G. Pullaiah College Engineering and Technology: Kurnool
Proforma for Internal Academic Audit
Academic Year: 2022-2023
Semester:

Part – A: General Information

1. Name of the department: MANAGEMENT STUDIES

2. Year of establishment: 2009

3. Programmes offered: 01

   3.1 UG Programmes:

   3.2 PG Programmes: Master of Business Administration

4. Accreditation Status:

5. Details of the Faculty:

S.No	Name	Qualification	Designation	Specialization	Experience
1	Dr. M. Giridhar Kumar	MBA,Ph.D	Professor & Head	HRM	23
2	Dr. H S. Abzal Basha	MBA., Ph.D., LLB.	Asst. Prof	HRM	12
3	Dr. C. Naga Ganesh	MBA.,M.PSy., Ph.D	Asst. Prof	HRM	14
4	M. Yellaiah Naidu	MBA, M.Com, (Ph.D)	Asst. Prof	FM	13
5	Ruhi Afreen	MBA, (Ph.D)	Asst. Prof	FM	07
6	N Rajitha	MBA, (Ph.D)	Asst. Prof	HRM	07
7	M Maddulety	MBA	Asst. Prof	MM	08
8	LVV Nagaraju	MBA	Asst. Prof	MM	06

6. Details of non-teaching staff:

S.No	Name	Qualification	Designation
1	K John	SSC	Attender

7. Admission Status:

   a. No. of students admitted:

Programme	Academic Year 2022-23	
	Sanctioned	Admitted
UG (Specialization)		
PG (Specialization)	60	59

8. Budget Allocation and Utilization during the year:

Academic Year	Total Budget Allocated		Total Budget Utilized		Remarks
	Non-Recurring	Recurring	Non-Recurring	Recurring	
2022-23					

9. Physical Resources Available:
   a. Number of classrooms: 02
   b. Number of faculty rooms: 02
   c. Number of staff rooms: 02
   d. Available ICT tools in classrooms: 02
   e. Laboratories: 01

S.No	Name of the Laboratory	Total Cost of Equipment (Non-consumable)
1	Business Communication	
2	Data Science Lab	
3	Data Analytics Lab	

   f. Department Library: 01
      Number of Titles: 21
      Number of Volumes: 120
      Number of Theses
      Number of CDs, CBTs, etc:

Part - B

1. Curriculum:
   a. Is the Curriculum updated (Yes / No) :   Yes

   b. If 'Yes", mention the changes made in detail and the reasons for the same:
      Department has been updated the curriculum of MBA based on the changing needs and demands of industry and ongoing trends. Changes has done on the advices of BOS Members like; Industry Experts, Academicians, Parents and Alumni.
   c. Details of value addition courses, if any:
      Value added Courses like; Digital Marketing, MOOCs and Internship has been added.
   d. Are the changes made in tune with the feedback of the employers/ industrial experts / academicians / parents / alumni? (Provide the surveys as an attachment):

2. Teaching and Learning Process:
   a. Student to Teacher Ratio (STR):

	Academic year 2022-23
Sanctioned intake (UG) N1	
Sanctioned intake (lateral entry) (UG) N2	
Sanctioned intake (PG1) N3	60
Sanctioned intake (PG2) N4	60
Total number of students N1+N2+N3+N4	120
Total number of faculty (excluding first year)	08
STR	15:1

b. Percentage of faculty using ICT for effective teaching and learning mechanism:

No. of faculty on roll	Number of faculty using ICT tools	Available ICT tools and resources	Number of ICT enabled rooms	E-resources and techniques used
08	06	Projectors Youtube Videos Microsoft Teams Google Classroom Kahoot Poll Everywhere	02	Projectors Youtube Videos Microsoft Teams Google Classroom Kahoot Poll Everywhere

c. Students academic performance (outgoing batch result analysis):

Number of students appeared	Number of students passed in distinction	Number of students passed in first class	Number of students passed in second class	Number of students passed in pass class

d. Innovative processes adopted in teaching-learning process:

e. Status of student mentoring system and action taken:

f. Achievements and Recognitions of students:

g. Details of scholarships/financial support by various organizations:

Name of the organization	Name of the scheme	Number of students	Amount

h. Students participation in various co-curricular and extra-curricular activities (seminars, conferences, workshops, industrial tours, training sessions, sports, etc)

i. Status of remedial classes for slow learners and GATE/CAT, etc classes for advanced learners:

j. Are the faculty members maintaining the course files? (course file shall consists of class time-table copy, syllabus copy along with outcomes, lesson plan, sessional and end examination question papers, assignment, quiz, sessional marks, result analysis, CO attainment, mapping of CO and PO, class notes, hard copies PPTs)

k. Company wise details of the students placed (on-campus and off-campus) and details of the students qualified in various competitive examination (attach proofs)

l. Details about the number of students undergone for summer internship/internship and certification courses:

m. CO and PO attainment:

n. Best projects/Industry projects:

o. Content beyond the curriculum:

p. Whether the employers, alumni and program exit surveys are considered for the attainment calculations or not? If yes, attach proofs

q. Whether the Student Satisfactory Survey is conducted or not? If yes, attach proofs

3. Faculty Research and Innovation:

a. Details of the faculty information:

S.No	Name of the Faculty	Designation	Total number of publications in journals and conferences	ORCID number	Scopus Id	h-index
1	Dr. M. Giridhar Kumar	Professor & Head				
2	Dr. H S. Abzal Basha	Asst. Prof		0000-0002-7731-0985		
3	Dr. C. Naga Ganesh	Asst. Prof				
4	M. Yellaiah Naidu	Asst. Prof		0000-0001-7576-5022		
5	Ruhi Afreen	Asst. Prof				
6	N Rajitha	Asst. Prof				
7	M Maddulety	Asst. Prof				
8	LVV Nagaraju	Asst. Prof				

b. Details of research proposals submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the Faculty	Title of the Project	Sponsoring Agency	Cost of the Project	Year of Sanctioned	Status
1	Dr. H S Abzal Basha	DST-NIMAT EAC	NSTEDB	40,000	2019-2020	Completed
2	Dr. H S Abzal Basha	AICTE SPICES	AICTE	1,00,000	2022-2023	Sanctioned
3	Dr. H S Abzal Basha	Major/Minor Projects	ICSSR	1425000	2022-2023	Submitted
4	Dr. H S Abzal Basha	Strengthening, Upscaling & Nurturing Innovations for Livelihood (SUNIL)	DST	7000000	2022-2023	Submitted

c. Details of in-house projects submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Cost of the project	Year of sanctioned	Status

d. Major addition to the infrastructure of the department through project funding (List the equipments/ facilities and costs) :

S.No.	Equipment	2022-23 (Cost in Rs.)

e. Details of the publications in various journals during 2022-23:

S.No.	Details of the Publication	indexing	Impact factor	Amount claimed as an Incentive
1	"Role of Business Incubators in Promoting Entrepreneurship" submitted on January 5th, 2023 to Ramanujan International Journal of Business and Research			
2	"A Study on the Role of Social Media Networks in India" submitted on 25th December 2022 to International Journal of Computer Engineering In Research Trends			

f. Details of the publications in various conferences during 2022-2023:

S.No.	Details of the Publication	Indexing, if any	Amount claimed as an Incentive
1			

g. Details of the faculty who attended Workshops/STTPs/FDPs:

S.No	Name of the faculty	Name of the workshop/STTP/FDP	Duration	Organized by	Amount claimed towards TA, DA and registration fee
1	Dr. H S. Abzal Basha	FDP on "Familiarization Sessions On Filing IP in Real-Time" (Sep 03 – Oct 01, 2022)	4 Weeks	Mohan Babu University, Tirupathi	NA
2	Dr. H S. Abzal Basha	IFDP on Quality of Teaching in Higher Educational Institutions	5 Days	SRM Group of Educational Institution	NA
3	Dr. H S. Abzal Basha	MoE's IIC Regional Meet On 12th August, 2022	1 Day	Sreenidhi Institute of Science & Technology, Hyderabad	2000

h. Details of the faculty who organized Conferences/Workshops/STTPs/FDPs:

S.No.	Name of the Faculty	Name of the Conference	Duration	No. of Participants

5

i.   Details of books/book chapters authored by the faculty:

j.   Details of Patents published/awarded and product development, if any:

k.   Details of fabricated projects, if any that leads to product development in future:

l.   Details of revenue generated through consultancy:

m.   Details of faculty interaction with outside world (industry/research centres/ educational institutions, etc):

n.   Details of faculty awards/recognition:

o.   Preparation of e-learning materials (SWAYAM, MOOCs, NMEICT, etc):

p.   Number of guest lectures delivered / acted as reviewer or editorial committee member or resource person, etc.

q.   Number of faculty who completed certification courses:

4. Other Information:

a.   Are the minutes of the meeting of the
Departmental Committee maintained   : YES / NO

b.   Number of MoUs / collaborations signed with organization/institution:

c.   How many National/ International acclaimed experts visited the department (Date, Name of the Expert, Designation, Organization and Purpose):

d.   Details of new facilities added during 2022-23:

e.   Details of newsletters / magazines etc published:

f.   Future plans of the department:

5. SWOC Analysis:

a.   Strengths:

b.   Weakness:

c.   Opportunities:

d.   Challenges:

6. Suggestions / Recommendations of the Committee:

Signature of the HoD with date

Signature of audit Member – 1

Designation: Professor

Address: GPCET, KNL

Mobile Number: 9045137227

E-Mail: drsandipece@gpcet.ac.in

Signature of audit Member – 2

Designation: Professor

Address: GPCET

Mobile Number: 7660916753

E-Mail: drmallikarjunareddy@gpcet.ac.in

Proforma for Internal Academic Audit
Academic Year: 2022-2023
Semester:
Part – A: General Information

1. Name of the department : Humanities and Sciences

2. Year of establishment : 2007

3. Programmes offered :

   3.1 UG Programmes : CE, EEE, ME, ECE, CSE, CAI, CSO, CSM. CSD

   3.2 PG Programmes :

4. Accreditation Status :

5. Details of the Faculty:

S.No	Name	Qualification	Designation	Specialization	Experience
1	Dr. M.Giridhar Kumar	Ph.D	Professor & Dean Administration	Business Adminstration	22
2	G.Sashi Kumar	M.A	Professor & Dean Student Affairs	English	33
3	Dr. T.Syeda Jeelani Basri	Ph.D	Sr. Asst.Professor	Chemistry	15
4	Dr. J.Mamatha	Ph.D	Associate Professor	Chemistry	17
5	Dr. T.Sujatha	Ph.D	Sr. Asst.Professor	English	15
6	B.Suneetha	M Sc.,(Ph.D)	Sr. Asst.Professor and HOD-H&S	Physics	19
7	Md. Faruk	M.P.Ed	Physical Education	Physical Education	26
8	M.Sridevi	M.A (Ph.D)	Sr. Asst.Professor	English	17
9	S.Loka Raghavendra	M.Sc. B.Ed	Assistant Professor	Physics	15
10	M.Ravi	M.Sc	Assistant Professor	Chemistry	10
11	B.Lavanya	M.Sc. B.Ed	Assistant Professor	Physics	09
12	N.Janaki	M.Sc. B.Ed	Assistant Professor	Mathematics	17

13	P.Malathi	M.Sc. B.Ed	Assistant Professor	Chemistry	11
14	M.Yellaiah Naidu	M.B.A	Assistant Professor	Business Adminstration	13
15	E.Swarna Gowri	M.Sc. B.Ed	Assistant Professor	Chemistry	07
16	S.N.Chandrika	M.Sc. B.Ed	Assistant Professor	Mathematics	05
17	Syeda Ayesha Jahan	M.A., B.Ed	Assistant Professor	English	05
18	K.Vijaya Bhaskar	M.P.Ed	Assistant Professor	Physical Education	12
19	N.Rajitha	M.B.A	Assistant Professor	Business Adminstration	10
20	K.Santhosh Reddy	M.A	Assistant Professor	English	03
21	Dr. C.Naga Ganesh	Ph.D	Assistant Professor	Business Adminstration	14
22	C.Venkateswaramma	M.Sc. B.Ed	Assistant Professor	Mathematics	05
23	C.Manasa	M.A	Assistant Professor	English	01
24	G.Ramakrishna	M.Sc.,(Ph.D)	Assistant Professor	Mathematics	17
25	A.G.Gopinath	M.Sc. B.Ed	Assistant Professor	Mathematics	20
26	Dr. X.Maithili Kiranmai	Ph.D	Assistant Professor	Mathematics	09

6. Details of non-teaching staff:

S.No	Name	Qualification	Designation
1	G.Venkateswarlu	MCA	Lab Programmer
2	B.Anuradha	X Class	Attender

7. Admission Status:

a. No. of students admitted:

Programme	Academic year 2022-23	
	Sanctioned	Admitted
UG (Specialization)	840	660
PG (Specialization)	---	---

8. Budget Allocation and Utilization during the year:

Academic Year	Total Budget Allocated		Total Budget Utilized		Remarks
	Non-Recurring	Recurring	Non-Recurring	Recurring	
2022-23	50,000	---	43637	---	---

9. Physical Resources Available:
   a. Number of classrooms: 08
   b. Number of faculty rooms:01
   c. Number of staff rooms: Nil
   d. Available ICT tools in classrooms: Nil
   e. Laboratories:

S.No	Name of the Laboratory	Total Cost of Equipment (Non-consumable)
1	Engineering Physics/ Applied Physics	3,31,021
2	Engineering Chemistry/ Chemistry	2,90,192
3	Communicative English	7,50,000
4	Computer Programming	15,00,000

   f. Department Library:
      Number of Titles: 29
      Number of Volumes: 156
      Number of Theses - Nil
      Number of CDs, CBTs, etc:

Part - B

1. **Curriculum:**
   a. Is the Curriculum updated (Yes / No)   : No

   b. If 'Yes', mention the changes made in detail and the reasons for the same:

   c. Details of value addition courses : **Basic Learning Course(British Council: English Strokes)**

   d. Are the changes made in tune with the feedback of the employers/ industrial experts / academicians / parents / alumni? (Provide the surveys as an attachment):
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2. **Teaching and Learning Process:**
   a. Student to Teacher Ratio (STR):

	Academic year 2022-23
Sanctioned intake (UG) N1	840
Sanctioned intake (lateral entry) (UG) N2	---
Sanctioned intake (PG1) N3	---
Total number of students N1+N2+N3	840
Total number of faculty	26
Student Faculty Ratio	32

b. Percentage of faculty using ICT for effective teaching and learning mechanism:

No. of faculty on roll	Number of faculty using ICT tools	Available ICT tools and resources	Number of ICT enabled rooms	e-resources and techniques used
26	10	Two Projectors	Nil	NPTEL

c. Students academic performance (outgoing batch result analysis):

Number of students appeared 2022 Passed Out	Number of students passed in distinction	Number of students passed in first class	Number of students passed in second class	Number of students passed in pass class
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d. Innovative processes adopted in teaching-learning process: DO IT YOURSELF ACTIVITY- PROJECT EXPO

e. Status of student mentoring system and action taken: Continuous Mentoring

f. Achievements and Recognitions of students: -----

g. Details of scholarships/financial support by various organizations:

Name of the organization	Name of the scheme	Number of students	Amount
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h. Students participation in various co-curricular and extra-curricular activities (seminars, conferences, workshops, industrial tours, training sessions, sports, etc) Nil

i. Status of remedial classes for slow learners and GATE/CAT, etc classes for advanced learners: **I Mid examinations were completed on 07-01-2023. We are planning to conduct remedial classes after 16-01-2022,**

j. Are the faculty members maintaining the course files? (course file shall consists of class time-table copy, syllabus copy along with outcomes, lesson plan, sessional and end examination question papers, assignment, quiz, sessional marks, result analysis, CO attainment, mapping of CO and PO, class notes, hard copies PPTs) : **YES**

k. Company wise details of the students placed (on-campus and off-campus) and details of the students qualified in various competitive examination (attach proofs)

l. Details about the number of students undergone for summer internship/internship and certification courses:

m. CO and PO attainment: **YES**

n. Best projects/Industry projects: -----

o. Content beyond the curriculum:

p. Whether the employers, alumni and program exit surveys are considered for the attainment calculations or not? If yes, attach proofs

q. Whether the Student Satisfactory Survey is conducted or not? If yes, attach proofs

3. Faculty Research and Innovation:

a. Details of the faculty information:

S.No	Name of the Faculty	Designation	Total number of publications in journals and conferences	ORCID number	Scopus Id	h-index
1	Dr.M.Gridhar Kumar	Professor and Dean Admin	10			
2	G.Sashi Kumar	Professor and Dean Student Affairs	3			
3	B.Suneetha	Sr. Asst.Professor & HOD	6	0000-0002-0625-7371	57196420332	1*
4	M. Sridevi	Asst. Professor	3			
5	Dr.T,Syeda Jeelani Basri	Sr. Asst. Professor	13			
6	Dr.C.Naga Ganesh	Asst.Professor and Dean Outreeach	12			

S.No	Name	Designation		ORCID		
7	M.Yellaiah Naidu	Assistant Professor	19			
8	N.Rajitha	Assistant Professor	8			
9	G.Ramakrishna	Asst Professor	1	00000-0002-6365-6643		
10	K Maithili Kiranmai	Asst.Profess or	3			
11	S.Loka Raghavendra	Asst.Profess or	1			
12	M. Ravi	Asst Professor	1			
13	Syeda Ayesha jahan	Asst Professor	1			

b. Details of research proposals submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Sponsoring Agency	Cost of the project	Year of sanctioned	Status
1	B.Suneetha	Technology support center to promote ecologically sustainable. Livelihoods of SC community in Kurnool District , Andhra Pradesh	DST	5,68,35,100	Submitted	Under Process
2	B.Suneetha	Optical CharactrerizaTtion of Rare Earth Ions doped Cadmium Lead Fluoro Phosphate glasses for LASERS and Optical Fiber Applications	SERB-POWER	28,74,000	Submitted	Under Process
3	Dr. T.Syeda Jeelani Basri	Technical and Innovative Fast Charging Materials for High Energy Storage Appliances	DST - AMEST	2,60,00,000	Submitted	Under Process

c. Details of in-house projects submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Cost of the project	Year of sanctioned	Status
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d. Major addition to the infrastructure of the department through project funding (List the equipments/ facilities and costs) :

S.No.	Equipment	2022-23 (Cost in Rs.)
	-----	-----

e. Details of the publications in various journals during 2022-23:

S.No.	Name of the Faculty	Details of the Publication	Whether Scopus or not	Whether First Author/Second Author/Third Author
1	Syeda Ayesha Jahan	Language Learning ESL with Literature is No more Drudgery, International Journal For Multidisciplinary Research, Volume4, Issue 6(2022)	UGC Approved	First Author
2	Dr. P.Divya Vani	Cloud-Based Solar Panel Cleaning System using Texas Instruments (2022), International Conference on Computer science, Engineering and Applications	Scopus	Third Author
3	G.Ramakrishna	Nanofluid Boundary Layer analysis in the presence of Magnetic Lines of Forece Being Fixed Relatively to the plate and the Water - based Nanofluid Containing Copper Aluminum Trioxide, and Silicon Dioxide Nanoparticles	Scopus	First Author

f. Details of the publications in various conferences during 2022-2023;

S.No.	Details of the Publication	Whether indexed in Scopus or not	Whether First Author/Second Author/Third Author
	------	----	-------

g. Details of the faculty who attended Workshops/STTPs/FDPs:

S.No.	Name of the faculty	Name of the workshop/STTP/FDP	Duration	Organized by	Online/Offline
1	C.Venkateswaramma	Recent Research Area and its applications in mathematics	6 days	Vel Tech Multi Tech engineering college	Online
2	C.Venkateswaramma	Current Trends in Applications of Mathematics	14 days	Vel Tech Multi Tech engineering college	Online
3	S.N. Chandrika	Webinar on Research Funding & International Coopertion	1 day	ICFAI university	Online
4	S.N. Chandrika	International Seminar on Indian Mathematics&their contributions	1 day	Central University of Karnataka	Online
5	S.N. Chandrika	Recent Research Area and its applications in mathematics	6 days	Vel Tech Multi Tech engineering college	Online
6	S.N. Chandrika	Current Trends in Applications of Mathematics	14 days	Vel Tech Multi Tech engineering college	Online
7	B.Suneetha	Nano materials for Sustainable Future	5 days	GMR Institue of Tehnology, Vizianagaram	Online
8	S.Loka Raghavendra	Nano materials for Sustainable Future	5 days	GMR Institue of Tehnology, Vizianagaram	Online
9	B.Lavanya	Nano materials for Sustainable Future	5 days	GMR Institue of Tehnology, 10Vizianagaram	Online
10	B.Suneetha	International Workshop	2 days	G.Pulla reddy	Online

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		on Advances in Materials and Future Scenario		Engineering College Kurnool	
11	S.Loka Raghavendra	International Workshop on Advances in Materials and Future Scenario	2 days	G.Pulla reddy Engineering College Kurnool	Online
12	B.Lavanya	International Workshop on Advances in Materials and Future Scenario	2 days	G.Pulla reddy Engineering College Kurnool	Online
13	DR K Maithili Kiranmai	Effective Pedagogy For Science	5 days	JMJ College For women (AUTONOMUS) Tenali	Online
14	Dr K Maithili Kiranmai	Current Trends in Applications of Mathematics	14 days	Vel Tech Multi Tech engineering college	Online
15	Dr.Naga Ganesh	Academic Research Writing"	7 days	Teaching Learning Centre, Ramanujan College University of Delhi	Online
16	N.Rajitha	Quality of Teaching in Higher Educational Institutions	5 days	Easwari Engneeing College,Chennai	Online
17	N.Rajitha	Statistics for business Research & SPSS Applications	7 days	NIT,Warangal	Online
18	M.Y.Naidu	Statistics for business Research & SPSS Applications	8 days	NIT,Warangal	Online

h. Details of the faculty who organized Conferences/Workshops/STTPs/FDPs:

S.No.	Name of the faculty	Name of the conference	Duration	No. of participants
		-		

i. Details of books/book chapters authored by the faculty:
   1. Dr. M.Giridhar Kumar, Professor and Dean Adminstration Published a book on " Entrepreneurship Development"

j. Details of Patents published/awarded and product development

Three Patents have been published. The details of the patents are as follows

1. Invention Title   : ENHANCED POLYPHENOL CONTENT IN
                                COCOA COMPONENTS, EDIBLE PRODUCTS
    Inventor   :Dr T. Syeda Jeelani Basri
2. Invention Title   : LAW OF CONSERVATION OF MOMENTUM
                                PRESENTATION TEACHING DEVICE AND
                                SYSTEM
    Inventors   : Mrs. B.Suneetha, Mr. G.Sashi Kumar,
                                Mrs.N.Janaki, Mrs. B.Lavanya, &
                                Mr. S Loka Raghavendra

3. Invention Title   : SCHEME FOR PROMOTING INTEREST,
                                CREATIVITY & ETHICS AMONG
                                STUDENTS(SPICES)
    Inventors: : Dr.M.Giridhar Kumar, Dr.C.Naga
                                Ganesh,M.Y.Naidu,N.Rajitha

a. Details of fabricated projects, if any that leads to product development in
    future:

b. Details of revenue generated through consultancy: Nil

c. Details of faculty interaction with outside world (industry/research
    centers/ educational institutions, etc): ---

d. Details of faculty awards/recognition:

**Mrs. N.Janaki, Assistant of Mathematics received Best
Faculty Award in National Mathematics Awards on 22nd
December 2022.**

e. Preparation of e-learning materials (SWAYAM, MOOCs, NMEICT, etc):

f. Number of guest lectures delivered / acted as reviewer or editorial
    committee member or resource person, etc.

g. Number of faculty who completed certification courses: 01

k. Other Information:

a. Are the minutes of the meeting of the
Departmental Committee maintained : YES

b. Number of MoUs signed with institution : 01

c. How many National/ International acclaimed experts visited the
department (Date, Name of the Expert, Designation, Organization and
Purpose): Nil

d. Details of new facilities added during 2022-23: A Glass Board has been
placed in room no: 410.

e. Details of newsletters / magazines etc published: /
Newsletter of the department for the year 2022 is published

f. Future plans of the department:

1. Focus on increase in number of Publications in reputed
journals

2. Encourage faculty to pursue certification courses

l. SWOC Analysis:

a. Strengths : Retention of faculty
Experienced Senior faculty
Dedicated and committed faculty

b. Weakness : Lack of Research Publications

c. Opportunities : Enhanced Learning

d. Challenges : Facilities to pursue Research

m. Suggestions / Recommendations of the Committee:

→ Increase publications in Scopus/SCI Journal.
→ Junior level faculty may be encouraged
→ So maintain SFR to pursue Ph.D

B. Scope
Signature of the HoD with date
10/01/20

KT Swamy 10/1/23.
Signature of audit Member – 1

11/01/2023
Signature of audit Member – 2

Designation: Associate professor.

Designation: Associate Professor

Address: Dept .of ECE, G.Pullaiah College of Engg & Tech.

Address: Dept of CIV; GPCET; Kur

Mobile Number: 9441916502

Mobile Number: 9885681573

e-mail: ketswamyece@gpcet.ac.in.

e-mail: afzalcivil@gpcet.ac.in

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ACADEMIC YEAR

2022-2023

G.Pullaiah College Engineering and Technology:: Kurnool
Proforma for Internal Academic Audit
Academic Year: 2022-2023
Part – A: General Information

1. Name of the department: Civil Engineering

2. Year of establishment: 2011

3. Programs offered: B.Tech

    3.1 UG Programmes: CE

    3.2 PG Programmes: -

4. Accreditation Status: Accredited with NAAC 'A' grade

5. Details of the Faculty:

6. Details of non-teaching staff:

S.No	Name	Qualification	Designation	Specialization	Experience
1	Dr.S Vinay Babu	M.Tech,Phd	Professor	Structural Engg	15
2	S Afzal Basha	ME	Senior Assistant Professor	Structural Engg	21
3	S Akhil Tej	M.Tech	Assistant Professor	Transportation Engg	8
4	C G Mohan Babu	M.Tech	Assistant Professor	Structural Engg	6
5	C Thejaswini Veena	M.Tech	Assistant Professor	Structural Engg	7
6	A Vinod Kumar	M.Tech	Assistant Professor	Structural Engg	5
7	C Bala Hussainy	M.Tech	Assistant Professor	Geotechnical Engg	2
8	N G Kalyani	M.Tech	Assistant Professor	Geo-Informatics	3

S.No	Name	Qualification	Designation
1	P Suresh Babu	ITI Civil	Lab Technician
2	M Raghavendra	ITI Civil	Lab Technician

7. Admission Status:
   a. No. of students admitted:

Programme	Academic year 2022-23	
	Sanctioned	Admitted
UG (Specialization)	60	23
PG (Specialization)	-	-

8. Budget Allocation and Utilization during the year:

Academic Year	Total Budget Allocated		Total Budget Utilized		Remarks
	Non-Recurring	Recurring	Non-Recurring	Recurring	
2022-23	0	254000	0	248070	

9. Physical Resources Available:
   a. Number of classrooms: 3
   b. Number of faculty rooms: 1
   c. Number of staff rooms: 1
   d. Available ICT tools in classrooms: 1
   e. Laboratories:

S.No	Name of the Laboratory	Total Cost of Equipment (Non-consumable)
1	Surveying lab	369810
2	Strength of Materials lab	125215
3	Engineering Geology lab	93088
4	CAD lab	100000
5	Geotechnical Engineering lab	251346
6	Concrete Technology lab	661993
7	Environmental Engineering lab	162950
8	Transportation Engineering lab	661993

   f. Department Library:
      Number of Titles: 160
      Number of Volumes: 300
      Number of Theses: 210
      Number of CDs, CBTs, etc: ----

Part - B

1. **Curriculum:**
    a. Is the Curriculum updated (Yes / No)   : Yes
    b. If 'Yes", mention the changes made in detail and the reasons for the same:
       As the college has obtained Autonomous flexibility the curriculum was revised
    c. Details of value addition courses, if any:
       ----
    d. Are the changes made in tune with the feedback of the employers/ industrial
       experts / academicians / parents / alumni? (Provide the surveys as an attachment):
       Feedback from employers/academicians/parents has been collected

2. **Teaching and Learning Process:**
    a. Student to Teacher Ratio (STR):

	Academic year 2022-23
Sanctioned intake (UG) N1	60
Sanctioned intake (lateral entry) (UG) N2	7
Sanctioned intake (PG1) N3	-
Sanctioned intake (PG2) N4	-
Total number of students N1+N2+N3+N4	67
Total number of faculty (excluding first year)	8
STR	25

    b. Percentage of faculty using ICT for effective teaching and learning mechanism:

No. of faculty on roll	Number of faculty using ICT tools	Available ICT tools and resources	Number of ICT enabled rooms	e-resources and techniques used
9	8	Projector E-class room White board	2	2

    c. Students academic performance (outgoing batch result analysis):

Number of students appeared	Number of students passed in distinction	Number of students passed in first class	Number of students passed in second class	Number of students passed in pass class
59	35	14	3	

    d. Innovative processes adopted in teaching-learning process:

---

e. Status of student mentoring system and action taken:
   Regular mentoring is carried out and a mentor is assigned to every 20 students
f. Achievements and Recognitions of students:

   ----
g. Details of scholarships/financial support by various organizations:

Name of the organization	Name of the scheme	Number of students	Amount
----	----	----	-----

h. Students participation in various co-curricular and extra-curricular activities (seminars, conferences, workshops, industrial tours, training sessions, sports, etc)
   Good number of students have been permitted to participate in seminars, workshops and conferences organized within and outside the state
i. Status of remedial classes for slow learners and GATE/CAT, etc classes for advanced learners:
   Remedial classes have been arranged for weak students at the end of the first mid examinations
j. Are the faculty members maintaining the course files? (course file shall consists of class time-table copy, syllabus copy along with outcomes, lesson plan, sessional and end examination question papers, assignment, quiz, sessional marks, result analysis, CO attainment, mapping of CO and PO, class notes, hard copies PPTs)
   Every faculty maintains a course file which consists of class time-table copy, syllabus copy along with outcomes, lesson plan, sessional and end examination question papers, assignment, quiz, sessional marks, result analysis, CO attainment, mapping of CO and PO, class notes, hard copies PPTs
k. Company wise details of the students placed (on-campus and off-campus) and details of the students qualified in various competitive examination (attach proofs)
   The following are the students who have been selected in various companies during the Academic year 2022-23

S. No	Student Name	Roll number of the Candidate	Company Name
1	B Akhil Kumar Reddy	19AT1A0105	Cognizant
2	YERAMALA ANAND	19AT1A0107	Enlight CAD Engineering
3	P. CHAITANYA BABU	19AT1A0110	Surya Technologies

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S. No	Student Name	Roll number of the Candidate	Company Name
4	CHANDRIKA KUMARI	19AT1A0111	Enlight CAD Engineering
5	K.DHANUNJAYA	19AT1A0112	Surya Technologies
6	SHAIK MOHAMMED FARAZ OSMAN	19AT1A0113	Enlight CAD Engineering
7	L.Y.HARAGOPAL RAO	19AT1A0114	Enlight CAD Engineering
8	AALA HARSHIT REDDY	19AT1A0116	Enlight CAD Engineering
9	M.JAHEER BASHA	19AT1A0119	Enlight CAD Engineering
10	EDIGA JYOTHI	19AT1A0120	Enlight CAD Engineering
11	KALUBURIGI MALLIKARJUNA	19AT1A0124	Surya Technologies
12	CH MUVVA CHENNA SAINATH	19AT1A0129	Surya Technologies
13	D.NAGALATHA	19AT1A0130	Enlight CAD Engineering
14	M. RAHMATHULLAH BAIG	19AT1A0135	Enlight CAD Engineering
15	V.RAJESH	19AT1A0136	Surya Technologies
16	PINJARI RIYAZ	19AT1A0137	Enlight CAD Engineering
17	SHAIK SHUAIB AHMED	19AT1A0142	Enlight CAD Engineering
18	M SRIKANTH	19AT1A0147	Enlight CAD Engineering
19	Y. SRIMAN	19AT1A0148	Enlight CAD Engineering
20	PERUGU VENU	19AT1A0156	Surya Technologies
21	RENTACHINTALA YASHWANTH SHARMA	19AT1A0158	Surya Technologies
22	B Akhil Kumar Reddy	19AT1A0105	Enlight CAD Engineering
23	KALUBURIGI	19AT1A0124	Enlight CAD Engineering

S. No	Student Name	Roll number of the Candidate	Company Name
	MALLIKARJUNA		
24	V.RAJESH	19AT1A0136	Enlight CAD Engineering
25	PERUGU VENU	19AT1A0156	Enlight CAD Engineering

1. Details about the number of students undergone for summer internship/internship and certification courses:

The following students have undergone the internships during the academic year 2022-23

S. NO	ROLL NUMBER	NAME OF THE STUDENT	TOPIC & COMPANY NAME
1	20AT1A0101	JADE NAGASAI	
2	20AT1A0102	VADDE BATHULA AKASH RAJU	
3	20AT1A0103	SHAIK AKASH SHAJIL	
4	20AT1A0104	MD.M.AMAN	
5	20AT1A0105	BIRI BIRI ANIL KUMAR	
6	20AT1A0106	KURUVA ANIL KUMAR	SURABHI ARCHITECTS AND ENGINEERS,
7	20AT1A0107	VETTI KADIRAPPA GARI ARCHANA	ADVANCES IN
8	20AT1A0108	KOKILA ASHERJOSEPH KUMAR	CONSTRUCTION AND
9	20AT1A0109	PULLEDDULA ASHOK ARYA	CONSTRUCTION
10	20AT1A0110	ULCHALA ASHOK	MATERIAL,
11	20AT1A0111	BORELLI CHANDUPRAKASH	KURNOOL
12	20AT1A0112	SANGEM CHENNAIAH	(01-08-22 to
13	20AT1A0113	T.CHIRANJEEVI	23-08-22)
14	20AT1A0114	BADVEL DASTAGIRI	
15	20AT1A0115	BELLAPU DEVIKA	

16	20AT1A0116	KADUMURI DHANALAKSHMI
17	20AT1A0117	KARNATI GURU PRASANTH REDDY
18	20AT1A0118	KUMATI HARIKA
19	20AT1A0119	EDIGI HARISH GOUD
20	20AT1A0120	K DHEERAJ KUMAR
21	20AT1A0121	S.HUSSAIN BASHA
22	20AT1A0122	DARLA INDU PRIYANKA
23	20AT1A0123	M.JYOTHIKA
24	20AT1A0126	VANKENDINNE LAKSHMI VENKATESH
25	20AT1A0127	BOGGULA MADHU
26	20AT1A0128	C.MADHU PAVAN
27	20AT1A0129	JAYA MAHESHWARA REDDY
28	20AT1A0130	P.MUKESH
29	20AT1A0131	KUMMARI MUKUNDA KRISHNA
30	20AT1A0132	Y.YESWANTH REDDY
31	20AT1A0133	GUJARATI NANDINI
32	20AT1A0134	SHAIK NASEEM TABASSUM
33	20AT1A0135	U.S.RAJ KUMAR
34	20AT1A0136	S.MD.RIZWAAN
35	20AT1A0138	ETUKURI SAI SRIYA
36	20AT1A0139	TUMMALASETTY SAI YAMINI
37	20AT1A0140	K.SAI MANITHA
38	20AT1A0141	MANDHADI SAILAJA YADAV
39	20AT1A0143	SHAIK SHAKEER
40	20AT1A0145	A.SHIVANI
41	20AT1A0146	P SRIYA

42	20AT1A0147	NOOLI SHREYA EVANGLIN
43	20AT1A0148	MASAPOGU SHYAM BABU
44	20AT1A0149	BOYA NALLABHOTHULA SREEDHAR
45	20AT1A0151	K.SRIKANTH
46	20AT1A0152	GALE BOYENA SUPRAJA
47	20AT1A0153	BOYA SUVARNA
48	20AT1A0154	BOYA VANI
49	20AT1A0155	EARAPOGU VANI
50	20AT1A0156	GOLLA VENKATA NAGA PAVAN
51	20AT1A0157	J.VENKATESH
52	20AT1A0158	KURUVA VENKATESWARLU
53	20AT1A0159	E.VISHNU VARDHAN GOUD
54	20AT1A0160	KADIRI VISHWA TEJA
55	21AT5A0101	BANDIKE SRAVANI
56	21AT5A0102	CHITKUR MANJUNATH
57	21AT5A0104	GAGGERA SIREESHA
58	21AT5A0105	GOLLA VEERABOINA SRIKANTH YADAV
59	21AT5A0106	GUNNA SREENIVAS
60	21AT5A0107	KANNA RAVI KUMAR
61	21AT5A0108	NALLAJANNA GARI BHARATHI
62	21AT5A0110	SANDYA SWETHA
63	21AT5A0111	SYED GHOUSE PEER
64	21AT5A0112	SYED SAHIL
65	21AT5A0113	TOLU JITENDRA

m. CO and PO attainment:

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Final attainment	2.03	2.02	1.97	2.46	2.39	2.36	2.27	2.44	2.38	1.75	2.05	1.95

n. Best projects/Industry projects:

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o. Content beyond the curriculum:

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p. Whether the employers, alumni and program exit surveys are considered for the attainment calculations or not? If yes, attach proofs

   Yes, the exit surveys are considered for the attainment calculations

q. Whether the Student Satisfactory Survey is conducted or not? If yes, attach proofs

   Yes, the Student Satisfactory Survey is conducted

3. Faculty Research and Innovation:

a. Details of the faculty information:

S.No	Name of the Faculty	Designation	Total number of publications in journals and conferences
1	Dr.S Vinay Babu	Professor	4
2	S Afzal Basha	Senior Assistant Professor	5
3	S Akhil Tej	Assistant Professor	3
4	C G Mohan Babu	Assistant Professor	3
5	C Thejaswini Veena	Assistant Professor	2
6	A Vinod Kumar	Assistant Professor	5
7	C Bala Hussainy	Assistant Professor	2
8	N G Kalyani	Assistant Professor	3

b. Details of research proposals submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Sponsoring Agency	Cost of the project	Year of sanctioned	Status
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c. Details of in-house projects submitted/sanctioned/ on-going/ completed by the faculty members:

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S.No	Name of the faculty	Title of the Project	Cost of the project	Year of sanctioned	Status
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d. Major addition to the infrastructure of the department through project funding (List the equipments/ facilities and costs) :

S.No.	Equipment	2022-23 (Cost in Rs.)
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e. Details of the publications in various journals during 2022-23:

S.No.	Details of the Publication	indexing	Impact factor	Amount claimed as an Incentive
1	Experimentation on Partial Replacement of Coarse Aggregates with Ceramic Tile Pieces in ConcreteJournal of Ceramics and Concrete Technology	Google Scholar	1.065	Rs 2500/-
2	Rice Husk Ash as Supplementary Cementitious MaterialJournal of Ceramics and Concrete Technology	UGC	5.6	Rs 2500/-
3	Plastic a Coarse-Aggregate in Concrete Journal of Ceramics and Concrete Sciences	Scopus	3.8	Rs 2500/-
4	Effect of Replacing Sand with Brick Aggregates in Self-Compacting Concrete	UGC, Google Scholar	5.326	Rs 2500/-
5	Design of Bi-axial column using VB-6.0 i-manager's Journal on Structural Engineering	UGC, Google Scholar	3.72	Rs 2500/-
6	Consequences of using GGBS and m-sand on the properties of high strength concrete i-manager's Journal on Civil Engineering	UGC, Google Scholar	5.326	Rs 2500/-

7	Quantifying Damage in Buildings Due to Earthquakes Advances in Civil and Structural Engineering	Web of index	3.57	Rs 2500/-
8	Effect of Pollutants on Permeability Characteristics of Soil International Research Journal of Engineering and Technology (IRJET)	Web of index	2.49	Rs 2500/-

f. Details of the publications in various conferences during 2022-2023:

S.No.	Details of the Publication	Indexing, if any	Amount claimed as an Incentive
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g. Details of the faculty who attended Workshops/STTPs/FDPs:

h. Details of the faculty who organized Conferences/Workshops/STTPs/FDPs:

S.No.	Name of the faculty	Name of the conference	Duration	No. of participants
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i. Details of books/book chapters authored by the faculty:

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j. Details of Patents published/awarded and product development, if any:

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k. Details of fabricated projects, if any that leads to product development in future:

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l. Details of revenue generated through consultancy:

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m. Details of faculty interaction with outside world (industry/research centres/ educational institutions, etc):

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n. Details of faculty awards/recognition:

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o. Preparation of e-learning materials (SWAYAM, MOOCs, NMEICT, etc):

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p. Number of guest lectures delivered / acted as reviewer or editorial committee member or resource person, etc.
The following is the list of the faculty who delivered the guest lectures in various academic institutions

S No	Name of the faculty	Topic of the Guest Lecture	Venue

1	Sri Syed Afzal Basha	Structural Engineering	Narasimha Reddy College of Engineering, Hyderabad
2	Sri S Vinay Babu	Concrete Technology	Dr K V Subba Reddy Institute of Technology, Dupadu, Kurnool
3	Sri Syed Afzal Basha	Structural Analysis	Brindavan Institute of Technology & Sciences, Kurnool
4	Sri C Bala Hussainy	Fundamentals of Geotechnical Engineering	Govt Engg College, Dahod

q. Number of faculty who completed certification courses:

S No	Name of the faculty	Coursera registered course	Grade
1	C Bala Hussiany	Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading	Successfully completed the course
2	Sakevalla Vinay Babu	Our Earth: Its Climate, History, and Processes	Successfully completed the course
3	K Anand Babu	Wood Science: Beyond Buildings	Successfully completed the course
4	S Akhil Tej	Mechanics of Materials IV: Deflections, Buckling, Combined Loading & Failure Theories	Successfully completed the course
5	Syed Afzal Basha	Introduction to Programming with MATLAB	Successfully completed the course
6	C Bala Hussiany	Mechanics of Materials III: Beam Bending	Successfully completed the course

4. Other Information:

a. Are the minutes of the meeting of the
Departmental Committee maintained : YES

b. Number of MoUs / collaborations signed with organization/institution:
....

c. How many National/ International acclaimed experts visited the department
(Date, Name of the Expert, Designation, Organization and Purpose):
....

d. Details of new facilities added during 2022-23:
....

e. Details of newsletters / magazines etc published: The department published the
newsletter "STHAPATYA" in academic year 2022-23

f. Future plans of the department:
To encourage the young faculty to register for Ph.D
To strengthen the mentoring system of the department
To invite National/ International experts to deliver guest
lectures

5. SWOC Analysis:

a. Strengths: Well experienced faculty, Good retention ratio,
Safe and secured environment for girl students

b. Weakness: Moderate placements in core companies, Less
number of students opting for higher studies

c. Opportunities: To arrange more number of FDPs and STTPs

d. Challenges: To focus on industrial training, To concentrate
on core placements

e. Suggestions / Recommendations of the Committee: To
motivate the students for pursuing higher education

Signature of the HoD with date 10/1/2023

Signature of audit Member – 1

Designation: Professor

Address: GPCET

Mobile Number: 7799696386

E-mail: deanstudentaffairs@gpcet.ac.in

Signature of audit Member – 2 10/1/23

Designation: Associate Professor

Address: GPCET

Mobile Number: 8309518794

E-mail: hodeee@gpcet.ac.in

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G.Pullaiah College Engineering and Technology :: Kurnool

Internal Academic Audit
Academic Year: 2022-23 I-Sem
Part – A: General Information

1. Name of the department   :   **Electrical& Electronics Engineering**

2. Year of establishment   :   2007

3. Programmes offered:
   3.1 UG Programmes   :   B.Tech-EEE

   3.2 PG Programmes   :   M.Tech-EPS

4. Accreditation Status   :   Accredited by NBA

5. Details of the Faculty:

S.No.	Name	Qualification	Designation	Area of Specialization	Experienc e
1	Dr. C Srinivasa Rao	Ph.D	Professor	Electrical Power Systems	20
2	Dr.G. PanduRanga Reddy	Ph.D	Assoc.Prof.&HoD	Control Systems	18
3	Dr. M Rama Prasad Reddy	Ph.D	Professor	Power Electronics and Drives	21
4	M.Venkateswarlu	Ph.D (Pursuing)	Sr.Asst.Prof.	Power & Industrial Drives	15
5	S.Sankara Prasad	Ph.D (Pursuing)	Asst.Prof.	Electrical Power Systems	10.5
6	M.Bhagya Lakshmi	M.Tech	Asst.Prof.	Electrical Power Systems	12
7	U Chaithanya	M.Tech	Asst.Prof.	Power Electronics and Drives	7.6
8	Y Hazarathaiah	Ph.D (Pursuing)	Asst.Prof.	Electrical Power Systems	16
9	A Suresh Kumar	Ph.D (Pursuing)	Asst.Prof.	Electrical Power Systems	13
10	K.Jayasree	M.Tech	Asst.Prof.	Electrical Power Systems	13
11	K.Deepak	Ph.D (Pursuing)	Asst.Prof.	Power Electronics & Drives	7

12	P.Siva Deepthi	M.Tech	Asst.Prof.	Power Electronics & Electrical Drives	10
13	V.Sowmya Sree	Ph.D (Pursuing)	Asst.Prof.	Power Electronics	7.5
14	Y.Indira Priya darshini	M.Tech	Asst.Prof.	Power Electronics	7
15	D Vannurappa	Ph.D (Pursuing)	Asst.Prof.	Electrical Power Systems	15
16	K.Venkateswaramma	M.Tech	Asst.Prof.	Power Electronics	3
17	E.Siva Kumar Goud	M.Tech	Asst.Prof.	Power Industrial Drives	2
18	T.Nishanth	M.Tech	Asst.Prof.	Power Electronics and Electrical Drives	2
19	D.Raziya	M.Tech	Asst.Prof.	Power Electronics	2
20	M.A.Nabi	Ph.D (Pursuing)	Asst.Prof.	Electrical Power Systems	14
21	A.Chandrasekhar Naidu	M.Tech	Asst.Prof.	Electrical Power Systems	2

6. Details of non-teaching staff:

S.No	Name	Qualification	Designation
1.	G Kedarnath	B.Tech	Technician
2.	D.Jaya Raj	Diploma	Technician

7. Admission Status:
   a. No. of students admitted:

Programme	Academic year 2022-2023	
	Sanctioned	Admitted
UG (Specialization)	60	46
PG (Specialization)	18	5

8. Budget Allocation and Utilization during the year:

Academic Year	Total Budget Allocated		Total Budget Utilized		Remarks
	Non-Recurring	Recurring	Non-Recurring	Recurring	
2022-23					

2

9. Physical Resources Available:
   a. Number of classrooms: 06
   b. Number of faculty rooms: 22
   c. Number of staff rooms:02
   d. Available ICT tools in classrooms: 03
   e. Laboratories: 07

S.No	Name of the Laboratory	Total Cost of Equipment (Non-consumable)
1	Electrical Machines	17,35,802
2	Networks Lab	90,700
3	Control systems	1,17,000
4	Power Electronics	9,65,879
5	Electrical Measurements	3,84,130
6	Electrical Machines and Power Systems Lab	2,80,210
7	PLC K1 T01-PLC TRAINING KITS	3,39,200
	Total Cost	39,12,921

f. Department Library:

   Number of Titles: 45

   Number of Volumes: 150

   Number of Theses: 02

   Number of CDs, CBTs, etc:

Part - B

1. **Curriculum:**
   a. Is the Curriculum updated (Yes / No)   : Yes

   b. If 'Yes", mention the changes made in detail and the reasons for the same:

   In R19 Regulations Subject "Renewable Energy Sources" is changed to "Energy Sources" in R20 Regulations

   c. Details of value addition courses, if any:

   d. Are the changes made in tune with the feedback of the employers/ industrial experts / academicians / parents / alumni? (Provide the surveys as an attachment):

3

2. Teaching and Learning Process:

a. Student to Teacher Ratio (STR):

Student to Teacher Ratio	Academic year 2022-23
Sanctioned intake (UG) N1	60
Sanctioned intake (lateral entry) (UG) N2 (10% of 1st B.Tech Approved Intake)	6
Sanctioned intake (PG1) N3	18
Total number of students [(N1+N2)X3]+(N3X2)	234
Total number of faculty (excluding first year)	21
STR	11.14

b. Percentage of faculty using ICT for effective teaching and learning mechanism:

No. of faculty on roll	Number of faculty using ICT tools	Available ICT tools and resources	Number of ICT enabled rooms	e-resources and techniques used
18	12	NPTEL videos Virtual Labs MATLAB	3	NPTEL videos e-journals (J-Gate, Delnet, Taylor & Francis) Flipped class rooms

c. Students academic performance (outgoing batch result analysis):

Number of students appeared	Number of students passed in distinction	Number of students passed in first class	Number of students passed in second class	Number of students passed in pass class
119	29	39	33	18

d. Innovative processes adopted in teaching-learning process:

i. Modern teaching methodologies like ICT based learning, flipped class rooms, virtual labs are being employed to create interest among the students.

ii. LCD projectors with necessary screens are consistently used in the class-room lecture delivery.

iii. Internet facility is provided to students for deeper inquiry into their subjects.

iv. The technologies are used even in the co-curricular activities during seminars, workshops etc. Every classroom is enabled with Wi-Fi connection for better learning.

v. Priority is given to learning through hands on experience where in the students are made to perform various experiments to understand the concept

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better. In order to do so, the experiments are also designed in such a manner so as to be aligned with the concepts being learned in the class.

vi. Continuous mentoring and guidance is provided to students through their research mentors to improve their knowledge in various subjects. The students are segregated into various research groups based on their interest.

vii. Regular remedial classes after the normal classes are being conducted for slow learners who are identified through various assessments.

viii. The students are also encouraged to take up NPTEL certifications to improve their domain knowledge.

ix. Regular assessment tests are also conducted to analyze the learning capabilities of students.

x. The website has been designed in such a manner where in all the data required by the student is made available. The lecture notes along with previous years question papers are also placed in the website for the benefit of students. Video lectures of the faculty on important topics are also placed in the website so that it enables the student to have an idea about the topic before he or she comes to the class.

xi. Apart from the above, the students are also trained on latest technological trends involving MATLAB in order to make them industry ready.

e. Status of student mentoring system and action taken:

Continues mentoring and guidance is provided to students through their research mentors to improve their knowledge in various subjects. The students are segregated into various research groups based on their interest.

Facilities being created for the above:

Research groups have been created in the departments. The various projects taken up by the students also relate to their research groups.

f. Achievements and Recognitions of students:

g. Details of scholarships/financial support by various organizations:

Name of the organization	Name of the scheme	Number of students	Amount
--	--	--	--

h. Students participation in various co-curricular and extra-curricular activities (seminars, conferences, workshops, industrial tours, training sessions, sports, etc)
Training sessions are being conducted for advanced learners on certification courses like Matlab & PLC Scada.

i. Status of remedial classes for slow learners and GATE/CAT, etc classes for advanced learners:
Regular remedial classes after the normal classes are being conducted for slow learners who are identified through various assessments.
GATE coaching is been given by the senior faculty in the department for advanced learners.

Advanced learners are also been given Training on Certification Courses like Matlab & PLC Scada..

j. Are the faculty members maintaining the course files? (course file shall consists of class time-table copy, syllabus copy along with outcomes, lesson plan, sessional and end examination question papers, assignment, quiz, sessional marks, result analysis, CO attainment, mapping of CO and PO, class notes, hard copies PPTs) All the faculties in the department are handling course files

k. Company wise details of the students placed (on-campus and off-campus) and details of the students qualified in various competitive examination (attach proofs)

GPCET EEE PLACEMENTS		
Batch 2019 - 2023		
S.No	Organization	No students placed
1	Manomay	1
2	DXC Technology	6
3	Hexaware	2
4	Cognizant GenC	5
5	Data Beats	1
6	HCL	14
7	Deloitte	1
8	Full Creative	1
9	TCS (Ninja)	8
10	Surya Tech Solutions	9
	Total	48

l. Details about the number of students undergone for summer internship/internship and certification courses:

m. CO and PO attainment:
Performed all CO-PO attainment

n. Best projects/Industry projects:
Content beyond the curriculum:

o. Content beyond the curriculum:
Yes

p. Whether the employers, alumni and program exit surveys are considered for the attainment calculations or not? If yes, attach proofs
Yes

q. Whether the Student Satisfactory Survey is conducted or not? If yes, attach proofs
NO

3. Faculty Research and Innovation:

a. Details of the faculty information:

b. Details of research proposals submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Sponsoring Agency	Cost of the project	Year of sanctioned	Status
1.	Dr.M.Rama Prasad Reddy	Modernization of Existing Power Systems & Simulation Lab for Research and Consultancy	MODROBS (AICTE)	19,52,978/-	2018	Sanctioned
2	Dr.M.Rama Prasad Reddy	Modernization of Electrical Machines Laboratory by using Variable Frequency Drives	MODROBS (AICTE)	10,96078/-	2019	Sanctioned

c. Details of in-house projects submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Cost of the project	Year of sanctioned	Status

d. Major addition to the infrastructure of the department through project funding (List the equipments/ facilities and costs) :

S.No.	Equipment	2022-23 (Cost in Rs.)
--	--	--

e. Details of the publications in various journals during 2022-23:

S.No	Name of the author/s	Title of paper	Name of journal/Conference	Volume (Issue), Page No.	Date of Publication	DOI	Doi/URL
1	Dr C Srinivasa Rao	A Review on Diminution of Power Quality Issues in a Microgrid Using Various Facts Devices	Journal of Electrical and Power System Engineering	Volume-8, Issue-3 (September-December, 2022)	Sep-22	e-ISSN: 2582-5712	www.matjournals.com
2	Dr C Srinivasa Rao	Performance Analysis of Distributed Power Flow Controller Employing Genetic-Based Fuzzy Logic Controller in Photovoltaic-Wind Hybrid System	A. Tomar et al. (eds.), Proceedings of 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication, Lecture Notes in Electrical Engineering 915	Published	Dec-22	Yes	https://doi.org/10.1007/978-981-19-2828-4_51
3	Dr C Srinivasa Rao	Mitigation of Power Quality Issues in Hybrid Solar-Wind Energy System using Distributed Power Flow Controller	2021 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)	978-1-6654-7849-6/21/$31.00 ©2021 IEEE	Jul-22	Yes	https://ieeexplore.ieee.org/xpl/conhome/9829529/proceeding
4	Dr C Srinivasa Rao	Distributed power flow controller based on fuzzy-logic controller for solar-wind energy hybrid system	International Journal of Power Electronics and Drive Systems (IJPEDS)	Vol. 13, No. 4, December 2022, pp. 2148~2158 ISSN: 2088-8694,	Dec-22	DOI: 10.11591/ijpeds.v13.i4.pp2148-2158	https://ijpeds.iaescore.com/index.php/IJPEDS

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5	Dr M Rama Prasad Reddy	Artificial Neural Network Associated Sliding Mode Control based Boost Converter for MPPT of PV System	2022 IEEE 1st Industrial Electronics Society Annual On-Line Conference (ONCON)	Accepted	Nov-22	Yes	https://ies-oncon.com/
6	Dr M Rama Prasad Reddy	Direct Torque Control of 5-Phase Induction Motor by using Two TS-Fuzzy Controllers	2022 IEEE 1st Industrial Electronics Society Annual On-Line Conference (ONCON)	Accepted	Nov-22	Yes	https://ies-oncon.com/
7	Dr M Rama Prasad Reddy	"Modified Grey Wolf Optimization Algorithm for PV Fed Water Pumping System Driven by Switched Reluctance Motor under Partial Shading Condition"	INTERNATIONAL CONFERENCE ON AUGMENTED INTELLIGENCE and SUSTAINABLE SYSTEMS (ICAISS 2022)	Accepted	Dec-22	Yes	http://www.icaiss.in/
8	Dr G pandu Ranga Reddy	Mitigation of Power Quality Issues in Hybrid Solar-Wind Energy System using Distributed Power Flow Controller	2021 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)	978-1-6654-7849-6/21/$31.00 ©2021 IEEE	Jul-22	Yes	https://ieeexplore.ieee.org/xpl/conhome/9829529/proceeding
9	Dr G pandu Ranga Reddy	Performance Analysis of ANFIS based Five level SAPF for Power Quality Improvement	2021 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE)	978-1-6654-7849-6/21/$31.00 ©2021 IEEE	Jul-22	Yes	https://ieeexplore.ieee.org/document/9829709
10	Dr G pandu Ranga Reddy	A Review on Diminution of Power Quality Issues in a Microgrid Using Various Facts Devices	Journal of Electrical and Power System Engineering	Volume-8, Issue-3 (September-December, 2022)	Sep-22	e-ISSN: 2582-5712	www.matjournals.com

11	Dr G pandu Ranga Reddy	Arduino Based Metal Detector for Military Security	Journal of Control and Instrumentation Engineering	Volume-8, Issue-2	May-August, 2022	e-ISSN: 2582-3000	www.matjournals.com
12	M Bhagya Lakshmi	Voltage and Frequency Control of a PV-Battery-Diesel Generator based Standalone Hybrid System	2022 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)	Accepted	Dec-22	Yes	https://pedes2022.com
13	M Bhagya Lakshmi	Novel Switched Capacitor Converters with Reduced Components for Step-up Multilevel Inverter Topology	Journal of Engineering Sciences	Vol 13 Issue 10,2022,	Oct-22	ISSN:03 77-9254	www.jespublication.com
14	M Bhagya Lakshmi	Solar Fed Cascaded Multilevel Inverter with Output Voltage Regulation	Journal of Engineering Sciences	Vol 13 Issue 10,2022,	Oct-22	ISSN:03 77-9254	www.jespublication.com
	A Suresh Kumar	Arduino Based Metal Detector for Military Security	Journal of Control and Instrumentation Engineering	Volume-8, Issue-2	May-August, 2022	e-ISSN: 2582-3000	www.matjournals.com
15	A Suresh Kumar	Performane Assessment of SMA Based MPPT Controller for PV System Considering Random PSC	International Conference on Smart Systems and Green energy Technologies (ICSGET 2022), organized by the Department of Electrical and Electronics Engineering, Vardhaman College of Engineering, Shamshabad, Hyderabad, INDIA)	Accepted	21-22 October 2022,	Yes	https://easychair.org/cfp/ICSGET2022

16	A Suresh Kumar	Performance Evaluation of Spider Web Tie (S-B-T) PV Panel Configuration to Reduce PV Mismatch Losses	Mathematical Modelling of Engineering Problems	Accepted (ISSN 2369-0739)	Nov-22	ISSN 2369-0739	(www.iieta.org)
17	A Suresh Kumar	Comparative Performance Evaluation of PV Configurations Under Various Shaded Conditions	2022 International Virtual Conference on Power Engineering Computing and Control: Developments in Electric Vehicles and Energy Sector for Sustainable Future (PECCON)	INSPEC Accession Number: 21989963	Aug-22	DOI: 10.1109 /PECCON55017.2022.9850972	https://ieeexplore.ieee.org/document/9850972
18	Y Hazarat haiah	Takagi-Sugeno-Kang Fuzzy Controllers for Single Stage Grid Connected PV System	1st IEEE International Conference on Industrial Electronics: Developments & Applications	Accepted	15 – 16 October 2022	Yes	https://www.icidea2022.org/
19	Y Hazarat haiah	Novel Control of PV-Battery based Standalone Power Supply System with Neuro-Fuzzy Controller	2022 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)	Accepted	Dec-22	Yes	https://pedes2022.com
20	Y Hazarat haiah	"Modified Grey Wolf Optimization Algorithm for PV Fed Water Pumping System Driven by Switched Reluctance Motor under Partial Shading Condition"	INTERNATIONAL CONFERENCE ON AUGMENTED INTELLIGENCE and SUSTAINABLE SYSTEMS (ICAISS 2022)	Accepted	Dec-22	Yes	http://www.icaiss.in/

21	Y Hazarat haiah	Two TS-Fuzzy Controllers based Direct Torque Control of 5-Phase Induction Motor	6th International Conference on Electronics, Communication and Aerospace Technology ICECA 2022	Accepted	Dec-22	Yes	http://icoeca.org/2022/
22	U Chaitha nya	Novel Switched Capacitor Converters with Reduced Components for Step-up Multilevel Inverter Topology	Journal of Engineering Sciences	Vol 13 Issue 10,2022,	Oct-22	ISSN:03 77-9254	www.jespubl ication.com
23	U Chaitha nya	Solar Fed Cascaded Multilevel Inverter with Output Voltage Regulation	Journal of Engineering Sciences	Vol 13 Issue 10,2022,	Oct-22	ISSN:03 77-9254	www.jespubl ication.com
24	K Deepak	"Modified Grey Wolf Optimization Algorithm for PV Fed Water Pumping System Driven by Switched Reluctance Motor under Partial Shading Condition"	INTERNATION AL CONFERENCE ON AUGMENTED INTELLIGENCE and SUSTAINABLE SYSTEMS (ICAISS 2022)	Accepted	Dec-22	Yes	http://www.icaiss.in/
25	K Deepak	Artificial Neural Network Associated Sliding Mode Control based Boost-Converter for MPPT of PV System	2022 IEEE 1st Industrial Electronics Society Annual On-Line Conference (ONCON)	Accepted	Nov-22	Yes	https://ies-oncon.com/
26	K Deepak	Novel control of Standalone Photovoltaic (PV) based Multi Motor Driven Water Pumping System	2022 IEEE 1st Industrial Electronics Society Annual On-Line Conference (ONCON)	Accepted	Nov-22	Yes	https://ies-oncon.com/
27	K Deepak	Direct Torque Control of 5-Phase Induction Motor by using Two TS-Fuzzy Controllers	2022 IEEE 1st Industrial Electronics Society Annual On-Line Conference	Accepted	Nov-22	Yes	https://ies-oncon.com/

			(ONCON)				
28	K Deepak	Voltage and Frequency Control of a PV-Battery-Diesel Generator based Standalone Hybrid System	2022 IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)	Accepted	Dec-22	Yes	https://pedes2022.com
29	K Deepak	Power Quality Improvement of Standalone Microgrid during Faults on Distribution Line with DSTATCOM	INTERNATIONAL CONFERENCE ON AUGMENTED INTELLIGENCE and SUSTAINABLE SYSTEMS (ICAISS 2022)	Accepted	Dec-22	Yes	http://www.icaiss.in/
30	K Deepak	Two TS-Fuzzy Controllers based Direct Torque Control of 5-Phase Induction Motor	6th International Conference on Electronics, Communication and Aerospace Technology ICECA 2022	Accepted	Dec-22	Yes	http://icoeca.org/2022/
31	V Sowmya Sree	Performance Analysis of Distributed Power Flow Controller Employing Genetic-Based Fuzzy Logic Controller in Photovoltaic-Wind Hybrid System	A. Tomar et al. (eds.), Proceedings of 3rd International Conference on Machine Learning, Advances in Computing, Renewable Energy and Communication, Lecture Notes in Electrical Engineering 915	Published	Dec-22	Yes	https://doi.org/10.1007/978-981-19-2828-4_51

32	V Sowmya Sree	Mitigation of Power Quality Issues in Hybrid Solar-Wind Energy System using Distributed Power Flow Controller	2021 IEEE International Women in Engineering (WIE) Conference (WIECON-ECE)	978-1-6654-7849-6/21/$31.00 ©2021 IEEE	Jul-22	Yes	https://ieeexplore.ieee.org/xpl/conhome/9829529/proceeding
33	V Sowmya Sree	Distributed power flow controller based on fuzzy-logic controller for solar-wind energy hybrid system	International Journal of Power Electronics and Drive Systems (IJPEDS)	Vol. 13, No. 4, December 2022, pp. 2148~2158 ISSN: 2088-8694,	Dec-22	DOI: 10.11591/ijpeds.v13.i4.pp2148-2158	https://ijpeds.iaescore.com/index.php/IJPEDS
34	V Sowmya Sree	A Review on Diminution of Power Quality Issues in a Microgrid Using Various Facts Devices	Journal of Electrical and Power System Engineering	Volume-8, Issue-3 (September-December, 2022)	Sep-22	e-ISSN: 2582-5712	www.matjournals.com
35	V Sowmya Sree	Arduino Based Metal Detector for Military Security	Journal of Control and Instrumentation Engineering	Volume-8, Issue-2	May-August, 2022	e-ISSN: 2582-3000	www.matjournals.com
36	Y Indira Priya Darshini	Arduino Based Metal Detector for Military Security	Journal of Control and Instrumentation Engineering	Volume-8, Issue-2	May-August, 2022	e-ISSN: 2582-3000	www.matjournals.com
37	Y Indira Priya Darshini	Power Quality Improvement of Standalone Microgrid during Faults on Distribution Line with DSTATCOM	INTERNATIONAL CONFERENCE ON AUGMENTED INTELLIGENCE and SUSTAINABLE SYSTEMS (ICAISS 2022)	Accepted	Dec-22	Yes	http://www.icaiss.in/
38	D Vannurappa	Power Quality Improvement of Standalone Microgrid during Faults on Distribution Line with DSTATCOM	INTERNATIONAL CONFERENCE ON AUGMENTED INTELLIGENCE and	Accepted	Dec-22	Yes	http://www.icaiss.in/

			SUSTAINABLE SYSTEMS (ICAISS 2022)			

f. Details of the faculty who attended Workshops/STTPs/FDPs:

S.No.	Name of the faculty	Name of the workshop/STTP/FDP	Duration	Organized by	Amount claimed towards TA, DA and registration fee
1	Dr.C. Srinivasa Rao	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
2	Dr. M Rama Prasad Reddy	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
3	Dr. M Rama Prasad Reddy	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
4	Dr. M Rama Prasad Reddy	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
5	Dr. G. Pandu Ranga Reddy	Familiarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
6	Dr. G. Pandu Ranga Reddy	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
7	Dr. G. Pandu Ranga Reddy	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free

8	M.Venkateswarlu	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
9	M.Venkateswarlu	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
10	M.Venkateswarlu	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
11	S.Sankara Prasad	Microgrid: Issues, Challenges and its Mitagations	5 Days	National Institute of Technology, Uttarakhand	500
12	S.Sankara Prasad	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
13	S.Sankara Prasad	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
14	S.Sankara Prasad	Recent Advancement in Power Systems	one Week	Godavari Institute of Engineering and Technology	Free
15	S.Sankara Prasad	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
16	M.Bhagya Lakshmi	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
17	M.Bhagya Lakshmi	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000

18	M.Bhagya Lakshmi	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
19	U Chaithanya	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
20	U Chaithanya	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
21	U Chaithanya	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
22	Y Hazarathaiah	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
23	Y Hazarathaiah	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
24	Y Hazarathaiah	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
25	A Suresh Kumar	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
26	A Suresh Kumar	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
27	A Suresh Kumar	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free

28	K Deepak	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
29	K Deepak	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
30	K Deepak	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
31	V.SowmyaSree	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
32	V.SowmyaSree	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
33	V.SowmyaSree	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
34	Y.Indira Priya Darshini	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
35	Y.Indira Priya Darshini	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
36	Y.Indira Priya Darshini	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
37	D.Vannurappa	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000

38	D.Vannurappa	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
39	D.Vannurappa	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
40	K.Venkateswaramma	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
41	K.Venkateswaramma	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
42	K.Venkateswaramma	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
43	E.Siva Kumar Goud	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
44	E.Siva Kumar Goud	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
45	E.Siva Kumar Goud	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
46	T.Nishanth	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
47	T.Nishanth	Familiarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free

48	T.Nishanth	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
49	D.Raziya	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
50	D.Raziya	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
51	D.Raziya	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free
52	M.A.Nabi	Research Paper Writing using LateX	3 Days	G.Pullaiah College of Engineering and Technology, Kurnool	1000
53	M.A.Nabi	Farmiliarization Sessions on Filing IP in Real Time	16 Weeks	SVEC - Sree Vidyanikethan Engineering College, Tirupati	Free
54	M.A.Nabi	Recent Advancement in Electrical Engineering	one Week	G Pulla Reddy Engineering College is a college of Kurnool,	Free

g. Details of the faculty who organized Conferences/Workshops/STTPs/FDPs:

S.No.	Name of the faculty	Name of the conference/ Workshops/STTPs/FDPs	Duration	No. of participants
1	Dr.G Pandu Ranga Reddy	A FDP on Research Paper Writing using LateX	3 Days	100
2	Dr.G Pandu Ranga Reddy	A Workshop on MATLAB ONRAMP CERTIFICATION PROGRAM	3 Days	150
3	Mr M A Nabi	A workshop on Latest Innovations in Hybrid Vehicles	One Day	120

h. Details of books/book chapters authored by the faculty:

S.No.	Name of the faculty	Name of the conference	Duration
1	--	--	--

i. Details of Patents published/awarded and product development, if any:

S.No	Patent	Jurisdiction	Inventor's Name	Year of Applicati	Year of Grant
1	Fabrication of solar panel dust cleaning system	202241017478	Dr G Pandu Ranga Reddy Dr M Rama Prasad Reddy Mr D Vannurappa Mrs U Chaithanya Mrs M Bhagya Lakshmi	2022	--
2	Adjustable roof rack system for vehicle ON CLOUD	202241035100	Dr. C.Srinivasa Rao Dr.G.Pandu Ranga Reddy Dr.M.Rama Prasad Reddy Mr.M.Venkateshwarlu A. Suresh Kumar S.Sankara Prasad	2022	--
3	Ai Based Dynamic Optimization Techniques For Power Quality Enhancement Of Ac Microgrids	202241050374	Mr. Karanam Deepak	2022	--

j. Details of fabricated projects, if any that leads to product development in future:

k. Details of revenue generated through consultancy:

l. Details of faculty interaction with outside world (industry/research centres/ educational institutions, etc):

m. Details of faculty awards/recognition:

n. Preparation of e-learning materials (SWAYAM, MOOCs, NMEICT, etc):

o. Number of guest lectures delivered / acted as reviewer or editorial committee member or resource person, etc.

p. Number of faculty who completed certification courses:

S.No	Name of the Faculty	certification course Name	Duration
1	M Venkateswarlu	NPTEL certification course on " Electrical Machines-I"	12 weeks
2	M Bhagya Lakshmi	NPTEL certification course on " Fundamental of Electrical Engineering	12 weeks
3	U Chaithanya	NPTEL certification course on " Fundamental of Electrical Engineering	12 weeks
4	A Suresh Kumar	NPTEL certification course on " Basic Electric circuits"	12 weeks

4. Other Information:

a. Are the minutes of the meeting of the Departmental Committee maintained   : YES

b. Number of MoUs / collaborations signed with organization/institution: YES

c. How many National/ International acclaimed experts visited the department (Date, Name of the Expert, Designation, Organization and Purpose):

d. Details of new facilities added during 2019-20:

e. Details of newsletters / magazines etc published:01

  News Letter is being published for every semester in Academic year
  Magazine is being published four issues for every Academic year

f. Future plans of the department:
To establish advanced Laboratories like Advance Electrical Drives Lab.
To get Funding projects from various Funding Agencies like SERB, AICTE, ISRO.
To train the students in getting 100% pass percentage.
To train the students in getting 100% placements.

5. SWOC Analysis:

a. **Strengths:**
  1. Qualified, experienced and dedicated teaching faculty with good retention ratio.

2. Laboratories with State of the Art equipment and modern software tools.
3. Faculty contributing in design development and implementation of curriculum in Board of Studies of an Affiliating University.
4. Effective use of ICT in teaching learning process.
5. Student centric functioning with mentoring, counselling through teachers and Effective academic monitoring.
6. Active NSS Unit.

b. **Weakness:**
   1. Less Industry – Institute interaction.
   2. Institute lacks in revenue generation.
   3. Less student pursuing higher education.
   4. Involvement of Alumni is less.

c. **Opportunities:**
   1. To arrange more number of FDPs /STTPS/ National Level /International Level conferences.
   2. To arrange specialized Training programs by the faculty.
   3. Scope for interdisciplinary and sponsored projects.

d. **Challenges:**
   1. Strengthen Industry-Department Interaction.
   2. More placements in core companies.
   3. Encouraging students for competitive examinations and higher studies.
   4. More focus on Industrial training for faculty and students.

6. **Suggestions / Recommendations of the Committee:**

Signature of the HoD with date   9/01/2023

Signature of audit Member – 1

Designation: HoD y Asst-prof,

Address: GPCET, kurnool

Mobile Number: 9491235477

e-mail: hodece@gpcet.ac.in

Signature of audit Member – 2   7/1/23

Designation: HoD CE Associate professor

Address: GPCET Kurnool.

Mobile Number: 9602632781

e-mail: hod@gpcet.co.in.

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G.Pullaiah College Engineering and Technology:: Kurnool
Proforma for Internal Academic Audit
Academic Year: 2022-2023
Semester:
Part – A: General Information

1. Name of the department: Mechanical Engineering

2. Year of establishment: 2013

3. Programmes offered:

   3.1 UG Programmes: ME

   3.2 PG Programmes:-

4. Accreditation Status: Accredited with NAAC 'A'

5. Details of the Faculty:

S.No	Name	Qualification	Designation	Specialization	Experience
1	Mr. Abdul azeez	M.Tech	Assistant Professor &HOD	Manufacturing engineering	2
2	Dr.K.Mallikarjuna	Ph.D	Professor	Production optimization and machine design	22
3	Dr.S.Venkateshwarlu	Ph.D	Professor	Industrial Engineering	26
4	Dr S.M.RaviKumar	Ph.D	Associate Professor	Manufacturing	26
5	Dr.L.J.Naik	Ph.D	Assistant Professor	Thermal Engineering	6
6	A.Ramaanjaneya Reedy	M.Tech	Assistant Professor	Machine Design	9
7	K.ChinnaVereesh	M.Tech	Assistant Professor	CAD/CAM	5
8	M.Nagaraju	M.Tech	Assistant Professor	Thermal Engineering	3
9	M.Sekhar	M.Tech	Assistant Professor	Production design	2

6. Details of non-teaching staff:

S.No	Name	Qualification	Designation
1	B.Chethan kumar	B.Tech	Lab Technician
2	B.Kiran kumar	ITI	Lab Technician
3	S.MD.Hussain saheb	Diploma	Lab Technician

7. Admission Status:
   a. No. of students admitted:

Programme	Academic year 2022-23	
	Sanctioned	Admitted
UG (Specialization)	60	05
PG (Specialization)	-	-

8. Budget Allocation and Utilization during the year:

Academic Year	Total Budget Allocated		Total Budget Utilized		Remarks
	Non-Recurring	Recurring	Non-Recurring	Recurring	
2022-23	37500	0	35500	0	

9. Physical Resources Available:
   a. Number of classrooms: 3
   b. Number of faculty rooms: 1
   c. Number of staff rooms: 1
   d. Available ICT tools in classrooms: 1
   e. Laboratories:

S.No	Name of the Laboratory	Total Cost of Equipment (Non-consumable)
1	Material Science & Engineering	2,47,277.00
2	Engineering Workshop	1,56,382.00
3	Thermal Engineering	10,38,280.00
4	Manufacturing Technology	3,99,819.00
5	Heat transfer	3,74,198.00
6	CAD & CAE Lab	24,05,000.00
7	Metrology and Measurements	5,74,358.00
8	Applied Mechanics	58245.00

   f. Department Library:
      Number of Titles: (129) 84
      Number of Volumes: (1970) 110
      Number of Theses: -
      Number of CDs, CBTs, etc:

2

Part - B

1. Curriculum:

a. Is the Curriculum updated (Yes / No)   : yes

b. If 'Yes", mention the changes made in detail and the reasons for the same:
As the college has obtained Autonomous flexibility the curriculum was revised

c. Details of value addition courses, if any:

d. Are the changes made in tune with the feedback of the employers/ industrial experts / academicians / parents / alumni? (Provide the surveys as an attachment):

2. Teaching and Learning Process:

a. Student to Teacher Ratio (STR):

	Academic year 2022-23
Sanctioned intake (UG) N1	60 +60 +60
Sanctioned intake (lateral entry) (UG) N2	6 +6 +6
Sanctioned intake (PG1) N3	-
Total number of students N1+N2+N3	66 +66 +66
Total number of faculty	9
Student Faculty Ratio	20&55 22

b. Percentage of faculty using ICT for effective teaching and learning mechanism:

No. of faculty on roll	Number of faculty using ICT tools	Available ICT tools and resources	Number of ICT enabled rooms	e-resources and techniques used
9	5	projector	1	1

c. Students academic performance (outgoing batch result analysis):

Number of students appeared 2022 Passed Out	Number of students passed in distinction	Number of students passed in first class	Number of students passed in second class	Number of students passed in pass class
53	19	12	3	-

d. Innovative processes adopted in teaching-learning process:

e. Status of student mentoring system and action taken:
Regular mentoring is carried out and a mentor is assigned to every 20 students

f. Achievements and Recognitions of students:

g. Details of scholarships/financial support by various organizations:

Name of the organization	Name of the scheme	Number of students	Amount

h. Students participation in various co-curricular and extra-curricular activities (seminars, conferences, workshops, industrial tours, training sessions, sports, etc)

S.NO	ROLL NUMBER	NAME OF STUDENT	WORKSHOP
1	19AT1A0341	SHAIK BASHA	AVISHKAAR WORKSHOP
2	21AT1A0325	SHAIK MOHAMMED AZHAR	Workshop on Design & Development of hybrid engine

i. Status of remedial classes for slow learners and GATE/CAT, etc classes for advanced learners: -

j. Are the faculty members maintaining the course files? (course file shall consists of class time-table copy, syllabus copy along with outcomes, lesson plan, sessional and end examination question papers, assignment, quiz, sessional marks, result analysis, CO attainment, mapping of CO and PO, class notes, hard copies PPTs)

k. Company wise details of the students placed (on-campus and off-campus) and details of the students qualified in various competitive examination (attach proofs)

S.NO	ROLL NUMBER	NAME OF STUDENT	Company
1	19AT1A0301	SYED ABBAS	Cognizant
2	19AT1A0313	MOHAMMED MUQEED KHAN	Surya Tech Solutions
3	19AT1A0314	DASARI NARESH	Surya Tech Solutions
4	19AT1A0321	NAYAKANTI RAMAKRISHNA	Surya Tech Solutions
5	19AT1A0329	PINJARI SUBHAN BASHA	Surya Tech Solutions
6	19AT1A0341	SHAIK ZAHEER BASHA	Surya Tech Solutions
7	20AT5A0302	K VAMSHI	Mold Tek
8	20AT5A0303	ADAVENI HEMANTH MANI	Mold Tek
9	20AT5A0305	PALADUGU VIJAY KUMAR	Mold Tek
10	20AT5A0306	DANDU SIVAKUMAR REDDY	Mold Tek
11	20AT5A0307	MASAPOGU SANJEETH KUMAR	Mold Tek
12	20AT5A0308	GATTU SAIKUMAR	Mold Tek

1. Details about the number of students undergone for summer internship/internship and certification courses:

The following list of students attended **AutoCAD** internship.

S.NO	ROLL NO	NAME OF THE STUDENT
1	20AT1A0301	BESTA NAGENDRA KUMAR
2	20AT1A0304	K.VISHNU VARDHAN REDDY
3	20AT1A0305	BESTA ASHOK
4	20AT1A0307	VADDE BHARATH RAJ
5	20AT1A0308	TELUGU BHASKAR
7	20AT1A0319	AYODHYA MADHAVA REDDY
10	20AT1A0323	TELUGU MANOJ KUMAR
11	20AT1A0325	GOLLA PARASHURANGADU
12	20AT1A0326	VALUPIRI PAVAN KALYAN
14	20AT1A0331	GAJJELA RAM SAI
15	20AT1A0332	REDDYGARI RAMARUCHITHA
16	20AT1A0334	M.RAVI SANKAR
17	20AT1A0336	GANAPA SAI KIRAN
18	20AT1A0337	BOYA SHIVA KUMAR
19	20AT1A0338	GUDISE SIVA KUMAR
20	20AT1A0340	BANDI SUJITH KUMAR
21	20AT1A0342	KATTA TEJESWAR
22	20AT1A0343	GOLLA THIRUMALESH
23	20AT1A0344	M.UPENDRA REDDY
24	21AT5A0303	G.NARESH KUMAR
25	21AT5A0304	G.HEMANTH BABU
26	21AT5A0308	SUDHEER NANI
27	21AT5A0309	GOWTHAM KUMAR
28	21AT5A0310	M.LOKESH
29	21AT5A0311	MD.ABRAR UL HAQ
30	21AT5A0312	M.HARSHA VARDHAN
31	21AT5A0313	P.MOKSHITHA
32	21AT5A0314	P.ANEEF
33	21AT5A0315	S.SALEEM BASHA
34	21AT5A0316	S.ABDUL KHALID
35	21AT5A0317	S.BABA FAKRUDDIN
36	21AT5A0320	T.RAMESH

The following list of students attended for certification courses

S.NO	ROLL NUMBER	NAME OF STUDENT	CERTIFICATIONS
1	19AT1A0308	D.L.M.YASSEN	PYHTON
2	19AT1A0313	MUQEED KHAN	PYHTON
3	19AT1A0341	SHAIK BASHA	PYHTON
4	19AT1A0341	SHAIK BASHA	AVISHKAAR WORKSHOP
5	20AT5A0309	K.SUNIL	SOLID EDGE FUNDAMENTALS
6	20AT5A0302	K.VAMSHI	HTML
7	20AT5A0302	K.VAMSHI	PYHTON
8	20AT5A0304	D.SAI KIRAN	PYHTON
9	20AT5A0307	M.SANJEETHI KUMAR	PYTHON
10	20AT1A0306	D.AZARUDDIN	PYHTON
11	20AT1A0319	AYODHYA MADHAVA REDDY	PYHTON
12	20AT1A0326	VALUPIRI PAVAN KALYAN	PYHTON
13	20AT1A0333	CHILUKA RAVI KIRAN	PYHTON
14	20AT1A0336	GANAPA SAI KIRAN	PYHTON
15	20AT1A0342	KATTA TEJESWAR	PYHTON
16	21AT5A0302	D.UMAMAHESWAR REDDY	PYHTON
17	21AT5A0309	GOWTHAM KUMAR	PYHTON
18	21AT5A0312	M.HARSHA VARDHAN	PYHTON
19	21AT5A0313	P.MOKSHITHA	PYHTON
20	21AT5A0314	P.ANEEF	PYHTON
21	21AT5A0317	S.BABA FAKRUDDIN	PYHTON
22	21AT5A0320	T.RAMESH	PYHTON
23	21AT5A0302	D.UMAMAHESWAR REDDY	MAT LAB
24	21AT5A0309	GOWTHAM KUMAR	MAT LAB
25	21AT5A0312	M.HARSHA VARDHAN	MAT LAB
26	21AT5A0317	S.BABA FAKRUDDIN	MAT LAB
27	21AT5A0309	GOWTHAM KUMAR	WEB DEVELOPMENT
28	20AT1A0332	REDDYGARI RAMARUCHITHA	HTML

m. CO and PO attainment: YES

n. Best projects/Industry projects:

o. Content beyond the curriculum:

6

p. Whether the employers, alumni and program exit surveys are considered for the attainment calculations or not? If yes, attach proofs

q. Whether the Student Satisfactory Survey is conducted or not? If yes, attach proofs

3. Faculty Research and Innovation:

a. Details of the faculty information:

S.No	Name of the Faculty	Designation	Total number of publications in journals and conferences	ORCID number	Scopus Id	h-index
1	Dr.K.Mallikarjuna	Professor	2	0000-0003-0336-2472	5538374 2300	3
2	Dr.S.Venkateshwarlu	Professor	2	-	-	-

b. Details of research proposals submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Sponsoring Agency	Cost of the project	Year of sanctioned	Status
-	-	-	-	-	-	-

c. Details of in-house projects submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Cost of the project	Year of sanctioned	Status
-	-	-	-	-	-

1	Aziz	Twelve week FDP on Fundamentals of Manufacturing Processes	July-October 2022	NPTEL	Online
2	A.RAMAANJANEYA REEDY	Twelve week FDP on "Introduction to Composites"	July-October 2022	NPTEL	Online

4. Other Information:

a. Are the minutes of the meeting of the
Departmental Committee maintained
: YES / NO

b. Number of MoUs / collaborations signed with organization/institution: -

c. How many National/ International acclaimed experts visited the department
(Date, Name of the Expert, Designation, Organization and Purpose): -

d. Details of new facilities added during 2022-23:
Fixed Frameless glass board in B1-308(II-ME class room)

e. Details of newsletters / magazines etc published:-

f. Future plans of the department:
i) We are planning to increase number of research publications
ii) Imparting skills in trending areas to the students through
more number of events/ seminars

5. SWOC Analysis:

a. Strengths: Well experienced faculty, Good retention ratio,
Safe and secured environment

b. Weakness: Moderate placements in core companies, Less
number of students opting for higher studies

c. Opportunities: To arrange more number of FDPs and STTPs

d. Challenges: To focus on industrial training, To concentrate
on core placements

6. **Suggestions / Recommendations of the Committee:**

1. Number of Publications should be increased

2. The faculty have to do more number of Certification courses.

3. Motivate Students regarding placements

Signature of the HoD with date

4/2/2023

Signature of audit Member – I

Ms.B.Suneetha

Designation: Senior Asst.Professor& HOD-H&S

Address:GPCET

Mobile Number:9490553705

e-mail: hodhs@gpcet.ac.in

Signature of audit Member – 2

Ms.M.Sri Lakshmi

Designation: Assoc.Professor&HOD-CSE

Address:GPCET

Mobile Number:9391002853

e-mail:hodcse@gpcet.ac.in

GPCET

G.Pullaiah College Engineering and Technology:: Kurnool
Proforma for Internal Academic Audit
Academic Year: 2022-2023
Semester: I
Part – A: General Information

1. Name of the department: **Electronics and Communication Engineering**

2. Year of establishment: **2007**

3. Programmes offered:

   3.1 UG Programmes: **B.Tech - ECE**

   3.2 PG Programmes: **M.Tech - DECS**

4. Accreditation Status: **Accredited**

5. Details of the Faculty:

S.No	Name of the Faculty	Qualification	Designation	Specialization	Experience
1.	Dr. T. Tirupal	Ph.D	Assoc Professor	Medical Image Processing	18
2.	Dr. N. Rama Murthy	Ph.D	Professor	Digital Image Processing	22
3.	Dr. Sandip Swarnakar	Ph.D	Professor	Photonics	12.5
4.	Dr. K. C. T. Swamy	Ph.D	Assoc Professor	Satellite Communications/ Navigation	12
5.	Mr. G. Ramarao	M.Tech	Assoc Professor	Digital Systems & Computer Electronics	18
6.	Mr. B.Obulesu	M.Tech	Assoc Professor	VLSI System Design	18
7.	Mr. T. Suman	M.Tech	Assistant Professor	Wireless Mobile Communications	8
8.	Ms. Sk Fowzia Sultana	M.Tech	Assistant Professor	Communications & Signal Processing	14
9.	Mr.M.Krishna Reddy	M.Tech	Assistant Professor	Communications & Radar Systems	4
10.	Mr.B.Ravi Chandra	M.Tech	Assistant Professor	Digital Electronics & Communication Systems	11
11.	Mr.S.Towseef Ahmed	M.Tech	Assistant Professor	Embedded Systems	6
12.	Ms. K.Uma Maheswari	M.Tech	Assistant Professor	Embedded Systems	6
13.	Ms. G.Mahalaxmi	M.Tech	Assistant Professor	Digital Electronics & Communication Systems	3
14.	Ms. B. Eramma	M.Tech	Assistant	Embedded	5

			Professor	Systems	
15.	Ms. M. Rachana	M.Tech	Assistant Professor	VLSI & Embedded Systems	3
16.	Ms. P. Ipshitha	M.Tech	Assistant Professor	Embedded Systems	3
17.	Ms. N. Hari Priya	M.Tech	Assistant Professor	VLSI & Embedded Systems	3
18.	Mrs A.Sreevani	M.Tech	Assistant Professor	Digital Electronics & Communication Systems	5
19.	Mrs.V.Priyanka	M.Tech	Assistant Professor	VLISD	3
20.	Ms.Y.Bhanupriya	M.Tech	Assistant Professor	VLSI & Embedded Systems	2
21.	Mr.B.Venkatesu	M.Tech	Assistant Professor	DECS,VLSI	7
22.	Mr.G.Rakesh Kumar	M.Tech	Assistant Professor	VLSI & Embedded System Design	4
23.	Mrs.K.Maheswari	M.Tech	Assistant Professor	DECS	5
24.	Ms.Syed Ishrath Moin	M.Tech	Assistant Professor	VLSI	6 months
25.	Mrs.A.Swetha Rani	M.Tech	Assistant Professor	DECS	7

6. Details of non-teaching staff:

S.No	Name	Qualification	Designation
1.	A.Sadak Hussain	DECE	Technician
2.	D.V.Gopi Krishna	DECE	Technician
3.	Y.Shasank Singh	B.Tech	Technician
4.	Kuruva Buchanna Raja	M.Com	Clerk
5.	N.V.Ramesh	Intermediate	Attender

7. Admission Status:
   a. No. of students admitted:

Programme	Academic year 2021-22	
	Sanctioned	Admitted
UG (Specialization)	180	180
PG (Specialization)	18	04

8. Budget Allocation and Utilization during the year:

Academic Year	Total Budget Allocated		Total Budget Utilized		Remarks
	Non-Recurring	Recurring	Non-Recurring	Recurring	
2022-23					

9. Physical Resources Available:
   a. Number of classrooms: **06**
   b. Number of faculty rooms: **01**
   c. Number of staff rooms: **01**
   d. Available ICT tools in classrooms: **03**
   e. Laboratories:

S.No	Name of the Laboratory	Equipment	Quantity	Cost
1.	Electronic Devices and Circuits Lab	Cathode Ray Oscilloscopes	12	**462363.40**
		Function Generators	12	
		Digital Multi Meters	10	
		Decade Resistance Box	10	
		Regulated Power Supply	12	
		Digital Voltmeters	24	
		Digital Ammeters	24	
		PN Diode Characteristics Trainers	2	
		Zener Diode Characteristics Trainers	2	
		FET Characteristics Trainers	2	
		SCR Characteristics Trainers	2	
		Rheostats	2	
2.	Electronic Circuit Analysis Lab	Cathode Ray Oscilloscopes	12	**626790.2**
		Function Generators	12	
		Regulated Power Supplies	12	
		Stabilizer	1	
		Digital Voltmeters	24	
		Digital Ammeters	24	
		Decade Inductance Box	10	
		Decade Capacitance Box	10	
		Tina Pro	1	
		Personal Computers: Intel Pentium 3.0GHz, Dual Core Processor, 2GB RAM, 160GB HDD	12	
3.	Analog Communication Systems Lab	Function Generators 3 MHz	10	**914916.20**
		Digital Storage Oscilloscopes	10	
		Digital Multimeters	10	
		Antenna Measurement System	1	
		3GHz Spectrum Analyzer	1	
		Digital Oscilloscopes	12	
		Function Generators	12	
		Amplitude Modulation &Demod.	2	
		Diode Detector Characteristics	2	
		Frequency Modulation &Demod.	2	
		Balanced Modulator	2	
		Pre-Emphasis & De- Emphasis	2	

		Characteristics of Mixer	2	
		Digital Phase Detector	2	
		Phased Locked Loop	2	
		SSB System	2	
		Synchronous Detector	2	
		Frequency Synthesizer	2	
		Squelch Circuit	2	
		AGC Characteristics	2	
		AM (Transmitter) Trainer	1	
		AM (Receiver) Trainer	1	
4.	IC Applications Lab	40dB Attenuation Pads	10	
		Component Development System	10	
		Cathode Ray Oscilloscopes	12	
		Function Generators	12	
		Digital Multi Meters	10	**534980.00**
		Digital IC Tester	1	
		Linear IC Tester	1	
		Analog System Lab Starter Kit	12	
		Regulated Power Supply	12	
5.	Digital Communications Systems Lab	Pulse Amplitude Modulation &Demod.	2	
		Pulse Width Mod. &Demod.	2	
		Pulse Position Mod. &Demod.	2	
		Sampling Theorem Verification	2	
		Time Division Multiplexing &Demux.	2	
		Pulse Code Modulation &Demod.	2	
		DPCM Mod. &Demod.	2	
		Delta Modulation &Demod.	2	**135574.20**
		Frequency Shift Keying	2	
		Phase Shift Keying	2	
		DPSK Mod. &Demod. Trainers	2	
		QPSK Trainer	1	
		Personal Computers: Intel Pentium 3.0GHz, Dual Core Processor, 2GB RAM, 160GB HDD	1	
6.	Microprocessors And Microcontrollers Lab	Microprocessor Trainers (8086)	18	
		Microcontroller Trainers (8051)	18	
		Elevator	2	
		Traffic Lights	2	
		Analog to Digital Converter	2	**901269.70**
		Digital to Analog Converter	2	
		Stepper Motor	2	
		8279 Study Card	2	
		8259 Study Card	2	
		8251/53 Study Card	2	

		Key board Interface	2	
		Elivator Interface	2	
		4 digit seven segment LED Display	2	
		Dual slope ADC Interface	2	
		Dual DAC Interface	2	
		Logic Control Interface	2	
		Traffic Light Interface	2	
		MSP EXP430 G2553 Trainers	35	
		MSP EXP430 FR 5969 Trainers	5	
		CC3100 Booster Pack	1	
		Personal Computers: Intel Pentium 3.0GHz, Dual Core Processor, 2GB RAM, 160GB HDD	34	
7.	Digital Signal Processing Lab	DSP Trainer Kits TMS32C6713	10	791500.00
		Personal Computers: Intel Pentium 3.0GHz, Dual Core Processor, 2GB RAM, 160GB HDD	35	
8.	VLSI Embedded Systems Lab	Tiva C Series (EK-TM4C123GXL) KITS	10	453155.00
		FPGA Trainers	5	
		CPLD Trainers	5	
		Laptops: I5 PROCESSOR, 4 GB RAM, 320 GB HDD	19	
9	Micro wave and Optical Communications Lab	Klystron Power Supply	4	563017.00
		Klystron Mount with Tube	4	
		Isolator	5	
		VSWR Meter	1	
		Frequency Meter (Direct)	2	
		Frequency Meter (Micro)	1	
		Magic Tee	1	
		Directional Coupler (20db)	1	
		Detector Mount	6	
		Tunable Probes	5	
		Variable Attenuators	5	
		Fixed Attenuator (6db)	1	
		GUNN Power Supply	1	
		GUNN Oscillator	1	
		PIN Modulator	1	
		Slotted Section	5	
		Matched Termination	10	
		Wave Guide Stands	14	
		Cooling Fans	6	
		BNC to BNC Cable	4	
		LASER Trainer (OFT-2023)	1	

		AnalogFiber Optic Trainer (OFT-2021)	1	
		Digital Fiber Optic Trainer (OFT-2022)	1	
		LED Trainer (OFT-2021)	1	
		Circulator	1	
		Cathode Ray Oscilloscopes 20MHz	2	
		Servo Voltage Stabilizer	1	
		LASER Diode Transmitter and Receiver	1	
		Optical Fiber Transmitter and Receiver	2	
		Klystron Tubes	3	
		Microwave Diodes	6	
		LASER Diode Transmitter and Receiver	1	
		OFT Cable 1m	2	
		Bench Setup	1	
		Short circuits	2	
		SS Tuner	2	
		Microammeter	3	
		E-plane Bend	1	
		E-plane Tee	2	
		Waveguide Horn Antenna	2	
10	IoT Lab	UG BUNDLE - 20 users	1	
		I5 PROCESSOR, 8 GB RAM, 500 GB HDD	20	
		Arduino With Cable	15	
		Buzzer	11	
		ADXL Sensor	14	1369460.00
		IR Sensor	14	
		OLED	13	
		Soil Moisture Sensor	13	
		Ultrasonic Sensor	13	
11	Project Lab	Multisim Education 25	1	
		NI my DAQ Student Kit	10	
		Pitsco my Quake Qty.5	1	
		Pitsco my VTOL Qty.5	1	
		Pitsco my Temp Qty.5	1	
		Emora my DSP Qty.5	1	2733093.49
		4Yrs Academic Site License Teaching Standard Service Program on time renewal	1	
		Analog Discovery 2	10	
		Scope Probes	10	
		BNC Adapter	10	
		Analog Devices parts kit 10	10	

Power supply	10
MYRIO & PITSCO TETRICS	1
PITSCO Tetrics Prime	2
I5 PROCESSOR, 4 GB RAM, 320 GB HDD, 18.5 inch Monitor	34

f. Department Library:
   Number of Titles: 350
   Number of Volumes: -
   Number of Theses: -

Part - B

1. Curriculum:

a. Is the Curriculum updated (Yes / No)   : YES

b. If 'Yes", mention the changes made in detail and the reasons for the same:
   Universal Human Values subject has been assigned 3 credits.

c. Details of value addition courses, if any: -

d. Are the changes made in tune with the feedback of the employers/ industrial
   experts / academicians / parents / alumni? (Provide the surveys as an
   attachment): -

2. Teaching and Learning Process:

a. Student to Teacher Ratio (STR):

	Academic year 2020-21
Sanctioned intake in First Year (UG) N1	180
Sanctioned intake (Lateral entry) (UG) N2	-
Sanctioned intake (PG1) N3	-
Total number of students [(N1+N2) X 3] + [(N3x2)]	540
Total number of faculty	27
STR	20

b. Percentage of faculty using ICT for effective teaching and learning
   mechanism:

No. of faculty on roll	Number of faculty using ICT tools	Available ICT tools and resources	Number of ICT enabled rooms	e-resources and techniques used
26	10	NPTEL videos Virtual Labs Cadence Tools MATLAB CADMIOT	3	NPTEL videos e-journals (J-Gate, Delnet, Taylor & Francis) Flipped class rooms

c. Students academic performance (outgoing batch result analysis):

Number of students appeared 2022 passed out	Number of students passed in distinction	Number of students passed in first class	Number of students passed in second class	Number of students passed in pass class
155	73	67	12	03

d. Innovative processes adopted in teaching-learning process:

i. Modern teaching methodologies like ICT based learning, flipped class rooms, virtual labs are being employed to create interest among the students.

ii. LCD projectors with necessary screens are consistently used in the class-room lecture delivery.

iii. Internet facility is provided to students for deeper inquiry into their subjects.

iv. The technologies are used even in the co-curricular activities during seminars, workshops etc. Every classroom is enabled with Wi-Fi connection for better learning.

v. Priority is given to learning through hands on experience where in the students are made to perform various experiments to understand the concept better. In order to do so, the experiments are also designed in such a manner so as to be aligned with the concepts being learned in the class.

vi. Continuous mentoring and guidance is provided to students through their research mentors to improve their knowledge in various subjects. The students are segregated into various research groups based on their interest.

vii. Regular remedial classes after the normal classes are being conducted for slow learners who are identified through various assessments.

viii. The students are also encouraged to take up NPTEL certifications to improve their domain knowledge.

ix. Regular assessment tests are also conducted to analyze the learning capabilities of students.

x. The website has been designed in such a manner where in all the data required by the student is made available. The lecture notes along with previous years question papers are also placed in the website for the benefit of students. Video lectures of the faculty on important topics are also placed in the website so that it enables the student to have an idea about the topic before he or she comes to the class.

xi. Apart from the above, the students are also trained on latest technological trends involving MATLAB/ NI LabVIEW/ Cadence in order to make them industry ready. Furthur, memorandum of understanding has also been made with Wipro 3-D Bengaluru for setting up of Center for Advancement of digital manufacturing and

industrial IoT (CADMIOT), in order to impart industrial training on IoT exclusively to the students and faculty.

e. Status of student mentoring system and action taken:

Continues mentoring and guidance is provided to students through their research mentors to improve their knowledge in various subjects. The students are segregated into various research groups based on their interest.

Facilities being created for the above:

Research groups have been created in the departments. The various projects taken up by the students also relate to their research groups.

f. Achievements and Recognitions of students:

g. Details of scholarships/financial support by various organizations:

Name of the organization	Name of the scheme	Number of students	Amount
G.Pulla Reddy Educational Society	Education Help	5	75000/-

h. Students participation in various co-curricular and extra-curricular activities (seminars, conferences, workshops, industrial tours, training sessions, sports, etc)

Training sessions are being conducted for advanced learners on certification courses like MATLAB, PCB, GATE, CLAD & Web development.

i. Status of remedial classes for slow learners and GATE/CAT, etc classes for advanced learners:

Regular remedial classes after the normal classes are being conducted for slow learners who are identified through various assessments.

GATE coaching is been given by the senior faculty in the department for advanced learners.

Advanced learners are also been given Training on Certification Courses like CLAD & Web development.

j. Are the faculty members maintaining the course files? (course file shall consists of class time-table copy, syllabus copy along with outcomes, lesson plan, sessional and end examination question papers, assignment, quiz, sessional marks, result analysis, CO attainment, mapping of CO and PO, class notes, hard copies PPTs)

All the faculties in the department are handling course files.

k. Company wise details of the students placed (on-campus and off-campus) and details of the students qualified in various competitive examination (attach proofs)

GPCET-ECE 2019-23 Placement Status

S.No	Date	Organization	CTC	Count
1	24-07-2022	TCS (Digital)	7	1
2	21-07-2022	Technovert	6.6	1
3	28-09-2022	ADP	6	4
4	10-09-2022	DataBeat	5	2
5	22-08-2022	Manomay	4.5	3
6	26-09-2022	HCL	4.25	39
7	12-08-2022	DXC Technology	4	23
8	22-08-2022	Hexaware	4	5
9	13-08-2022	CTS	4	23
10	03-12-2022	CaddyCode Solutions Pvt. Ltd	3.6	1
11	24-04-2022	TCS (CodeVita)	3.6	1
12	24-07-2022	TCS (Ninja)	3.6	12
13	12-10-2022	CSS Corp	3.5	13
14	28-08-2022	TechM	3.25	5
15	28-10-2022	Full Creative	4.5	2
16	01-12-2022	SURYA TECH SOLUTIONS	2.6	14
		(Upto 19-Dec-2022) Total Offers		148
		Unique Placements		99

l. Details about the number of students undergone for summer internship/internship and certification courses:

m. CO and PO attainment:

Performed all CO-PO attainment

n. Best projects/Industry projects:

o. Content beyond the curriculum:

p. Whether the employers, alumni and program exit surveys are considered for the attainment calculations or not? If yes, attach proofs

Yes

q. Whether the Student Satisfactory Survey is conducted or not? If yes, attach proofs: Yes

3. Faculty Research and Innovation:

a. Details of the faculty information:

b. Details of research proposals submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Sponsoring Agency	Cost of the project	Year of sanctioned	Status
1.	Dr. T. Tirupal	Internet of Things Lab	AICTE	6,80,784	2020	Submitted

c. Details of in-house projects submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Cost of the	Year of sanctioned	Status

			project		

d. Major addition to the infrastructure of the department through project funding (List the equipments/ facilities and costs) :

e. Details of the publications in various Journals during 2022-23:

1. B.Ravi Chandra " metaheuristic algorithm For Higher Ensured lifespan of Internet of Things in 5G Networks" computers and Electrical Engineering, Accepted on 13 December,2022 (SCI, IF: 4.152).

2. K.C.T. Swamy a, D. Venkata Ratnam b , T. Suman a , S. Towseef Ahmed a "Time-differenced double difference method for measurement of Navigation with Indian Constellation (NavIC) receiver differential phase bias", Measurement, Available online 27 December 2022 0263-2241/© 2022 Elsevier Ltd. All rights reserved.

3. T.Tirupal et al., "Advanced Image Processing Algorithms for Categorizing and Evaluating Plant Diseases: A Study", The IUP Journal of Telecommunications, an UGC Journal, vol.14, no.1, pp.35-49, 2022.

4. T.Tirupal et al., "Categorization of Leaf Ailments Using Deep Learning Techniques: A Review", The IUP Journal of Telecommunications, an UGC Journal, vol.14, no.1, pp.50-66, 2022.

5. Sandip Swarnakar, Shaik Chapala Afrid Basha, Shaik Azmathullah, Nallamalla Akhil Prabhu, Gajula Madhu, Santosh Kumar, "Improved design of all-optical half-adder and half-subtractor circuits using MIM plasmonic waveguides for optical networks," Optical and Quantum Electronics, Vol. 54, Accepted on 25 October, 2022 (SCI, IF: 2.084). https://doi.org/10.1007/s11082-022-04329-9

6. Maddala Rachana a , Ipshitha Charles a , Sandip Swarnakar a," Recent advances in photonic crystal fiber-based sensors for biomedical applications" Contents lists available at ScienceDirect Optical Fiber Technology journal homepage: www.elsevier.com/locate/yofte https://doi.org/10.1016/j.yofte.2022.103085 Received 29 May 2022; Accepted 3 October 2022

7. G. Rakesh Kumar "Design of Graphene Nano ribbon FET using Quantum wise ATK" Journal of Advanced Engineering Science ISSN: 2096-3246 Volume 54, Issue 08, October, 2022

8. Dr N Ramamurthy et al "High spectrum utilization and low latency approach for multi-user-full-dimensional MIMO (MU-FD-MIMO) for 5G applications", Optik(SCI Journal), September 2022.

9. Dr N Ramamurthy et al "A Tri-Band Miniaturized Antenna Using Fractal Defected Ground Structure for C/X and Ku-Band Applications" , Progress In Electromagnetics Research M, September2022, Volume113, pp. 115–128.

10. Maddala Rachana,1 Sandip Swarnakar,1, "Optimization of an all-optical three-input universal logic gate with an enhanced contrast ratio by exploiting a T-shaped photonic crystal waveguide" © 2022 Optica Publishing Group https://doi.org/10.1364/AO.463845 published 21 September 2022

11. Dr. KCT Swamy " Complex Frequency Block Domain Analysis and Efficient Implementation for Computational Active Noise Control" Journal of Mathematical Statistician and Engineering Applications ISSN: 2094-0343 2326-9865, Publication Issue: Vol 71 No. 4 (2022) , August 2022

12. Suman Turpati, , K Uma Maheswari " Complex Frequency Block Domain Analysis and Efficient Implementation for Computational Active Noise Control" Journal of Mathematical Statistician and Engineering Applications ISSN: 2094-0343 2326-9865, Publication Issue: Vol 71 No. 4 (2022) , August 2022

13. B. Obulesu, "Vehicle Monitoring System using Arduino", Journal of Control System and Control Instrumentation, Volume-8, Issue-2 (May-August, 2022), Page 1-8 © MAT Journals 2022.

14. Sandip Swarnakar, Surya Pavan Kumar Anguluri, Alluru Sreevani, Santosh Kumar, "A novel structure of all-optical optimised NAND, NOR and XNOR logic gates employing a Y-shaped plasmonic waveguide for better performance and high-speed computations," Optical and Quantum Electronics, Vol. 54, No. 530, 1-17, 18 July, 2022 (SCI, IF: 2.084). https://doi.org/10.1007/s11082-022-03911-5

15. Rupalin Nanda, Ramakrushna Rath, Sandip Swarnakar, Santosh Kumar, "Design of all-optical directional coupler using plasmonic MIM waveguide for switching applications," Plasmonics, Vol. 17, 2153–2159 (2022), 27 July, 2022 (SCI, IF: 2.726).

16. Dr.T.Tirupal, "Multimodal Medical Image Fusion based on Sugeno's Intuitionistic Fuzzy Sets", ETRI Journal (Electronics and Telecommunications Research Institute), an SCI Free Journal with UGC (Journal No. 20126), vol.39, no.2, pp.173-180, April 2017, ISSN: 1225-6463.https://doi.org/10.4218/etrij.17.0116.0568. Publisher: Wiley

17. V Priyanka1 , K Pavan Kumar2 , L Rakesh2* , N Mahesh2 , K Sai Kiran2 ," Radar Based Object Detection using Ultrasonic Sensor", Page 7-14 © MAT Journals 2022. Volume-8, Issue-2 (May-August, 2022)

18. V. Priyanka1 , N Hema Priya2*, P Kavitha2 , A Charani2 , Manisha2 , D Bharani Kumari2 "Smart Life Saver System for Scuba Divers using GSM Module", Volume-7, Issue-2 (May-August, 2022), Page 1-7 © MAT Journals 2022, Journal of Switching Hub

19. B.Obulesu "Retina Blood Vessels Extraction Using Kirsch's Template Method", IJARST, Volume 12, Issue 06, Jun 2022 ISSN 2457 – 0362.

20. S. Towseef Ahmed "IOT BASED FISHERMAN BORDER ALERT AND ENGINE CONTROL SECURITY SYSTEM", IJARST, Volume 12, Issue 06, Jun 2022 ISSN 2457 – 0362

21. S. Towseef Ahmed, "Google Assistant Controlled Smart Home", IJIEMR, volume 11, Issue 06, Pages: 1561-1566

22. B.Obulesu "SMART CAR PARKING SYSTEM USING ARDUINOUNO", IJRDST, Volume 06, Issue 06, Jun 2022 ISSN 2581 – 4575.

23. S. Towseef Ahmed "Quality analysis of GNSS-TEC measurements based on Smartphone and Septentrio receiver", IJRDST, Volume 06, Issue 06, Jun 2022 ISSN 2581 – 4575.

24. B.Obulesu 1 "Power and Area Constrained Crosstalk Elimination Circuit for High-Speed VLSI Interconnects", NeuroQuantology, June 2022, Volume 20, Issue 6, Page 705-717, doi: 10.14704/nq.2022.20.6.NQ22067, eISSN 1303-5150.

25. T.Tirupal, K.Joshna, M.Laharika, A.Gouthami, M.Dhana Lakshmi, "Microcontroller based automatic Sun tracking solar panel", Journal of Electronics and Communication Systems, vol.7, no.2, pp.1-8, June 2022. DOI: https://doi.org/10.46610/JOECS.2022.v07i02.001. http://matjournals.co.in/index.php/JoECS/article/view/731

26. T.Tirupal, N.Chakradhar Reddy, M.Jayasurya Raj, Shaik Jeelan, "Face Mask Detection Using Convolutional Neural Network", Journal of Analog and Digital Communications, vol.7, no.2, pp.1-7, June 2022. DOI: https://doi.org/10.46610/JOADC.2022.v07i02.001, http://matjournals.co.in/index.php/JoADC/article/view/690

27. T.Tirupal, T.M.Sandhya, T.Sai Rishitha, V.B.Susmitha, C.Vimala, "GUI Based Optical Character Recognition using Neural Networks", Journal of Analog and Digital Devices, vol.7, no.2, pp.12-22, June 2022. DOI: https://doi.org/10.46610/JoADD.2022.v07i02.003 http://matjournals.co.in/index.php/JoADD/article/view/685

f. Details of the publications in various Conferences during 2022-23:

1. B Ravi Chandra, Krishan Kumar "Rat swarm optimizer (RSO): A Novel Swarm Intelligence-Based Optimization Algorithm for Tackling Difficult Optimization Problems" SoCPaR 2022: 14th International Conference on Soft Computing and Pattern Recognition15 Dec 2022.

2. Sandip Swarnakar, Rachana Maddala, SathooriSai Krishna Goud, Paitipalli Mohan Kumar, Moksha Naga Chandra Sekhar, Shaik Nawaz Basha, Santosh Kumar "Modeling and simulation of photonic crystal switching devices for high computational applications," SPIE Photonics Asia, Optoelectronic Devices and Integration XI, Beijing, China, 21- 23 October 2022.

g. Details of the faculty who attended Workshops/STTPs/FDPs:

1. Dr T Tirupal Participated in a one week online Faculty Development Program on "Advances in Wireless and Antenna Technology" during 7th November to 12th November 2022 organized by Department of ECE, KLE Technological University, Belgavi in Association with MathWorks.

2. Dr. N. Ramamurthy has participated in one week Faculty Development Program on "Advance in wireless and Antenna Technology" during 7th to 12th November, 2022.

3. Advances in Wireless and Antenna Technology, Conducted by Department of Electronics and Communication Engineering from 7th - 12th November 2022 in associations with MathWorks.

4. Dr. K.C.T.Swamy has participated in one week Faculty Development Program on "Advance in wireless and Antenna Technology" during 7th to 12th November, 2022.

5. M Krishna Reddy has participated in one week Faculty Development Program on "Advance in wireless and Antenna Technology" during 7th to 12th November, 2022.

6. Y Bhanu Priya has participated in one week Faculty Development Program on "Advance in wireless and Antenna Technology" during 7th to 12th November, 2022.

7. B Obulesu has participated in one week Faculty Development Program on "Advance in wireless and Antenna Technology" during 7th to 12th November, 2022.

8. G Rakesh has participated in one week Faculty Development Program on "Advance in wireless and Antenna Technology" during 7th to 12th November, 2022.

9. G Ramarao has participated in "Research Conclave on Artificial

Intelligence in Engineering" conducted by ECE, CSE during 6th to 8th October, 2022.

10. B Ravi Chandra has successfully participated in the one day industry oriented workshop on "Research Trends and Research Perspectives on VLSI and Power Electronics" at VIT-AP University, Amaravathi during 4th October 2022

11. B   Ravi Chandra has successfully participated in the international workshop "7 Secrets to Mastering Effective Communications Skills English" on 9th October, 2022.

12. Y. Bhanu Priya has participated and successfully completed of 30 hours live training program "Python Programming and SQL" held from 4th October to 26th October, 2022

13. G Rakesh Kumar has successfully participated in the one day industry oriented workshop on "Research Trends and Research Perspectives on VLSI and Power Electronics" at VIT-AP University, Amaravathi during 4th October 2022

14. Syed Ishrath has successfully participated in the one day industry oriented workshop on "Research Trends and Research Perspectives on VLSI and Power Electronics" at VIT-AP University, Amaravathi during 4th October 2022

15. B Venkatesu has successfully participated in the one day industry oriented workshop on "Research Trends and Research Perspectives on VLSI and Power Electronics" at VIT-AP University, Amaravathi during 4th October 2022

16. B Ravi Chandra has successfully completed the learning "AI/ML" webinar organized by the department of ECE held on October 9th, 2022.

17. G Rakesh Kumar has successfully completed the learning "AI/ML" webinar organized by the department of ECE held on October 9th, 2022.

18. K Uma Maheswari has successfully completed five week faculty development program on "Familiarization   Sessions On Filing Ip In Real-Time" which was conducted during Sep 03 – Oct 01, 2022 with a consolidate score of 60%

19. Dr. N. Ramamurthy has participated in one week online Faculty Development Program on "Python Programming and its Applications" during 26th to 30th September, 2022.

20. Dr. K.C.T.Swamy has participated in one week online Faculty Development Program on "Python Programming and its Applications" during 26th to 30th September, 2022.

21. Dr. Sandip Swarnakar has participated in one week online Faculty Development Program on "Python Programming and its Applications" during 26th to 30th September, 2022.

22. Dr. Sandip Swarnakar has participated in one week online Faculty Development Program on "Python Programming and its Applications" during 26th to 30th September, 2022.

23. B.Obulesu has participated in one week online Faculty Development Program on "Python Programming and its Applications" during 26th to 30th September, 2022.

24. T.Suman has participated in one week online Faculty Development Program on "Python Programming and its Applications" during 26th to 30th September, 2022.

25. B. Venkatesu has participated in one week online Faculty Development Program on "Python Programming and its Applications" during 26th to 30th September, 2022.

26. G Rakesh Kumar has participated in "simulation in NS-2 & NS-3" webinar organized by IEEE Robotics & Automation Society JSSATE, Noida [BC05571A] on September 17, 2022.

27. Dr.T.Tirupal, Participated in a one week Faculty Development Program on "Amazon Web Services" during 22nd Aug to 27th Aug 2022 organized by Department of CSE, Vardhaman college of Engineering, Hyderabad.

28. Dr.T.Tirupal, acted as coordinator in "Smart India Hackathon" 2022 for grand finale which was held during 25th Aug to 26th Aug 2022.

29. K Uma Maheswari, acted as coordinator in "Smart India Hackathon" 2022 for grand finale which was held during 25th Aug to 26th Aug 2022.

30. B. Venkatesu, acted as coordinator in "Smart India Hackathon" 2022 for grand finale which was held during 25th Aug to 26th Aug 2022.

31. B Venkatesu has participated in the one week Faculty Development Programme "VLSI Exposure and it's Challenges in Engineering" organized by Department of ECE, Krishna University College, during 11th July to 15th July, 2022.

32. Obulesu Battari has participated in the one week Faculty Development Programme "VLSI Exposure and it's Challenges in Engineering" organized by Department of ECE, Krishna University College, during 11th July to 15th July, 2022.

33. G Ramarao has attended the online course work on "Research Methodology" conducted by R&D, JNTUK, Kakinada during 4th to 23rd July, 2022.

34. S Towseef Ahmed participated in the Faculty Development Programme "VLSI Exposure and it's Challenges in Engineering" conducted in Krishna University College of Engineering and Technology, Krishna University Conducted from 11th July 2022 to 15th July 2022.

35. G Rakesh Kumar for successfully completing faculty development programme for the course "System Design through Verilog", conducted by NPTEL-AICTE. With a consolidated score of 79%.

36. M Krishna Reddy for successfully completing faculty development programme for the course "Introduction to Research", conducted by NPTEL-AICTE. With a consolidated score of 70%.

37. B Eramma for successfully completing faculty development programme for the course "Introduction to internet of Things", conducted by NPTEL-AICTE. With a consolidated score of 80%.

38. B Venkatesu for successfully completing faculty development programme for the course "Introduction to Research", conducted by NPTEL-AICTE. With a consolidated score of 53%.

39. B Ravi Chandra for successfully completing faculty development programme for the course "Introduction to internet of Things", conducted by NPTEL-AICTE. With a consolidated score of 55%.

40. Dr.T.Tirupal, Participated in a one week National level Faculty Development Program on "Current Research Trends in Artificial Intelligence and Machine Learning" during 7th March to 11th March 2022 organized by Department of CSE, GATES Institute of Technology, Gooty, Ananthapuramu

41. V Priyanka for successfully completing faculty development programme for the course "CMOS Digital VLSI Design", conducted by NPTEL-AICTE. With a consolidated score of 68%.

42. Y Bhanu Priya for successfully completing faculty development programme for the course "CMOS Digital VLSI Design", conducted by

NPTEL-AICTE. With a consolidated score of 55%.

43. S Towseef Ahmed participated in Five Day National Level Online - Faculty Development Program on Current Research Trends in Artificial Intelligence and Machine Learning (7th - 11th March 2022)
44. T.Suman has participated in five day online Faculty Development Programme on "Advanced Technologies & Challenges in Electronics and Communication Engineering" held during 8th – 12th March, 2022.
45. Obulesu Battari for successfully completed "FPGA – Fabric, Design and Architecture" on 29-June-2022, conducted by OSFPGS foundation
46. Obulesu Battari has completed the online internship program on "System verilog Based Verification" from May 6, 2021 to Jun 22, 2021.

h. Details of the faculty who organized Conferences/Workshops/STTPs/FDPs:

S.NO	DATE	TITLE OF WORKSHOP
1.	30-12-2022	"Innovation & Entrepreneurship Outreach Program in Schools/Community"
2.	08-11-2022	A working model Exhibition of AAVISHKAAR-2022
3.	19 to 21-10-2022	Workshop on Full Stack Web Development with Python
4.	02-09-2022	Expert Lecture on "OPPORTUNITIES IN CORE COMPANIES"
5.	17-09-2022	Compose Camp which is used to develop the android app using Jetpack compos

i. Details of Certifications done by the faculty, if any:

Sl.no	Name of the Faculty	Title	Organization	Date of Certification
1	Mr G RamaRao	Real-Time Digital signal processing	NPTEL	Jul-Oct-2022(12weeks)
2	Mr B Ravi Chandra	Introduction to Internet of Things	NPTEL	Jul-Oct-2022(12weeks)
3	Mr M Krishna Reddy	Introduction to Research	NPTEL	Aug-Oct-2022(8 weeks)
4	Mrs S Fowzia Sultana	Introduction to Research	NPTEL	Aug-Oct-2022(8 weeks)
5	Mrs S Fowzia Sultana	Principals of signal estimation for MIMO/OFDM wireless communication	NPTEL	Jul-Oct-2022(12weeks)
6	Mrs S Fowzia Sultana	Applied Accelerated Artificial Intelligence	NPTEL	Jul-Oct-2022(12weeks)
7	Mrs K Uma Maheswari	System Design Through Verilog	NPTEL	Jul-Sep-2022
8	Mr G Rakesh Kumar	System Design Through Verilog	NPTEL	Jul-Sep-2022
9	Mrs B Eramma	Introduction to Internet of Things	NPTEL	Jul-Oct-2022(12weeks)
10	Mr B Venkatesu	Introduction to research	NPTEL	Aug-Oct-2022(8 weeks)
11	Ms Y Bhanu Priya	System Design Through Verilog	NPTEL	Jul-Sep-2021
12	Ms Y Bhanu Priya	CMOS Digital VLSI Design	NPTEL	Jan-Mar-2022
13	Mrs V Priyanka	CMOS Digital VLSI Design	NPTEL	Jan-Mar-2022

j. Details of the faculty who have got Awards:

Sl.no	Name of the Faculty	Name of the Award/Achievement	Name of Awarding Agency	Date of Award
1	Dr T Tirupal	Research Excellence Award-2022	INSC Institute of Scholars	07-2021
2	Dr N Ramamurthy	Distinguished Researcher Awar-2021	I2OR	2022
3	Mr B Ravi Chandra	Distinguished Researcher Awar-2022	I2OR	07-2022
4	Dr Sandip Swarnakar	Excellence Research Award (Engineering) 2022	IARE (GISR Foundation)	30-07-2022

k. Details of Patents published/awarded and product development, if any:

Sl.no	Name of the Faculty	Title of the Patent	Patent Number	Date of Publication
1	Sandip Swarnakar B Ravi Chandra, Maddikera Krishna Reddy, V. Priyanka, Y Bhanu Priya	"An Electronic Organ Assembly With Transient Noise Reduction"	TEMP/E-1/71350/2022-CHE	18/11/2022.
2	Dr.N.Ramamurthy, Mr.T.Suman, Mrs.S.Fowzia Sultana, Mrs.K.Umamaheswari, Mrs.B.Eramma	"Surveillance Drone for Security Applications",	202241026079	20/05/2022.
3	Dr. K.C.T. Swamy, Dr. N. Ramamurthy, Mr. B. Obulesu, Mr.T.Suman, Mr. Y.Hazarathaiah, Mr. S. Towseef Ahmed, Mrs. V Sowmya Sree, Mrs. Y Indira Priya Darshini	"Intelligent wearable sensor for covid-19 patient monitoring"	202241010355 A,	29/04/2022

l. Details of fabricated projects, if any that leads to product development in future:

m. Details of revenue generated through consultancy:

n. Details of faculty interaction with outside world (industry/research centres/ educational institutions, etc):

o. Details of faculty awards/recognition:

p. Preparation of e-learning materials (SWAYAM, MOOCs, NMEICT, etc):

q. Number of guest lectures delivered / acted as reviewer or editorial committee

r. Number of faculty who completed certification courses:
   Total Faculty are: 04

4. **Other Information:**

   a. Are the minutes of the meeting of the
      Departmental Committee maintained   : YES

   b. Number of MoUs / collaborations signed with organization/institution: YES

c. How many National/ International acclaimed experts visited the department (Date, Name of the Expert, Designation, Organization and Purpose):

d. Details of new facilities added during 2020-21:
Established IoT Lab and procured the following Equipment

e. Details of newsletters / magazines etc published:

News Letter is being published for every semester in Academic year

Magazine is being published four issues for every Academic year

f. Future plans of the department:

To establish advanced Laboratories like Signal & Image Processing.

To enhance Cadence Lab to PG bundle.

To get Funding projects from various Funding Agencies like SERB, AICTE, ISRO.

To train the students in getting 100% pass percentage.

To train the students in getting 100% placements.

To Conduct advanced workshops on latest technologies like Artificial Intelligence, Data Science and Machine Learning.

5. SWOC Analysis:

a. **Strengths:**
   1. Qualified, experienced and dedicated teaching faculty with good retention ratio.
   2. Laboratories with State of the Art equipment and modern software tools.
   3. Faculty contributing in design development and implementation of curriculum in Board of Studies of an Affiliating University.
   4. Effective use of ICT in teaching learning process.
   5. Student centric functioning with mentoring, counselling through teachers and Effective academic monitoring.
   6. Active NSS Unit.
   7. Professional Society Chapters in the department.
   8. Safe and Secured Environment for girl students.

b. **Weakness:**
   1. Less Industry – Institute interaction.
   2. Moderate Placement ratio.
   3. Institute lacks in revenue generation.
   4. Less student pursuing higher education.
   5. Involvement of Alumni is less.

c. **Opportunities:**
   1. To arrange more number of FDPs /STTPS/ National Level /International Level conferences.
   2. To arrange specialized Training programs by the faculty.
   3. Scope for interdisciplinary and sponsored projects.

d. **Challenges:**
   1. Strengthen Industry-Department Interaction.
   2. More placements in core companies.
   3. Encouraging students for competitive examinations and higher studies.
   4. Networking and strengthening relationship with stakeholders.
   5. More focus on Industrial training for faculty and students.

6. Suggestions / Recommendations of the Committee:

Thirup...
i.11/23
Signature of the HOD with date

Signature of EAA Member – 1

Designation: Professor

Address: Dept. of CSE

Mobile Number: 8142781437

e-mail: MRUDRA KUMAR@GMAIL

Signature of EAA Member – 2

Designation: Associate Professor.

Address: Dept of CSE

Mobile Number: 9440457656.

e-mail: riyaz@gpcet.ac.in

G.Pullaiah College Engineering and Technology:: Kurnool
Proforma for Internal Academic Audit
Academic Year: 2022-2023
Semester:
Part – A: General Information

CSE

1. Name of the department: CSE

2. Year of establishment:2007

3. Programmes offered:

   3.1 UG Programmes: B.Tech - CSE

   3.2 PG Programmes: M.Tech - CSE

4. Accreditation Status: NBA ACCREDITED

5. Details of the Faculty:

S.No	Name	Qualification	Designation	Specialization	Experience
1	Dr. S. Prem Kumar	Ph.D	Professor	E-Governance	26
2	Dr.K.Sreenivasulu	Ph.D	Professor	CSE	21
3	Dr. Mohammad Riyaz	Ph.D	Professor	CSE	20
4	Dr.M.Rudra Kumar	Ph.D	Professor	CSE	20
5	M.Sri Lakshmi	M.Tech,(Ph.D)	Associate Professor	CSE	12
6	Dr.Jahir Pasha	Ph.D	Associate Professor	CSE	10
7	G.Gopinath	M.Tech	Associate Professor	CSE	15
8	G.Vamsidhar	M.Tech	Assistant Professor	CSE	10
9	D.Jayanarayana Reddy	M.Tech,(Ph.D)	Assistant Professor	CSE	10
10	N. Parashuram	M.Tech,(Ph.D)	Assistant Professor	NN	10
11	K.Lakshmi	M.Tech	Assistant Professor	CSE	10

1

12	R.Varaprasad	M.Tech	Assistant Professor	CSE	12
13	M.Sri Raghavendra	M.Tech,(Ph.D)	Assistant Professor	CSE	10
14	P .Siva Kumar	M.Tech	Assistant Professor	CSE	6
15	T N.Bala Krishna	M.Tech	Assistant Professor	CSE	4
16	B.Deena Divya Nayomi	M.Tech	Assistant Professor	CSE	6
17	G.Sreenivasulu	M.Tech	Assistant Professor	CSE	3
18	U.Supriya	M.Tech	Assistant Professor	CSE	7
19	V.Sravani	M.Tech	Assistant Professor	CSE	3
20	Ameena Yasmeen	M.Tech	Assistant Professor	CSE	4
21	M.Jaya Sunitha	M.Tech	Assistant Professor	CSE	2
22	B.Sowjanya	M.Tech	Assistant Professor	CSE	2
23	B.Roja Ramani	M.Tech	Assistant Professor	CSE	2
24	K.Venkateswarlu	M.Tech	Assistant Professor	CSE	1

6. Details of non-teaching staff:

S.No	Name	Qualification	Designation
1	P.Mallikarjuna Reddy	Diploma	System Administrator
2	K.Radha shyama sundara Achary	B.Tech	System Administrator
3	K.Thejeswari	B.Tech	Programmer
4	S.Upesh naga kethan	B.Tech	Programmer

7. Admission Status:

   a. No. of students admitted::

Programme	Academic year 2022-23	
	Sanctioned	Admitted
UG (Specialization)	180	180
PG (Specialization)	18	2

8. Budget Allocation and Utilization during the year:

Academic Year	Total Budget Allocated		Total Budget Utilized		Remarks
	Non-Recurring	Recurring	Non-Recurring	Recurring	
2022-23	-	-	-	-	-

9. Physical Resources Available:

   a. Number of classrooms: 06
   b. Number of faculty rooms:01
   c. Number of staff rooms:01
   d. Available ICT tools in classrooms:03
   e. Laboratories:

S.No	Name of the Laboratory	Total Cost of Equipment (Non-consumable)
1	OOPs Through Java Lab	860960
2	Database Management Systems Lab	742898
3	Design of Algorithms Lab	1380638
4	Web Technologies Lab	927258
5	AAD lab	902090
6	Web Designing Lab	1362898
7	Cloud Computing Lab	683450
8	Data Mining Lab	515450
9	Artificial Intelligence Lab	515950
10	MAD Lab	1350000
11	Machine Learning Lab	675000

f. Department Library
   Number of Titles: 200
   Number of Volumes: -
   Number of Theses: -
   Number of CDs, CBTs, etc: -

Part - B

1. Curriculum:

a. Is the Curriculum updated (Yes / No)   : Yes

b. If 'Yes", mention the changes made in detail and the reasons for the same:
   Universal Human Values subject has been assigned 3 credits.

c. Details of value addition courses, if any   :

d. Are the changes made in tune with the feedback of the employers/ industrial
   experts / academicians / parents / alumni? (Provide the surveys as an attachment):

2. Teaching and Learning Process:

a. Student to Teacher Ratio (STR):

	Academic year 2022-23
Sanctioned intake (UG) N1	180
Sanctioned intake (lateral entry) (UG) N2	36
Sanctioned intake (PG1) N3	18
Total number of students [(N1+N2) X 3] + [(N3x2)]	720
Total number of faculty	24
Student Faculty Ratio	30

b. Percentage of faculty using ICT for effective teaching and learning mechanism:

No. of faculty on roll	Number of faculty using ICT tools	Available ICT tools and resources	Number of ICT enabled rooms	e-resources and techniques used
24	12	NPTEL videos	2	NPTEL videos e-journals (IEEE-ASPP, JGATE,Delnet)

4

c. Students academic performance (outgoing batch result analysis):

Number of students appeared 2022 Passed Out	Number of students passed in distinction	Number of students passed in first class	Number of students passed in second class	Number of students passed in pass class
174	103	40	05	-

d. Innovative processes adopted in teaching-learning process:

i. Modern teaching methodologies like ICT based learning, Student Learning center are being employed to create interest among the students.

ii. LCD projectors with necessary screens are consistently used in the class-room lecture delivery.

iii. Internet facility is provided to students for deeper inquiry into their subjects.

iv. The technologies are used even in the co-curricular activities during seminars, workshops etc. Every classroom is enabled with Wi-Fi connection for better learning.

v. Priority is given to learning through hands on experience where in the students are made to perform various lab programs to understand the concept better. In order to do so, the lab programs are also designed in such a manner so as to be aligned with the concepts being learned in the class.

vi. Continuous mentoring and guidance is provided to students through their research mentors to improve their knowledge in various subjects. The students are segregated into various research groups based on their interest.

vii. Regular remedial classes after the normal classes are being conducted for slow learners who are identified through various assessments.

viii. The students are also encouraged to take up NPTEL certifications to improve their domain knowledge.

ix. Regular assessment tests are also conducted to analyze the learning capabilities of students.

x. The website has been designed in such a manner where in all the data required by the student is made available. The lecture notes along with previous years question papers are also placed in the website for the benefit of students. Video lectures of the faculty on important topics are also placed in the website so that it enables the student to have an idea about the topic before he or she comes to the class.

e. Status of student mentoring system and action taken:

Continues mentoring and guidance is provided to students through their research mentors to improve their knowledge in various subjects. The students are segregated into various research groups based on their interest.

Facilities being created for the above:

Research groups have been created in the departments. The various projects taken up by the students also relate to their research groups.

f. Achievements and Recognitions of students:
Students are encouraged to participate in various activities conducted in various institutions.

g. Details of scholarships/financial support by various organizations:

Name of the organization	Name of the scheme	Number of students	Amount
-	-	-	-

h. Students participation in various co-curricular and extra-curricular activities (seminars, conferences, workshops, industrial tours, training sessions, sports, etc)
Training sessions are being conducted for advanced learners on certification courses like AWS Virtual Internship Certification, AZURE, Python full stack, Machine Learning.

i. Status of remedial classes for slow learners and GATE/CAT, etc classes for advanced learners:
Regular remedial classes after the normal classes are being conducted for slow learners who are identified through various assessments.
GATE coaching is been given by the senior faculty in the department for advanced learners.
Advanced learners are also been given Training on Certification Courses like CLAD & Web development.

j Are the faculty members maintaining the course files? (course file shall consists of class time-table copy, syllabus copy along with outcomes, lesson plan, sessional and end examination question papers, assignment, quiz, sessional marks, result analysis, CO attainment, mapping of CO and PO, class notes, hard copies PPTs)
Yes, faculty members are maintaining the course files

k.Company wise details of the students placed (on-campus and off-campus) and details of the students qualified in various competitive examination (attach proofs)
99 students from 2019 batch were selected for various companies.

l. Details about the number of students undergone for summer internship/internship and certification courses: 16

m. CO and PO attainment:

Performed all CO-PO attainment

j. Best projects/Industry projects:
k. Content beyond the curriculum:
l. Whether the employers, alumni and program exit surveys are considered for the attainment calculations or not? If yes, attach proofs

Yes

m. Whether the Student Satisfactory Survey is conducted or not? If yes, attach proofs

Yes

3. Faculty Research and Innovation:

a. Details of the faculty information:

S.No	Name of the Faculty	Designation	Total number of publications in journals and conferences	ORCID number	Scopus Id	h-index
1	Dr K.Sreenivasulu	Professor	12	https://orcid.org/0000-0001-6099-2724	-	2
2	Dr M.Rudra Kumar	Professor	20	https://orcid.org/0000-0002-8114-5759	-	7
3	Dr. Mohammad Riyaz Belgaum	Associate Professor	78	0000-0002-6155-1530	https://www.scopus.com/authid/detail.uri?authorId=57195643686)	11
4	Mrs M.Srilakshmi	Associate Professor	2	0000-0002-4608-6829	-	3

| 5 | Dr.Jahir Pasha | Associate Professor | 18 | https://orcid.org/0000-0002-8309-8845 | https://www.scopus.com/authid/detail.uri?authorId=57189247597 | 2 |
| 6 | N.Parashuram | Assisstant Professor | 1 | 0000-0002-4294-9535 | - | 27 |

b. Details of research proposals submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Sponsoring Agency	Cost of the project	Year of sanctioned	Status
-	-	-	-	-	-	-

c. Details of in-house projects submitted/sanctioned/ on-going/ completed by the faculty members:

S.No	Name of the faculty	Title of the Project	Cost of the project	Year of sanctioned	Status
-	-	-	-	-	-

d. Major addition to the infrastructure of the department through project funding (List the equipments/ facilities and costs) :

S.No.	Equipment	2022-23 (Cost in Rs.)
-	-	-
-	-	-
-	-	-

e. Details of the publications in various journals during 2022-23:

S.No.	Name of the Faculty	Details of the Publication	Whether Scopus or not	Whether First Author/Second Author/Third Author
1	R. Varaprasad	International Journal of Latest Engineering Research and Applications (IJLERA) ISSN: 2455-7137 Volume – 07, Issue – 10,	UGC	Second Author

		October 2022		
2	Dr.M. Jahir Pasha	Measurement: Sensors	Elsevier	First Author
3	K Sreenivasulu	Measurement: Sensors	Elsevier	Third Author
4	Dr K. Sreenivasulu	NeuroQuantology | June 2022 | Volume 20 | Issue 6 | Page 8186-8193 | doi: 10.14704/nq.2022.20.6.NQ2281	Scopus	First Author
5	B.Deena Divya Nayomi	NeuroQuantology | June 2022 | Volume 20 | Issue 6 | Page 8186-8193 | doi: 10.14704/nq.2022.20.6.NQ2281	Scopus	Second Author
6	K.Lakshmi	NeuroQuantology | June 2022 | Volume 20 | Issue 6 | Page 8186-8193 | doi: 10.14704/nq.2022.20.6.NQ2281	Scopus	Third Author
7	Mohammad Riyaz Belgaum	PeerJ Comput. Sci. 8:e1135 DOI 10.7717/peerj-cs.1135	SCI	Third Author
8	R Varaprasad	International Journal of Advanced Research in Science,Communication and Technology (IJARSCT) Volume 2, Issue 1, October 2022	UGC	Second Author
9	R Varaprasad	South Asian Research Journal of Engineering and Technology ISSN 2664-4150 (Print) & ISSN 2664-794X (Online), Volume-4 | Issue-5 | Sept-Oct- 2022, DOI: 10.36346/sarjet.2022.v04i05.00X	SCI	Second Author
10	M.Srilakshmi	International Journal of Intelligent Systems and Applications in Engineering (IJISAE), volume 10(1s).	Scopus	Second Author
11	M. Rudra Kumar	International Journal of Intelligent Systems and Applications in Engineering (IJISAE), volume 10(1s)..	Scopus	Third Author
12	Dr. Prem Kumar Singuluri	International Journal of Intelligent Systems And Applications In Engineering (www.ijisae.org), 10(1s), 262–269	Scopus	Second Author
13	M. Rudra Kumar	International Journal of Intelligent Systems And Applications In Engineering (www.ijisae.org), 10(1s), 262–269	Scopus	Third Author
14	Dr. K. Sreenivasulu	NeuroQuantology, VOLUME 20 | ISSUE 11 | PAGE 4800-4808	Scopus	Second Author
15	Dr. M. Rudra Kumar	NeuroQuantology, VOLUME 20 | ISSUE 11 | PAGE 4800-4808	Scopus	Third Author
16	Dr. M. Rudra Kumar	Frontiers in Oncology 17 June 2022 https://doi.org/10.3389/fonc.2022.886739	SCI	Second Author
17	B.Roja	Journal of Positive School Psychology	Scopus	First Author

	Ramani	http://journalppw.com2022, Vol. 6, No. 37956–7963		
18	B.Sowjanya	Journal of Positive School Psychology http://journalppw.com2022 Vol. 6, No. 37956–7963	Scopus	Second Author
19	K. Sireesha	Journal of Positive School Psychology http://journalppw.com2022 Vol. 6, No. 37956–7963	Scopus	Third Author
20	M.Srilakshmi	International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 10 Issue: 2s DOI: https://doi.org/10.17762/ijritcc.v10i2s.5948	Scopus	First Author
21	Dr.M. Jahir Pasha	International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321	Scopus	Third Author

f. Details of the publications in various conferences during 2022-2023:

S.No.	Details of the Publication	Whether indexed in Scopus or not	Whether First Author/Second Author/Third Author
1	2022 International Conference on Inventive Computation Technologies (ICICT)	Scopus	First Author
2	2022 3rd International Conference on Electronics and Sustainable Communication Systems (ICESC)	Scopus	First Author
3	National Conference on Advances in Computer Science and Engineering (NCACSE-22)	Scopus	Third Author

g. Details of the faculty who attended Workshops/STTPs/FDPs:

S. No	Name of the faculty	Name of the workshop/STTP/FDP	Duration	Organized by	Online/ Offline
1	Dr.S.Prem Kumar	Cloud Computing and its Applications	1 Week	G. PULLAREDDY ENGINEERING COLLEGE, Kurnool	Online
2	M.Rudra Kumar	Research Trends in AI, IOT & Ethical Hacking	5 Days	Annamacharya Institute Of Technology And	Online

				Sciences Utukuru (P),C.K.Dinne (V&M), Kadapa,A.P	
3	N Parashuram	A Holistic approach for Sustainable and Smart Agriculture using AI and Deep Learning Techniques	2 Weeks	Koneru Lakshmaiah Education Foundation Deemed To B University Off Campus Aziznagar Hyderabad	Offline
4	R Varaprasad	Amazon Web Services	1 Week	G. Pulla Reddy Engineering College(Autonomous): Kurnool	Online
5	M.Jaya Sunitha	Unleashing Emerging Research Trends and Advancements	10 Days	School of Computer Science and Engineering, VIT-AP University, Amaravati	Online
6	M.Jaya Sunitha	ETL – Data Warehousing Tools	5 Days	G. Pulla Reddy Engineering College (Autonomous): Kurnool - 518007	Online
7	M.Jaya Sunitha	Emerging Technologies	2 Weeks	Department of Science and Technology (DST), Govt. of India	Online
8	M.Jaya Sunitha	Recent Advancement in Machine Learning and Deep Learning	2 Days	VITAP University, Amaravati	Online
9	K.Lakshmi	ETL – Data Warehousing Tools	5 Days	G. Pulla Reddy Engineering College (Autonomous): Kurnool - 518007	Online
10	K.Lakshmi	Emerging Technologies	2 Weeks	Department of Science and Technology (DST), Govt. of India	Online
11	K.Lakshmi	5G: A Catalyst for the Next Wave of Innovation & Digital Transformation	1 Day	Sridhar Chitraju, Program Director, CTO CoE, Kyndryl	Online
12	K.Lakshmi	Amazon Web Services	1 Week	Sridevi Women's Engineering College,Hyd	Online
13	B.Roja Ramani	ETL – Data Warehousing Tools	5 Days	G. Pulla Reddy Engineering College (Autonomous): Kurnool - 518007	Online
14	B.Roja Ramani	Recent Advancement in Machine Learning and Deep Learning	2 Days	VITAP University, Amaravati	Online

15	B.Deena Divya Nayomi	ETL – Data Warehousing Tools	5 Days	G. Pulla Reddy Engineering College (Autonomous): Kurnool - 518007	Online
16	B.Deena Divya Nayomi	5G: A Catalyst for the Next Wave of Innovation & Digital Transformation	1 Day	Sridhar Chitraju, Program Director, CTO CoE, Kyndryl	Online
17	D Jaya Narayana Reddy	Roadmap and Essentials of Data Science	1 Day	G.Pulla Reddy Engineering College (Autonomous), Kurnool-518007	Online
18	D Jaya Narayana Reddy	Recent Trends in Machine Learning Techniques and its Applications using Python	2 Weeks	E&ICT Academy, IIITDM,KNL, MLR Institute of Technology, HYD	Online
19	D Jaya Narayana Reddy	5G: A Catalyst for the Next Wave of Innovation & Digital Transformation	1 Day	Sridhar Chitraju, Program Director, CTO CoE, Kyndryl	Online
20	D Jaya Narayana Reddy	Avoid Regression Bugs into Development & Data Vault and Ter data	2 Weeks	NPTEL	Online
21	M.Srilakshmi	ETL – Data Warehousing Tools	5 Days	G. Pulla Reddy Engineering College (Autonomous): Kurnool - 518007	Online
22	M.Srilakshmi	5G: A Catalyst for the Next Wave of Innovation & Digital Transformation	1 Day	Sridhar Chitraju, Program Director, CTO CoE, Kyndryl	Online
23	M.Srilakshmi	Amazon Web Services	1 Week	Sridevi Women's Engineering College,Hyd	Online
24	Dr. Mohammad Riyaz Belgaum	5G: A Catalyst for the Next Wave of Innovation & Digital Transformation	1 Day	Sridhar Chitraju, Program Director, CTO CoE, Kyndryl	Online
25	Dr. Mohammad Riyaz Belgaum	Amazon Web Services	1 Week	Sridevi Women's Engineering College,Hyd	Online
26	Dr M Jahir pasha	Accreditation and outcome-based learning	2 Weeks	NPTEL-IIT Madras	Online
27	Dr K Sreenivasulu	Research Trends in AI, IOT & Ethical Hacking	5 Days	Annamacharya Institute Of Technology And	Online

				Sciences Utukuru (P),C.K.Dinne (V&M), Kadapa,A.P	
28	Dr M Jahir pasha	ETL – Data Warehousing Tools	5 Days	G. Pulla Reddy Engineering College (Autonomous): Kurnool - 518007	Online
29		Computer Networks and Internet Protocol	8 Weeks	NPTEL-IIT Madras	Online

h. Details of the faculty who organized Conferences/Workshops/STTPs/FDPs:

S.No.	Name of the faculty	Name of the conference/Workshop/FDP's	Duration	No. of participants
1	M. Srilakshmi	Amazon Web Services	1 Week	1500
2	K.Lakshmi	Amazon Web Services	1 Week	1500
3	B.Roja Ramani	Amazon Web Services	1 Week	1500
4	M.Jaya Sunitha	Amazon Web Services	1 Week	1500

i. Details of books/book chapters authored by the faculty:

1. Information Systems Audit Framework For E-Governance Applications, Dr.S.Prem Kumar

j. Details of Patents published/awarded and product development, if any:

S.No	Name Of the Faculty	Title	Published /Awarded
1	DR.S.Prem Kumar	Artificial Intelligence Controlled Vacuum Cleaning System	Published
2	Ms. M. Srilakshmi	A System For Fault Detection Of A Vehicle Based On Deep Learning And Working Method Thereof	Published
3	Dr. S. Premkumar	A System For Fault Detection Of A Vehicle Based On Deep Learning And Working Method Thereof	Published
4	Ms. B. Deenadivya	A System For Fault Detection Of A Vehicle Based On Deep Learning And Working Method Thereof	Published

5		Ms. K.Lakshmi	A System For Fault Detection Of A Vehicle Based On Deep Learning And Working Method Thereof	Published
6		Ms. D. Navyadevi	A System For Fault Detection Of A Vehicle Based On Deep Learning And Working Method	Published
7		Ms. K.Lakshmi	Vision based parking occupation with AI	Published
8		Dr.K.Sreenivasulu	Vision based parking occupation with AI	Published
9		N.Parashuram	Vision based parking occupation with AI	Published

k. Details of fabricated projects, if any that leads to product development in future:
-------------------------------NO---------------------------------

l. Details of revenue generated through consultancy:
-------------------------------NO---------------------------------

m. Details of faculty interaction with outside world (industry/research centers/ educational institutions, etc):
-------------------------------NO---------------------------------

n. Details of faculty awards/recognition:

SNO	Name of the Faculty	Category	year
1	Dr S Prem Kumar	Bheeshmacharya Award	2022
2	Mrs M Sri Lakshmi	Best women Researcher of the year award	2022
3	Dr M Jahir Pasha	Young Professor of the year awards	2022

1.

o. Preparation of e-learning materials (SWAYAM, MOOCs, NMEICT, etc):
-------------------------------NO---------------------------------

p. Number of guest lecturers delivered / acted as reviewer or editorial committee member or resource person, etc.

--------------------------------NO--------------------------------

q. Number of faculty who completed certification courses:

5 No.of Faculties Completed Certification Courses.

4. Other Information:
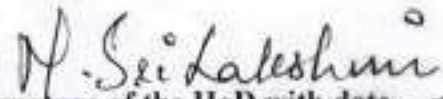
a. Are the minutes of the meeting of the
   Departmental Committee maintained   : YES
b. Number of MoUs / collaborations signed with organization/institution:
c. How many National/ International acclaimed experts visited the department (Date, Name of the Expert, Designation, Organization and Purpose):
d. Details of new facilities added during 2022-23:
e. Details of newsletters / magazines etc published:
   1.News Letter is being published for every semester in Academic year
   2.Magazine is being published four issues for every Academic year
f. Future plans of the department:
   To get Funding projects from various Funding Agencies like SERB, AICTE, ISRO.
   To train the students in getting 100% pass percentage.
   To train the students in getting 100% placements.
   - To Conduct advanced workshops on latest technologies like Artificial Intelligence, Data Science and Machine Learning. Devops
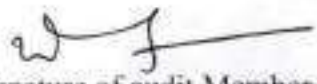
5. SWOC Analysis:
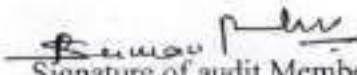
a. Strengths:

    a. Strengths:

    i) Qualified, experienced and dedicated teaching faculty with good retention ratio.

    ii) Effective use of ICT in teaching learning process.

    iii) Student centric functioning with mentoring, counselling through teachers and Effective academic monitoring.

    iv) Active NSS Unit.

    v) Professional Society Chapters in the department.

    vi) Safe and Secured Environment for girl students.

b. Weakness:

    1.Moderate Placement ratio

c. Opportunities:

    1.To arrange more number of FDPs /STTPS/ National Level /International Level conferences.

    2.To arrange specialized Training programs by the faculty.

    3.Scope for interdisciplinary and sponsored projects.

d. Challenges:

    Strengthen Industry – Department Interaction

2.More placements in core companies.

3.Encouraging students for competitive examinations and higher studies.

4.Networking and strengthening relationship with stakeholders.

5.More focus on Industrial training for faculty and students.

6. **Suggestions / Recommendations of the Committee:**

M.Sri Lakshmi

Signature of the HoD with date

10/01/202_

signature

Signature of audit Member – 1

Designation: professor of ECE

Address: GPCET

Mobile Number: 9948404152

e-mail: eceramamurty@ gpcet.ac.in

signature

Signature of audit Member – 2

Designation: Associate Professor

Address: Gpcet

Mobile Number: 9473869760

e-mail: Hodiot@ gpcet.ac.in.

G.Pullaiah College Engineering and Technology:: Kurnool
Proforma for Internal Academic Audit
Academic Year: 2022-2023
Semester:
Part – A: General Information

1. Name of the department: IOT & AI

2. Year of establishment:2020-21

3. Programmes offered:

   3.1 UG Programmes: B.TECH IOT & AI

   3.2 PG Programmes: NIL

4. Accreditation Status: NIL

5. Details of the Faculty:

S.No	Name	Qualification	Designation	Specialization	Experience
1	P SUMAN PRAKASH	M.TECH(Ph.D)	HOD	CSE	15
2	M JANARDHAN	Ph.D	ASSOC. PROFESSOR	WS-NETORKS	20
3	P VISHNU KUMAR	M.TECH	ASSIT.PROFESSOR	ES	10
4	Dr.D.VEERABHADRA BABU	Ph.D	PROFESSOR	DATA MINING	18
5	K.SANDHYA RANI	M.TECH	ASSIT.PROFESSOR	CSE	5
6	V HIMA BINDU	M.TECH	ASSIT.PROFESSOR	CSE	2 YEAR
7	P AMEENA	M.TECH	ASSIT.PROFESSOR	CSE	2 YEARS
8	K VIJAY KUMAR	M.TECH(Ph.D)	ASSIT.PROFESSOR	SE	12 YEARS
9	MAHAMMED MANWAR	MCA	ASSIT.PROFESSOR	MCA	1 YEAR

6. Details of non-teaching staff:

S.No	Name	Qualification	Designation
1	S NOOR MOHAMMED		LAB TECHNICIAN-IOT
2	D SARA SWATHI		LAB TECHNICIAN-AI
3	A M PRASANNA KUMAR		LAB TECHNICIAN-AI
4	T SATEESH KUMAR		CLERK

7. Admission Status:

   a. No. of students admitted:199

Programme	Academic year 2022-23	
	Sanctioned	Admitted

UG (Specialization)	AI -120 , IOT-60	AI-132,IOT-67
PG (Specialization)		

8. Budget Allocation and Utilization during the year:

Academic Year	Total Budget Allocated		Total Budget Utilized		Remarks
	Non-Recurring	Recurring	Non-Recurring	Recurring	
2022-23	NIL	NIL	NIL	NIL	

9. Physical Resources Available:
   a. Number of classrooms: 4
   b. Number of faculty rooms:2
   c. Number of staff rooms:
   d. Available ICT tools in classrooms: 2
   e. Laboratories: YES

S.No	Name of the Laboratory	Total Cost of Equipment (Non-consumable)
1	Simulation Lab	1,50000
2	Cadance Lab	3,00000
3	DSP Lab	2,00000
4	MPMC Lab	1,50000
5	M.Tech Lab	1,50000

   f. Department Library: NO
      Number of Titles:NIL
      Number of Volumes:NOL
      Number of Theses:NIL
      Number of CDs, CBTs, etc:NIL

Stock Registers not maintained properly

No departmental Library & need to establish.

Part - B

1. **Curriculum:**
   a. Is the Curriculum updated (Yes / No)   : YES

   b. If 'Yes", mention the changes made in detail and the reasons for the same:

   c. Details of value addition courses, if any: YES

   d. Are the changes made in tune with the feedback of the employers/ industrial experts / academicians / parents / alumni? (Provide the surveys as an attachment):

2. **Teaching and Learning Process:**
   a. Student to Teacher Ratio (STR):

	Academic year

	2022-23	
Sanctioned intake (UG) N1	A1-120,IoT-60	
Sanctioned intake (lateral entry) (UG) N2	12	11
Sanctioned intake (PG1) N3	■	--
Total number of students N1+N2+N3	132	71
Total number of faculty	4	4
Student Faculty Ratio	31	18

Need to improve student & faculty Ratio.

b. Percentage of faculty using ICT for effective teaching and learning mechanism:

No. of faculty on roll	Number of faculty using ICT tools	Available ICT tools and resources	Number of ICT enabled rooms	e-resources and techniques used
100	100	100	100	100

c. Students academic performance (outgoing batch result analysis):

Number of students appeared 2022 Passed Out	Number of students passed in distinction	Number of students passed in first class	Number of students passed in second class	Number of students passed in pass class
NA	NA	NA	NA	NA

d. Innovative processes adopted in teaching-learning process: YES

e. Status of student mentoring system and action taken: UNDER PROCESS

f. Achievements and Recognitions of students: YES

g. Details of scholarships/financial support by various organizations: NIL

Name of the organization	Name of the scheme	Number of students	Amount

h. Students participation in various co-curricular and extra-curricular activities (seminars, conferences, workshops, industrial tours, training sessions, sports, etc) YES

i. Status of remedial classes for slow learners and GATE/CAT, etc classes for advanced learners: YES

j. Are the faculty members maintaining the course files? (course file shall consists of class time-table copy, syllabus copy along with outcomes, lesson plan, sessional and end examination question papers, assignment, quiz, sessional marks,

3

result analysis, CO attainment, mapping of CO and PO, class notes, hard copies PPTs) YES

k. Company wise details of the students placed (on-campus and off-campus) and details of the students qualified in various competitive examination (attach proofs) NA-PRESNT STUDENTS ARE IN 3RD YEAR

l. Details about the number of students undergone for summer internship/internship and certification courses:

m. CO and PO attainment: COMPLETED

n. Best projects/Industry projects: NA

o. Content beyond the curriculum: YES

p. Whether the employers, alumni and program exit surveys are considered for the attainment calculations or not? If yes, attach proofs NA

q. Whether the Student Satisfactory Survey is conducted or not? If yes, attach proofs

S. No	Name of the Faculty	Designation	Total number of publications in journals and conferences	ORCID number	Scopus Id	h-index
1	P SUMAN PRAKASH	Associate Professor	1	0000-0002-6465-4463	SCI	
2	M JANARDHAN	Associate Professor	2		SCI	

YES

Need to improve the publications.

3. Faculty Research and Innovation:

a. Details of the faculty information:

b. Details of research proposals submitted/sanctioned/ on-going/ completed by the faculty members: NIL

S.No	Name of the faculty	Title of the	Sponsoring Agency	Cost of the	Year of sanctioned	Status

		Project		project		

Need to submit R&D proposal.

c. Details of in-house projects submitted/sanctioned/ on-going/ completed by the faculty members: NIL

S.No	Name of the faculty	Title of the Project	Cost of the project	Year of sanctioned	Status

d. Major addition to the infrastructure of the department through project funding (List the equipments/ facilities and costs) : NIL

S.No.	Equipment	2022-23 (Cost in Rs.)

e. Details of the publications in various journals during 2022-23: YES

S.No.	Name of the Faculty	Details of the Publication	Whether Scopus or not	Whether First Author/Second Author/Third Author
1	P.SUMAN PRAKASH	Mixed Linear Programming for Charging Vehicle Scheduling in Large-Scale Rechargeable WSNs	SCI	First
2	M JANARDHAN	Mixed Linear Programming for Charging Vehicle Scheduling in Large-Scale Rechargeable WSNs	SCI+ Scopus	Second+ First

f. Details of the publications in various conferences during 2022-2023: YES

S.No.	Details of the Publication	Whether indexed in	Whether First Author/Second

5

		Scopus or not	Author/Third Author

g. Details of the faculty who attended Workshops/STTPs/FDPs: YES

S.No.	Name of the faculty	Name of the workshop/STTP/FDP	Duration	Organized by	Online/Offline
1	P SUMAN PRAKASH	Empirical Data Science and its Implications	One Week	SRIT	Online
2	Sandhya Rani	AWS Atal FDP	One Week	AICTE	Online
3	M.Janardhan	AI Tools	One Month	NSSIITROOKE	Online

h. Details of the faculty who organized Conferences/Workshops/STTPs/FDPs: NO

S.No.	Name of the faculty	Name of the conference	Duration	No. of participants

Need to organise various programs.

i. Details of books/book chapters authored by the faculty: YES

j. Details of Patents published/awarded and product development, if any: YES

k. Details of fabricated projects, if any that leads to product development in future:NIL

l. Details of revenue generated through consultancy: NIL

m. Details of faculty interaction with outside world (industry/research centers/ educational institutions, etc): YES

n. Details of faculty awards/recognition: NIL

o. Preparation of e-learning materials (SWAYAM, MOOCs, NMEICT, etc):NIL

p. Number of guest lectures delivered / acted as reviewer or editorial committee member or resource person, etc.YES/YES

q. Number of faculty who completed certification courses:YES

4. **Other Information:**

a. Are the minutes of the meeting of the
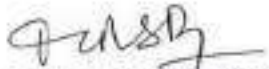
6

Departmental Committee maintained : YES

b. Number of MoUs / collaborations signed with organization/institution: YES

c. How many National/ International acclaimed experts visited the department (Date, Name of the Expert, Designation, Organization and Purpose): NIL

d. Details of new facilities added during 2022-23: YES

e. Details of newsletters / magazines etc published: NIL
f. Future plans of the department:

5. SWOC Analysis:

a. Strengths:

b. Weakness:

c. Opportunities:

d. Challenges:

6. Suggestions / Recommendations of the Committee:

Signature of the HoD with date

(DY-M RAMA PRASAD REDDY)
Signature of audit Member – 1

Designation: Professor

Address: EEE Dept

Mobile Number: 9247218797

e-mail: mrpreddyeee@gpcet.ac.in

(Dr. Syeda Jeelani)
Signature of audit Member – 2

Designation: Asst. prof

Address: H M S Dept

Mobile Number: 8790986338

e-mail: syedajilanibloovse@gmail.ac.in

7

G. PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY::KURNOOL
(Autonomous)

Feedback on facilities(Student satisfaction Survey)

Academic Year: 2022-23 (October 2022)

Number of students participated in survey: 378

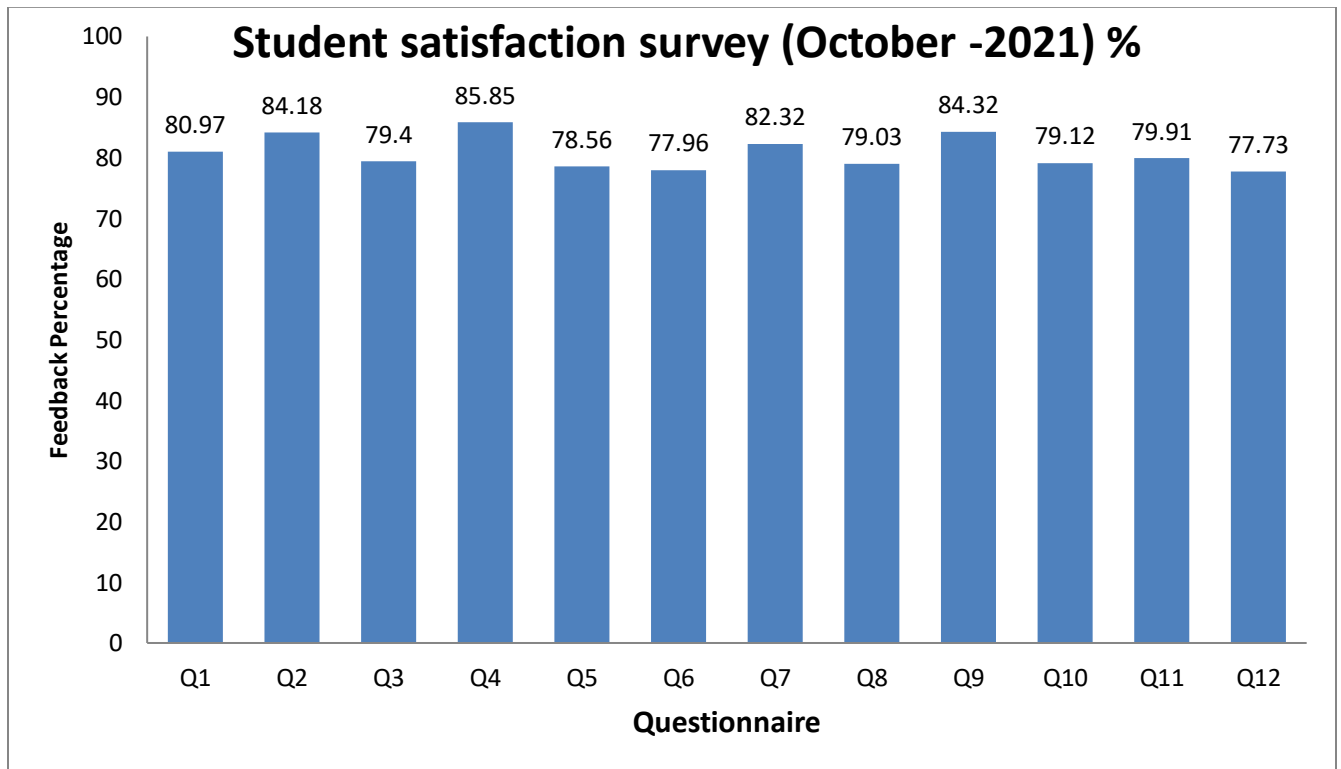| S. No.	Facility	To a Very Great Extent	To a Great Extent	To a Moderate Extent	To some Extent	Not at All	Overall Percentage	Out of 5
		5	4	3	2	0		
1	*Class Room*							
a	How do you rate the ICT based equipment in your Classroom?	234	82	59	35	21	80.97	4.05
b	How do you rate the cleanliness of your classroom?	226	138	32	18	17	84.18	4.21
2	*Computer Labs*							
a	Are the numbers of computers sufficient in the laboratories?	222	92	59	28	30	79.40	3.97
b	Is the appropriate software available in the laboratories?	260	108	28	17	18	85.85	4.29
3	*Wi-Fi and Internet Facility*							
a	Is the Internet and Wi-Fi provided in the campus accessible to everyone?	216	99	55	26	35	78.56	3.93
4	*Canteen*							
a	Are the food prices/quantity/ hygiene properly maintained in the canteen?	214	98	52	31	36	77.96	3.90
b	How do you rate the service of the canteen?	229	105	51	28	18	82.32	4.12
c	Are the timings of canteen comfortable to all the students?	224	96	49	26	36	79.03	3.95
d	Are adequate sitting arrangements provided in the canteen?	250	99	47	15	20	84.32	4.22
5	*Washroom & Drinking Water*							
a	How do you rate the cleanliness/ lighting of the washrooms?	230	88	49	28	36	79.12	3.96

b	Is quality maintained in the provision of drinking Water?	224	91	62	26	28	79.91	4.00
6	Extra-Curricular Activities							
a	How do you rate the availability of extra-curricular activities in the college?	227	82	52	28	42	77.73	3.89
b	Is enough space available to play sports in the college?	222	91	63	42	13	81.07	4.05
7	Gym							
a	How do you rate the gym facility available in the college?	230	75	59	31	36	78.38	3.92
b	Are the timings of the Gym comfortable to the students?	224	85	58	35	29	79.07	3.95
8	Mentoring System							
a	How do you rate the regularity in the conduct of counseling to the students?	227	71	61	30	42	77.12	3.86
b	How do you rate the motivation being provided to students to participate in co-curricular and extra-curricular activities?	236	61	63	42	29	78.75	3.94
9	Library							
a	Are sufficient numbers of books/journals available in the library?	237	64	55	39	36	78.14	3.91
b	How do you rate the digital library being provided?	223	81	59	34	34	78.14	3.91
c	How do you rate the working timings of the library?	225	88	53	23	42	78.05	3.90
10	Medical							
a	How do you rate the medical facilities and availability of doctor on the campus?	240	54	56	42	39	77.40	3.87
11	Transportation							
a	Is proper seating	223	75	62	35	36	77.54	3.88

	available in all the buses?						
b	How do you rate the availability of buses across all routes of the city?	226	74	64	32	35	78.05	3.90
12	*How do you rate the overall impression of the Institute?*	240	88	51	32	20	82.09	4.10

Student satisfaction survey (October -2021) %

80.97 84.18 79.4 85.85 78.56 77.96 82.32 79.03 84.32 79.12 79.91 77.73

L. Srini
Principal

PRINCIPAL
G. Pullaiah College of Engg. & Tech
Nandikotkur Road-Venkayapalli (V),
KURNOOL - 518 452

G. PULLAIAH COLLEGE OF ENGINEERING AND TECHNOLOGY::KURNOOL (Autonomous)

Feedback on facilities

Academic Year: 2022-23 (February 2023)
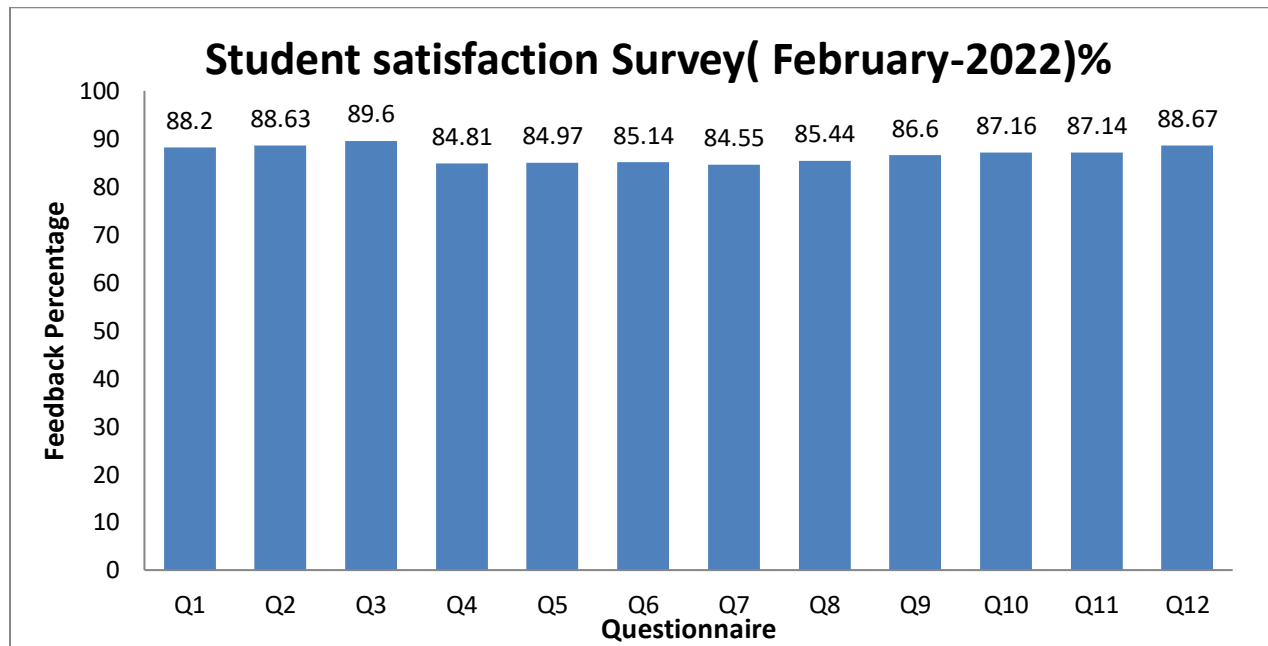
Number of students participated in survey: 391

S. No.	Facility	To a Very Great Extent	To a Great Extent	To a Moderate Extent	To some Extent	Not at All	Over all Percentage	Out of 5
		5	4	3	2	0		
1	*Class Room*							
a	How do you rate the ICT based equipment in your Classroom?	257	65	62	57	41	88.2	3.83
b	How do you rate the cleanliness of your classroom?	263	62	62	58	37	88.63	3.87
2	*Computer Labs*							
a	Are the numbers of computers sufficient in the laboratories?	253	72	68	55	34	89.6	3.87
b	Is the appropriate software available in the laboratories?	251	82	59	51	39	84.81	3.86
3	*Wi-Fi and Internet Facility*							
a	Is the Internet and Wi-Fi provided in the campus accessible to everyone?	280	65	64	50	23	84.97	4.05
4	*Canteen*							
a	Are the food prices/quantity/ hygiene properly maintained in the canteen?	283	71	63	46	19	85.14	4.11
b	How do you rate the service of the canteen?	286	69	53	53	21	84.55	4.09
c	Are the timings of canteen comfortable to all the students?	290	64	58	40	30	85.44	4.07
d	Are adequate sitting arrangements provided in the canteen?	278	65	55	61	23	86.6	4.02

5	**Washroom & Drinking Water**						
a	How do you rate the cleanliness/ lighting of the washrooms?	270	69	62	59	22	87.16	4.00
b	Is quality maintained in the provision of drinking Water?	272	74	58	50	28	87.14	4.00
6	**Extra-Curricular Activities**						
a	How do you rate the availability of extra-curricular activities in the college?	267	79	61	51	24	88.67	4.02
b	Is enough space available to play sports in the college?	273	71	65	55	18	85.8	4.05
7	**Gym**						
a	How do you rate the gym facility available in the college?	270	80	64	50	18	85.2	4.07
b	Are the timings of the Gym comfortable to the students?	271	72	61	54	24	86.58	4.01
8	**Mentoring System**						
a	How do you rate the regularity in the conduct of counseling to the students?	273	75	62	53	19	85.97	4.06
b	How do you rate the motivation being provided to students to participate in co-curricular and extra-curricular activities?	284	74	58	40	26	85.56	4.09
9	**Library**						
a	Are sufficient numbers of books/journals available in the library?	283	72	53	38	36	85.98	4.02
b	How do you rate the digital library being provided?	288	74	60	36	24	85.87	4.12
c	How do you rate the working timings of the library?	297	75	50	40	20	85.95	4.18
10	**Medical**						

a	How do you rate the medical facilities and availability of doctor on the campus?	297	75	50	40	20	88.26	4.18
11	**Transportation**							
a	Is proper seating available in all the buses?	283	72	53	38	36	88.93	4.02
b	How do you rate the availability of buses across all routes of the city?	288	74	60	36	24	88.75	4.12
12	***How do you rate the overall impression of the Institute?***	297	75	50	40	20	89.23	4.18

Action Taken:

1. The house keeping department is informed to take utmost care about cleanliness in waiting halls, class rooms and wash rooms.

2. The canteen committee has been informed to take care about the physical distance and quality of food in canteen.

3. The transportation incharge has been informed to take about the bus timings at the respective bus stops.

Student satisfaction Survey(February-2022)%

Bar chart showing Feedback Percentage (y-axis, 0–100) vs Questionnaire (x-axis, Q1–Q12):

- Q1: 88.2
- Q2: 88.63
- Q3: 89.6
- Q4: 84.81
- Q5: 84.97
- Q6: 85.14
- Q7: 84.55
- Q8: 85.44
- Q9: 86.6
- Q10: 87.16
- Q11: 87.14
- Q12: 88.67

Establishing a Watsapp group for every class

Orientation Program

Regularly Attendance Records each period
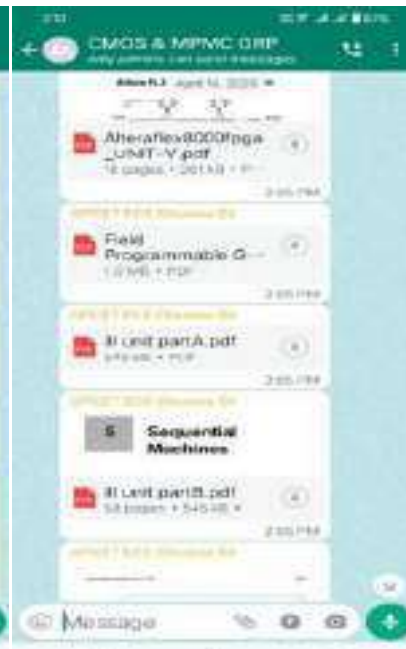
G.PULLAIAH COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous)(Code: PCEK)

Accredited by NAAC with 'A' Grade

Approved by AICTE, New Delhi & Permanently Affiliated to JNTUA, Ananthapuramu

(Recognized by UGC under 2(f) & 12(B) and ISO 9001:2008 Certified Institution)

Nandikotkur Road, Venkayapalli, Kurnool-518452

		Subject Code	A30405			
		Subject Name	SIGNALS AND SYSTEMS			
		Attendance Date	10 Oct 2022		11 Oct 2022	
		Period	3		4	
studentrollno	Name	section	Attendance Status	Duration	Attendance Status	Duration
21AT1A0401	AMBATI DEVARSHINI	A	1	50	1	50
21AT1A0402	B SAI RAM	A	0	0	0	0
21AT1A0403	BESTHA RAM SASMITH	A	0	0	0	0
21AT1A0404	BALIJA SOMISETTY GOWRI DEVI	A	0	0	0	0
21AT1A0405	B VINAY KUMAR	A	0	0	0	0
21AT1A0406	BAKAPARU CHAITANYA	A	0	0	0	0
21AT1A0407	BALANKARI HARI HARA KUMAR REDDY	A	0	0	0	0
21AT1A0408	BAPATHI ROHINI	A	0	0	0	0
21AT1A0409	BARIKI PRIYANKA	A	0	0	0	0
21AT1A0410	BEJAVADA ANUSHA	A	0	0	0	0
21AT1A0411	Bestha sai keerthana	A	0	0	0	0
21AT1A0413	BOGIREDDY TEJESWARA REDDY	A	0	0	0	0
21AT1A0414	BOLLAVARAM ABHISHEK	A	0	0	0	0
21AT1A0415	BORELLI ABHISATHVIKA	A	1	50	1	50

A30405					
SIGNALS AND SYSTEMS					
12 Oct 2022		13 Oct 2022			
1		5		6	
Attendence Status	Duration	Attendence Status	Duration	Attendence Status	Duration
1	50	1	50	1	50
0	0	0	0	0	0
0	0	0	0	0	0
1	50	1	50	1	50
0	0	0	0	0	0
0	0	1	50	1	50
0	0	0	0	0	0
0	0	0	0	0	0
0	0	1	50	1	50
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	1	50	1	50
1	50	0	0	0	0

A30405					
SIGNALS AND SYSTEMS					
17 Oct 2022		18 Oct 2022		19 Oct 2022	
3		4		1	
Attendence Status	Duration	Attendence Status	Duration	Attendence Status	Duration
1	50	0	0	1	50
1	50	0	0	1	50
1	50	1	50	1	50
1	50	0	0	1	50
1	50	0	0	1	50
1	50	0	0	1	50
1	50	0	0	1	50
1	50	0	0	1	50
1	50	0	0	1	50
0	0	0	0	1	50
0	0	0	0	1	50
1	50	0	0	0	0
1	50	0	0	1	50
1	50	0	0	1	50