TEEGALA KRISHNA REDDY ENGINEERING COLLEGE
(UGC-Autonomous)
(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated to JNTUH)
Accredited by NAAC 'A' Grade, Accredited by NBA
Medbowli, Meerpet, Balapur, Hyderabad, Telangana- 500097
Mob: 8498085218. Email: info@tkrec.ac.in, www.tkrec.ac.in

Internal Audit / External Audit

Date of Academic Audit : 04/09/2023

1.	Name of the Department	Electrical and Electronics Engineering
2.	Year of Establishment	2005
3.	Names of Programmes offered (Mention with Intake)	B.Tech(60)

4. A) Number of Teachers

Designation	Existing
Professor	2
Associate Professors	2
Asst. Professors	18
Others	Nil

B) Teaching Experience of the Faculty in the Institute

Tenure	No. of Teachers
More than 5 Years	14
More than 3 Years	2
Between 2 to 3 Years	3
Between 1 to 2 Tears	1
Below 1 Year	2

5	Student Teacher Ratio	
	Number of faculty having Ph.D	2
	Number of faculty registered for Ph.D	10

6. Grants/Funds Received for Research/FDPs/STTPs/ Workshops etc.
I. PROJECTS GRANTED IN THE CURRENT ACADEMIC YEAR
a). Number of Research Grants only, b). Number of Faculty Development Grants:
c). Research Grants received, d). Faculty Development Grants received :

Name of funding agencies	Category of the funding Agency (COVT/Non GOVT funding agencies/ individuals	Name of the Faculty	Funds/Grants received (INR in lakhs)	Collabor ation
Nil	Nil	Nil	Nil	Nil

II.Ongoing Projects

Nil	Nil	Nil	Nil	Nil

7. Special research laboratories sponsored by / created by industry or corporate bodies (furnish The Details)

Name of the Laboratory	Sponsored by	Budget
Nil	Nil	Nil

8. Publications (List is to be attached)

Number of Papers published in Journals	35
Number of Papers published in Book Chapters/Conferences	0
Number of Books with ISBN	0
Average Citation Index	
Average Impact Factor	
h-index	8

9	Details Of Patents (If necessary, please include an additional sheet)		
	Name of the Faculty	Topic	Obtained / Published / Filed
	KALAGOTLA CHENCHIREDDY	Smart electric switch design with IOT	1/3/2023
	KALAGOTLA CHENCHIREDDY	DESIGN OF FRAMEWORK FOR ANALYSIS OF PROS AND CONS OF	12/12/2022

10.	Areas of consultancy and income generated	
	Areas of consultancy	Income generated
	Nil	Nil

11. Faculty serving in a)National committees, b) International committees c) Editorial Boards
d) any other (please specify)

Name of the Faculty	Name and details of the committees
KALAGOTLA CHENCHIREDDY	PriMera Scientific Engineering (ISSN: 2834-2550) - Board Members

12. How many students have cleared Civil Services and Defense Services 'examinations* GATE and other competitive examinations

Name of the Student	Name and details of the Examinations
Nil	Nil

13. Faculty recharging strategies (Orientation programs, workshops training programs and similar programs) **Attach a separate sheet for details

	National	International
FDPs attended by the faculty	20	
Conferences attended		21
Workshops attended	3	

14 Student projects

Percentage of students who have done in-house projects including inter-departmental projects	100
Percentage of students doing projects in collaboration with other universities/ industry/ institute	Nil

15. Awards/recognitions received at the national and international level by Faculty Doctoral / post doctoral fellows Students

Name of the Award/ Recognition received	National/ International	Name of the Faculty/Student	Faculty/Student
[IJPEDS] Certificate of Appreciation as Reviewer	International	KALAGOTLA CHENCHIREDDY	Faculty
[IJAPE] Certificate of Appreciation as Reviewer	International	KALAGOTLA CHENCHIREDDY	Faculty
[ISA Transactions] Certificate of Recognition as Reviewer	International	KALAGOTLA CHENCHIREDDY	Faculty

16. Faculty Guiding Research

From the host institution / university	Nil
From other institutions / universities	Nil

17 Infastructure And Laboratory Details

Number of Class Rooms With ICT Facilities	1
Number of Class Rooms Without ICT Facilities	3
Number of Tutorial Rooms	4

Number of Student Laboratories With Names and Stock Verification (If necessary, please include an additional sheet)

Sno.	Name of the Lab	
1	Electrical Circuit Analysis Laboratory	K-101

Sno.	Name of the Lab	Room
2	Electrical Machines Laboratory	105
3	Measurements and Instrumentation Laboratory	104
4	Control Systems lab	K-102
5	Power system simulation lab	103
6	Power system lab	K-102
7	Electrical Workshop lab	102
8	Power Electronics Laboratory	102

Number of Research Laboratories

Sno.	Name of the Lab	
1	Simulation Lab	103
2		

Number of Softwares Available

Sno.	Name and details of the Software	
1	MATLAB	9

Number Of Computers In Student Laboratories	30
Number Of Computers For Faculty And Office	1
Books In Department Library	403
Internet Facilities	YES

18 Placement Activities :

No. of companies Visited	11
No. of Placements offered	30
Average Salary offered	3.5LPA
Off campus placements (%)	1
On campus Placements (%)	29
Existence of training & Placement Office in the Institute :	Yes

19 Quality Improvement

Parameter	Incharge	Status (Yes/No)
Minutes of the Department Meetings	Mrs.S.Lavanya	Yes
Best practices implemented	Dr.B.Vidya Sagar	Yes
Innovations by faculty/ students	Dr.N.Rajashekar Varma	Yes
Student Mentoring	Mr.T.Madhu babu	Yes
Strengths, Weaknesses, Opportunities and Challenges (SWOC)	Mr.B.Ramesh	Yes

20 Course Files with completion status (If necessary, please include an additional sheet)

II-YEAR-I SEMESTER		II-YEAR-II SEMESTER	
Subject Name	Status (Y/N)	Subject Name	Status (Y/N)
Analog electronics	Yes	Power Electronics	Yes
Electrical circuit analysis	Yes	Digital electronics	Yes
Electrical machines -1	Yes	Electrical machines -II	Yes
Electromagnetic fields	Yes	Numerical Methods & Complex Variables	Yes
Engineering mechanics	Yes	Power system-I	Yes
Analog electronics lab	Yes	Power Electronics lab	Yes
Electrical circuits lab	Yes	Digital electronics lab	Yes
Electrical machines lab-1	Yes	Electrical machines lab -II	Yes
Professional & Engineering Ethics	Yes	Gender Sensitization Lab	Yes
Quantitative Analysis - 1	Yes	Quantitative Logical and Reasoning	Yes

III YEAR-I SEMESTER		III-YEAR-II SEMESTER	
Subject Name	Status (Y/N)	Subject Name	Status (Y/N)
Control Systems	Yes	Power system operation and control	Yes
Power system II	Yes	Microprocessor and Microcontrollers	Yes
Measurements and Instrumentation	Yes	Power system protection	Yes

Subject Name	Status	Subject Name	Status
Business Economics and financial analysis	Yes	Power Semiconductor Drives	Yes
Professional Elective -I(High Voltage Engineering)	Yes	Open Elective-I(Principles of Electronics Communications)	Yes
Advanced communication skills lab	Yes	Professional Elective -II(Renewable Energy Resources	Yes
Measurements and Instruments lab	Yes	Microprocessor and Microcontrollers lab	Yes
Control Systems lab	Yes	Power system lab	Yes
Power system simulation lab	Yes	Electrical Workshop lab	Yes
Intellectual property Rights	Yes	Basic Technical Training (BTT)	Yes
Personality Development &Softskills	Yes		
Summer Internship	Yes		

IV YEAR-I SEMESTER		IV-YEAR-II SEMESTER	
Subject Name	Status (Y/ N)	Subject Name	Status (Y/ N)
Open Elective -II(Data Structures)	Yes	Open Elective-III(Data base management systems)	Yes
Professional Elective -III(Electrical and Hybrid Vehicle	Yes	Professional Elective -V(Power Quality and Facts)	Yes
Professional Elective-IV(HVDC Transmission)	Yes	Professional Elective -VI(Electrical Distribution Systems)	Yes
Fundamentals of Management for Engineers	Yes	Project Stage - II	Yes
Electrical & Electronics Design Lab	Yes		
Industrial Oriented Mini Project/ Summer Internship	Yes		
Seminar	Yes		
Project Stage - I	Yes		

21 Seminar Presentation Details

Review Date	No.of students for Seminar	Faculty In charges
12/9/2022	58	T.Madhu Babu
13/9/2022	63	A.Nagasridhar
24/10/2022	58	T.Madhu Babu
25/10/2022	63	A.Nagasridhar
19/12/2022	58	T.Madhu Babu
20/11/2022	63	A.Nagasridhar

22 Monitoring the Evaluation Process of Mini-Projects

Review Date	Seminar Batches	Faculty In charges
17/09/2022	14	K.Chenchireddy
24/09/2022	16	A.Nagasridhar
17/10/2022	14	K.Chenchireddy
20/10/2022	16	A.Nagasridhar
4/11/2022	14	K.Chenchireddy
5/11/2022	16	A.Nagasridhar
17/12/2022	14	K.Chenchireddy
24/12/2022	16	A.Nagasridhar

23 Monitoring the Evaluation Process of Major-Projects

Review Date	Seminar Batches	Faculty In charges
17/09/2022	16	A.Nagasridhar
24/09/2022	14	K.Chenchireddy
17/10/2022	16	A.Nagasridhar
20/10/2022	14	K.Chenchireddy
4/11/2022	16	A.Nagasridhar
5/11/2022	14	K.Chenchireddy
17/12/2022	16	A.Nagasridhar
24/12/2022	14	K.Chenchireddy
18/02/2023	16	K.Chenchireddy
4/3/2023	14	K.Chenchireddy
15/04/2023	14	K.Chenchireddy
29/4/2023	16	A.Nagasridhar
6/5/2023	14	K.Chenchireddy
13/5/2023	16	A.Nagasridhar
6/6/2023	14	K.Chenchireddy

Yes
Yes

servations

No Research laboratory. No Funding Projects.
No consultancy work.

2. Weakness/ Scope of the Improvement

Faculty do not have research grant / FDP's / STTP's / workshops etc. But the department having dynamic and dedicated faculty with combination of seniors & Juniors. They could improve the department in all aspects including the mentioned lagging area.

3. Actions Suggested

Everyone must aware importants of the innovation things to improve the standards of the deparment. Hence for the teachers must attend recent trend workshops, Faculty development programmes etc.

Name of the Auditor	KRANTH KUMAR THALLAPALLI
Designation:	Professor
Department:	EEE
Signature	Kranthi
Date:	04/09/2023

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Internal Audit / External Audit

Date of Academic Audit :

1.	Name of the Department	COMPUTER SCIENCE AND ENGINEERING
2.	Year of Establishment	2002
3.	Names of Programmes offered (Mention with Intake)	CSE-240

4. A) Number of Teachers

Designation	Existing
Professor	4
Associate Professors	12
Asst. Professors	38
Others	2

B) Teaching Experience of the Faculty in the Institute

Tenure	No. of Teachers
More than 5 Years	15
More than 3 Years	10
Between 2 to 3 Years	4
Between 1 to 2 Tears	10
Below 1 Year	2

5	Student Teacher Ratio		4
	Number of faculty having Ph.D		8
	Number of faculty registered for Ph.D		

6. Grants/Funds Received for Research/FDPs/STTPs/ Workshops etc.
1. PROJECTS GRANTED IN THE CURRENT ACADEMIC YEAR
a). Number of Research Grants only, b). Number of Faculty Development Grants:
c). Research Grants received, d). Faculty Development Grants received :

Name of funding agencies	Category of the funding Agency (COVT/Non GOVT funding agencies/ individuals	Name of the Faculty	Purpose of the Grant Research/ FDP/ workshop	Funds/Grants received (INR in lakhs)	Collabor ation

II Ongoing Projects

7. Special research laboratories sponsored by / created by industry or corporate bodies (furnish The Details)

Name of the Laboratory	Sponsored by	Budget
	NIL	

18	Placement Activities :	
	No. of companies Visited	20
	No. of Placements offered	77
	Average Salary offered	3.5
	Off campus placements (%)	7%
	On campus Placements (%)	93%
	Existence of training & Placement Office in the Institute	Yes

19	Quality Improvement		
	Parameter	Incharge	Status (Yes/No)
	Minutes of the Department	C Archana	
	Best practices implemented	Workshops	
	Innovations by faculty/	C Archana	
	Student Mentoring	PV.RAMA GOPAL RAO	yes
	Strengths, Weaknesses,	Experienced professors and faculty,conducting workshops	

20 Course Files with completion status (If necessary, please include an additional sheet)

II-YEAR		III- Year	
Subject Name	Status (Y/ N)	Subject Name	Status (Y/ N)
Data Structures	Yes	Design and Analysis of Algorithm	Yes
Data Structures Lab	Yes	Design and Analysis of Algorithm Lab	Yes
C++	Yes	Object Oriented Analysis and Design	Yes
C++ Lab\	Yes	Object Oriented Analysis and Design Lab	Yes
Computer Organisation	Yes	Software Engineering	Yes
IT Wrokshop	Yes	Artificial Intelligence	Yes
Java Programming	Yes	FLAT	Yes
Java Programming Lab	Yes	Machine Learning	Yes
Discrete Mathematics	Yes	Machine Learning Lab	Yes
Operating Syatems	Yes	Compiler Design	Yes
Database Management Systems	Yes	Software Testing Methodologies	Yes
Database Management Systems lab	Yes	Software Testing Methodologies Lab	Yes
		Computer Networks	Yes
		Web Technologies	Yes
		Computer Networks/Web technologies Lab	Yes

IV-YEAR	
Subject Name	Status (Y/ N)
Cryptography and Network Security	Yes
Cryptography and Network Security Lab	Yes
Data Mining	Yes
Cloud Computing	Yes
Software Process and Project Management	Yes
Human Computer and Interaction	Yes

Review Date		Seminar Batches		Faculty In charges
...2/2022,23/12/2022,24/12/2022	A Section			
23/12/2022,24/12/2022,27/12/2022	B Section			J.MAHESH
24/12/2022,27/12/2022,28/12/2022	C Section			Y.SHIVA SREE
27/12/2022,28/12/2022,29/12/2022	D Section			B.NARSINGAM
				A.DIVYA SREE

2 Monitoring the Evaluation Process of Mini-Projects

Review Date		Seminar Batches		Faculty In charges
13/9/2022,12/10/2022,13/12/2022,6/1/2023	A Section			
15/9/2022,13/10/2022,14/12/2022,7/1/2023	B Section			J.MAHESH,B.NARSINGAM
16/9/2022,14/10/2022,15/12/2022,9/1/2023	C Section			A.LAKSHMAN,Y.SHIVA SREE
17/9/2022,15/10/2022,16/12/2022,10/1/2023	D Section			K.RENUKA,A.SWETHA
				A.DIVYA SREE,,T.PRIYANKA

23 Monitoring the Evaluation Process of Major-Projects

Review Date		Seminar Batches		Faculty In charges
23/2/2023,16/3/2023,11/4/2023,17/4/2023,2/5/2023	A Section			K.BHARGAVI,G.SWETHA
22/2/2023,14/3/2023,12/4/2023,18/4/2023,3/5/2023	B Section			G TEJASWINI,S.MOUNIKA
20/2/2023,13/3/2023,13/4/2023,19/4/2023,4/5/2023	C Section			A.DIVYA SREE,P.RATNA TEJASWI
21/2/2023,15/3/2023,14/4/2023,20/4/2023,5/5/2023	D Section			C.ARCHANA,K.RAGHAVENDAR

Comments of the Auditor

1. Observations

The department maintained faculty to student ratio of 1:20 the department ensures on effective & personaliz... learning. Environment -

→ faculty members actively engage in workthrough FDPs & seminars conducted by premier organisation showcasing a commit...

2. Weakness/ Scope of the Improvement

→ Need of ensuring a systematic verification process for recorded marks In coursefile is crucial for maintaining accuracy & transperancy academic evaluations.

→ faculty cabins are available ensuring equitable access for all staff members will contribute for a positive and inclu... working environm...

3. Actions Suggested

Name of the Auditor	Shabaa, Neil gogte Institute of Technology
Designation:	Asso Professor
Department:	Computer science and Engineering
Signature	Sabaa
Date:	23/11/23

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Internal Audit / External Audit

Date of Academic Audit :

1.	Name of the Department	COMPUTER SCIENCE AND ENGINEERING
2.	Year of Establishment	2002
3.	Names of Programmes offered (Mention with Intake)	CSE-240

4. A) Number of Teachers

Designation	Existing
Professor	4
Associate Professors	12
Asst. Professors	38
Others	2

B) Teaching Experience of the Faculty in the Institute

Tenure	No. of Teachers
More than 5 Years	18
More than 3 Years	13
Between 2 to 3 Years	4
Between 1 to 2 Years	15
Below 1 Year	6

5. Student Teacher Ratio

Number of faculty having Ph.D	4
Number of faculty registered for Ph.D	10

6. Grants/Funds Received for Research/FDPs/STTPs/ Workshops etc.
L. PROJECTS GRANTED IN THE CURRENT ACADEMIC YEAR
a). Number of Research Grants only, b). Number of Faculty Development Grants: c). Research Grants received, d). Faculty Development Grants received :

Name of funding agencies	Category of the funding Agency (GOVT/Non GOVT funding agencies/ individuals	Name of the Faculty	Purpose of the Grant Research/ FDP/ workshop	Funds/Grants received (INR in lakhs)	Collaboration
II. Ongoing Projects					

7. Special research laboratories sponsored by / created by industry or corporate bodies (furnish The Details)

Name of the Laboratory	Sponsored by	Budget
	NIL	

8	Publications (List is to be attached)		
	Number of Papers published in Journals	1	
	Number of Papers published in Book Chapters/Conferences		
	Number of Books with ISBN		
	Average Citation Index	2.3	
	Average Impact Factor	3	
	h-index	5.25	

9	Details Of Patents (If necessary, please include an additional sheet)			
	Name of the Faculty	Topic	Obtained / Published / Filed	Product
	Dr M DASHARATHAM,Dr J RAJARAM	IOT,AI based implementation of smart surveillance system with facial recognition and image processing approach	Published	2.02241E+11

10	Areas of consultancy and income generated

Areas of consultancy	Income generated	

11. Faculty serving in a)National committees, b) International committees c) Editorial Boards
d) any other (please specify)

Name of the Faculty	Name and details of the committees
Dr CH V. PHANI KRISHNA	CSI,ISTE,CSTA,ICST,IAENG,IJCMI,IJASEI,IJEI,IJCCTI,PJSRE,WASET,IRED,ISRPM
Dr K BHARGAVI	IAENG

12. How many students have cleared Civil Services and Defense Services 'examinations* GATE and other competitive examinations

Name of the Student	Name and details of the Examinations
	NIL

13. Faculty recharging strategies (Orientation programs, workshops training programs and similar programs) **Attach a separate sheet for details

	National	International	
FDPs attended by the faculty		38	
Conferences attended		18	
Workshops attended		24	

14	Student projects		
	Percentage of students who have done In-house projects including inter-departmental projects	95	
	Percentage of students doing projects in collaboration with other universities/ industry/ institute	0.5	

received at the national and international level by Faculty Doctoral / post doctoral fellows Students

of the Award/ Recognition received	National/ International	Name of the Faculty/Student	Faculty/ Student	
training certificate of acheivement	INTERNATIONAL	P.V.Rama Gopala Rao	Faculty	

16. Faculty Guiding Research

From the host institution / university	4
From other institutions / universities	6

17 Infastructure And Laboratory Details

Number of Class Rooms With ICT Facilities	1
Number of Class Rooms Without ICT Facilities	10
Number of Tutorial Rooms	2

Number of Student Laboratories With Names and Stock Verification (If necessary, please include an additional sheet)

Sno.	Name of the Lab	Room No.
1	R PROGRAMMING,CN/WT	202
2	ML USING PYTHON,PE-III,DIP,MAD	204
3	DBMS,DS,OS,OOPS THROUGH JAVA	209
4	SKILL DEVELOPMENT COURSE-DATA VISUALIZATION	310

Number of Research Laboratories

Sno.	Name of the Lab	Room No.
1	Resaerch laboratory	303
2		

Number of Softwares Available

Sno.	Name and details of the Software	No of Users

Number Of Computers In Student Laboratories	290
Number Of Computers For Faculty And Office	5
Books In Department Library	400
Internet Facilities	10 MBPS

18	Placement Activities :		
	No. of companies Visited	13	
	No. of Placements offered	107	
	Average Salary offered	3.6	
	Off campus placements (%)	10%	
	On campus Placements (%)	90%	
	Existence of training & Placement Office in the Institute	Yes	

19	Quality Improvement		
Parameter	Incharge		Status (Yes/No)
Minutes of the Department Meetings	C ARCHANA		
Best practices implemented	Workshops		
Innovations by faculty/ students	C ARCHANA		
Student Mentoring	PV RAMA GOPAL RAO		
Strengths, Weaknesses, Opportunities and Challenges (SWOC)	Experienced professors and faculty,conducting workshops		yes

20 Course Files with completion status (If necessary, please include an additional sheet)

II-YEAR		III- Year	
Subject Name	Status (Y/ N)	Subject Name	Status (Y/ N)
Data Structures	Yes	Design and Analysis of Algorithm	Yes
Data Structures Lab	Yes	Design and Analysis of Algorithm Lab	Yes
C++	Yes	Object Oriented Analysis and Design	Yes
C++ Lab	Yes	Object Oriented Analysis and Design Lab	Yes
Computer Organisation	Yes	Software Engineering	Yes
IT Wrokshop	Yes	Artificial Intelligence	Yes
Java Programming	Yes	FLAT	Yes
Java Programming Lab	Yes	Machine Learning	Yes
Discrete Mathematics	Yes	Machine Learning Lab	Yes
Operating Systems	Yes	Compiler Design	Yes
Database Management Systems	Yes	Software Testing Methodologies	Yes
Database Management Systems lab	Yes	Software Testing Methodologies Lab	Yes
		Computer Networks	Yes
		Web Technologies	Yes
		Computer Networks/Web technologies Lab	Yes

IV-YEAR	
Subject Name	Status (Y/ N)
Cryptography and Network Security	Yes
Cryptography and Network Security Lab	Yes
Data Mining	Yes
Cloud Computing	Yes
Software Process and Project Management	Yes
Human Computer and Interaction	Yes

...ation Details

Review Date	Seminar Batches	Faculty In charges
2022,23/12/2022,24/12/2022	A Section	J.MAHESH
/12/2022,24/12/2022,27/12/2022	B Section	Y.SHIVA SREE
24/12/2022,27/12/2022,28/12/2022	C Section	B.NARSINGAM
27/12/2022,28/12/2022,29/12/2022	D Section	A.DIVYA SREE

22 Monitoring the Evaluation Process of Mini-Projects

Review Date	Seminar Batches	Faculty In charges
13/9/2022,12/10/2022,13/12/2022,6/1/2023	A Section	J.MAHESH,B.NARSINGAM
15/9/2022,13/10/2022,14/12/2022,7/1/2023	B Section	A.LAKSHMAN,Y.SHIVA SREE
16/9/2022,14/10/2022,15/12/2022,9/1/2023	C Section	K.RENUKA,A.SWETHA
17/9/2022,15/10/2022,16/12/2022,10/1/2023	D Section	A.DIVYA SREE,.T.PRIYANKA

23 Monitoring the Evaluation Process of Major-Projects

Review Date	Seminar Batches	Faculty In charges
23/2/2023,16/3/2023,11/4/2023,17/4/2023,2/5/2023	A Section	K.BHARGAVI,G.SWETHA
22/2/2023,14/3/2023,12/4/2023,18/4/2023,3/5/2023	B Section	G TEJASWINI,S.MOUNIKA
20/2/2023,13/3/2023,13/4/2023,19/4/2023,4/5/2023	C Section	A.DIVYA SREE,P.RATNA TEJASWI
21/2/2023,15/3/2023,14/4/2023,20/4/2023,5/5/2023	D Section	C.ARCHANA,K.RAGHAVENDAR

Comments of the Auditor
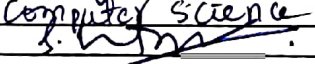
1. Observations

1) The department has implemented a robust student feedback mechanism, fostering open communication & facilitating continuous improvement.
2) All laboratories are well-equipped with the latest computer configurations facilitating a modern & practical learning Experience.

2. Weakness/ Scope of the Improvement

1) The department should Enhance its focus on research work to Encourage faculty & student involvement in meaningful research.
2) Need to increase the focus on organizing comprehensive softskills training programs can enhance the overall development of students preparing them for academic & professional success.

3. Actions Suggested

Name of the Auditor	Dr S.SATYANARAYANA, Malla Reddy University
Designation:	Professor - ASML.
Department:	Computer Science and engineering
Signature	S.____
Date:	

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Mob: 8498085218. Email: info@tkrec.ac.in, www.tkrec.ac.in

Date of Academic Audit :16-08-2023

Internal Audit / External Audit

Name of the Department			
Year of Establishment			
Names of Programmes offered (Mention with Intake)			COMPUTER SCIENCE AND ENGINEERING
A) Number of Teachers			2002
			CSE-300

	Designation	Existing	
	Professor	4	
	Associate Professors	6	
	Asst. Professors	34	
	Others	2	

B) Teaching Experience of the Faculty in the Institute

	Tenure	No. of Teachers	
	More than 5 Years	19	
	More than 3 Years	10	
	Between 2 to 3 Years	3	
	Between 1 to 2 Tears	9	
	Below 1 Year	6	

Student Teacher Ratio

Number of faculty having Ph.D

Number of faculty registered for Ph.D

Grants/Funds Received for Research/FDPs/STTPs/ Workshops etc.

PROJECTS GRANTED IN THE CURRENT ACADEMIC YEAR   5

a). Number of Research Grants only, b). Number of Faculty Development Grants: 15

c). Research Grants received, d). Faculty Development Grants received :

Name of funding agencies	Category of the funding Agency (GOVT/Non GOVT funding agencies/ individuals	Name of the Faculty	Purpose of the Grant Research/ FDP/ workshop	Funds/Grants received (INR in lakhs)	Collabor ation
ICSSR	GOVT				
		Dr Suresh Babu	International Seminar	2.5lakhs	ICSSR
Ongoing Projects					
International Conference On Emerging Trends in Computing & Communication systems(Conference)	GOVT				
		Dr Suresh Babu	International Conference	1.8 lakhs	SERB

Special research laboratories sponsored by / created by industry or corporate bodies (furnish The Details)

Name of the Laboratory	Sponsored by	Budget	
	NIL		

8. Publications (List is to be attached)

Number of Papers published in Journals	38
Number of Papers published in Book Chapters/Conferences	
Number of Books with ISBN	
Average Citation Index	23
Average Impact Factor	3
h-index	5.25

9. Details Of Patents (If necessary, please include an additional sheet)

Name of the Faculty	Topic	Obtained / Published / Filed	Product
Dr.CH.V. PHANI KRISHNA	MACHINE LEARNING ALGORITHM FOR PREDICTING DIABETES USING BIG DATA ANALYSIS	Published	

10. Areas of consultancy and income generated

Areas of consultancy	Income generated

11. Faculty serving in a) National committees, b) International committees c) Editorial Boards d) any other (please specify)

Name of the Faculty	Name and details of the committees
Dr. BANDLA SRINIVASA RAO	CSI
M SURESH BABU	IJAEA,BORJ,IJAIM,AARF,IJBTT,CII,IAJIT,JCS,IJATEST
Dr CH.V. PHANI KRISHNA	CSI,ISTE,CSTA,ICST,IAENG,IJCMI,IJASEI,IJEI,IJCCTI,PJSRE,WASET,IRED,ISRPM
Dr.K.BHARGAVI	IAENG

11. How many students have cleared Civil Services and Defense Services 'examinations' GATE and other competitive examinations

Name of the Student	Name and details of the Examinations
	NIL.

13. Faculty recharging strategies (Orientation programs, workshops training programs and similar programs) **Attach a separate sheet for details

	National	International	
FDPs attended by the faculty		30	
Conferences attended		12	
Workshops attended		24	

14. Student projects

Percentage of students who have done in-house projects including inter-departmental projects	

Percentage of students doing projects in collaboration with other universities/ Industry/ Institute	

recognitions received at the national and international level by Faculty Doctoral / post doctoral fellows Students

Name of the Award/ Recognition received	National/ International	Name of the Faculty/Student	Faculty/ Student
"Best Principal Award"	National	M.SURESH BABU	Faculty
"Best Researcher Award"	International	Dr.CH.V. PHANI KRISHNA	Faculty
"Certificate for Reviewer" IJITEE	International	Dr.K.BHARGAVI	Faculty
"Best Mentor Award"IJIEMR	International	M.CHINNA BABU	Faculty
"Best Faculty Award" TKREC	National	M.CHINNA BABU	Faculty
"Best Paper Award" IJIEMR	International	T.SAI LALITH PRASAD	Faculty
"Telangana Got Talent" Hackathon	National	Andoju Adarsh	Student
"Telangana Got Talent" Hackathon	National	Nimish	Student
"Telangana Got Talent" Hackathon	National	Satwik Reddy Mokila	Student
"Telangana Got Talent" Hackathon	National	Gigula Varsha	Student

16.	Faculty Guiding Research		
	From the host institution / university	5	
	From other institutions / universities	8	

17	Infastructure And Laboratory Details	
	Number of Class Rooms With ICT Facilities	1
	Number of Class Rooms Without ICT Facilities	10
	Number of Tutorial Rooms	2

Number of Student Laboratories With Names and Stock Verification (If necessary, please include an additional sheet)

Sno.	Name of the Lab	Room No.
1	R PROGRAMMING,CN/WT	202
2	ML USING PYTHON,PE-III,DIP,MAD	204
3	DBMS,DS,OS,OOPS THROUGH JAVA	209
4	SKILL DEVELOPMENT COURSE-DATA VISUALIZATION	310

Number of Research Laboratories

Sno.	Name of the Lab	Room No.
1	Resaerch laboratory	303
2		

Number of Softwares Available

Sno.	Name and details of the Software	No of Users

Number Of Computers In Student Laboratories	290
Number Of Computers For Faculty And Office	5
Books In Department Library	400

Internet Facilities	10 MBPS	

18	**Placement Activities :**		
	No. of companies Visited	14	
	No. of Placements offered	68	
	Average Salary offered	2.60 lakhs	
	Off campus placements (%)	10%	
	On campus Placements (%)	90%	
	Existence of training & Placement Office in the Institute :	Yes	

19	**Quality Improvement**		
	Parameter	Incharge	Status (Yes/No)
	Minutes of the Department Meetings	A.DIVYA SREE	
	Best practices implemented	Workshops	
	Innovations by faculty/ students	A.DIVYA SREE	
	Student Mentoring	PV.RAMA GOPAL RAO	yes
	Strengths, Weaknesses, Opportunities and Challenges (SWOC)	Experienced professors and faculty,conducting workshops	

20	**Course Files with completion status (If necessary, please include an additional sheet)**

II-YEAR		**III- Year**	
Subject Name	Status (Y/ N)	Subject Name	Status (Y/ N)
Data Structures	Yes	Design and Analysis of Algorithm	Yes
Data Structures Lab	Yes	Design and Analysis of Algorithm Lab	Yes
C++	Yes	Object Oriented Analysis and Design	Yes
C++ Lab\	Yes	Object Oriented Analysis and Design Lab	Yes
Computer Organisation	Yes	Software Engineering	Yes
IT Wrokshop	Yes	Artificial Intelligence	Yes
Java Programming	Yes	FLAT	Yes
Java Programming Lab	Yes	Machine Learning	Yes
Discrete Mathematics	Yes	Machine Learning Lab	Yes
Operating Syatems	Yes	Compiler Design	Yes
Database Management Systems	Yes	Software Testing Methodologies	Yes
Database Management Systems lab	Yes	Software Testing Methodologies Lab	Yes
		Computer Networks	Yes
		Web Technologies	Yes
		Computer Networks/Web technologies Lab	Yes

IV-YEAR	
Subject Name	Status (Y/ N)
Cryptography and Network Security	Yes
Cryptography and Network Security Lab	Yes
Data Mining	Yes
Cloud Computing	Yes
Software Process and Project Management	Yes
Human Computer and Interaction	Yes

Review Date	Seminar Batches		Faculty In Charge
	A Section		I HARISHA
	B Section		Y SHIVA SREE
	C Section		B HARSHAVARDHAN
	D Section		A DIVYA SREE

Monitoring the Evaluation Process of Mini Projects

Review Date	Seminar Batches		Faculty In Charge
	A Section		I HARISHA, B HARSHAVARDHAN
	B Section		A LAXMANA, Y SHIVA SREE
	C Section		K RENUKA, A SWETHA
	D Section		A DIVYA SREE, T PRIYANKA

Monitoring the Evaluation Process of Major Projects

Review Date	Seminar Batches		Faculty In Charge
	A Section		K BHARGAVI, A SWETHA
	B Section		G TEJASWINI, A M ASHIKA
	C Section		A DIVYA SREE, P RATNA TEJASWI
	D Section		C ARCHANA, K RAJA VARDHAN

Comments of the Auditor

Observations

the department ensures that academic projects are evaluated in accordance with guidelines issued by JNTUH & institution, maintaining a standardized & quality evaluation process
achieving a placement rate above 50% in the current academic year reflects the departments success with valuable career opportunities

Weakness/Scope of the Improvement

improving ICT facilities in classroom is essential to enhance the teaching-learning experience & incorporate technological advances into the curriculum
exploring & implementing inter departmental Projects can provide students with diverse learning experience & fastal collaboration across disciplines

Actions Suggested

Name of the Auditor	Dr. S SATYANARAYANA → Malla Reddy University
Designation:	Professor - A2M
Department:	Computer Science and Engineering.
Signature:	
Date:	