for development of labs/equipments
79.	MoUs signed /Collaborations established	Yes	01	NIT, Warangal	Satisfactory
80.	*Any other Department Achievements (not covered above)*	No	--	--	NIL

D. Best Practices, SWOC Analysis, Shot Term and Long Term Goals:

Best Practices of the Department
1. Counseling (Mentorship) Program.
2. Stakeholders Involvement.
3. Skill and Employability Enhancement for Students

SWOC Analysis of the Department

Strengths:
- Well qualified, experienced and dedicated faculty with good retention.
- Good infrastructure with well equipped labs and facilities.
- Continuous monitoring and counseling of students for the overall improvement of the students and to discuss their problems regarding academics and other facilities.
- Department organizes FDP's /Training to faculty & guest lecturers to students periodically.
- Significant number of meritorious students are taking admission and the quality of the enrolled students is improving every year.
- Placement Training, Personality Development programme, professional development activities and value added programmes are conducted for students' career development.
- Good placement record.
- Remedial and Makeup classes are being conducted to improve the students performance

Weakness:
- Research laboratory has to be established.
- Department has to get grants from reputed organizations.
- More number of faculty have to complete their Ph.D's.
- R&D and consultancy need to be enhanced.
- Appoint adjunct / visiting professors from Industry/academia.

Opportunities:
- Motivating the faculty members in publication and research.
- To organize more Workshops in the department for students and faculty to impart the knowledge and hands-on experience on latest technologies & tools.
- To motivate students to be successful entrepreneurs.
- Since department is having young and energetic teaching fraternity, there is a lot of scope for research work. Department can try to generate funds from consultancy work and provide hands on experience to the students.

Challenges:
- Updating of curriculum according to the industrial expectations.
- To groom the students ready to cope up with the industry needs.
- Motivating the students to attend Summer Internships to get an exposure to the corporate world.
- To get funds/ grants from funding Agencies.
- To concentrate on improving the soft skills and technical skills of the students as most of the students are from rural background.
- To sign MoUs with companies to have collaborative domain & specific training programs.

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(*An Autonomous Institute under Kakatiya University, Warangal, T.S.*)
DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Audit for A.Y. 2020-21

Short Term Goals of the Department	
Short term goal 1: To improve students placements	**Action Plan:** 1. During association hour, we are planning to conduct motivation sessions with already placed students in different companies. 2. To conduct special classes on Saturday's to improve technical skills of the students. 3. To invite eminent speakers from industries for delivering guest lectures on latest.
Short term goal 2: To Motivate students to publish their Mini and Major Project in reputed international journals and conferences	**Action Plan:** 1. Integrating Innovation Incubation Research and Entrepreneurship(I²RE) into course teaching by giving special assignments on Course Patents and Course Research Paper
Short term goal 3: To conduct National/International Conference in the department	**Action Plan:** 1. Process Initiated to organize National/International Conference during next academic year
Long Term Goal of the Department	

Long term goal: Encourage the faculty
       • To complete Ph.D. Programme.
       • To publish research papers and claiming patents.
       • To acquire research grants.
 	
 Action Plan:
 1. Motivating faculty to apply for research grants every year.
 2. Regular monitoring of research progress of individual faculty.
 3.Planning to organize research talks by experts to improve effective research capabilities.	

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(An Autonomous Institute under Kakatiya University, Warangal, T.S.)
DEPARTMENT OF INFORMATION TECHNOLOGY

Academic Audit for A.Y. 2020-21

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

HOD Typical comments/remarks are missing in IQAC Academic Audit form
Indicate meetings/ATR with objectives and issues resolved
Purpose and Procedure to decide makeup, remedial, revision and its impact to be mentioned in each session
Include counselor interactions, duration, periodicity, student benefits, impact in student counseling register
Maintain faculty cadre ratio as per AICTE norms
Redraft SWOC, Best Practices, Short and long term goals to focus on Academic and Industrial Research
Encourage the students to take more online courses
Suggested to submit proposals to other funding agencies to enhance the research activity
Increase the number of alumni interactions/industrial resource persons
Suggested to organize workshops in association with industry/alumni as resource person
Suggested to start consultancy with minimum revenue generation

Date of Academic audit: 03.09.2021

Name & Signature of HoD: Dr.P.Kamakshi, Professor &Head , Dept of I.T

Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

	KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
	(*An Autonomous Institute under Kakatiya University, Warangal, T.S.*)
	DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Audit for A.Y. 2020-21

DEPARTMENT ACADEMIC AUDIT

Academic Year: 2020-21

Date: 02-09-2021

Please fill the following information (*pertaining to the previous academic year*):

Name of the Department	Electronics and Communication Engineering (ECE)
Head of the Department	Dr. B. Rama Devi, Professor & Head.
Department Academic Advisory Committee (DAAC)	Dr. K. Ashoka Reddy, Principal Dr . G. Raghotham Reddy, Professor Dr. B. Rama Devi, Professor & Head Sri E. Suresh, Associate Professor Smt. S.P. Girija, Associate Professor Smt. A. Vijaya, Associate Professor Dr. M. Raju, Associate Professor Dr. V. Venkateshwar Reddy, Associate Professor

A. **Details of Programmes offered by the Department:**

Programme Level	Name of the Programme	Year	Sanctioned Intake + Lateral entry	No. of students admitted	No. of students not registered	Whether NBA accredited?	Validation period of NBA accreditation along with File No. & date
UG	B.Tech - Electronics & Communication Engineering(ECE)	I	180	180	-	Yes	Accredited by NBA for 3 years (i.e for the academic year 2017-18, 2018-19 & 2019-20) vide letter No.11-76/2010/NBA, dated:29.03.2018.
		II	180+ 18 = 198	198	-	Yes	
		III	180+ 18 = 198	198	-	Yes	
		IV	180+ 36 = 216	216	-	Yes	
	B.Tech -Electronics Communication & Instrumentation Engineering(ECI)	I	60	45	-	NA	NA
		II	60+06 = 66	60	-	NA	NA

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Audit for A.Y. 2020-21

PG	M.Tech - Digital Communication (DC)	I	30	10	-	No	
		II	30	12	-	No	
	M.Tech – Communication Engineering & Signal Processing (CESP)	I	30	08	-	NA	NA
Ph.D.						NA	NA

B. Faculty Information:

1.	Total Faculty in the Department	33
2.	No. of Faculty identified for B.Tech.I year *(considering fractional load)*	-
3.	No. of Faculty identified for UG (B.Tech. II, III & IV year) *(considering fractional load)*	25
4.	No. of Faculty identified for PG *(considering fractional load)*	6
5.	Faculty : Student ratio (FSR) for UG	**24/(600+78)=25/678=1:27**
6.	Faculty : Student ratio (FSR) for PG	**6/90=1:15**
7.	Faculty Cadre Ratio:	
	(i) No. of Professors	3
	(ii) No. of Assoc. Prof.	5
	(iii) No. of Asst. Prof.	25
	(iv) Faculty Cadre Ratio =	**1 : 1.66 : 8.33**
8.	Faculty Qualification:	
	(i) No. of Faculty with Ph.D.	12
	(ii) No. of Faculty with M.Tech/MBA	21
	(iii) No. of Faculty with B.Tech/MCA/MSc	-
9.	No. of faculty pursuing Ph.D.	20
10.	No. of faculty with degrees from IITs/NITs	04
11.	No. of faculty with degrees from Universities abroad	-
12.	No. of faculty identified as Research Supervisors by various Universities	02

C. Assessment Data

- *Please mention YES or NO in third column*
- *Mention Date of item (if any) in fourth column*
- *Required details can be filled in "Remarks by HoD" column - based on YES/NO stated in the third column*
- *If any response to any item is not of YES/NO type, please write full details in "Remarks by HoD" column*
- *Mention –N.A- if any data is irrelevant in"Remarks by HoD" column*

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
1.	New programs added	YES	15.06.2020	M.Tech. (CESP) with intake 30, (F.No. South-Central/1-7002525596/2020/EOA) File is available AA_C1	Satisfactory
2.	No. Of UG Laboratories	YES	-	12 UG Laboratories File is available AA_C2	Satisfactory
3.	No. of PG Laboratories	YES	-	03 PG Laboratories File is available AA_C2	Satisfactory
4.	New laboratories added	YES	-	05 New Laboratories added File is available AA_C2	Satisfactory
5.	Total cost of equipment in all laboratories	YES	-	Rs. 2,41,83,799 File is available AA_C2	Provide the details of labs established for this total cost
6.	Cost of newly added equipment	YES	-	Rs. 68,46,239 File is available AA_C2	Provide the details of lab equipment
7.	Curriculum revision done	YES	22.05.2021	URR18-B.Tech ECE (VII & VIII Semesters) File is available AA_C3	Satisfactory
			22.05.2021	URR18-B.Tech ECI (V & VI Semesters) File is available AA_C3	
8.	Survey taken from stakeholders on syllabus revision or course content	YES	-	Survey was taken in the feedback forms File is available AA_C3	Satisfactory
9.	Action taken report prepared on stakeholders feedback	YES	-	Action taken report was prepared on stakeholders feedback File is available AA_C3	Provide brief report on issues resolved -ATR

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
10.	Survey reports available on website	NO	--	Uploading of Survey reports to website is under process	Satisfactory
11.	Board of Studies meeting conducted	YES	22.05.2021	Curriculum revision of URR18-B.Tech. ECE (VII & VIII Semesters) File is available AA_C3	Satisfactory
			22.05.2021	Curriculum revision of URR18-B.Tech. ECI (V & VI Semesters) File is available AA_C3	
12.	Syllabus is approved by Academic Council	YES	-	Academic Council approved the Syllabus	Satisfactory
13.	UG Workload allotted to faculty	YES	-	Avg. work load: 15 Faculty required:26 Faculty existing: 25 File is available AA_C4	Indicate significance of avg workload Provide UG workload allotted to faculty cadre as per AICTE/UGC norms
14.	PG Workload allotted to faculty	YES	-	Avg. work load: 14 Faculty required:06 Faculty existing: 06 File is available AA_C4	Indicate significance of avg workload PG workload allotted to faculty cadre as per AICTE/UGC norms
15.	Faulty Recruited	YES	-	No. of faculty recruited:02 File is available AA_C4	Satisfactory
16.	Calendar for Dept. Association activities prepared	YES	-	Schedule of Dept. Association activities was prepared File is available AA_C5	Provide brief details with HOD remarks
17.	Regular counselling of students is done	YES	-	Regular counselling of students was done based on their performance File is available AA_C6	Counselling system is good. Provide counsellor interaction details, duration, period, student benefits etc
18.	Teaching schedules were uploaded into CMS before commencement of classwork	YES	Odd Sem: 03.08.2020 Even Sem: 23.11.2020	Teaching schedules were uploaded to Course web ahead of respective semesters. File is available AA_C7	Satisfactory

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
19.	Assignments were posted timely into CMS as per teaching schedule	YES	-	Assignments were uploaded to Course web timely in the respective semesters. File is available AA_C7	Satisfactory
20.	Evaluation of assignments & posting of marks into CMS was done as per Assignment schedule	YES	-	Assignments evaluation & marks posting to CMS and Course web was done as scheduled File is available AA_C7	Provide brief details of evaluations procedure
21.	Regular Course Committee meetings (CCM) were conducted by Course coordinator	YES	-	CCMs were conducted regularly and minutes were filed File is available AA_C8	Provide brief details of minutes/HOD typical remarks
22.	Action taken report was prepared on CCMs conducted	YES	-	ATR on CCMs was prepared File is available AA_C8	Provide brief details of Action taken details/HOD remarks
23.	Online feedback taken from students before MSE-I	NO	-	Online feedback was not taken due to ongoing pandemic	Ok
24.	Class Representative Committee meetings (CRC-I) were conducted before MSE-I	YES	Odd Sem: 18.09.2020 Even Sem: 06.04.2021	CRC-I meetings were conducted before MSE-I File is available AA_C9	Provide brief details of Meeting highlights/HOD Remarks
25.	Action taken report was prepared on CRC-I meetings conducted	YES	Odd Sem: 19.09.2020 Even Sem: 07.04.2021	A note was issued to the faculty based on CRC-I meetings File is available AA_C9	Provide brief details Actions initiated/HOD remarks
26.	Course Review meeting (CRM-I) conducted after MSE-I by HoD for courses of B.Tech II, III & IV year	YES	-	CRM-I was conducted for all the courses after MSE-I File is available AA_C10	Provide brief details of CRM/HOD remarks
27.	Action taken report prepared on CRM-I meetings conducted	YES	-	ATTRs & ATRs were prepared using OBE reports File is available AA_C10	Highlights of CRM-ATR
28.	Student Progress report sent to parents after MSE-I	NO	-	Due to ongoing pandemic student progress reports were not sent.	Ok

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
29.	Remedial classes conducted as per timetable	NO	-	Due to ongoing pandemic remedial classes were not scheduled	Ok
30.	Online feedback taken from students before MSE-II	NO	-	Online feedback not taken due to ongoing pandemic	Ok
31.	Class Representative Committee meetings (CRC-II)were conducted before MSE-II	YES	Odd Sem: 15.12.2020 Even Sem: 03.05.2021	CRC-II meetings were conducted before MSE-II File is available AA_C9	Provide brief details of CRM/HOD remarks
32.	Action taken report was prepared on CRC-II meetings conducted	YES	Odd Sem: 16.12.2020 Even Sem: 04.05.2021	A note was issued to the faculty based on CRC-II meetings File is available AA_C9	Provide brief details of CRM/HOD remarks
33.	Course Review meeting (CRM-II) conducted after MSE-II by HoD for courses of B.Tech II, III & IV year	YES	-	CRM-II was conducted for all the courses after MSE-I File is available AA_C10	C Provide brief details of CRM/HOD remarks
34.	Action taken report prepared on CRM-II meetings conducted	YES	-	ATTRs & ATRs were prepared using OBE reports File is available AA_C10	Provide Highlights of ATTRs/HOD remarks
35.	Dossier prepared for students having shortage of attendance	NO	-	Due to ongoing pandemic, shortage of attendance was not considered	Satisfactory
36.	Students detained due to shortage of attendance	NO	-	Due to ongoing pandemic, students were not detained due to shortage of attendance	Satisfactory
37.	Makeup classes were arranged for students writing supplementary exams	NO	-	Due to ongoing pandemic makeup classes were not scheduled	Ok
38.	Faculty using ICT based teaching	YES	-	ICT based teaching was done and the list was prepared File is available AA_C13	Provide Impact of ICT based-practical constraints/HOD Typical remarks
39.	Additional teaching material (Handouts) were given to students	YES	-	Handouts were given and the list was prepared File is available AA_C13	Ok

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
40.	NPTEL lectures screened	YES	-	NPTEL lectures were screened and the list was prepared File is available AA_C13	Indicate Total number of lectures screened
41.	Advancements in relevant areas (*published in Conference proceedings /journal papers*) were discussed in class (Coursewise details)	YES	-	Course wise Research papers were referred and discussed in the class and the list was prepared File is available AA_C13	Provide HOD typical remarks on benefits and impact
42.	Result analysis after ESE evaluation:				
	(i) CO, PO Direct attainments were calculated	YES	-	Direct attainment levels were calculated and filed File is available AA_C14	Satisfactory
	(ii) Gaps were identified	YES	-	Based on the Direct attainment levels gaps were identified File is available AA_C14	Satisfactory
	(iii) Action to be taken reports prepared	YES	-	ATTRs were prepared based on gaps identified File is available AA_C14	Satisfactory
	(iv) Action taken reports prepared	YES	-	ATRs were prepared based on ATTRs File is available AA_C14	Satisfactory
	(v) Minutes of Meetings recorded	YES	-	Minutes of Meetings for Direct attainments were recorded File is available AA_C14	Satisfactory
43.	Survey was conducted for Indirect Assessment of PO & PSO attainment				
	(i) Exit survey	YES	-	Survey forms were collected for the assessment of PO & PSOs from the passing out batch students File is available AA_C14	Satisfactory
	(ii) Parent survey	YES	-	Survey forms were collected for the assessment of PO & PSOs from the parents File is available AA_C14	Satisfactory

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
	(iii) Alumni survey	YES	-	Survey forms were collected for the assessment of PO & PSOs from the alumni File is available AA_C14	Satisfactory
	(iv) Recruiter survey	YES	-	Survey forms were collected for the assessment of PO & PSOs from the recruiters File is available AA_C14	Satisfactory
44.	Indirect attainment of PO & PSO were calculated	YES	-	Based on the survey forms from the stake holders Indirect attainment of PO & PSOs were calculated File is available AA_C14	PSo1 -1.27 and Po11 -1.13 Needs to be improved
45.	Overall attainment of PO & PSO of the batch was calculated	YES	-	Based on Direct & Indirect attainment, the overall attainment of PO & PSOs was calculated File is available AA_C14	Satisfactory
46.	Workshops/FDPs were conducted for faculty	YES	-	AICTE sponsored STTPs: 3 Phases AICTE sponsored FDPs: 2 Phases File is available AA_C15	Satisfactory
47.	Faculty participated in Workshops/FDPs etc.,	YES	-	Facult Participations in Workshops/FDPs: 106 File is available AA_C15	Satisfactory
48.	Faculty took online courses (NPTEL/SWAYAM MOOCs etc.)	YES	-	Facult took online courses: 03 File is available AA_C15	Encourage faculty to take more online courses

49.	Faculty published in Refereed journals	YES	-	International:(Number)
				    SCI: 03
				    Scopus: 08
				    Others :
				 National:(Number)
				    SCI:0
				    Scopus: 0
				    Others : 0
				 File available AA_C16
					Suggested to increase in journal publications

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
50.	Faculty published in Conference proceedings	YES	-	International: 15 National: File available AA_C16	Suggested to increase in conferences publications
51.	Faculty attended conferences for paper presentation	YES	-	International: 05 File available AA_C16	Satisfactory
52.	Faculty won awards (*including best research paper award*)	YES	-	Best researcher awards: 02 File available AA_C17	Satisfactory
53.	Faculty Research proposals (Total cost in lakhs)				
	(i) Prepared	YES	-	Number: 22 Amount: 342.33 Lakhs File is available AA_C18	Satisfactory
	(ii) Submitted to Govt. agencies	YES	-	Number: 19 Amount: : 308.35 Lakhs File is available AA_C18	Satisfactory
	(iii) Sanctioned by Govt. agencies	NO	-	Number: 0 Amount:	Faculty advised to apply other funding agencies
	(iv) Submitted to Non-Govt. agencies	NO	-	Faculty are preparing the proposals for Non-Govt. agencies Number: Nil Amount::	
	(v) Sanctioned by Non-Govt. agencies	NO	-	Faculty are preparing the proposals for Non-Govt. agencies Number: Nil Amount:	
	(vi) Submitted under FRSS of Institute	YES	-	Number:02 Amount: 4 Lakhs File is available AA_C18	
	(vii) Sanctioned under FRSS of Institute	NO	-	FRSS was not considered at the institute level this year. Number: Nil Amount:0	
	(viii) Total Sanctioned	NO	-	Number: Nil Amount: 0	

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
54.	Other proposals by faculty (Total cost in lakhs) (FDPs/Seminar Grants, etc.)				
	(i) Prepared	NO	-	Faculty are preparing the proposals for other agencies Number: Amount:	Faculty advised to apply other funding agencies
	(ii) Submitted	NO		Faculty are preparing the proposals for other agencies Number: Amount:	
	(iii) Total Sanctioned	NO		Faculty are preparing the proposals for other agencies Number: Amount:	
55.	Consultancy projects undertaken	NO		Consultancy projects are being planned Number: Amount:	Suggested to start consultancy with minimum revenue generation
56.	*Any other Faculty achievements (not covered above)*	NO	-	-	NIL
57.	Workshops/Seminars conducted for students	YES		Number: 03 File is available AA_C20	Satisfactory
58.	Interactive sessions arranged with alumni	YES	-	Due to pandemic, only few interactive sessions were arranged with alumni File is available AA_C20	Satisfactory
59.	Students participated in academic activities at other institutes	YES	-	Number:21 File is available AA_C21	Satisfactory
60.	Students won Prizes in academic activities at other institutes	YES	--	Number:04 Amount (*if any*): File is available AA_C21	Satisfactory
61.	Students participated in cultural activities at other institutes	NO	--	Due to ongoing pandemic, students have not participated in cultural activities at other institutes Number: Nil	Satisfactory

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
62.	Students won Prizes in cultural activities at other institutes	NO	--	Due to ongoing pandemic, students have not participated in cultural activities at other institutes Number: Nil Amount (*if any*):	Satisfactory
63.	Students participated in sports activities at other institutes	NO	--	Due to ongoing pandemic, students have not participated in sport activities at other institutes Number: Nil	Satisfactory
64.	Students won Prizes in sports activities at other institutes	NO	--	Due to ongoing pandemic, students have not participated in sport activities at other institutes Number: Nil Amount (*if any*):	Satisfactory
65.	Students undergone internships	YES	-	Number:419 File is available AA_C23	Satisfactory
66.	Students won "Best student project award"	NO	--	Due to ongoing pandemic, TCS Best project award nomination was not called Number: Nil Amount (*if any*):	Ok
67.	Any Innovations by students	NO	-	Any significant innovation was not reported till now by the students	NIL
68.	Students took online courses (NPTEL/SWAYAM MOOCs etc.)	YES	--	Students have completed NPTEL/SWAYAM courses File is available AA_C23	Satisfactory
69.	Start-ups are incubated on campus	NO	--		NIL
70.	Students Placements				
	No. of students eligible for placements	YES	--	Eligible Students: 199 File available AA_C25	Satisfactory
	No. of students registered for T&P activity	YES	--	T&P Registered: 188 File available AA_C25	Satisfactory
	No. of students placed	YES	--	Students placed: 116 File available AA_C25	Satisfactory

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
	No. of students joined for Higher Education	NO	--	Due to ongoing pandemic, students are still in the admission process for Higher Education	Ok
	No. of students secured Jobs in PSUs	NO	--	Due to ongoing pandemic, students are still waiting for the notifications on PSUs	Ok
	No. of student Entrepreneurs	NO	-	Due to ongoing pandemic, students are facing a little difficulty to become entrepreneurs	Ok
71.	*Other student achievements(not covered above)*	NO	-	-	NIL
72.	Dept. Newsletters were released				
	(i) Odd semester	YES	28.09.2020	News letter covering all the activities for the odd semester was released File is available AA_C26	Satisfactory
	(ii) Even semester	YES	03.03.2021	News letter covering all the activities for the even semester was released File is available AA_C26	Satisfactory
73.	Yearly Technical Magazine was released	YES	03.03.2021	Technical Magazine covering all the activities for the academic year was released File is available AA_C26	Satisfactory
74.	Self Appraisal reports (PBAS) were submitted by all faculty	YES	30.06.2021	PBAS for the academic year were submitted by all faculty File is available AA_C27	Satisfactory
75.	Self Appraisal reports are submitted by all Non-teaching staff	YES	30.06.2021	Self appraisal reports for the academic year were submitted by all non-teaching staff File is available AA_C27	Satisfactory
76.	Department Academic Advisory Committee (DAAC) meetings were held regularly	YES	-	Regular DAAC meeting were held and minutes were filed File is available AA_C28	Satisfactory

S.No.	Item	YES / NO	Date	Remarks by HoD	Remarks by Audit Committee
77.	Alumni visited the department (*not covered under Alumni interactive sessions above*)	YES	-	Only few of the alumni visited the department this year due to ongoing pandemic File is available AA_C29	Satisfactory
78.	Alumni funding to the department (*if any*)	YES	-	Alumni funded Innovation Lab (To be established) Rs. 2,95,584 collected File is available AA_C29	Good
79.	MoUs signed /Collaborations established	YES	-	No. of MoUs signed: 02 File is available AA_C30	Satisfactory
80.	*Any other Department Achievements (not covered above)*	YES	-	Organized an "International Conference on Data Engineering and Communication Technology"	Satisfactory

D. Best Practices, SWOC Analysis, Shot Term and Long Term Goals:

Best Practices of the Department
The following are the Best Practices by the department of Electronics and Communication Engineering (ECE) 1. Organizing series of International Conferences (1 per year). 2. Department newsletter (Frequency of publication: two per year). 3. Department technical magazine (Frequency of publication: one per year). 4. Mentoring of the students for their academic excellence and all-round development with continuous counselling by the faculty. 5. Industrial interaction and field visit by 3rd year students with faculty team. 6. Industrial visits by the individual faculty members to establish industrial interaction. 7. Financial support to the students for realizing real time projects. 8. Nurturing diversified skills of students by conducting different activity, interactive sessions, and lectures in department association hour. 9. Cultivating self-learning ability in students and faculty by encouraging registration in certification courses like NPTEL, RPA, short-term training programs, online courses, etc.

SWOC Analysis of the Department
Strengths: ➤ Qualified, experienced and dedicated teaching faculty with good retention ratio. ➤ Frequent revision of the syllabus by incorporating feedback from stakeholders to meet the growing interdisciplinary approach in the teaching-learning process. ➤ Laboratories with state of the art equipment and modern software tools. ➤ Continuously accredited with NBA ➤ Student centric functioning with mentoring, counselling through teachers and Effective academic monitoring. ➤ Effective use of ICT in teaching learning process.(Centralized e-class having a computer, LCD, overhead and OHP projector.) ➤ More than 100 placement offers from reputed companies annually. ➤ Special care, attention, and counselling by faculty to meet the diversified needs of students with diverse background. ➤ Adjusting to pressures of growth ➤ Student support services as the most prominent strengths.
Weakness: ➤ Dept R&D Centre ➤ Less number of faculty with PhD guide ship ➤ Less number of R&D and consultancy funding ➤ Match between research expectation & support ➤ Lack of flexibility in introducing innovative and job/entrepreneurial development degree program. ➤ Student preparedness towards various entrance exams ➤ Lack of strong, pervasive presence in the external community ➤ No faculty exchange programme ➤ Lack of student and staff joint research publications. ➤ Involvement of alumni at department level is less.
Opportunities: ➤ Developing consultancy ➤ Focusing on water and energy saving issues. ➤ Department can strive to receive grants for research/ consulting project from bodies like UGC, AICTE, DST, DOE etc ➤ R&D collaboration with universities, central & state organizations in India and Abroad ➤ Industry tie-ups and joint research ➤ Faculty and students exchange programmes can be started ➤ To arrange more number of FDPs /STTPS/ National Level /International Level conferences.

Challenges:

➢ Development of advanced teaching & learning methodologies and evolution
➢ Due to the poor economic background of the locality, it is difficult to open self- financed job oriented courses.
➢ Enhancing number of students opting for entrepreneurship.
➢ Constant changes to technology
➢ Need to generate income from alternative sources
➢ Due to Covid-19 epidemic, Global recession may hamper placement opportunities for students.
➢ Supporting the institution for becoming deemed University
➢ More placements in core companies.

Short Term Goals of the Department	
Short term goal 1: To make the students industry ready	Action Plan: By providing in house training to students and updating them with latest technology by taking them on industrial tours
Short term goal 2: To increase the research activity in the state of art fields	Action Plan: All the faculty are to be encouraged to present, publish and chair conferences
Short term goal 3: To be recognized as Research Centre	Action Plan: Application submitted for recognition as Research Centre under Kakatiya University, Warangal and to get approved as a research centre

Long Term Goal of the Department

Long term goal:
1) To be one of the leading department in the field of Electronics and Communication and centre of eminence on par with premium institutes in the country
2) To see that all the faculty in the department are with doctorial degrees

Action Plan:

• To score a good rank in NIRF, NAAC and other technical bodies
• To encourage faculty to publish and to attend International conferences, thereby pursue Ph.D's
• To sign MOU's with leading institutes of eminence

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(*An Autonomous Institute under Kakatiya University, Warangal, T.S.*)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Academic Audit for A.Y. 2020-21

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

HOD Typical comments/remarks are missing in IQAC Academic Audit form
Indicate meetings/ATR with objectives and issues resolved
Purpose and Procedure to decide makeup, remedial, revision and its impact to be mentioned in each session
Include counselor interactions, duration, periodicity, student benefits, impact in student counseling register
Maintain faculty cadre ratio as per AICTE norms
Redraft SWOC, Best Practices, Short and long term goals to focus on Academic and Industrial Research
Encourage the students to take more online courses
Suggested to submit proposals to other funding agencies to enhance the research activity
Increase the number of alumni interactions/industrial resource persons
Suggested to organize workshops in association with industry/alumni as resource person
Suggested to start consultancy with minimum revenue generation
Suggested to increase the labs for UG and PG programs

Date of Academic audit: 2.09.2021

Name & Signature of HoD: Dr. B. Rama Devi &

Department Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal, T.S.)
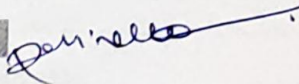**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Academic Audit for A.Y. 2020-21

Overall Suggestions / Remarks by Department Academic Audit Committee Members:
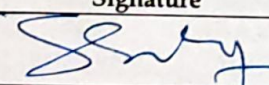
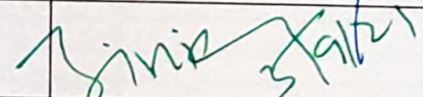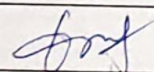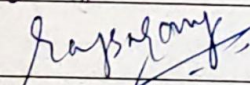| |
|---|
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| Encourage the students to take more online courses |
| Suggested to submit proposals to other funding agencies to enhance the research activity |
| Increase the number of alumni interactions/industrial resource persons |
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| Suggested to start consultancy with minimum revenue generation |
| Suggested to increase the labs for UG and PG programs |

Date of Academic audit: 2.09.2021

Name & Signature of HoD: Dr. B. Rama Devi &

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3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

DEPARTMENT ACADEMIC AUDIT

Academic Year: 2020-2021

Date: 03.09.21

Please fill the following information (*pertaining to the previous academic year*):

Name of the Department	Physical Sciences/ Mathematics & Humanities
Head of the Department	Dr. T. Madhukar Reddy / Dr. K. Shivashanker
Department Academic Advisory Committee (DAAC) PSS 1. Dr. T. Madhukar Reddy 2. Dr. D. Prabhakara chary 3. Dr. H. Rameshbabu 4. Dr. Ch. Sateesh Chandra 5. N. Maramu	Department Academic Advisory Committee (DAAC) M&H 1. Dr.K.Shivashanker 2. Dr.G.Manjulatha Devi 3.Dr.R.Ramesh

A. Details of Programmes offered by the Department: <u>Not Applicable</u>

Programme Level	Name of the Programme	Year	Sanctioned Intake + Lateral entry	No. of students admitted	No. of students not registered	Whether NBA accredited?	Validation period of NBA accreditation along with File No. & date
UG	B.Tech -	I			--		
		II					
		III					
		IV					
PG	M.Tech -	I					
		II					
Ph.D.							

B. Faculty Information:

1.	Total Faculty in the Department	M&H--15	PSS--16
2.	No. of Faculty identified for B.Tech.I year *(considering fractional load)*	M&H--08	PSS--16
3.	No. of Faculty identified for UG (B.Tech. II, III & IV year) *(considering fractional load)*	M&H--06	PSS--00
4.	No. of Faculty identified for PG *(considering fractional load)*	M&H--01	00
5.	Faculty : Student ratio (FSR) for UG	1:15	1:15
6.	Faculty : Student ratio (FSR) for PG	1:15	
7.	Faculty Cadre Ratio:		
	(i) No. of Professors	00	00
	(ii) No. of Assoc. Prof.	01	04
	(iii) No. of Asst. Prof.	14	12
	(iv) Faculty Cadre Ratio =	0:1:14	0:4:12
8.	Faculty Qualification:		
	(i) No. of Faculty with Ph.D.	11	15
	(ii) No. of Faculty with M.Tech/MBA	00	00
	(iii) No. of Faculty with B.Tech/MCA/MSc	04	01
9.	No. of faculty pursuing Ph.D.	01	01
10.	No. of faculty with degrees from IITs/NITs	04	03
11.	No. of faculty with degrees from Universities abroad	00	02
12.	No. of faculty identified as Research Supervisors by various Universities	00	02

C. Assessment Data

- *Please mention YES or NO in third column*
- *Mention Date of item (if any) in fourth column*
- *Required details can be filled in "Remarks by HoD" column - based on YES/NO stated in the third column*
- *If any response to any item is not of YES/NO type, please write full details in "Remarks by HoD" column*
- *Mention –N.A- if any data is irrelevant in"Remarks by HoD" column*

S.No.	Item	YES / NO	Date	FILE NAME	Remarks by HoD		Remarks by Audit Committee
1.	New programs added	YES		AA_C1	---		Ok
2.	No. of UG Laboratories	YES		AA_C2	M&H---01 English language lab	Satisfactory	Ok
3.	No. of PG Laboratories	NO			NA		Ok
4.	New laboratories added	NO			No		Ok
5.	Total cost of equipment in all laboratories	YES		AA_C2	14,77,703Rs +20,20,554Rs= 34,98,257Rs	4,37,449 Rs + 1,81,154 Rs = 6,18,603 Rs	Good
6.	Cost of newly added equipment	NO			New equipments not added		Ok
7.	Curriculum revision done	YES	03-06-2021 (URR-18)	AA_C3	Curriculum for Engineering mathematics –III , Applicable Mathematics and Environmental studies designed for B.Tech –second year of CSN &ECI programs		Satisfactory
			19-12-2020 (PRR-20)		Curriculum revision was done for the courses (i)Mathematical foundations for Data science (ii)Mathematical methods in Engineering (iii)Operations Research under PRR-20		
8.	Survey taken from stakeholders on syllabus revision or course content	YES	May 2021		Available in the concerned department		Ok
9.	Action taken report prepared on stakeholders feedback	YES	May 2021		Available in the concerned department		Ok
10.	Survey reports available on website	YES			Available in the concerned department		Ok

11.	Board of Studies meeting conducted	YES	JBOS (PRR-20) 19-12-2020	AA_C3	JBOS meeting conducted			Provide Summary of minutes
			JBOS (URR-18) 03-06-2021	AA_C3	JBOS meeting conducted for all the common courses offered by PSS and M&H departments for newly added programs B.Tech CSN &ECI			
12.	Syllabus is approved by Academic Council	YES	12.06.2021	AA_C3	JBOS meeting conducted for the courses (i)Mathematical foundations for Data science (ii)Mathematical methods in Engineering (iii)Operations Research under PRR-20			Satisfactory
13.	UG Workload allotted to faculty	YES	July2020	AA_C4	(i)Associate professor &Head Avg. work load:10 (ii) Assistant professor Avg. work load:18 Faculty required:14 Faculty existing:14	(i)Associate professor &Head Avg. work load:10 ii)Associate professor Avg. work load:16 (ii) Assistant professor Avg. work load:18 Faculty required:16 Faculty existing:16		Provide workload allotment as AICTE/UGC
14.	PG Workload allotted to faculty	YES	December 2020	AA_C4	Assistant professor Avg. work load:04 Faculty required:01 Faculty existing:01	NA		Why Average? Provide workload allotment as AICTE/UGC
15.	Faulty Recruited	NO			No. of faculty recruited:	No. of Faculty recruited:		Ok
16.	Calendar for Dept. Association activities prepared	YES	National mathematics Day & National science Day	AA_C5	National mathematics Day was conducted on 22.12.2020 National science Day was conducted on 28.02.2021			Good
17.	Regular counselling of students is done	YES			By respective department through counsellors			Ok

18.	Teaching schedules were uploaded into CMS before commencement of class work	YES	01-08-2020 & 23.11.2020(I-Sem)& 18-04-2021(II-Sem)	AA_C7	All the faculty members uploaded Teaching schedules into CMS before commencement of class work	Good
19.	Assignments were posted timely into CMS as per teaching schedule	YES	01-08-2020 & 23.11.2020(I-Sem)& 18-04-2021(II-Sem)	AA_C7	All the faculty members uploaded Assignments into CMS as per teaching schedule	Good
20.	Evaluation of assignments& posting of marks into CMS was done as per Assignment schedule	YES	As per the schedule	AA_C7	All the faculty Evaluated the assignments and posted the marks in CMS as per Assignment schedule	Provide summary of evaluations
21.	Regular Course Committee meetings (CCM) were conducted by Course coordinator	YES	4 CCMsbefore MSE-1& 4 CCMs after MSE-1 Conducted	AA_C8	Conducted	Provide brief details
22.	Action taken report was prepared on CCMs conducted	YES		AA_C8	Action taken reports was prepared on CCMs	Provide Brief details of ATR
23.	Online feedback taken from students before MSE-I	YES	January 2021		Available in the concerned department	Provide Feedback highlights
24.	Class Representative Committee meetings (CRC-I) were conducted before MSE-I	YES	I-SEM 04-01-2021 to 07-01-2021	AA_C9	Class Representative Committee meetings (CRC-I) were conducted before MSE-I from 04-01-2021 To 07-01-2021	Provide CRC Minutes
			II-SEM 12-05-2021 to 16-05-2021	AA_C9	Class Representative Committee meetings (CRC-I) were conducted before MSE-I from 12-05-2021 to 16-05-2021	

25.	Action taken report was prepared on CRC-I meetings conducted	YES	I-SEM 10-01-2021	AA_C9	Action taken report was prepared on CRC-I on 10-01-2021	Provide brief details-ATR
			II-SM 18-05-2021	AA_C9	Action taken report was prepared on CRC-I on 18-05-2021	
26.	Course Review meeting (CRM-I) conducted after MSE-I by HoD for courses of B.Tech II, III & IV year	YES	05.02.2021 (I-SEM)	AA_C10	Course Review meeting (CRM-I) conducted after MSE-I on 05.02.2021 (I-SEM)	Provide CRM Minutes
			12-06-2021 (II-SEM)	AA_C10	Course Review meeting (CRM-I) conducted after MSE-I on 12-06-2021(II-SEM)	
27.	Action taken report prepared on CRM-I meetings conducted	YES	I-SEM 05.02.2021	AA_C10	Action taken report prepared on CRM-I meeting on 05.02.2021(I-SEM)	Provide Problems resolved
			II-SEM 12-06-2021	AA_C10	Action taken report prepared on CRM-I meetings on 12-06-2021(II-SEM)	
28.	Student Progress report sent to parents after MSE-I	YES			Sent through the respective Department	Provide Brief details
29.	Remedial classes conducted as per timetable	YES			Conducted	Provide details
30.	Online feedback taken from students before MSE-II	YES			Taken by the respective department	Provide Feedback brief summary
31.	Class Representative Committee meetings (CRC-II)wereconducted before MSE-II	YES	I-SEM 08-02-2021 to 10-02-2021	AA_C9	Class Representative Committee meetings (CRC-I) were conducted before MSE-I from 08-02-2021 to 10-02-2021	Provide CRC details
			II-SEM 17-06-2021 to 23-06-2021	AA_C9	Class Representative Committee meetings (CRC-I) were conducted before MSE-I from 17-06-2021 to 23-06-2021	
32.	Action taken report was prepared on CRC-II meetings conducted	YES	Action taken report was prepared on CRC-II on 20-02-2021	AA_C9	Action taken report was prepared on CRC-II on 20-02-2021	Provide CRC ATR details

			Action taken report was prepared on CRC-II on 25-06-2021	AA_C9	Action taken report was prepared on CRC-II on 25-06-2021	
33.	Course Review meeting (CRM-II) conducted after MSE-II by HoD for courses of B.Tech I year	YES	15-04-2021 (I-SEM)	AA_C9	Course Review meeting (CRM-I) conducted after MSE-II on 15-04-2021(I-SEM)	Provide CRM-II brief details
			19-07-2021 (II-SEM)	AA_C10	Course Review meeting (CRM-I) conducted after MSE-II on 19-07-2021(II-SEM)	
34.	Action taken report prepared on CRM-II meetings conducted	YES	I-SEM 15-04-2021	AA_C10	Action taken report prepared on CRM-I meeting on 15-04-2021 (I-SEM)	Provide ATR CRM-II details
			II-SEM 19-07-2021	AA_C10	Action taken report prepared on CRM-I meetings on 19-07-2021 (II-SEM)	
35.	Dossier prepared for students having shortage of attendance	YES			By respective department	Ok
36.	Students detained due to shortage of attendance	YES			By respective department	Ok
37.	Makeup classes were arranged for students writing supplementary exams	YES		AA_C12	Arranged for lateral entry students	Satisfactory
38.	Faculty using ICT based teaching	YES	March16,2020---Till date	AA_C13	Using Microsoft Teams	Provide highlights of ICT classes
39.	Additional teaching material (Handouts) were given to students	YES		AA_C13	Posting lecture notes in the course web	Ok
40.	NPTEL lectures screened	YES		AA_C13		Provide no of NPTEL lectures screened
41.	Advancements in relevant areas (*published in Conference proceedings /journal papers*) were discussed in class (Course wise details)	YES		AA_C13	Students are submitting special assignments on course research papers and also on Course patents	Provide brief details

							Result analysis after ESE evaluation:		
42.	(i)	CO, PO Direct attainments were calculated	YES			AA_C14	Direct attainment:		Satisfactory
	(ii)	Gaps were identified	YES			AA_C14	Gaps were identified in the concerned courses		Satisfactory
	(iii)	Action to be taken reports prepared	YES			AA_C14	Action to be taken reports prepared		Satisfactory
	(iv)	Action taken reports prepared	YES			AA_C14	Action taken reports prepared		Satisfactory
	(v)	Minutes of Meetings recorded	YES			AA_C14	Minutes of Meetings recorded		Satisfactory
43.	Survey was conducted for Indirect Assessment of PO & PSO attainment		NA	--			Conducted by respective Department		Satisfactory
	(i) Exit survey								
	(ii) Parent survey								
	(iii) Alumni survey								
	(iv) Recruiter survey								
44.	Indirect attainment of PO & PSO were calculated		YES				Indirect attainment:		Satisfactory
45.	Overall attainment of PO &PSO of the batch was calculated		YES				Calculated by respective Department		Satisfactory
46.	Workshops/FDPs were conducted for faculty		YES	27-07-2020 To 31-07-2020	03-07-2020 to 07-07-2020	AA_C15	Four online FDPs were conducted by PSS and M&H Departments		Satisfactory
				08-08-2020 To 09-08-2020	04-08-2020 to 08-08-2020	AA_C15			

47.	Faculty participated in Workshops/FDPs etc.,	YES		AA_C15	Faculty participated in Workshops/FDPs		Provide number
48.	Faculty took online courses (NPTEL/SWAYAM MOOCs etc.)	YES		AA_C15	Faculty took online courses		Provide number
49.	Faculty published in Refereed journals	YES		AA_C16	International:(Number) (a) Scopus: (b) SCI : (c) Others :02 National: (Number) (a) Scopus: (b) SCI : (c) Others :	International:(Number) (d) Scopus: 30 (e) SCI : 10 (f) Others : 00 National: (Number) (d) Scopus: 00 (e) SCI : 00 (c) Others : 10	Need to be mention Maths/Physical science Suggested to increase in number of publications
50.	Faculty published in Conference proceedings	YES		AA_C16	International: (Number) (a) Scopus: (b) SCI : (c) Others :02 National: (Number) (a) Scopus: (b) SCI : (c) Others :	International: (Number) (d) Scopus: 07 (e) SCI :00 (f) Others :00 National: (Number) (d) Scopus: (e) SCI : (c) Others :	Need to be mention Maths/Physical science Suggested to increase in number of publications
51.	Faculty attended conferences for paper presentation	YES		A A_C16	International:07 National:	International: 07 National: 02	satisfactory
52.	Faculty won awards (*including best research paper award*)	NO					NIL
53.	Faculty Research proposals (Total cost in lakhs)						
	(i) Prepared	YES		A A_C18	Number: 03 Amount: 5312800/-		Faculty advised to apply other funding agencies
	(ii) Submitted to Govt. agencies	YES		A A_C18	Number: 03 Amount: 5312800/-		
	(iii) Sanctioned by Govt. agencies	NO			Number: Amount:		
	(iv) Submitted to Non-Govt. agencies	NO			Number: Amount:		

	(v) Sanctioned by Non-Govt. agencies	NO			Number: Amount:	
	(vi) Submitted under FRSS of Institute	NO			Number: Amount:	
	(vii) Sanctioned under FRSS of Institute	NO			Number: Amount:	
	(viii) Total Sanctioned	NIL			Number: Amount:	
	Other proposals by faculty (Total cost in lakhs) (FDPs/Seminar Grants, etc.)					
54.	(i) Prepared	NO			Number: Amount:	Faculty advised to apply other funding agencies
	(ii) Submitted	NO			Number: Amount:	
	(iii) Total Sanctioned				Number: Amount:	
55.	Consultancy projects undertaken	NO			Number: Amount:	Ok
56.	*Any other Faculty achievements (not covered above)*	NO				NIL
57.	Workshops/Seminars conducted for students	SIP/UHV-II	25.11.2020 T0 01.12.2020	AA_C20	Number:951 SIP/UHV-II conducted for newly admitted B.Tech First semester students from 25.11.2020 to 01.12.2020	satisfactory
58.	Interactive sessions arranged with alumni	YES		AA_C20	Interactive sessions arranged with alumni in SIP/UHV-II which was conducted for newly admitted B.Tech First semester students from 25.11.2020 to 01.12.2020	satisfactory
59.	Students participated in academic activities at other institutes	------			Number: NA	Ok
60.	Students won Prizes in academic activities at other institutes	---			Number: NA Amount (*if any*):	Ok
61.	Students participated in cultural activities at other institutes	------			Number: NA	Ok

62.	Students won Prizes in cultural activities at other institutes	----			Number: NA Amount (*if any*):	Ok
63.	Students participated in sports activities at other institutes	-----------			Number: NA	Ok
64.	Students won Prizes in sports activities at other institutes	--------------			Number: NA Amount (*if any*):	Ok
65.	Students undergone internships	------------------			Number: NA	Ok
66.	Students won "Best student project award"	---------			Number: NA Amount (*if any*):	Ok
67.	Any Innovations by students	-----				Ok
68.	Students took online courses (NPTEL/SWAYAM MOOCs etc.)	---		AA_C23	Students took online courses as a part of MINOR programme	Ok
69.	Start-ups are incubated on campus				NA	Ok
70.	Students Placements					
	No. of students eligible for placements				NA	
	No. of students registered for T&P activity				NA	
	No. of students placed				NA	Ok
	No. of students joined for Higher Education				M.S. Abroad: M.Tech.: MBA:	
	No. of students secured Jobs in PSUs				NA	
	No. of student Entrepreneurs				NA	
71.	*Other student achievements(not covered above)*					NIL
72.	Dept. Newsletterswererereleased					
	(i) Odd semester	NO			NA	
	(ii) Even semester	NO			NA	Ok
73.	Yearly Technical Magazinewasreleased	NO				

74.	Self Appraisal reports (PBAS) were submitted by all faculty	YES	July2020	AA_C27	Self Appraisal reports (PBAS) were submitted by all faculty for the year 2020-2021	Satisfactory
75.	Self Appraisal reports are submitted by all Non-teaching staff	YES		AA_C27	Self Appraisal reports are submitted by all Non-teaching staff for the year 2020-2021	Satisfactory
76.	Department Academic Advisory Committee (DAAC) meetings were held regularly	YES		AA_C28	Department Academic Advisory Committee (DAAC) meetings were held regularly	Satisfactory
77.	Alumni visited the department (*not covered under Alumni interactive sessions above*)	NA				Ok
78.	Alumni funding to the department (*if any*)	NA				Ok
79.	MoUs signed /Collaborations established	NO				Ok
80.	*Any other Department Achievements (not covered above)*	NO				NIL

D. Best Practices, SWOC Analysis, Shot Term and Long Term Goals:

Best Practices of the Department
1. Monitoring the students through class teachers.
2. Conducting SIP/UHV-II more effectively with internal resources
3. Integrating Innovation Incubation Research and Entrepreneurship (I^2RE) into course teaching.
4. Integrating ATLP into course teaching

SWOC Analysis of the Department
Strengths:
1. 95% of existing faculty are possessing doctorate degree
2. Average teaching experience of the faculty is more than 12 years
3. Faculty are updating their knowledge by attending continuous education programmes like FDPs, Workshops, Refresher Courses, Certification courses of NPTEL, MOOCS and etc.,.
4. More than 400 papers were published by the faculty in national/international journals and conferences.
Weakness:
1. Less number of submissions for research projects.
2. Research guidance.
3. Book Publications.
Opportunities:
1. Scope for improvement for more number of research quality publications with qualified faculty
2. Scope for conducting FDPs and Workshops.
3. Encouraging faculty to acquire more online certification courses like MOOCS, SWAYAM, NPTEL courses etc.
Challenges:
1. Majority of admitted students are with rural background
2. Admitted students are not subjected to concept base education at +2 level (Intermediate).

Short Term Goals of the Department	
Short term goal 1: To minimize the detention of students because of shortage of attendance	**Action Plan:** Motivating the students to maintain 90% attendance.
Short term goal 2: To minimise the detention due to backlogs in first year subjects.	**Action Plan:** 1. By conducting more effectively the special remedial classes beyond college hours. 2. Providing additional Assignments.
Long Term Goal of the Department	

Long term goal:

1. To attend the state where zero detention will be there due to
   a. shortage of attendance
   b. backlogs
2. To established research laboratories in the department by getting funds from the funding agencies
3. Quality Research

Action Plan:

1. Motivating the students through teachers, counsellors and informing parents in a view to achieve the goals specified above.
2. Conducting Remedial classes and Makeup classes.
3. Encouraging the faculty to apply for more research projects.
4. All faculty should publish SCI/Scopus/WoS Journals
5. Organizing workshops to excel students faculty to on descriptive technologies of Industry 4.o

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal, T.S.)
DEPARTMENT OF PHYSICAL SCIENCES AND MATHEMATICS & HUMANITIES

Academic Audit for A.Y. 2020-21

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

HOD Typical comments/remarks are missing in IQAC Academic Audit form
Indicate meetings/ATR with objectives and issues resolved
Purpose and Procedure to decide makeup, remedial, revision and its impact to be mentioned in each session
Include counselor interactions, duration, periodicity, student benefits, impact in student counseling register
Maintain faculty cadre ratio as per AICTE norms
Redraft SWOC, Best Practices, Short and long term goals to focus on Academic and Industrial Research
Encourage the students to take more online courses
Suggested to submit proposals to other funding agencies to enhance the research activity
Increase the number of alumni interactions/industrial resource persons
Suggested to organize workshops in association with industry/alumni as resource person
Suggested to start consultancy with minimum revenue generation

Date of Academic audit: 03.09.2021

Name & Signature of HoD: 1. Dr. T. Madhukar Reddy, HoD PSS

2. Dr. K. Shivashankar, HoD M&H

Department Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15

(*An Autonomous Institute under Kakatiya University, Warangal, T.S.*)

DEPARTMENT OF MANAGEMENT

DEPARTMENT ACADEMIC AUDIT

Academic Year: _2020- 2021
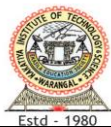
Date: 3September, 2021

Please fill the following information:

Name of the Department	MANAGEMENT
Head of the Department	Dr. V. Nivedita Reddy
Department Advisory Committee (DAC)	Dr. V. Nivedita Reddy Dr. G. Rathnakar Dr. P. Surender Dr. Sunitha Chakravarthy

A. Details of Programmes offered by the Department:

Programme Level	Name of the Programme	Year	Sanctioned Intake + Lateral entry	No. of students admitted	No. of students not registered	Whether NBA accredited?	Validation period of NBA accreditation along with File No. & date
PG	MBA	2019	60	44	16	No	-

B. Faculty Information:Furnished in AA_F1

|		
1.	Total Faculty in the Department	9
2.	No. of Faculty identified for B.Tech.I year *(considering fractional load)*	-
3.	No. of Faculty identified for UG (B.Tech. II, III & IV year) *(considering fractional load)*	5
4.	No. of Faculty identified for PG *(considering fractional load)*	8
5.	Faculty : Student ratio (FSR) for UG	-
6.	Faculty : Student ratio (FSR) for PG	1: 15
7.	Faculty Cadre Ratio:	
	(i) No. of Professors	-
	(ii) No. of Assoc. Prof.	3
	(iii) No. of Asst. Prof.	6
	(iv) Faculty Cadre Ratio	0:3:6
8.	Faculty Qualification:	
	(i) No. of Faculty with Ph.D.	7
	(ii) No. of Faculty with MBA	9
	(iii) No. of Faculty with B.Tech/MCA/MSc	-
9.	No. of faculty pursuing Ph.D.	2
10.	No. of faculty with degrees from IITs/NITs	-
11.	No. of faculty with degrees from Universities abroad	-
12.	No. of faculty identified as Research Supervisors by various Universities	-
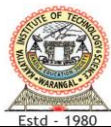
C. Assessment Data

- *Please mention YES or NO in second column*
- *Mention Date of item (if any) in third column*
- *Required details can be filled in Remarks column*
- *Mention –N.A- if any data is irrelevant in the Remarks column*

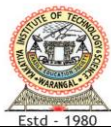| S.No.	Item	YES / NO	Date	Remarks by Department	Remarks by Audit Committee
1.	New programs added	No	--	Existing course has difficulty in filling seats	Okay-Think in diversified direction
2.	No. of UG Laboratories	N.A	--	Department is not offering UG programme	Satisfactory
3.	No. of PG Laboratories	N.A	--	No separate lab needed as per curriculum	Satisfactory
4.	New laboratories added	N.A		Not needed	Satisfactory
5.	Total cost of equipment in all laboratories	N.A	--	No laboratory	Satisfactory
6.	Cost of newly added equipment	N.A	--	No laboratory	Satisfactory
7.	Curriculum revision done	Yes	13/12/2020 – I &II SEM 31/3/2021 III & IV SEM	The BOS meetings were conducted separately for I& II semester and III & IV semester respectively	Provide objectives of new syllabus
8.	Survey taken from stakeholders on syllabus revision or course content	Yes	2/02/2021 5/02/2021	Furnished in AA_C3	Provide brief details of survey
9.	Action taken report prepared on stakeholders feedback	Yes	30/3/2021	Furnished in AA_C3	Provide brief details on Action taken survey
10.	Survey reports available on website	No	-	Not posted	Post the information in CMS
11.	Board of Studies meeting conducted	Yes	30/5/ 2021	III & IV semester BOS	Provide brief details of BOS meeting minutes
12.	Syllabus is approved by Academic Council	Yes	June 2021	Conducted virtually	satisfactory
13.	UG Workload allotted to faculty	Yes		7 Sections(CES I,II,III, ME I,II,III ,IT)	Workload allotment to faculty cadre basis as per AICTE/UGC norms

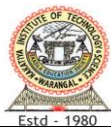|					
14.	PG Workload allotted to faculty	Yes		**Furnished in AA_C4** Workload for Associate Professors- 12 Workload for Assistant Professors **-** 16	Workload allotment to faculty cadre basis as per AICTE/UGC norms
15.	Faulty Recruited	Yes		No. of faculty recruited: 1	Satisfactory
16.	Calendar for Dept. Association activities prepared	No		Due to online class work	Ok
17.	Regular ounseling of students is done	Yes	8/02/2021 (IV SEM)	1st Friday of every month **Furnished in AA_C6**	Provide brief counselor interactions, duration, periodicity and benefits
18.	Teaching schedules are uploaded into CMS before commencement of class work	Yes	3/02/2021(ISEM) 20/2/2021(ISEM) 4/08/2021 (II SEM) 11/8/2021 (IV SEM)	The teaching schedules are posted one week before the commencement of Class Work **Furnished in AA_C7**	Satisfactory
19.	Assignments are posted timely into CMS as per teaching schedule	Yes	MBA IV Sem -2/12/2020 MBA I Sem- 12/1/2021 MBA II Sem- 17/5/2021	Assignment Schedules are prepared and communicated to students well before the commencement of class work **Furnished in AA_C7**	Satisfactory
20.	Evaluation of assignments& posting of marks into CMS is done as per Assignment schedule	Yes		Date of posting marks is also mentioned in the assignment schedule **Furnished in AA_C7**	Provide summary of assignment evaluations
21.	Regular Course Committee meetings (CCM) are conducted by Course coordinator	N.A	-	No course committee meetings are conducted for MBA as there is single faculty for each course.	Satisfactory
22.	Action taken report is prepared on CCMs conducted	N.A	-	No course committee meetings are conducted	Satisfactory
23.	Online feedback taken from students before MSE-I	Yes	MBA IV SEM 21/3/2021 MBA I SEM 7/2/2021 MBA II SEM 26/06/2021	**Furnished in AA_C9**	Provide Highlights of MSE-I Feedback
24.	Class Representative Committee meetings (CRC-I) are conducted before MSE-I	Yes	MBA IV SEM 21/3/2021 MBA I SEM 7/2/2021 MBA II SEM 26/06/2021	**Furnished in AA_C10**	Provide Summary of CRC minutes
25.	Action taken report is prepared on CRC-I meetings conducted	Yes	MBA IV SEM 21/3/2021 MBA I SEM 7/2/2021 MBA II SEM 26/06/2021	**Furnished in AA_C9**	Provide Brief details of CRC ATR

26.	Course Review meeting (CRM-I) conducted after MSE-I by HoD for courses	Yes	MBA III SEM 1/10/2020 MBA IVSEM 12/7/2021 MBA I SEM 27/7/2021 MBA II SEM 9/08/2021	**Furnished in AA_C10**	Provide brief details
27.	Action taken report prepared on CRM-I meetings conducted	Yes	MBA III SEM 1/10/2020 MBA IVSEM 12/7/2021 MBA I SEM 27/7/2021 MBA II SEM 9/08/2021	**Furnished in AA_C10**	Provide Issues resolved
28.	Student Progress report sent to parents after MSE-I	No	-	Not followed for PG	Ok
29.	Remedial classes conducted as per timetable	No	-	Not followed for PG	Ok
30.	Online feedback taken from students before MSE-II	Yes	MBA III SEM 27/12/2020 MBA IVSEM 24/7/2021 MBA I SEM 27/7/2021	**Furnished in AA_C9**	Highlights of online feedback
31.	Class Representative Committee meetings (CRC-II)are conducted before MSE-II	Yes	MBA IV SEM 15/05/2021 MBA I SEM 23/4/2021	**Furnished in AA_C9**	Highlights of CRC meeting
32.	Action taken report is prepared on CRC-II meetings conducted	Yes	MBA IV SEM 15/05/2021 MBA I SEM 23/4/2021	**Furnished in AA_C9**	CRC ATR details
33.	Course Review meeting (CRM-II) conducted after MSE-II by HoD for courses of B.Tech II, III & IV year	-	MBA III SEM 27/12/2020 MBA IVSEM 24/7/2021 MBA I SEM 27/7/2021	**Furnished in AA_C10**	CRM meeting details
34.	Action taken report is prepared on CRM-II meetings conducted	-	MBA III SEM 27/12/2020 MBA IVSEM 24/7/2021 MBA I SEM 27/7/2021	**Furnished in AA_C10**	CRM ATR resolved issues
35.	Dossier is prepared for students having shortage of attendance	No	-	**Furnished in AA_C11**	Ok
36.	Any student detained due to shortage of attendance	No	-	No student faced shortage of attendance	Ok
37.	Makeup classes are arranged for students writing supplementary exams	No	--	No student wrote supplementary exams	Ok
38.	Faculty is using ICT based teaching	Yes	-	Both our class rooms are e-classrooms, hence most of the faculty are using ICT based teaching regularly in the classes.	Provide no of ICT classes conducted and its impact

39.	Additional teaching material (Handouts) are given to students	Yes	-	Shared in the College Course Web by the faculty handling the course, and are kept in the course files.	Provide no of handouts prepared
40.	NPTEL lectures screened	No		As there were on-line classes	No of lectures screened
41.	Advancements in relevant areas (*published in Conference proceedings / journal papers*) are discussed in class	Yes	-	**Furnished in AA_C41**	Provide brief details
42.	Result analysis after ESE evaluation:				
	(i) CO, PO Direct attainments are calculated	No	-	Results declared recently they are yet to be calculated	Satisfactory
	(ii) Gaps are identified & Action taken report is prepared and minutes are recorded	No	-	Results declared recently they are yet to be calculated	Satisfactory
43.	Survey is conducted for Indirect Assessment of PO & PSO attainment		--		
	(i) Exit survey	Yes		**Furnished in AA_C14**	Satisfactory
	(ii) Parent survey	Yes		**Furnished in AA_C14**	Satisfactory
	(iii) Alumni survey	Yes		**Furnished in AA_C14**	Satisfactory
	(iv) Recruiter survey	No	-	Not taken recruiter survey	Satisfactory
44.	Indirect attainment of PO & PSO is calculated	No	No	Results declared recently they are yet to be calculated	Satisfactory
45.	Overall attainment of PO & PSO is calculated	No	No	Results declared recently they are yet to be calculated	Satisfactory
46.	Workshops/FDPs are conducted for faculty	No	-	Not conducted	Satisfactory
47.	Faculty participated in Workshops/FDPs etc.,	Yes	28	**Furnished in AA_C15**	Satisfactory
48.	Faculty took online courses (NPTEL/SWAYAM MOOCs etc.)	Yes	-	**Furnished in AA_C15**	Satisfactory

49.	Faculty published in Refereed journals	Yes	-	International: 3 National: 1 **Furnished in AA_C16**	Satisfactory
50.	Faculty published in Conference proceedings	Yes	-	International:4 National: 1 **Furnished in AA_C16**	Satisfactory
51.	Faculty attended conferences for paper presentation	Yes		International: 3 National:5 **Furnished in AA_C16**	Satisfactory
52.	Faculty won awards (*including best research paper award*)	No	-	No faculty won any award this year	Ok
53.	Faculty Research proposals (Total cost in lakhs)		11,40,000/-		
	(i) Prepared	-	2	Number: 3 Amount: 11,40,000/-	Faculty advised to apply other funding agencies
	(ii) Submitted to Govt. agencies		Nil	Number: Amount:	
	(iii) Sanctioned by Govt. agencies		Nil	Number: Amount:	
	(iv) Submitted to Non-Govt. agencies		Nil	Number: Amount:	
	(v) Sanctioned by Non-Govt. agencies		Nil	Number: Amount:	
	(vi) Total Sanctioned		Nil	Number: Amount:	
54.	Other proposals by faculty (Total cost in lakhs) (FDPs/Seminar Grants, etc.)				
	(i) Prepared	No	-	Not submitted by any faculty	Faculty advised to apply other funding agencies
	(ii) Submitted				
	(iii) Total Sanctioned				
55.	Consultancy projects undertaken			No consultancy work undertaken	Suggested to start consultancy with minimum revenue generation
56.	*Any other Faculty achievements (not covered above)*		----	----------	NIL
57.	Workshops/Seminars are conducted for students	Yes	5-7th January 2020 3 April 2020 4 September 2020 28 March 2021	Number:4 **Furnished in AA_C20**	Satisfactory
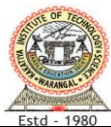
58.	Interactive sessions are arranged with alumni	Yes	20 March 2021 21 May 2021	Number:2	Satisfactory
59.	Students participated in academic activities at other institutes	Yes	Different dates at different Colleges	Number:5 **Furnished in AA_C21**	Satisfactory
60.	Students won Prizes in academic activities at other institutes	No	-	No student won prizes	Satisfactory
61.	Students participated in cultural activities at other institutes	No	-	No student won prizes	Satisfactory
62.	Students won Prizes in cultural activities at other institutes	No	-	Due to pandemic students did not participate	Satisfactory
63.	Students participated in sports activities at other institutes	Yes		Number:2	Satisfactory
64.	Students won Prizes in sports activities at other institutes	No		No student won prizes	Satisfactory
65.	Students undergone internships	Yes	June 5th - July 16th 2020	Number: 48 Online Certificate courses and online internships **Furnished in AA_C23**	Satisfactory
66.	Students won "Best student project award"	No	-	No student won an award	Satisfactory
67.	Any Innovations by students	No	-	No innovations by students	Satisfactory
68.	Students took online courses (NPTEL/SWAYAM MOOCs etc.)	No	-	As all courses were on-line students did not show interest	Ok
69.	Start-ups are incubated on campus	No	-	No start ups	Ok
70.	Students Placements				
	No. of students eligible for placements	48	-	**Furnished in AA_C25**	Satisfactory
	No. of students registered for T&P activity	-		**Furnished in AA_C25**	Satisfactory
	No. of students placed	8		**Furnished in AA_C25**	Satisfactory
	No. of students joined for Higher	Yes	-	1 student joined MS in the US	Satisfactory

	Education				
	No. of students secured Jobs in PSUs	No		No student secured job in PSU's	Ok
	No. of student Entrepreneurs	No		No Entrepreneurs this year	Ok
71.	*Other student achievements(not covered above)*	No		None	NIL
72.	Newsletters released				
	(i) Odd semester	No		Not released due to Pandemic	Satisfactory
	(ii) Even semester	Yes	-		Satisfactory
73.	Yearly Magazine released	No		Not releasing yearly magazine	Satisfactory
74.	Self Appraisal reports (PBAS) are submitted by faculty	No		Not applicable as we are getting **V PRC**	Satisfactory
75.	Self Appraisal reports are submitted by Non-teaching staff	No		-	Satisfactory
76.	Department Advisory Committee (DAC) meetings are held regularly	Yes	11/08/2020 2/09/2020 19/2/2021 23/03/2021 13/07/2021 23/08/2021	**Furnished in AA_C28**	Satisfactory
77.	Alumni visited the department (*not covered under Alumni interactive sessions above*)	No			Increase the alumni interactions
78.	Alumni funded the department (*if any*)	No		No alumni funding	Ok
79.	MoUs signed /Collaborations established	No		No MoU signed	Put efforts to increase MOUs
80.	*Any other Department Achievements (not covered above)*	No	-	None not mentioned earlier	NIL

Best Practices of the Department (Furnished in AA_DD)
BEST PRACTICES: • Emphasis on holistic development of students • Personalized Instruction. • Encouraging the students to publish minor and major projects in reputed journals. • Inclusion of soft skills in the syllabus to make students proficient in facing interviews. • Regular interaction with industry experts. • CSR activities conducted regularly. • Alumni interactions for mentoring. • An environment that facilitates positive student- faculty interaction – specialized advice and mentoring

SWOC Analysis of the Department
Strengths: • Reputed Institution in the State and Country level. • Faculty members in the Department either hold Doctorates degree or are pursuing PhD. • Quality of Teaching Learning Process with the inclusion of I²RE in the syllabus. • Academically well experienced, trained and dedicated faculty. • MBA program curriculum is regularly updated taking inputs from stakeholders.
Weakness: • Telugu medium students and rural students are unable to cope with the dynamic nature of management studies. • Lack of flexibility in admitting International students to MBA program. • Impediments in providing industrial internships due to weak industrial presence.
Opportunities: • Scope to introduce the integrated programmes. • Increasing trend of engineering students choosing MBA for higher education. • Partnership with NITW to conduct programmes. • Scope for Research activity and Research centre recognition. • Student admission criteria through CAT/MAT etc., to a certain percentage.

Challenges:

- To place all the eligible students
- Heterogeneity in the class becomes a challenge as students are from rural background.
- Attract the top ranking students in future because of increasing competition.
- Enhancing number of students opting for entrepreneurship.

Short Term Goals of the Department	
Short term goal 1: To implement the curriculum designed meticulously.	**Action Plan:** To design a system to keep track of all activities on regular basis.
Short term goal 2: Invigorating professional skills in the students.	**Action Plan:** To encourage students to participate enthusiastically, in management activities to build professional skills.
Short term goal 3: Contacting the alumni to mentor and advise their juniors	**Action Plan:** Invite alumni to interact with students and give them current inputs and help in internships

Long Term Goal of the Department

Long term goal:
   Achieve Organizational Excellence.
 	
Action Plan:
   To achieve excellence through implementing the curriculum change and develop professional skills.

Overall Suggestions / Remarks by Department Academic Audit Committee Members:

HOD Typical comments/remarks are missing in IQAC Academic Audit form
Indicate meetings/ATR with objectives and issues resolved
Purpose and Procedure to decide makeup, remedial, revision and its impact to be mentioned in each session
Include counselor interactions, duration, periodicity, student benefits, impact in student counseling register
Maintain faculty cadre ratio as per AICTE norms
Redraft SWOC, Best Practices, Short and long term goals to focus on Academic and Industrial Research
Encourage the students to take more online courses
Suggested to submit proposals to other funding agencies to enhance the research activity
Increase the number of alumni interactions/industrial resource persons
Suggested to organize workshops in association with industry/alumni as resource person
Suggested to start consultancy with minimum revenue generation

Date of Academic audit: 3rd, August 2021

Name & Signature of HoD: Dr. V. Nivedita Reddy

Department Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

ACADEMIC AUDIT

EXAMINATION BRANCH
Academic Year: 2020-2021

Controller of Examinations	**Dr. K. Raja Narender Reddy**, Professor, Dept. of ME
Addl. Controller of Examinations (Confidential)	**Mr. B. Kiran Kumar**, Assoc. Prof., Dept. of IT
Addl. Controller of Examinations	**Dr. G. Rajender Naik**, Assoc. Professor, Dept. of EEE
Faculty Incharge of Examinations	**Dr. K. Rajendra Prasad**, Asst. Prof., Dept. of PSS

A. **Examination details:**

i. **End Semester Exam (ESE) – Regular – ODD Semester**

Examination	Total No. of Students Registered	Total No. of Courses Regd. by Students	No. of Students Absent	No. of Malpractice Cases	Result (%)
B. Tech. - I Semester (2020 Admitted Batch)	982	5892	04	Nil	95.01
B. Tech. - III Semester (2019 Admitted Batch)	1075	6438	01	Nil	98.05
B. Tech. - V Semester (2018 Admitted Batch)	997	5982	07	Nil	98.50
B. Tech. - VII Semester (2017 Admitted Batch)	1042	6252	07	Nil	98.85
M. Tech. - I Semester (2020 Admitted Batch)	114	684	03	Nil	92.37
MBA - I Semester (2020 Admitted Batch)	44	308	06	Nil	93.18
MBA - III Semester (2019 Admitted Batch)	50	400	Nil	Nil	96.00

ii. End Semester Exam (ESE) – Supplementary – ODD Semester

Examination	Total No. of Students Registered	Total No. of Courses Regd. by Students	No. of Students Absent	No. of Malpractice Cases
B. Tech. - II Semester	12	05	01	Nil
B. Tech. - IV Semester	21	18	Nil	Nil
B. Tech. - VI Semester	41	28	08	Nil

iii. End Semester Exam (ESE) – Regular – EVEN Semester

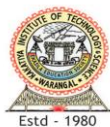| Examination	Total No. of Students Registered	Total No. of Courses Regd. by Students	No. of Students Absent	No. of Malpractice Cases	Result (%)
B. Tech. - II Semester (2020 Admitted Batch)	980	5880	Nil	Nil	97.45
B. Tech. - IV Semester (2019 Admitted Batch)	1070	6548	04	Nil	98.23
B. Tech. - VI Semester (2018 Admitted Batch)	998	6523	02	Nil	97.9
B. Tech. - VIII Semester (2017 Admitted Batch)	1042	4161	Nil	Nil	98.94
M. Tech. - II Semester (2020 Admitted Batch)	ESE scheduled from 01.09.2021 to 11.09.2021				
MBA - II Semester (2020 Admitted Batch)	ESE scheduled from 01.09.2021 to 13.09.2021				
MBA - IV Semester (2019 Admitted Batch)	48	384	NIL	NIL	97.92

iv. End Semester Exam (ESE) – Supplementary – EVEN Semester

Examination	Total No. of Students Registered	Total No. of Courses Regd. by Students	No. of Students Absent	No. of Malpractice Cases
B. Tech. - I Semester	03	02	NIL	NIL
B. Tech. - III Semester	25	17	NIL	NIL
B. Tech. - V Semester	22	17	NIL	NIL
B. Tech. - VII Semester	12	11	NIL	NIL

B. Please write Yes or No and mention date of item (if any) and remarks.

S.No.	Item	Yes / No	Date	Remarks by Examination Branch	Remarks by Audit Committee
1.	Regular & Supplementary examination schedules implemented as per Almanac	Yes	--	Deviation details if any – NIL Refer file: E1-21	Very Good
2.	Invigilation allotted to faculty well in advance	Yes	--	Refer Invigilation Duties File- E1-28	Good
3.	Exam branch brochure released annually	Yes	--	EB Brochure: From 2017-18 onwards Refer EB Brochure: E1-35/B1, E1-35/B2, E1-35/B3	Highlights
4.	Release of exam schedules for UG & PG	Yes	--	Refer ESE & MSE Time Tables File- E1-11-1	Good
5.	MSE question papers printed in time	Yes	--	How many days in advance? One Week before the schedule- E1-12	Good
6.	ESE question papers printed in time	Yes	--	How many days in advance? One Day before the schedule- E1-11/1	Good
7.	Moderation of ESE question papers done in time	Yes	--	How many days in advance? One Week before the schedule-E2-18	Good
8.	ESE results published in time	Yes	--	No. of days after the exam: ODD semester: 57 Days	Good

				EVEN Semester: 45 Days Refer Results File: E2–23	
9.	MSE and ESE question papers are stored	Yes		MSE & ESE soft copy available in portal, hard copy available in the EB - E2-4	Good
10.	Meetings conducted with department coordinators	Yes		Refer Minutes of the Meeting File- E1-34	Provide issues discussed
11.	Result analysis done	Yes		Refer Results File - E1-18/1 to E1-18/3	Provide brief details on Result analysis/HOD remarks
12.	Exam branch annual report prepared annually	Yes		Refer Annual Reports- E1: 35/AR1 to 35/AR6	Provide Annual report highlights

C. Best Practices, SWOC Analysis, Shot Term and Long Term Goals:

<table>
<tr><td align="center">SWOC analysis of the Examination Branch</td></tr>
<tr><td>

Strengths:
- Committed staff and faculty
- Exclusive results processing software
- Exclusive portal https://www.kitswexams.com/BET%20E-PORTAL/
- Payment Gateway Integration with Billdesk & Payment through Paytm QR code, Payment through APP, Payment through WEB @ paytm.com paytm for online fee payment
- In-house question paper setting, valuation
- Students can use Debit card/Credit card/Net banking or Paytm login for payment
- Digital duplicator (105 ppm)
- Integration of QR code in grade sheets, Consolidated Grade Sheet, provisional certificate
- Serving society by conducting various competitive examinations
- Portal, SMS facility for quick, updated information flow to students and parents

</td></tr>
</table>

Weakness:

- ➢ Insufficient number of rooms for conducting exams
- ➢ Insufficient number of Drawing Halls for conducting Drawing exams
- ➢ Distribution room is congested
- ➢ Insufficient space for storing of ESE and MSE answer scripts

Opportunities:
- ➢ Implementation of performance indicators in OBE module

Challenges:
- ➢ Non availability of centralized digital data with respect to faculty list
- ➢ Non availability of centralized digital data with respect to updated individual time tables
- ➢ Non availability of centralized digital data with respect to updated students list and electives opted by the students.
- ➢ Not receiving ESE Question papers and Key in time

Best Practices

- ➢ On screen valuation
- ➢ Course outcome attainment level (COAL), Cognitive Domain Attainment Level (CDAL) Reports
- ➢ Online Examination Fee Payment
- ➢ Facility to print Online Hall Ticket
- ➢ Facility to view the results, when published
- ➢ Facility to view overall results of each semester
- ➢ Facility to view and download Previous Question Papers of End Semester Examinations through online
- ➢ Facility to register for revaluation.
- ➢ Facility to pay Re-valuation examination fee online.
- ➢ Facility to view the revaluation results, when published.
- ➢ Facility to pay online for CMM, PC & OD
- ➢ **E**xamination Branch communicating, through SMS, about the status of candidate/parent application like issue of PC, CGS, Transcripts, CGPA to Percentage conversion certificate, Name correction and information regarding fee notifications and examination schedules.
- ➢ Examination portal to access all examination information.
- ➢ Instant Online fee payment receipt is being provided after successful fee payment for regular/supplementary examination or re-valuation.

- ➢ During parents visit / interaction, quick updated consolidated grade sheets information, up to the current semester is being provided.
- ➢ Examination Branch communicating information to parents regarding absent of their ward to the examination, if any, through SMS on the day of every examination. .
- ➢ MSE question paper templates are provided
- ➢ A separate mid semester question paper printing slot is given to the faculty members to optimize their time and also to acquire the question papers well in advance and to store under the control of Addl. Controller of Examinations / Prof. I/c of Examinations.
- ➢ 105 ppm digital duplicator is purchased to cater the needs and to save the faculty time.
- ➢ Report pane is provided to save faculty time
- ➢ Continuous Internal evaluation report pane:
- ➢ Student performance report is provided which displays semester-wise academic results of a student including SGPA and CGPA, upto the current semester
- ➢ Result Analysis is being provided in various formats
- ➢ Faculty co-ordinators for examinations to bridge the gap between Examination Branch and Department.
- ➢ Student Database is being maintained
- ➢ ESE planner is being prepared
- ➢ Student specific pre-printed bar coded OMR answer booklets
- ➢ Jumbling system in room-wise daily seating arrangement
- ➢ Jumbling system in discipline-wise daily seating arrangement
- ➢ Specific procedure is religiously followed & two stage manual scrutiny of documents is carried out to avoid errors in valuation.
- ➢ Tamper-proof Consolidated Grade Sheets with encrypted QR code is being issued.
- ➢ A separate server to store and retrieve examination-related data pertaining to any student.
- ➢ The results of UG & PG are declared within the time frame after the last examination. The results are published in the college website.
- ➢ Special attention to Physically challenged/differently abled/students with health reasons:
    - ▪ Permitting scribes during the examinations.
    - ▪ Providing exclusive seating to suit their requirements and also availing health supervisor services

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
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Estd - 1980

Short Term Goals	
Short term goal 1: To develop Table of Specifications (ToS) module for faculty	**Action Plan:** Module is to be designed
Short term goal 2: To facilitate digital issuance, storage, access and verification of academic certificates through National Academic Depository (NAD)	**Action Plan:** Academic certificates digital data uploading in National Academic Depository (NAD) database in progress
Short term goal 3: Implementation of performance indicators in Question papers	**Action Plan:** Awareness about Performance indicators is to be created

Long Term Goals
➢ Zero % Malpractice by continuously educating all the students   ➢ In-house software development for Examination Branch activities   ➢ To develop fully automated software without depending on CMS

Overall Suggestions / Remarks by Examination Branch –Academic Audit Committee Members:

Examination branch is well equipped with state of the art facilities – May be offered consultancy services to other organisations
Provide brief summary on result analysis
Academic credit bank need to establish as per AICTE norms
Security protection of various academic documents may be improved as digital operations are increasing
Latest methods may be implemented to avoid several types of malpractices

Date of Academic audit: 03.09.2021

Name & Signature of Controller of Examination: Dr. K. Raja Narender Reddy, Professor, Dept. of ME

Examination Branch -Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITSW.	Chairperson	
2	**Prof. T. SREENIVASULU** Principal, KUCETW Dean, FoE&T, KU, Warangal.	External Member	
3	**Prof. A. KUMAR** Professor & Head Dept. of Mechanical Engineering, NIT Warangal	External Member	
4	**Prof. V. RAJAGOPAL** Dean, Academic Affairs	Member	
5	**Prof. P. NIRANJAN** Dean, R&D, KITSW.	Member	

ACADEMIC AUDIT
CENTRAL LIBRARY

Please fill the following information (*pertaining to the previous academic year*):

Academic Year:	2020-21

Chairman, Library Advisory Committee:	Prof. M. Sreelatha
Librarian:	Dr. K. Indrasena Reddy

Library Advisory Committee:

Sl.No	Name of the Member	Design.	Dept.	Position.
1	Prof. M. Sreelatha	Professor	E&IE	Chairman
2	Sri O. Anjaneyulu	Assoc. Prof.	E&IE	Member
3	Dr. G. Rajendra Naik	Assoc. Prof.	EEE	Member
4	Dr.H. Ramesh Babu	Assoc. Prof.	PSS	Member
5	Dr. D. Rajaiah,	Asst.Prof.	MHS	Member
6	Smt. K.S Barghavi	Asst. Prof.	Civil	Member
7	Sri. G. Vinod Kumar,	Asst. Prof.	Mech	Member
8	Sri. B. Hanumanthu,	Asst. Prof.	CSE	Member
9	Smt. S.B. Swathi	Asst. Prof.	IT	Member
10	Sri. D. Santhosh Kumar,	Asst. Prof.	ECE	Member
11	Smt S. Sarika,	Asst. Prof.	MBA	Member
12	**Dr. K Indrasena Reddy**	**I/c Librarian**	**Library**	**Convener**

Library Staff:		
	1. Dr. K. Indrasena Reddy	Librarian I/c.
	2. Sri. M. Niranjan	Asst. Librarian
	3. Dr. M. Arun kumar	Library Asst.
	4. Smt. P. Sumalatha	Library Asst.
	5. Sri T. Raju	Junior Asst.
	6. Sri K. Sudhakar	Programmer
	7. Sri G. Sudhakar	Attender
	8. Sri S. Ramesh	Attender
	9. Sri A.N.B. Chary	Attender
	10. Sri B. Ashok	Attender
	11. Sri. M.Venkateshwarlu	Attender

A. Programme level facilities:

Programme Level	Name of the Item	AICTE Norm	Existing	Remarks by Chairman, Library Advisory Committee	Remarks by the Committee
UG (B.Tech.)	No. of Titles	Show calculations:10600 (As per AICTE Norms)	13707	*Including SC/ST BOOKS*	Provide calculations Indicate %age of SC/ST books Provide chairman typical remarks
	New Titles added	Show calculations:550 (11 Courses @50) =550	339	*Including SC/ST BOOKS*	Deficiency of 110 titles Indicate no of titles belongs to SC/ST
	No. of Volumes	Show calculations:53000 (As per AICTE Norms)	71785	*Including SC/ST BOOKS*	Provide calculations Indicate %age of SC/ST volumes? Provide chairman typical remarks
	New Volumes added	Show calculations:2750 (11 Courses @250)	2615	*Including SC/ST BOOKS*	Indicate no of new volumes belongs to SC/ST
	Reading Room Capacity	Show calculations: 150 (As per AICTE Norms Maximum150)	150	*Requirement satisfied*	Provide brief details
	No. of PCs for Digital library	Show calculations: 10 (As per AICTE Norms Minimum10)	25	*Requirement satisfied*	Okay
	National Journals (*Hard copy*)	Show calculations: 108 each section 6(18@6=108)	108	*Requirement satisfied*	Provide calculations
	International Journals (*Hard copy*)	Show calculations: Desirable	5 PUBLISHERS ASCE ASME IEEE ELSEVIER IEEE	*Additional facilities*	Indicate AICTE norms for journals of print and online and check with existing status accordingly
	e-Journals (*National*)	Show calculations: (As per AICTE Recommended)		*Additional facilities*	
	e-Journals (*International*)	Show calculations: (As per AICTE Recommended)		*Additional facilities*	

Programme Level	Name of the Item	AICTE Norm	Existing	Remarks by Chairman, Library Advisory Committee	Remarks by the Committee
PG (M. Tech.)	No. Of Titles	Show calculations As per requirement	1752	*In addition to UG requirement*	Indicate AICTE norms and check existing status accordingly
	New Titles added	Show calculations: As per requirement	5	*In addition to UG requirement*	
	No. Of Volumes	Show calculations:8700 (As per AICTE Norms)	7691	*Required*	Deficiency of required volumes
	New Volumes added	Show calculations:600 (6 Courses @ 100)	17	*Required*	Deficiency of 583 volumes
	Reading Room Capacity	Show calculations: 100 (As per AICTE Norms Maximum150)	100	*Requirement satisfied*	Deviation from AICTE norms
	No. of PCs for Digital library	Show calculations: 10 (As per AICTE Norms Minimum10)	25	*Requirement satisfied*	Okay
	National Journals (*Hard copy*)	Show calculations:48 (8 Courses@ 6)	48	*Requirement satisfied*	Ok
	International Journals (*Hard copy*)	Show calculations: Desirable	5 PUBLISHERS ASCE ASME IEEE ELSEVIER IEEE	*Additional facilities*	Indicate AICTE norms on print and online journals No IEEE transactions (latest print versions) not available
	e-Journals (*National*)	Show calculations: (As per AICTE Recommended)		*Additional facilities*	
	e-Journals (*International*)	Show calculations: (As per AICTE Recommended)		*Additional facilities*	

Programme Level	Name of the Item	AICTE Norm	Existing	Remarks by librarian	Remarks by the Committee
PG (MBA)	No. of Titles	Show calculations: 700 (As per AICTE Norms)	656	*Required*	Calculate deficiency accordingly
	New Titles added	Show calculations:50 (each section 50)	01	*Required*	Deficiency of required no of titles
	No. of Volumes	Show calculations:7000 (As per AICTE Norms)	5099	*Nearly 1900 required*	Deficiency of required no of volumes
	New Volumes added	Show calculations:500 (each section 500)	08	*Nearly 500 required*	Deficiency of required no of volumes
	Reading Room Capacity	Show calculations: 100 (As per AICTE Norms Maximum150)	100	*Requirement satisfied*	Ok
	No. Of PCs for Digital library	Show calculations: 10 (As per AICTE Norms Minimum10)	25	*Requirement satisfied*	Okay
	National Journals (*Hard copy*)	Show calculations:06 (As per AICTE Norms)	06	*Requirement satisfied*	Okay
	International Journals (*Hard copy*)	Show calculations: Essential	J-GATE	*Additional facilities*	Indicate AICTE norms on print and online journals And Provide deficiency accordingly
	e-Journals (*National*)	Show calculations: (As per AICTE Recommended)		*Additional facilities*	
	e-Journals (*International*)	Show calculations: (As per AICTE Recommended)		*Additional facilities*	

Programme Level	Name of the Item	AICTE Norm	Existing	Remarks by librarian	Remarks by the Committee
Ph.D.	No. of Titles	Show calculations:		*No specific requirement*	Provide required information
	No. of Volumes	Show calculations:		*No specific requirement*	Provide required information
	Specific Journals (*if any*)	Show calculations:	5 PUBLISHERS ASCE ASME IEEE ELSEVIER IEEE	*No specific requirement*	Ok
	New facility created (*if any*)	Show calculations:		*No specific requirement*	

B. Common facilities as per AICTE norm:

S. No.	Name of the Item	YES or NO	Remarks by librarian		Remarks by the Committee
1.	NPTEL facility	YES	*Seating Capacity:* 72		Good
			Local chapter details: ACTIVE (YES)		
			Department: Video lectures available		
			CE: 115	ME: 150	
			EIE: 88	CSE: 110	
			EEE: 87	ECE: 88	
			IT: 110	MBA: 35	
			Others: 337		
2.	Computerized Indexing with Bar coding/ RF tagging for books	YES	*Required update Library Automation software*		Use Library Automation Software and Indicate the progress made in procurement of software
3.	NDL Membership	YES	3314 (Faculty and students)		Good
4.	e-Shodh Sindhu Membership	YES	*Availability of research Ph.D thesis, research articles and e-books for Faculty and students*		Good
5.	Reprographic facility	NO	*Reprographic facility is required*		Ok
6.	Document scanning facility	YES	*Available*		Okay
7.	Secured Wi-Fi facility	YES	*Available*		Provide Wi-Fi details
8.	Provision of space	NO	*Space required for Book Bank and Reference Section*		Indicate progress made

C. **Other facilities:**

S. No.	Name of the Item	YES or NO	Remarks by librarian			Remarks by the Committee
1.	Automation using Library Management System (LMS)	YES	*Indigenous based software by Institute – need to improved*			Indicate progress made
2.	Collection of Rare books	YES	*217 Rare books Available*			Good initiation
3.	Remote access to e-Resources of the library	YES	***Knimbus Remote Access***			Okay
4.	SC/ST book bank facility	YES	*Year*	*Tittles*	*Volumes*	Good
			Up to 2015	*893*	*13933*	
			2016	*48*	*413*	
			2017	*67*	*1351*	
			2018	*61*	*982*	
			2019	*94*	*1379*	
			2020	*92*	*1087*	
			Total	*1255*	*19145*	
5.	Subscription to Technical Magazines	YES	*11* *(No AICTE Norms specified)*			Give AICTE norms on journals to program wise
6.	Subscription to Non-technical Magazines	YES	*13* *(No AICTE Norms specified)*			Okay
7.	Subscription to News letters	YES	*6- National book trust, renewable energy, DRDO, Ni-msme bulletin, IETE, CSIR.* *(No AICTE Norms specified)*			Okay
8.	Subscription to Daily News papers	YES	*13 (Telugu -8, English – 5)* *News papers for students and faculty made available in reference section*			Okay
9.	Availability of previous question papers	YES	*Available*			Ok
10.	In time issue of ID cards	YES	*Every year Issuing the ID Cards during first year admissions*			Ok
11.	Working Hours	--	Monday-Friday 8.00 AM – 8.00PM Saturday 8.00AM – 2.00PM During Summer Vacation 9.30AM – 4.45PM			Ok

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal, T.S.)

Academic Audit for A.Y. 2020-21

Overall Suggestions / Remarks by Academic Audit Committee Members:

Procure more journal titles and volumes in all programs
Need of increasing of Reading room capacity
Provide calculations as per AICTE norms and procure no of book volumes and titles
Procure IEEE transactions print versions
Procure latest software for providing security, easy tracing, and tracking as it is very big library
Provide facilities as per remarks/AICTE norms

Date of Academic Audit: 02-09-2021

Name & Signature of Chairman, Library Advisory Committee: Prof. M. Sreelatha, Professor, E&IE

Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
An Autonomous Institute under Kakatiya University, Warangal (TS)

Academic Audit for A.Y. 2020-21

ACADEMIC AUDIT
Academic Section

Please fill the following information (*pertaining to the previous academic year)*:

Academic Year: 2020-21	

Dean, Academic Affairs:	Dr. V. Rajagopal, *Prof, Dept. of EEE*
Assoc. Dean, Academic Affairs:	
Staff: Superintendent:	Sri T. Venu Gopal Rao
Jr. Assistant:	Sri K. Anirudh
	Sri G. Suresh
	Sri Ch. Varun

A. Details of Programmes Offered by the Institute & Admission Status:

Name of the Programme	Year	Sanctioned Intake (*including lateral students*)	No. of students Admitted (*including Regular + Lateral Entry + Repeaters students*)	No. of students not registered	Whether NBA accredited?	Validation period of NBA accreditation
B.Tech - CE	I-year	120	94+0=94	-	Yes	3 Years Up to 30-06-2022
	II-year	120+12	113+19=132	2		
	III-year	120+12	117+12+4=133	-		
	IV-year	120+24	120+24+7=151	2		
	Total_CE	480+48=528	**510**	4		
B.Tech - ME	I-year	120	83+2=85	2	Yes	3 Years Up to 30-06-2022
	II-year	180+18	140+32+1=173	1		
	III-year	180+18	171+25+6=202	1		
	IV-year	180+36	155+40+2=197	-		
	Total_ME	660+72=732	**657**	4		
B.Tech - EIE	I-year	-	-	-	Yes	3 Years Up to 30-06-2021
	II-year	60+6	46+7+0=53	-		
	III-year	60+6	51+7+3=61	-		
	IV-year	60+12	44+9+3=56	-		
	Total_EIE	180+24=204	**170**	-		

B.Tech - CSE	I-year	180	180+0=180	-	Yes	3 Years Up to 30-06-2021
	II-year	180+18	181+18+1=200	1		
	III-year	180+18	176+19+5=200	2		
	IV-year	180+36	174+33+1=208	4		
	Total_CSE	720+72=792	**788**	7		
B.Tech - EEE	I-year	120	95+2=97	-	Yes	3 Years Up to 30-06-2022
	II-year	120+12	116+14+0=130	1		
	III-year	120+12	119+12+4=135	-		
	IV-year	120+24	116+24+5=145	-		
	Total_EEE	480+48=528	**507**	1		
B.Tech - ECE	I-year	180	180+0=180	1	Yes	3 Years Up to 30-06-2021
	II-year	180+18	181+18+0=199	-		
	III-year	180+18	179+18+1=198	-		
	IV-year	180+36	176+36+5=217	-		
	Total_ECE	720+72=792	**794**	1		
B.Tech - IT	I-year	120	120+0=120	-	Yes	3 Years Up to 30-06-2022
	II-year	60+6	60+6+0=66	-		
	III-year	60+6	60+5+3=68	-		
	IV-year	60+12	58+6+6=70	2		
	Total_IT	300+24	**324**	2		
B.Tech - CSN	I-year	60	60+1=61	-	No	Ok
	II-year	60+6	59+6+0=65	-		
	III-year	-	-	-		
	IV-year	-	-	-		
	Total_CSN	120+6=126	**126**	-		
B.Tech - ECI	I-year	60	45+0=45	-	No	Ok
	II-year	60+6	53+7+0=60	-		
	III-year	-	-	-		
	IV-year	-	-	-		
	Total_ECI	120+6=126	**105**	-		
B.Tech - CSM	I-year	60	60	-	No	Ok
	II-year	-	-	-		
	III-year	-	-	-		
	IV-year	-	-	-		
	Total_CSM	60	**60**	-		

B.Tech - CSO	I-year	60	60	-	No	Ok
	II-year	-	-	-		
	III-year	-	-	-		
	IV-year	-	-	-		
	Total_CSO	60	**60**	-		
M.Tech – S&CE	I-year	30	30+1=31	-	No	Ok
	II-year	24	24+1=25	-		
	Total_S&CE	54	**56**	-		
M.Tech – DE	I-year	30	12	-	No	Ok
	II-year	24	16	-		
	Total_DE	54	**28**	-		
M.Tech – PE	I-year	30	22	-		Ok
	II-year	18	16	-		
	Total_PE	48	**38**	-		
M.Tech – VLSI&ES	I-year	30	17	-	No	Ok
	II-year	18	13	-		
	Total_VLSI&ES	48	**30**	-		
M.Tech – DC	I-year	30	10	-		Ok
	II-year	25	12	-		
	Total_DC	55	**22**	-		
M.Tech – SE	I-year	30	7	-	No	Ok
	II-year	36	22	-		
	Total_SE	66	**29**	-		
M.Tech – CE&SP	I-year	30	8	-	No	Ok
	II-year	-	-	-		
	Total_CE&SP	30	**8**	-		
M.Tech – DS	I-year	30	9	-	No	Ok
	II-year	-	-	-		
	Total_DS	30	**9**	-		
MBA	I-year	60	44	-	No	Ok
	II-year	60	50	-		
	Total_MBA	120	**94**	-		

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
An Autonomous Institute under Kakatiya University, Warangal (TS)

Academic Audit for A.Y. 2020-21

Ph.D – CE	Admitted this year	--	--	--	--	Ok
	Total No. of students till date	--	6	--	--	Ok
Ph.D – ME	Admitted this year	--	--	--	--	Ok
	Total No. of students till date	--	26	--	--	Ok
Ph.D – EIE	Admitted this year	--	--	--	--	Ok
	Total No. of students till date	--	4	--	--	Ok
Ph.D – CSE	Admitted this year	--	--	--	--	Ok
	Total No. of students till date	--	8	--	--	Ok

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
An Autonomous Institute under Kakatiya University, Warangal (TS)

Academic Audit for A.Y. 2020-21

B. **Students admitted into the Institute during the current academic year, with the following details:**

Students	B.Tech		M.Tech		MBA		Ph.D.		Total	
	M	F	M	F	M	F	M	F	M	F
From the state where the College is located	631	464	57	58	11	33	-	-	699	555
From other states of India	2	4	-	-	-	-	-	-	2	4
NRI students	2	1	-	-	-	-	-	-	2	1
Foreign students	-	-	-	-	-	-	-	-		
Total	635	469	57	58	11	33	-	-	703	560

Students	B.Tech		M.Tech		MBA		Ph.D.		Total	
	M	F	M	F	M	F	M	F	M	F
Open category	147	124	9	9	2	3	-	-	158	136
OBC	333	235	30	32	8	20	-	-	371	287
SC	72	65	9	10	1	3	-	-	82	78
ST	46	23	5	3	0	4	-	-	51	30
Minority	37	22	4	4	0	3	-	-	41	29
Divyangjan	-	-	-	-	-	-	-	-		
Total	635	469	57	58	11	33	-	-	703	560

C. **Please write Yes or No and mention date &remarks, wherever applicable.**

S. No.	Particular	Yes / No	Date	Remarks by the Section	Remarks by the Committee
1.	AICTE Extension of Approval (EoA) sanctioned	Yes	15-06-2020	AICTE sanctioned EoA for A.Y. 2020-21 vide letter No. F.No.South-Central/1-7002525596/2020/EOA Dt: 15.06.2020	Good
2.	University Affiliation obtained	Yes	06-07-2020	KU sanctioned affiliation for A.Y. 2020-21 for both UG & PG programs vide letter No. 57/CDC/KU/2020, Dt: 06.07.2020	Good
3.	UGC Autonomous status granted	Yes	19-06-2014	Granted for 6 year from 2014-15 to 2019-20, vide letter No. F. 22-1/2014(AC), Dt: 19.06.2014	Good
4.	AISHE data uploaded	No	-	Not yet Start (*Notification not issued*)	Ok
5.	New Programmes added	Yes	15-06-2020	CSM (AI&ML)&CSO (IOT)	Good
6.	Curriculum/ Syllabus Revision done	Yes	22-06-2020	III-year syllabus revised	Ok
7.	Joint Board of Studies conducted	Yes	22-06-2020	JBoS approved the syllabi of common courses of B.Tech III-year under URR-18	Good
8.	Academic Council meeting conducted	Yes	04-07-2020	AC ratified rules &regulations of URR-18, scheme & syllabi of B.Tech III-year courses under URR-18	Good
9.	Total Faculty required as per AICTE norms for UG	260	--		Provide brief details
10.	Existing No. of Faculty for UG	247	--		Provide brief details
11.	Existing Faculty : Student ratio for UG	1:16	--		Maintain 1:15 as per AICTE
12.	Total Faculty required as per AICTE norms for PG (M.Tech.)	26	--		Good
13.	Existing No. of Faculty for PG (M.Tech.)	24	--		Ok
14.	Existing Faculty: Student ratio for PG (M.Tech.)	1:16	--		Maintain 1:12
15.	Total Faculty required as per AICTE norms for PG (MBA)	8	--		Ok

16.	Existing No. of Faculty for PG (MBA)	8	--			Good
17.	Existing Faculty : Student ratio for PG (MBA)	1:15	--			Maintain 1:12
18.	Total Faculty required as per AICTE norms for UG-I year	**72**	--	--		HOD Comments
19.	Faculty : Student ratio for UG-I year	1:16	--	--		Maintain 1:15
20.	No. of Classrooms maintained	Yes	--	As per AICTE norms: (0.75X17 DivX4)= 51 (UG)	**Existing:** 54 (UG)	Okay
				As per AICTE norms: - (M.Tech.)		
				As per AICTE norms: (0.75X1X2)= 02(MBA)	02 (MBA)	
				Total: 53	**56**	
21.	No. of Tutorial rooms maintained	Yes	--	As per AICTE norms: (51/4)= 13 (UG)	**Existing:** 12 (UG)	Okay
				As per AICTE norms: 8 (M.Tech.)	14 (PG)	
				As per AICTE norms: 1 (MBA)		
				Total: 20	**26**	
22.	No. of Laboratories (for I year) maintained	Yes	--	As per AICTE norms: 2 (Phy & Chem Labs)	**Existing: 3** (Phy, Chem & Eng Lang Labs)	Okay
23.	No. of Laboratories (other than I year) maintained	Yes	--	As per AICTE norms: (8/CourseX7) = 56	**Existing: 77**	Okay
24.	No. of Laboratories (for M.Tech.) maintained	Yes	--	As per AICTE norms: (1/SpecialisationX8)=8	**Existing: 8**	Okay
25.	No. of computer centres (for UG) maintained	Yes	--	As per AICTE norms: 2	**Existing: 2**	Okay
26.	No. of computer centres (for MBA) maintained	Yes	--	As per AICTE norms: 1 (1)	**Existing: 1**	Okay
27.	No. of Seminar Halls maintained	Yes	--	As per AICTE norms: 4 (1/Two CourseX4)	**Existing: 8**	Good
28.	No. of Drawing Halls	Yes	--	As per AICTE norms: 2	**Existing: 3**	Good
29.	Basic Science laboratories maintained	Yes	--	As per AICTE norms: 2 (Phy & Chem Labs)	**Existing: 2**	Good

30.	Language laboratory maintained	Yes	--	As per AICTE norms: 1	**Existing: 1**	Good
31.	Workshop maintained	Yes	--	As per AICTE norms:	**Existing: 3**	Good
32.	No. of Research Supervisors			CE= 3 ME= 6 EIE= 2 CSE= 2 P.Ed= 1 **Total=14**		Good
33.	Scholarships given by Govt.			Number of students benefited:**1142** (*for all B.Tech, M.Tech. & MBA during A.Y.2020-21*)	Total Amount: Rs.**41198000/-** (*for all B.Tech, M.Tech. & MBA during A.Y.2020-21*)	Good
				BC – 965 EBC – 175 DW - 02	Rs. 34881000 Rs. 6247000 Rs. 70000	
34.	Freeships given by Govt.	Yes	--	Number of students benefited:**1068** (*for all B.Tech, M.Tech. & MBA during A.Y.2020-21*)	Total Amount: Rs.**120431800/-** (*for all B.Tech, M.Tech. & MBA during A.Y.2020-21*)	Good
				BC – 188 EBC – 119 SC – 414 ST – 191 MN - 156	Rs. 21480000 Rs. 13695000 Rs. 46536200 Rs. 21630600 Rs. 17090000	
35.	Scholarships given by Institute	No	-	Number of students benefited: Total Amount:		Ok
36.	Freeships given by Institute	Yes		Number of students benefitted:46 Total Amount:2564930		Okay
37.	Any Students Fee payment is pending	Yes	--	Total Number of students: 18 Total Amount of Fee due:1321850 (Instalment permission letters granted by Management) – 71		Okay

38.	Timely reminder calls being sent to the students with fee pending	Yes	--	Informed to students & parents through SMS and phone calls	Okay
39.	**Almanac released**				Okay
	B.Tech – I year	Yes	09-11-2020		
	B.Tech – II year	Yes	24-07-2020		
	B.Tech – III year	Yes	24-07-2020		
	B.Tech – IV year	Yes	24-07-2020		
	M.Tech – I year	Yes	04-01-2020		
	M.Tech – II year	Yes	24-07-2020		
	MBA – I year	Yes	04-01-2021		
	MBA – II year	Yes	24-07-2020		
40.	**Time-Tables released**				Okay
	B.Tech – I year	Yes	02-12-2020		
	B.Tech – II year	Yes	03-08-2020		
	B.Tech – III year	Yes	03-08-2020		
	B.Tech – IV year	Yes	03-08-2020		
	M.Tech – I year	Yes	17-12-2020		
	MBA – I year	Yes	07-01-2021		
	MBA – II year	Yes	03-08-2020		
41.	Induction programme conducted for UG students	Yes	19-11-2020 to 28-11-2020		Okay
42.	Report on Induction programme prepared	Yes	-		Provide brief details
43.	Orientation programme conducted for PG students		-		Provide brief details
44.	Report on Orientation programme prepared	No	-	-	Provide brief details
45.	Orientation programme conducted for Newly recruited faculty	-	-	-	Provide brief details
46.	Students attendance monitored after I month of class work commencement	Yes	-	Progress Reports after MSE-I are being sent to Parents by the Departments Students having less than 75% list is given to HoDs in AAC and are informed to collect undertakings from the Respective Parents	Okay
47.	Course Review Meeting (CRM) conducted for B.Tech. I Year after MSE-I	-	-	-	

48.	Students attendance monitored I month before MSE-II	Yes	-	List of students having less than 75% attendance is given to HoDs in AAC and are informed to collect undertakings from the Respective Parents	Okay
49.	Students detained	Yes	-	Total Number: 5 Shortage of Attendance: 5 III sem – 3 VII sem – 2 Backlogs: -	Okay
50.	Dossier of detained students filed	Yes	-	Dossier are filed in Personal files of Students	Ok
51.	Course Review Meeting (CRM) conducted for B.Tech. I Year after MSE-II	No	-	-	Ok
52.	NAAC accredited	Yes	02-11-2018	Accredited with a **CGPA of 3.21** out of 4.0 with **A Grade;** Lr.No. F.19.26/EC(SC-33)/D0/2018/ C-27400 Dt: 02.11.2018	Good
53.	NIRF ranked	Yes	18-02-2021	Ranks yet to be declared	Good
54.	Any other Private Agency ranked	No	-	-	Ok

Overall Suggestions / Remarks by Academic Audit Committee Members:

Maintain Faculty and student ratio, cadre ratio as per AICTE norms for UG and PG Programs
Report on induction program may be prepared
Coordinate faculty workload assigned and monitoring to improve the academics
90 working days per semester may be maintained
Find the means to provide institute sponsored scholarships to UG and PG students

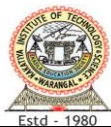**Date of Academic audit: 3-9-2021**

Name & Signature of Dean, Academic Affairs: Prof V Rajagopal,Professor,EEED

Name & Signature of Faculty I/c, Academic Affairs: Dr M Raju, Assoc.Prof,EIE

Academic Audit Committee Members:

S. No.	Name of the Member	Designation	Signature
1.	**Prof. K. ESWARAIAH** Coordinator, IQAC, KITS, Warangal	Chairperson	
2.	**Prof. T. SRINIVASULU** Principal, KUCETW Dean, Faculty of Engineering, KU, Warangal	External Member	
3.	**Prof. A. KUMAR** Professor & Head, MED, NIT, Warangal	External Member	
4.	**Prof. V. RAJAGOPAL** Dean, Academic Affairs, KITS, Warangal	Member	
5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15
(An Autonomous Institute under Kakatiya University, Warangal, T.S.)

Estd - 1980

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Name & Signature of Faculty I/c, Academic Affairs: Dr M Raju, Assoc.Prof, EIE

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5.	**Prof. P. NIRANJAN** Dean, R&D, KITS, Warangal	Member	

ACADEMIC AUDIT
Establishment Section

Academic Year: 2020-21

Please fill the following information:

Administration Officer:	Dr. P. Ramesh Reddy
Staff: Superintendent:	Sri. G. Ravinder
Jr. Assistant:	Sri. P. Bharadwaj, Jr. Asst.
	Sri P. Laxminarayana, Jr. Asst.
	Sri B. Srinivas Reddy, Jr. Asst.

A. Qualifications of the teaching staff at the Institute:

Highest Qualification	Professor		Associate Professor		Assistant Professor		Total	Total	
	Male	Female	Male	Female	Male	Female		Male	Female
Ph.D.	17	3	25	2	50	15	112	197	58
M.Tech/MBA/M.Phil.	2	1	6	4	95	30	138		
B.Tech/MCA/MSc/M.A					2	3	5		
Total:	23		37		195		255		

B. Department wise faculty details:

S. No.	Department	No. of Faculty with PhD	No. of Faculty with PG	Total no. of Faculty	Avg. Teaching experience
1	CE	11	18	29	9.88 Years
2	ME	17	25	42	11.60 Years
3	EIE	4	10	14	15.14 Years
4	EEE	16	18	34	10.86 Years
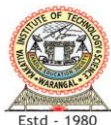
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5	CSE	15	29	44	11.78 Years
6	IT	4	9	13	15.30 Years
7	ECE	10	21	31	11.22 Years
8	M&H	11	4	15	17.35 Years
9	PSS	15	1	16	14.23 Years
10	MBA	7	3	10	11.42 Years

Please write Yes or No and mention date & remarks, wherever applicable.

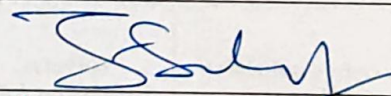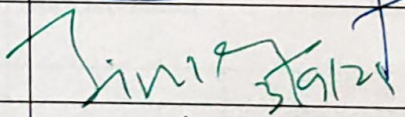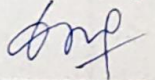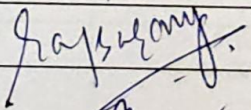| S. No.	Particular	Yes / No	Date	Remarks by the Section	Remarks by the Committee
1.	Governing Body meeting conducted	Yes	28.11.2020		Satisfactory
2.	Administrative Committee meeting conducted	Yes	12.05.2020 24.11.2020		Satisfactory
3.	Faculty deputed for FDPs/workshops	Yes		Number: 25	FDP deputations need to increase as it is 10%
4.	Faculty sponsored for conferences	Yes		Number: 30	Required to increase to at least 30%
5.	Faculty acquired PhD	Yes		Number: 28	Ok
6.	Faculty pursuing PhD	Yes	---	Number: 104	Need to provide Research facilities
7.	Faculty sponsored to pursue PhD	Yes	---	Number: 1	Need to improve
8.	Faculty having degrees from IITs/NITs	Yes	---	Number: 12	Good
9.	Faculty having degrees from Universities abroad	Yes	---	Number: --- 02	Good
10.	Any faculty appreciations given	Yes	---	03	Good
11.	Self appraisal reports (PBAS) are collected every year	Yes	---	From all Regular Faculty	Good
12.	Self appraisal reports of non-teaching staff collected every year	Yes	---	From all Non – Teaching Staff	Good

Overall Suggestions / Remarks by Establishment-Academic Audit Committee Members:

Need to improve the faculty deputation to FDP/Conferences
Need to improve Research facilities for PhD pursuing faculty
Faculty credits may be quantified in terms of h Index, Citations, i-10 index, performance and qualification index,
Indicate research outcome of the college in terms of publications(SCIE, SCOPUS, WOS) and Projects (Govt. funding, Industry Sponsored), and Patents (commercialized, granted, filed) etc
List of Faculty, students, and college awards, distinctions, and honors achieved

Date of Academic audit: 03-09-2021

Name & Signature of Administrative Officer: Prof. P. Ramesh Reddy

Establishment-Academic Audit Committee Members:

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