



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date: 20-12-2024

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

1. Name of the Department to be Audited: Civil Engineering

2. Programs Offered:

	<b>UG</b>	<b>PG</b>
Name of the Program	B. Tech Civil Engineering	M. Tech (STE)
Year of establishment	2008	2014

3. No. of Faculty & Students:

<b>Designation</b>	<b>UG</b>		<b>PG</b>	
Professors	3		2	
Associate Professors	2		-	
Assistant Professors	10		1	
Total no. of Students	192		35	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	142	50	16	19

#### 4. Faculty Information and Contributions

##### 4.1 Name of the Program(s): B. Tech Civil Engineering (UG) M. Tech (STE) (PG)

Total Faculty	
Required Faculty	19
Available Faculty	19
No. of PhDs	06

Professors	
Required Faculty	01
Available Faculty	05
No. of PhDs	05

Associate Professors	
Required Faculty	02
Available Faculty	02
No. of PhDs	01

Assistant Professors	
Required Faculty	06
Available Faculty	12
No. of PhDs	00

$$\text{Faculty Qualification} = \frac{06}{19} \times 100 = 31.5$$

$$\text{Student Faculty Ratio (SFR)}: \frac{227}{19} = 11.95$$

##### 4.2 Faculty Publications

S.No	Name of the Faculty	No. of Papers Published				Papers published in Conferences	Papers published in Journals	Total Papers Published	H - Index	No. of Citations
		Indexed in SCI	Indexed in Scopus	Indexed in Web of Science	Indexed in Others					
1	Dr GVV Satyanarayana		3			3		3	2	28
2	Dr. C Lavanya		6			6		6	4	46
3	Dr V Mallikarjun Reddy		5			5		5	4	77
4	Dr. Mohammad Hussain		2				2	2	2	27
5	Dr. T Srinivas		2			2		2	11	428
6	Dr O.S.D Hima Bindu		4			3	1	4	1	3
7	Mr T Srikanth		2			2		2	2	11
8	Mr. S Venkata charyulu		3			3		3	2	9
9	Mr. S.Prasad Raju		2			2		2	2	74
10	Mr. Y. Kamala Raj		1			1		1	2	13

11	Ms. K Hemalatha		7			7		7	3	88
12	Mr V Naresh Kumar Varma		-					-	2	15
13	Mr A Vittalaiah		1					1	2	11
14	Mr C Vivek Kumar	1	6			4	3	7	4	51
15	Mr Rathod Ravinder		1			1		1	3	22
16	Mr A Prakash		5			5		5	0	0
17	Ms I Chandana		-					-	0	0
18	Mrs G Swetha		2			2		2	1	2
19	Mr P V V S S R Krishna		4			4		4	1	15
20	Ms. P.S.R.P.SSS Vardhani		-					-	0	0

#### 4.3 Faculty Intellectual Property Rights (IPR)

S.No	Name of the Faculty	Title of the Patent	Country/ Institute	File Number	Status of Patent	Date of Application/ Publication/ Grant
1	T.Srinivas	A System For Manufacturing Eco-Friendly Paper Plastic Paving Blocks Using Wastepaper And Plastic	INDIA/ GRIET	202341038268 A	Published	01-09-2023
2	Y Kamala Raju	Intelligent System Integration Using Predictive Infrastructure Management and Optimization for Automated Building and Infrastructure Analysis	INDIA/ GRIET	202341071660 A	Published	15-12-2023
3	Y Kamala Raju	Effect of Metakaolin and Quarry Dust in Lightweight Aggregate Concrete	INDIA/ GRIET	202341057300A	Published	01-12-2023

#### 4.4 Faculty Research and Development

S. No.	Name of the Faculty (PI / Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
NIL						

#### 4.5 Faculty Consultancy Projects

S.No.	Name of the faculty	Title of the project	Industry/Organization	Consultancy project duration	Sanctioned amount (Lakhs)	Amount received (Lakhs)
1	Dr.V.Mallikarjuna Reddy	Third Party Quality Control Services for Regular works	Greater Hyderabad Municipal Corporation	1 Year	It depends on the works executed	4.40
2	Dr.V.Mallikarjuna Reddy	Third Party Quality Control Services for CRMP works	Greater Hyderabad Municipal Corporation	1 Year	It depends on the works executed	4.20

#### 4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

Sl.No	Name of the Faculty	Name of FDP/Workshop/STTP	Date of the Program	Duration	Organized Institute	Online/Offline
1	Akula Prakash	Environment Pollution: A threat to life in the Air	15/08/2023 to 21/08/2023	Short Term Training Programme	Raj Rishi College, Alwar - HTE Rajasthan	Online
2	C Vivek Kumar	Structural Design and Analysis using STAAD Pro Connect (Online FDP)	19/9/2023 to 23/8/2023	FDP	ICT Academy Hyderabad	Online
3	Y Kamalaraju	Structural Design and Analysis using STAAD Pro Connect (Online FDP)	19/9/2023 to 23/8/2023	FDP	ICT Academy Hyderabad	Online
4	T Srikanth	Building The Future: Industry 4.0 Applications In Civil Engineering	21/09/2023 to 26/09/2023	FDP	BVRIT,Narsapur	Online

5	S Venkatacharyulu	3 Weeks FDP on NGP - DST Summer School On Geospatial Technologies	27-5-2024 to 16-6-2024	FDP	VNRVJIET, Hyderabad	Online
6	Dr. G.V.V. Satyanarayana	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
7	Dr C.Lavanya	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
8	Dr V. Mallikarjun Reddy	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
9	Dr. Mohammed Hussain	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
10	Dr. T.Srinivas	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
11	Dr. O.S.D. Hima Bindu	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
12	Mr T Srikanth	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
13	Sri S. Venkatacharyulu	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
14	Sri Siva Prasad Raju V	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
15	Mr. Y.Kamala Raju	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
16	Mrs. K.Hemalatha	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
17	Mr V Naresh Kumar Varma	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
18	Mr A Vittalaiah	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
19	Mr. C Vivek Kumar	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
20	Mr. Rathod Ravinder	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
21	Mr. A Prakash	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
22	Mr. Polina V V S S R Krishna	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online
23	Mrs. P S R P S S S Vardhani	FDP on Advancements in Construction Materials and Practices	30 July-03 August 2024	FDP	GRIET Hyderabad	Online

#### 4.7 Faculty Certification

Sl.No	Name of the Faculty	Name of the course	Duration	Certification Agency
1	Dr.Mohammed Hussain	Data Science for Engineers	12 Weeks	NPTEL
2	C Vivek Kumar	Introduction to Machine Learning (Tamil)	8 Weeks	NPTEL
3	Akula Prakash	Data Science for Engineers	12 Weeks	NPTEL
4	S Venkat Charyulu	Cloud computing	12 Weeks	NPTEL
5	S Venkat Charyulu	Computing and Distribution system	8 Weeks	NPTEL
6	Rathod Ravinder	Data Science for Engineers	12 Weeks	NPTEL
7	Polina VVSSR Krishna	Data Analytics with Python	12 Weeks	NPTEL
8	Y Kamala Raju	Data Science for Engineers	12 Weeks	NPTEL
9	Y Kamala Raju	Data Mining	8 Weeks	NPTEL
10	Y Kamala Raju	Introduction to Internet of Things	8 Weeks	NPTEL

#### 4.8 Faculty as Resource Persons

	Faculty	Program	Topic	Duration	Organization	Place
1	Dr Mohd Hussain	Extra Curricular Activity	Engineers day	20-09-2023	GRIET	Bachupally
2	Dr Mohd Hussain	Extra Curricular Activity	UN Peace Day	21-09-2023	GRIET	Bachupally
3	Dr Mohd Hussain	Extra Curricular Activity	Food Day	18-10-2023	GRIET	Bachupally

### 5. Students Enrollment and Progression

#### 5.1 Number of seats filled under various quotas and quality of students

No. of Students (UG): **192**

EAMCET Starting Rank: **31937**

EAMCET Closing Rank: **147144**

No. of Students (PG): **35**

Gate Starting Rank: **Nil**

Gate Closing Rank: **Nil**

PGCET starting Rank: **189**

PGCET closing Rank: **1938**

## 5.2 Academic Performance of Students

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) = 25

No. of students graduated from the program (n) = 47

UG Success Rate:  $m/n * 100 = 72.31$

No. of students admitted in corresponding first year (PG) (m1) = 16

No. of students graduated from the program (n1) = 12

PG Success Rate:  $m1/n1 * 100 = 75$

## 5.3 Students Placements, Higher Studies, Entrepreneurships

No. of students who are placed = 27

No. of students went for higher studies = 05

Highest and mean packages received by the students = Rs.6,76,754 and Rs.3,78,206

No. of students with entrepreneurship details = 01

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) = 03

## 5.4 Students Activities

No. of Award Winning Students in Technical Events: 10

No. of Students Participated in Technical Events: 276 (Co-Curricular )

No. of Students Participated in Sports / Cultural Events: 10(Sports) &133(Extracurricular )

No. of Students Participated in NSS Activities: 45

## 6. Curriculum Development

### 6.1 New Courses

UG:

Number of new courses introduced (Mention the Regulation)	GR22-6 & GR20-2
Number of courses with change in syllabus (if more than 20%)	8

PG:

Number of new courses introduced (Mention the Regulation)	GR22
Number of courses with change in syllabus (if more than 20%)	2

### 6.2 Details of Conduction of Remedial Classes for Academically Weak Students:

S. No	Name of the Course	Name of the Faculty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. Students attended	No. of Students passed
1	Structural Analysis-I (GR20A2018)	Mrs.K.Hemalata	4/01/2024 to 9/01/2024	4	41	13	10
2	Hydraulics Engineering (GR20A2019)	Dr.Mohammad Hussain	6/01/2024 to 11/01/2024	4	48	11	18

### 6.3 No. of Value Added Courses Conducted:

Sl. No	Name of the value-added courses	Duration of the course	Number of hours	Faculty Coordinator	Collaborative Industry	Number of students registered	Number of students passed
1	Structural Health Monitoring	4th Dec 2023 to 21st Dec 2023	30	Mr A Prakash & Mrs K Hemalatha	GRIET	55	55
2	Building Planning and Orientation	4th Dec 2023 to 21st Dec 2023	30	Dr G V V Satyanarayana & Mr C Vivek Kumar	GRIET	58	52
3	Introduction to Finite Element Methods(FEM)-Applications	2nd January 2024 to 23rd April 2024	30	Dr G V V Satyanarayana	GRIET	59	59
4	Autodesk-Revit Architecture	18th April 2024 to 24th April 2024	36	Mr A Prakash, Mr A Vittalaiah & Mr C Vivek Kumar	CANTER CADD	45	45
5	Safety Aspects in Construction	10th June to 27th June 2024	30	Mr T Srikanth, Mrs K Hemalatha, Mr A Prakash, Mr A Vittalaiah	GRIET	50	50
6	Geographic Information System (GIS)	4th March 2024 to 21st March 2024	30	Mr Rathod Ravinder	GRIET	59	59

#### 6.4 No. of Student Activities Organized by the Department:

S. No	Program	Topic	Date	Resource person	Collabration	Prof body	no of students	Coordinator	offline
1	Guest lecture	" Sustainable Practices of Water Resources Management with a particular reference to River Basins and Watersheds"	21-06-2024	A B Pandya	IEI	IEI	11	Dr Mohd Hussain	Online
2	Guest lecture	"Ground Granulated Blast Furnace Slag-GGBS (IS 16714) for Strong, Durable, Sustainable & Green Concrete Construction" by JSW Cement Ltd.	19-06-2024	SV Gopalakrishnao, Consultant, SV Consultants	JSW CEMENTS	IGBC	43	Dr GVV Satyanarayana	offline
3	Guest lecture	Design of Pile Foundation (Including Micro piles and few case studies)	11-06-2024	SV Gopalakrishnao, Consultant, SV Consultants		ICI	87	S P Raju V	offline
4	Value added Course	Software Training on Revit Architecture	18.04.2024 to 24.04.2024	Lahari Priya, Trainer, CADD Center	AUTODESK-CADD CENTRE	CE	44	Dr GVV Satyanarayana	offline
5	Guest lecture	Inauguration of student chapter of ACCE(I)	28-03-2024	Er Raj Kumar, Vice President, ACCE	ACCE	ACCE	70	Dr V Mallikarjuna Reddy	offline
6	Industrial visit	Shree TMT	14-03-2024	Rajeev, Marketing Manager, Shree TMT	SHREE TMT	ACCE	28	Dr V Mallikarjuna Reddy	offline
7	Extra curricular activity	How To Improve Job Opportunities By Learning Latest Softwares	02-03-2024	Dr GVV Satyanarayana Professor GRIET	GREEN COMPUS	IGBC	38	Dr GVV Satyanarayana	offline
8	Industrial visit	SURVEY OF INDIA- UPPAL "Indigenous Technologies for Viksit Bharat"	28-02-2024	S P RAJU V, Assistant Professor, Griet	SURVEY OF INDIA	ICI	81	S P Raju V	offline
9	Extra curricular activity	Legacy	08-01-2024 TO 08-01-2024	A Vinay Kumar, Professor Griet	GRIET	CE	40	A Vittal	offline
10	Guest lecture	Engineering & Design of Forms in Construction	30-01-2024	Er Surya Prakash, Consultant, Satyabhama Consultants	IEI	IEI	8	Y Kamala Raju	offline
11	Value added Course	BUILDING PLANNING AND ORIENTATION	04-12-2023 TO 21-12-2023	Dr GVV Satyanarayana, Professor, GRIET	VAC	CE	55	C Vivek Kumar	offline
12	workshop	Sustainable Technologies in Civil Engineering: Perspectives and Strategies ( STEPS-2023)	20-12-2022	M K Srinivas, Engineer, Center Water Commission	CEL	CE	50	Dr Mohd Hussain	offline
13	Extra curricular activities	CAD MANIA	07-10-2023	Y Kamala Raju, Assistant Professor GRIET		IEI	24	Y Kamala Raju	offline
14	Extra curricular activities	X KERNAL	07-10-2023	Y Kamala Raju, Assistant Professor GRIET			72	Y Kamala Raju	offline
15	Extra curricular activities	FOOD Day 2023	18-10-2023	Dr Mohd Hussain, Professor GRIET		CE	35	Dr Mohd Hussain	offline
16	Extra curricular activities	Engineers' Day 2023	20-09-2023	Dr Mohd Hussain, Professor GRIET			47	Dr Mohd Hussain	offline
17	Extra curricular activities	United Nations International Peace Day 2023	21-09-2023	Dr Mohd Hussain, Professor GRIET		CE	49	Dr Mohd Hussain	offline

18	Guest lecture	Alumi Talk	22-09-2023	Er Rajesh Kanna, Engineer		CE	52	S P Raju V	offline
19	Workshop	Tests on cement	10-08-2023	S P Raju V, Assistant Professor, GRIET		CE	32	S P Raju V	offline
20	Guest lecture	National Challenges to Engineering Education	04-07-2023	Dr V S Raju, V S Raju, Managing Director, Consultants		CE	46	Dr Lavanya	offline

### Overview on Faculty Contribution and Development:

In A.Y 2023-24 Faculty contributed for development of the department. Seven staff members completed NPTEL courses in Computer oriented subjects. All staff members attended two or three FDPs in Core topics. Rs.8.6 Lakhs earned under consultancy works. Three IPRs received by two staff members. Total Fifty Eight articles Scopus Indexed published by our department staff members. Six VACs were taken for development of Civil Engineering department.

### Overview on Students Progression:

All IV B.Tech II semester students were published Scopus Index conference papers in their Major Project work. A Value Added Course named **BUILDING PLANNING AND ORIENTATION** taken for II B.Tech students for knowledge gain in construction activity. For III B.Tech students organised a VAC in **Software Training on Revit Architecture** to do their mini projects.

### Overview on Academic Activities:

By doing valuable courses their employability will increase so that different VACs were introduced and organised during this Academic Year. In this concern a VAC named **Software Training on Revit Architecture** by CANTER CADD, Hyderabad. 6 guest lectures were completed under different professional bodies like ICI, IEI, IGBC and ACCE(I). III B.Tech students visited to SHREE TMT Steel manufacturing unit at Shadnagar, Hyderabad under ACCE(I).

### Suggestions for the areas of improvement:

Advised publish qualitative publications and to do interdisciplinary projects.

Name of the Audit Member: Dr. S. Krishna Rao  
 Designation: Professor and Head  
 Name of the Institute: B.V. Raju Institute of Technology  
 Signature with date: [Signature] 20/12/2024



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date: 28 Dec 2024

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

**1. Name of the Department to be Audited: Electrical and Electronics Engineering**

**2. Programs Offered:**

	<b>UG</b>	<b>PG</b>
Name of the Program	B. Tech	M.Tech (Power Electronics)
Year of establishment	1997	2006

**3. No. of Faculty & Students:**

<b>Designation</b>	<b>UG</b>		<b>PG</b>	
Professors	4		1	
Associate Professors	4		1	
Assistant Professors	9		1	
Total no. of Students	202		7	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	135	67	135	67

**4. Faculty Information and Contributions**

4.1 Name of the Program(s):

Total Faculty	
Required Faculty	15
available Faculty	20
No. of PhDs	10

Professors	
Required Faculty	2
Available Faculty	5
No. of PhDs	5

Associate Professors	
Required Faculty	3
Available Faculty	5
No. of PhDs	4

Assistant Professors	
Required Faculty	10
Available Faculty	10
No. of PhDs	01

$$\text{Faculty Qualification} = \frac{\text{Total Number of Faculty with PhD in the Department}}{\text{Total Number of Faculty Available}} \times 100 = 50$$

$$\text{Student Faculty Ratio (SFR): } \frac{\text{Total Number of Students (UG \& PG) in the Department}}{\text{Total Number of Faculty Available in the Department}} = 10.45$$

#### 4.2 Faculty Publications

S. No.	Name of the Faculty	No. of Papers Published				Papers Published in Conferences	Papers Published in Journals	Total Papers Published	H-Index	No. of Citations
		Indexed in SCI	Indexed in Scopus	Indexed in Web of Science	Indexed in Others					
1	Dr. B Phaneendra Babu	5	18			18	5	23	16	194
2	Dr. J Sridevi			5		5		5	4	39
3	Dr. A Vinay Kumar	4	41		13	46	7	58	7	150
4	Dr. P Sri Vidya Devi	-	4	1	-	4	1	5	3	43
5	Dr. Pakkiri aiah		8			8	0	8	6	330/128
6	Dr. D S Naga Malleswara Rao	7	20			20	7	27	6	152
7	Dr. M Rekha	0	5			5	0	5	3	

D Karun a Kumar		6	3	6	1	6	2	10
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#### 4.3 Faculty Intellectual Property Rights (IPR)

S. No.	Name of the Faculty	Title of the Patent	Country / Institute	File Number	Status of Patent	Date of Application / Publication / Grant
1	Dr D S Naga Malleswara Rao	Distribution Transformer Fuse Failure Detection and Information Passing System	GRIET	202341052709		01-09-2023

#### 4.4 Faculty Research and Development

S. No.	Name of the Faculty (PI / Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
1	Dr Pakkiraiah	Design and Development of Triangular Hut Shaped Alignment of Solar Photovoltaic Modules to get Better Output in a Lesser Area	MSME	2023	15	8.925

#### 4.5 Faculty Consultancy Projects

S. No.	Name of the Faculty	Title of the Project	Industry / Organizat	Consultancy Project	Sanctioned Amount	Amount Received
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			ion	Duration	(Lakhs)	(Lakhs)
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4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

S. No.	Name of the Faculty	Name of the FDP / Workshop /STTP	Date of the Program	Duration	Organized Institute	Online / Offline
1	Dr M Rekha	Microsoft Power BI Data Analyst Associate	05 February 2024 to 09 February 2024	5 Days	GRIET	Offline
2	Mr P Prashant Kumar	Microsoft Power BI Data Analyst Associate	05 February 2024 to 09 February 2024	5 Days	GRIET	Offline
3	Mr P Prashant Kumar	Real Time Simulations of Electrical Systems	27 February 2024 to 28 February 2024	2 Days	JNTUH University College of Engineering, Science & Technology, Hyderabad	Offline
4	Dr D G Padhan	NPTEL AICTE FDP on Data Base Management System	Jan-March 2024	8 Weeks	GRIET	Online
5	Dr D G Padhan	NPTEL AICTE FDP on Data Mining	Jan-March 2024	8 Weeks	GRIET	Online
6	Dr Dokku Sivanaga Malleswara Rao	NPTEL AICTE FDP on Data Base Management System	Jan-March 2024	8 Weeks	GRIET	Online
7	Dr Dokku Sivanaga Malleswara Rao	NPTEL AICTE FDP on Data Mining	Jan-March 2024	8 Weeks	GRIET	Online
8	Mrs Sandhya Rani Gurram	NPTEL AICTE FDP on Data Science for Engineers	Jan-March 2024	8 Weeks	GRIET	Online
9	Dr Vinay Kumar	NPTEL AICTE	Jan-March	8	GRIET	Online

	Awaar	FDP on Data Science for Engineers	2024	Weeks		
10	Dr Palakaluri Srividya Devi	NPTEL AICTE FDP on Data Science for Engineers	Jan-March 2024	8 Weeks	GRIET	Online
11	Mrs M N Sandhya Rani	NPTEL AICTE FDP on Data Science for Engineers	Jan-March 2024	8 Weeks	GRIET	Online
12	Mr Karuna kumar Davala	NPTEL AICTE FDP on Data Science for Engineers	Jan-March 2024	8 Weeks	GRIET	Online
13	Dr Rekha Mudundi	NPTEL AICTE FDP on Data Science for Engineers	Jan-March 2024	8 Weeks	GRIET	Online
14	Mr P Praveen Kumar	NPTEL AICTE FDP on Data Science for Engineers	Jan-March 2024	8 Weeks	GRIET	Online
15	Dr D G Padhan	NPTEL AICTE FDP on Introduction to Soft Computing	Jan-March 2024	8 Weeks	GRIET	Online
16	Dr D G Padhan	NPTEL AICTE FDP on Machine Learning	Jan-March 2024	8 Weeks	GRIET	Online
17	Dr Dokku Sivanaga Malleswara Rao	NPTEL AICTE FDP on Introduction to Soft Computing	Jan-March 2024	8 Weeks	GRIET	Online
18	Dr Dokku Sivanaga Malleswara Rao	NPTEL AICTE FDP on Machine Learning	Jan-March 2024	8 Weeks	GRIET	Online
19	Mr Rajagiri Anil Kumar	NPTEL AICTE FDP on Data Science for Engineers	Jan-March 2024	8 Weeks	GRIET	Online
20	Dr Pakkiraiah B	NPTEL AICTE FDP on	Jan-March 2024	8 Weeks	GRIET	Online

		Introduction to Soft Computing				
21	Dr Pakkiraiah B	NPTEL AICTE FDP on Machine Learning	Jan-March 2024	8 Weeks	GRIET	Online
22	Dr Pakkiraiah B	NPTEL AICTE FDP on Data Base Management System	Jan-March 2024	8 Weeks	GRIET	Online
23	Dr Pakkiraiah B	NPTEL AICTE FDP on Data Mining	Jan-March 2024	8 Weeks	GRIET	Online
	Mr Davu Srinivasa Rao	NPTEL AICTE FDP on Data Science for Engineers	Jan-March 2024	8 Weeks	GRIET	Online
24	Dr V Vijaya Rama Raju	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
25	Mr R Anil Kumar	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
26	Mr P Prashant Kumar	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
27	Dr D G Padhan	NPTEL AICTE FDP on Blockchain and its Applications	Jan-April 2024	12 Weeks	GRIET	Online
28	Dr D S N M Rao	NPTEL AICTE FDP on Blockchain and its Applications	Jan-April 2024	12 Weeks	GRIET	Online
29	Dr D G Padhan	NPTEL AICTE FDP on Cloud Computing	Jan-April 2024	12 Weeks	GRIET	Online
30	Dr D S N M Rao	NPTEL AICTE FDP on Cloud Computing	Jan-April 2024	12 Weeks	GRIET	Online

31	Dr Phaneendra Babu Bobba	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
32	Mrs G Sandhya Rani	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
33	Dr Vinay Kumar Awaar	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
34	Dr Palakaluri Srividya Devi	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
35	Dr D G Padhan	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
36	Dr Rekha Mudundi	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
37	Dr Dokku Sivanaga Malleswara Rao	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
38	Dr P Praveen Kumar	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
39	Dr Karuna kumar Davala	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
40	Dr D G Padhan	NPTEL AICTE FDP on Deep Learning	Jan-April 2024	12 Weeks	GRIET	Online
41	Dr Dokku Sivanaga Malleswara Rao	NPTEL AICTE FDP on Deep Learning	Jan-April 2024	12 Weeks	GRIET	Online
42	Dr Dokku Sivanaga Malleswara Rao	NPTEL AICTE FDP on Introduction to	Jan-April 2024	12 Weeks	GRIET	Online

		Machine Learning				
43	Dr D G Padhan	NPTEL AICTE FDP on Introduction to Machine Learning	Jan-April 2024	12 Weeks	GRIET	Online
44	Dr D G Padhan	NPTEL AICTE FDP on Introduction to Natural Language Processing	Jan-April 2024	12 Weeks	GRIET	Online
45	Dr Dokku Sivanaga Malleswara Rao	NPTEL AICTE FDP on Introduction to Natural Language Processing	Jan-April 2024	12 Weeks	GRIET	Online
46	Dr Dokku Sivanaga Malleswara Rao	NPTEL AICTE FDP on Introduction to Reinforcement Learning	Jan-April 2024	12 fffffff Weeks	GRIET	Online
47	Mrs U Vijaya Laxmi	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online
48	Dr Pakkiraiah B	NPTEL AICTE FDP on Blockchain and its Applications	Jan-April 2024	12 Weeks	GRIET	Online
49	Dr Pakkiraiah B	NPTEL AICTE FDP on Cloud Computing	Jan-April 2024	12 Weeks	GRIET	Online
50	Dr Pakkiraiah B	NPTEL AICTE FDP on Data Analytics with Python	Jan-April 2024	12 Weeks	GRIET	Online

#### 4.7 Faculty Certification

S. No.	Name of the Faculty	Name of the Course	Duration	Certification Agency
1.	Dr Dokku	Data Science (Domain	Jan-Oct	NPTEL- Swayam

	Sivanaga Malleswara Rao	Certification)	2024 (60 Weeks)	
2.	Dr V Vijaya Rama Raju	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
3.	Dr V Vijaya Rama Raju	Big data Computing	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
4.	Dr V Vijaya Rama Raju	Data Science for engineers	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
5.	Dr J Sridevi	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
6.	Dr J Sridevi	Big data Computing	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
7.	Dr J Sridevi	Data Science for engineers	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
8.	Dr Dokku Sivanaga Malleswara Rao	Introduction to Machine -IIT KGP	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
9.	Dr Dokku Sivanaga Malleswara Rao	Introduction to Machine	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
10.	Dr Dokku Sivanaga Malleswara Rao	Python for DATA SCIENCE	July-Sep 2024 (4 Weeks)	NPTEL- Skill India - Swayam
11.	Dr Dokku Sivanaga Malleswara Rao	Introduction to Internet of Things	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
12.	Dr Dokku Sivanaga Malleswara Rao	Responsible and Safe AI Systems	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
13.	Dr Dokku Sivanaga Malleswara	Theory of Computation	July-Sep 2024(8 Weeks)	NPTEL- Skill India - Swayam

	Rao			
14.	Dr Dokku Sivanaga Malleswara Rao	Computer Vision	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
15.	Mrs Sandhya Rani Gurram	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
16.	Mrs Sandhya Rani Gurram	Big data Computing	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
17.	Dr Vinay Kumar Awaar	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
18.	Dr Vinay Kumar Awaar	Big data Computing	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
19.	Dr Palakaluri Srividya Devi	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
20.	Dr Palakaluri Srividya Devi	Big data Computing	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
21.	Mrs U Vijaya Laxmi	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
22.	Mrs U Vijaya Laxmi	Big data Computing	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
23.	Mrs M N Sandhya Rani	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
24.	Mrs M N Sandhya Rani	Big data Computing	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam
25.	Mr Karuna kumar Davala	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
26.	Dr Rekha Mudundi	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
27.	Dr Rekha Mudundi	Big data Computing	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam

28.	Mr Rajagiri Anil Kumar	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
29.	Mr Davu Srinivasa Rao	Cloud Computing	July-Oct 2024 (12 Weeks)	NPTEL- Skill India - Swayam
30.	Mr Davu Srinivasa Rao	Big data Computing	July-Sep 2024 (8 Weeks)	NPTEL- Skill India - Swayam

#### 4.8 Faculty as Resource Persons

S. No.	Name of the Faculty	Type of Program	Lecture Topic	Duration	Organization	Place of Program
1	Dr V Vijaya Rama Raju	FDP Online	Institutional Readiness for Interdisciplinary and Multidisciplinary Education	1 Day	Internal Quality Assurance Cell (IQAC), The Neotia University (TNU), Sarisa,	Diamond Harbour Road, 24 Parganas (South), West Bengal - 743 368.
2	Dr V Vijaya Rama Raju	FDP Online	Academic Bank of Credits (ABC) : Significance, Features, & Functions	1 Day	Internal Quality Assurance Cell (IQAC), The Neotia University (TNU), Sarisa,	Diamond Harbour Road, 24 Parganas (South), West Bengal - 743 368.
3	Dr V Vijaya Rama Raju	FDP Online	Institutional Preparedness for Multidisciplinary / Interdisciplinary Curriculum	1 Day	United World School of Computational Intelligence (USCI), Karnavati University.	
4	Dr V Vijaya Rama Raju	Short Term Programme on E-Content	Learner-Centric MOOC	1 day	UGC - Human Resource Development	University of Hyderabad,

		Development and MOOCs			Centre,	Central
5	Dr V Vijaya Rama Raju	Digital Education and MOOCs for Faculties	Be a Digital Educator with MOOCs	1 Day	Educational Multimedia Research Centre, Osmania University, Hyderabad in collaboration with Consortium for Educational Communication	New Delhi
6	Dr V Vijaya Rama Raju	Short-Term Programme on Building Competencies of Teachers in Blended Learning and Teaching	Flipped Learning	1 Day	UGC – Human Resource Development Centre, University of Hyderabad, Central University P.O.	Hyderabad
7	Dr V Vijaya Rama Raju	NEP-2020 Perspective Management Capacity Enhancement Program-2024	Technology Integration in Teaching Learning and Governance	1 Day	Training and Development Center, Gokaraju Rangaraju Institute of Engineering and Technology	Hyderabad
8	Dr V Vijaya Rama Raju	Faculty Induction Programme	IQAC Procedures and Implementation	1 day	Training and Development Center, Gokaraju Rangaraju Institute of Engineering and Technology	Hyderabad

## 5. Students Enrollment and Progression

### 5.1 Number of seats filled under various quotas and quality of students

No. of Students (UG): 62

EAMCET Starting Rank: 24140

EAMCET Closing Rank: 153144

No. of Students (PG): NA

Gate Starting Rank: NA

Gate Closing Rank: NA

PGCET starting Rank: NA

PGCET closing Rank: NA

## 5.2 Academic Performance of Students

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) = 66

No. of students graduated from the program (n) = 17

UG Success Rate:  $m/n * 100 = 25.76$

No. of students admitted in corresponding first year (PG) (m1) = 4

No. of students graduated from the program (n1) = 4

PG Success Rate:  $m1/n1 * 100 = 100$

## 5.3 Students Placements, Higher Studies, Entrepreneurships

No. of students who are placed = 12

No. of students went for higher studies = 01

Highest and mean packages received by the students = 14 LPA and 5 LPA

No. of students with entrepreneurship details = 00

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) = 05

## 5.4 Students Activities

No. of Award-Winning Students in Technical Events: Nil

No. of Students Participated in Technical Events: Nil

No. of Students Participated in Sports / Cultural Events: Nil

No. of Students Participated in NSS Activities: Nil

## 6. Curriculum Development

### 6.1 New Courses

UG:

No. of new courses introduced (Mention the Regulation) = 9 Courses added in GR24 Reg

No. of courses with change in syllabus (if more than 20%) = Nil

PG:

No. of new courses introduced (Mention the Regulation) = NA

No. of courses with change in syllabus (if more than 20%) = NA

### 6.2 Details of Conduction of Remedial Classes for Academically Weak Students:

S. No	Name of the Course	Name of the Faculty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. of Students attended	No. of Students passed
1	AC Machine	P Praveen Kumar	03.01.2024 to 06.01.2024	4	15	15	9
2	Control Systems	D Karuna Kumar	08.01.2024 to 11.01.2024	4	16	16	11
3	Probability and Statistics	Dr V N Rama Devi	08.01.2024 to 11.01.2024	4	26	26	5

### 6.3 No. of Value-Added Courses Conducted:

S. No.	Name of the Value Added Course	Duration of the Course	No. of Hours	Faculty Coordinator	Collaborative Industry	No. of Students Registered	No. of Students Passed
1	IOT	5 Days	40	P Sri Vidya Devi and MN Sandhya Rani	GRIET	53	53
2	Python - Python 3.4.3	60 Days	40	P Prasanth Kumar	Spoken Tutorials	64	64
3	LaTeX	60 Days	40	P Prasanth Kumar	Spoken Tutorials	61	61
4	Scilab	60 Days	40	P Prasanth Kumar	Spoken Tutorials	55	55

### 6.4 No. of Student Activities Organized by the Department:

S. No.	Name of the Activity	Name of the Activit	Date of the Activi	Name of the Resourc	Collabo ration if any	Organi zed by Dept /	No. of Studen ts	Name of the Faculty	Online / Offline
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	(Workshop / Guest Lecture / Seminar / Industrial Visit / Alumni Talk, etc.)	y	ty Conducted	e person, Designation, Organization / Industry		Professional Body / etc.	attended	Coordinator	
1	Workshop (VAC)	Internet of Things (IOT)	18-20 March 2024	Dr. P Sri Vidya Devi & MN Sandhya Rani		IEEE- IAS & PES SB	55 = 2 (Faculty) + 53 Students	Dr. P Sri Vidya Devi & MN Sandhya Rani	Offline
2	Seminar	Project funding opportunities for students in IEEE	26 April 2024	Sai Kumar Tara, BVRIT Womens Hyd.		IEEE- IES SB	27 = 2 (Faculty) + 25 Students	Dr.B Phaneendra Babu	Offline
3	Webinar	Emerging Technology in EV Sector	25-Apr-24	Dr. V Sandeep		IEEE - PES SB	17 = 5 (Faculty) + 12 Students	Dr.V Vijaya Rama Raju	Offline
4	Seminar	Latest Trends in Electrical Technology	16-Apr-24	Mr. Manikya Chakravarthi		IEEE - PES SB	75 = 5 (Faculty) + 70 Students	Dr.V Vijaya Rama Raju	Offline
5	Seminar	Awareness on drone technology	26-Mar-24	Mr. Chakravarthy, IDA		IEEE - PES SB	74 = 4 (Faculty) + 70 Students	Dr.V Vijaya Rama Raju	Offline
6	Seminar	Seminar on Career	26-Mar-24	Debasis Dutta		IEEE - PES SB	71 = 1 (Faculty) + 70	Dr.V Vijaya Rama	Inside

		Development					Students	Raju	
7	Industrial Visit	Indian Institute of Millet Research	28-Feb-24	Dr. Rafi, IIMR		ISTE - SB	26 = 1 (Faculty) + 25 Students	R Anil Kumar	Inside
8	Technical Talk	Battery Storage in Microgrid and Renewable Energy Integration Applications	23-Feb-24	Dr. Sandeep Madisetti, Principal, R&D Engineer Lite-On Singapore Pvt Ltd		IEEE - IES SB	51 = 6 (Faculty) + 45 Students	Dr.B Phaneendra Babu	Inside
9	Distinguished Lecturer Program	IAS Distinguished Lecturer Program Electric Vehicle To Vehicle (V2V) Charging	27-Dec-23	Dr. Vinod Khadkikar, Professor, IEEE Fellow		IEEE - IAS SB	81 = 8 (Faculty) + 73 Students	Dr.B Phaneendra Babu	Inside
10	Seminar	Digital Innovative Solutions for Efficiency and Sustainability	20-Dec-23	Nandam Sivagangadha		IEEE - PES SB	42 = 2 (Faculty) + 40 Students	Dr.V Vijaya Rama Raju	Inside
11	Industry Visit	Unveiling	05-Dec-	Dr.Kishore		IEEE - IES SB	59 = 2 (Faculty)	Dr.V Vijaya	Inside

		Agricultural Excellence: A Day At ICRISAT	23	Kumar			y)+ 57 Students	Rama Raju	
12	Extra-curricular	Pragnya - 23 (Electro Quest and Zap zone)	27-Nov-23			IEEE - PES SB	19 Students	Dr.V Vijaya Rama Raju	Inside
13	Seminar	Outreach Program for GATE - 2024	12-Oct-23	Dr.Satya Peri, IITH		IEEE - PES SB	72 = 2 (Faculty)+ 70 Students	Dr.V Vijaya Rama Raju	Inside
14	Extra - Curricular Activities	Join the rivalry by college rivals	11 to 13-10-2023			IEEE - PES SB	702 = 2 (Faculty)+ 700 Students	Dr.V Vijaya Rama Raju	Inside
15	Quiz	Xkernel	07-Oct-23			IEEE - IES SB	31 = 1 (Faculty)+ 30 Students	Dr.V Vijaya Rama Raju	Inside
16	CO - Curricular Activities	Challenge ACI - Hackathon	06 to 08-10-2023	Ms. Lakshmi Eswari, Mr. Prashant Achanta		IEEE	187 = 21 (Faculty)+ 166 Students	Prof A Radhan and, Prof KN Balaji Kumar	Inside
17	Industrial Visit	ARCI	06-Oct-23			IEEE	34 = 1 (Faculty)+ 33 Students	Dr.B Phaneendra Babu	Inside
18	Visit	A Visit to Solar Panels on rooftop	26-Sep-23	Dr.V Vijaya Rama Raju		IEEE - PES SB	21 = 1 (Faculty)+ 20 Students	Dr.V Vijaya Rama Raju	Inside

		of our college.							
19	Star Event	Orphanage Visit	27-Aug-23			IEEE - WIE AG	5 = 1 (Faculty) + 4 Students	Dr. J Sridevi	Outside
20	Seminar	A session on a "Bharath EV Standards"	10-Aug-23	Harshitha Yeeraguntla, IES SBC Chair, EEE		IEEE - IES SB	53 = 3 (Faculty) + 50 Students	Dr. B Phaneendra Babu	Inside
21	Technical Talks	Renewable Energy and Society	26-Jul-23	Dr. J Sridevi		IEEE - WIE AG	43 = 3 (Faculty) + 40 Students	Dr. J Sridevi	Online
22	Seminar	An awareness session on a "Road Safety"	18-Jul-23	Mr. MD Arsh Alam	CII Telangana and MEIL	IEEE - PES SB	81 = 1 (Faculty) + 80 Students	Dr. V Vijaya Rama Raju	Inside

#### Overview on Faculty Contribution and Development:

Faculty have published papers in conferences and journals. Participated in workshops and FDPs.

#### Overview on Students Progression:

Students have participated in many seminars, industrial visits, workshops etc.

#### Overview on Academic Activities:

#### Result Analysis

Year & Sem	No.of Students	All Pass	One Arrear	Two Arrear	Three Arrear	More than three Arrear	Overall % of pass
II-I	70	56	3	2	1	8	80
III-I	68	49	9	2	5	3	72.06
IV-I	64	60	1	1	1	1	94
II-II	70	38	6	5	7	14	54
III-II	69	45	10	4	3	7	65
IV-II	64	55	3	4	1	1	86

Suggestions for the areas of improvement:

Name of the Audit Member:

Designation:

Name of the Institute:

Signature with date

Dr. BSRINIVASA RAO  
 Professor & HOD - EEE  
 BVRITH Hyderabad college of engineering & women  
 Hyderabad  
  
 26/1/2024



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date: 26.12.2024

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

1. Name of the Department to be Audited: Information Technology

2. Programs Offered:

	UG	UG
Name of the Program	B.Tech -IT	B.Tech - CSIT
Year of establishment	1999	2023

3. No. of Faculty & Students:

Designation	UG		PG	
Professors	4		1	
Associate Professors	6		1	
Assistant Professors	35		1	
Total no. of Students	621		10	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	405	216	4	6

#### 4. Faculty Information and Contributions

##### 4.1 Name of the Program(s):

Total Faculty	
Required Faculty	34
Available Faculty	48
No. of PhDs	10

Professors	
Required Faculty	4
Available Faculty	5
No. of PhDs	5

Associate Professors	
Required Faculty	7
Available Faculty	7
No. of PhDs	4

Assistant Professors	
Required Faculty	23
Available Faculty	36
No. of PhDs	01

$$\text{Faculty Qualification} = \frac{\text{Total Number of Faculty with PhD in the Department}}{\text{Total Number of Faculty Available}} \times 100 = 22.916$$

$$\text{Student Faculty Ratio (SFR)} = \frac{\text{Total Number of Students (UG \& PG) in the Department}}{\text{Total Number of Faculty Available in the Department}} = 13.14$$

##### 4.2 Faculty Publications

S. No.	Name of the Faculty	No. of Papers Published				Papers Published in Conferences	Papers Published in Journals	Total Papers Published	H-Index	No. of Citations
		Indexed in SCI	Indexed in Scopus	Indexed in Web of Science	Indexed in Others					
1	Dr. Y. J. Nagendra Kumar		13			13		13	9	399
2	Dr. K. Prasanna Lakshmi		1			1		1	6	336
3	Dr. Y.Sri Lalitha		3			1	2	3	4	43
4	Dr. N.V.Ganapathi Raju		10			8	2	10	6	264
5	Dr.N.Rajasekhar		8			7	1	8	7	327
6	Sri P. Gopala Krishna		5			5		5	3	16
7	Sri G. Vijendar Reddy		19			19		19	5	68
8	Dr.V.Akila								4	65
9	Dr.K.Ravi Kiran	1	8			7	2	9	3	18
10	Dr Ch.Vidyadhari	2	1			1	2	3	5	72
11	Dr R V S S Nagini	1	2			2	1	3		
12	Mrs. A. Pavithra		2			2		2	2	8
13	T.N.P. Madhuri		2			2		2	2	11

14	Sri P. K. Abhilash		7			7		7	2	20
15	Sri K. Sandeep		2			2		2		
16	Mrs. P Bharathi		2			2		2		
17	P.Prathibha Swaraj		1			1		1		
18	N Mounika		1			1		1		
19	Dr G Prasanthi	1	2		1	2	2	4	2	8
20	B H Kanaka Durga		1			1		1	2	38
21	T. Nishitha				1		1	1		
22	I Laxmi Bindu		1				1	1		

#### 4.3 Faculty Intellectual Property Rights (IPR)

S. No.	Name of the Faculty	Title of the Patent	Country / Institute	File Number	Status of Patent	Date of Application / Publication / Grant
NIL						

#### 4.4 Faculty Research and Development

S. No.	Name of the Faculty (PI / Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
NIL						

#### 4.5 Faculty Consultancy Projects

S. No.	Name of the Faculty	Title of the Project	Industry / Organization	Consultancy Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
1	Dr. Y Jeevan Nagendra Kumar, Prof P Gopala Krishna, Dr. Vidyadhari Chalasani	Full Field Strain Measurements of Composite Materials Subjected to High Strain Rates Using 2D and 3D High-Speed Digital Image Correlation	Hittites Technology India Limited	24 months	1500000	
2	Prof P Gopala Krishna, Dr. L Sukanya	Automated Fault Detection and Diagnosis in Steering Systems using Machine Learning Initiative	Ample Auto Tech Pvt Ltd	24 months	1700000	

#### 4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

S.No	Name of the Faculty	Name of the FDP/Workshop/STTP	Date of the Program	Duration	Organized Institution	Offline/Online
1.	Dr.N.V.Ganapathi Raju	Guest Lecture on Project Drona	27 July 2023	27 July 2023	IBM, HYSEA	Online
2.	Mrs.A.Pavithra	Application of Artificial Intelligence and Machine Learning in Research	21August 2023	21-25 August 2023	SR University, Warangal	Online
3.	Mrs.Kanaka Durga	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21August 2023	21-25 August 2023	AICTE, Braino Vision	Online
4.	Mrs.A.Srilakshmi	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
5.	Dr.Ch.Vidhyadhari	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
6.	Mrs.Y.Prasanna	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
7.	Mrs.P.Bharathi	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
8.	Dr.N.Rajasekhar	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
9.	Mr.Y.Subbarayudu	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
10.	Mrs.G.Lavanya	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
11.	Mrs.G.Swapana Rani	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
12.	Mrs.N.Mounika	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online

13.	Dr.K.Ravikiran	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
14.	Mr.G.Vijendar Reddy	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
15.	Mrs.J.Yamini Devi	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
16.	Dr.G.Prasanthi	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
17.	Ms.P.Prathibha Swaraj	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
18.	Mrs.A.Pavithra	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
19.	Mrs.L.Sukanya	Cloud Infrastructure AWS FDP_AICTE by Brain O Vision	21 August 2023	21-25 August 2023	AICTE, Braino Vision	Online
20.	Mrs.Kanaka Durga	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
21.	Mrs.A.Srilakshmi	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
22.	Dr.Ch.Vidhyadhari	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
23.	Mrs.Y.Prasanna	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
24.	Mrs.P.Bharathi	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
25.	Dr.N.Rajasekhar	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
26.	Mr.Y.Subbarayudu	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
27.	Mrs.G.Lavanya	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
28.	Mrs.G.Swapana Rani	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
29.	Mrs.N.Mounika	A Session on CO PO	09 August 2023	09 August 2023	Dept of IT	Offline

		Attainment				
30.	Dr.K.Ravikiran	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
31.	Mr.G.Vijendar Reddy	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
32.	Mrs.J.Yamini Devi	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
33.	Dr.G.Prasanthi	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
34.	Ms.P.Prathibha Swaraj	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
35.	Mrs.A.Pavithra	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
36.	Mrs.L.Sukanya	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
37.	Dr.Y.J.Nagendra Kumar	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
38.	Mr.K.Sandeep	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
39.	Mr.P.K.Abhilash	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
40.	Mrs.G.D.Viajaya Lakshmi	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
41.	Mrs.T.N.P.Madhuri	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
42.	Dr.V.Akila	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
43.	Mrs.V.Shailaja	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
44.	Mrs.D.Preethi	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT	Offline
45.	Mr.K.Chidanand	A Session on CO PO Attainment	09 August 2023	09 August 2023	Dept of IT,GRIET	Offline
46.	Dr.N.V.Ganapathi Raju	Block Chain Yatra at THUB	06 August 2023	06 August 2023	THUB, Hyderabad	Offline
47.	Faculty of IT	Session on Outcome Based Education	30 September 2023	30 September 2023	GRIET	Offline

48.	Dr.N.V.Ganapathi Raju	Project Drona Industrial Immersive Programme at Value Momentum	26 September 2023	26 September 2023	Value Momentum	Offline
49.	Mrs.A.Pavithra	World Environmental Health Day 2023	26 September 2023	26 September 2023	Quizzicals,GRIET	Offline
50.	Mrs.N.Mounika	Safety Club in Association with IWN Session on Balancing the Equation-Time and Health Management	25 September 2023	25 September 2023	WDC,GRIET	Offline
51.	Dr.N.Rajasekhar	Global Awards Ceremony	25 September 2023	25 September 2023	Jawaharlal Nehru Architecture and Fine Arts University	Offline
52.	Dr.Y.J.Nagendra Kumar	TED X (Season 5) Perspective 2.0	23 September 2023	23 September 2023	GRIET	Offline
53.	Mrs.A.Pavithra	Webinar on How to get Grants and Research Projects in ISRO	23 September 2023	23 September 2023	SR University,W arangal	Online
54.	Mrs.T.N.P.Madhuri	Webinar on How to get Grants and Research Projects in ISRO	23 September 2023	23 September 2023	SR University,W arangal	Online
55.	Mrs.P.Usha Rani	UNO Peace Day & Engineers Day	20September 2023	20-21 September 2023	Dept of CE,GRIET	Offline
56.	Dr.N.V.Ganapathi Raju	Inside the Black Box: Deep Learning with Sparse Coding, Additive Features and Nonnegative Matrix Decompositions(IEEE CIS)	15 September 2023	15 September 2023	IEEE,JNTUH	Offline
57.	Faculty of IT	Induction Programme 2023	14 September 2023	14 September 2023	GRIET	Offline
58.	Prof.P.Gopala Krishna	Orientation Day 2023	08 September 2023	08 September 2023	GRIET	Offline

59.	Mrs.G.Vijendar Reddy	Orientation Day 2023	08 September 2023	08 September 2023	GRIET	Offline
60.	Dr.K.Ravi Kiran	Orientation Day 2023	08 September 2023	08 September 2023	GRIET	Offline
61.	Mrs.P.K.Abhilash	Orientation Day 2023	08 September 2023	08 September 2023	GRIET	Offline
62.	Mrs.K.Sandeep	Orientation Day 2023	08 September 2023	08 September 2023	GRIET	Offline
63.	Mrs.Y.Subbarayudu	Orientation Day 2023	08 September 2023	08 September 2023	GRIET	Offline
64.	Mrs.K.Chidanand	Orientation Day 2023	08 September 2023	08 September 2023	GRIET	Offline
65.	Mr.Sushil Kawre	Orientation Day 2023	08 September 2023	08 September 2023	GRIET	Offline
66.	Faculty of IT	Teachers Day 2023	05 September 2023	05 September 2023	Dept of IT,GRIET	Offline
67.	Mrs.Y.Prasanna	Online FDP on Sales force Developer Platform 1	4 Sep 2023 to 9 Sep 2023	4 Sep 2023 to 9 Sep 2023	ICT Academy	Online
68.	Mrs.K.Swapna Rani	Online FDP on Sales force Developer Platform 1	4 Sep 2023 to 9 Sep 2023	4 Sep 2023 to 9 Sep 2023	ICT Academy	Online
69.	Dr.Y.J.Nagendra Kumar	Fiesta 2023 " Driving Value Through Human & Artificial Intelligence"	05 October 2023	05 October 2023	Capgemini	Offline
70.	Dr.K.Prasanna Lakshmi	Fiesta 2023 " Driving Value Through Human & Artificial Intelligence"	05 October 2023	05 October 2023	Capgemini	Offline
71.	Dr.CH.Vidyadhari	X-Kernal	07 October 2023	07 October 2023	GRIET	Offline
72.	P.Bharathi	X-Kernal	07 October 2023	07 October 2023	GRIET	Offline
73.	Faculty of IT	NBA Inspection	27 October 2023	27-28 October 2023	GRIET	Offline
74.	Dr.K.Ravi Kiran	Hyper ledger Certification Training on Block Chain Technology	27 November 2023	27 November 2023 to 01 December 2023	GRIET	Offline

75.	Dr.Y.J.Nagendra Kumar	Hyper ledger Certification Training on Block Chain Technology	27 November 2023	27 November 2023 to 01 December 2023	GRIET	Offline
76.	Dr.N.V.Ganapathi Raju	Hyper ledger Certification Training on Block Chain Technology	27 November 2023	27 November 2023 to 01 December 2023	GRIET	Offline
77.	Mrs.N.Mounika	Pragnya'23	27 November 2023	27- 28 November 2023	GRIET	Offline
78.	Dr.K.Ravi Kiran	Pledge for Vote and Walk for Democracy	25 November 2023	25 November 2023	GRIET	Offline
79.	Prathibha Swaraj	Pledge for Vote and Walk for Democracy	25 November 2023	25 November 2023	GRIET	Offline
80.	Dr.Ch.Vidhyadhari	Pledge for Vote and Walk for Democracy	25 November 2023	25 November 2023	GRIET	Offline
81.	K.Alekhya	Pledge for Vote and Walk for Democracy	25 November 2023	25 November 2023	GRIET	Offline
82.	Mrs.Naga Manasa	Pledge for Vote and Walk for Democracy	25 November 2023	25 November 2023	GRIET	Offline
83.	Dr.K.Akila	Pledge for Vote and Walk for Democracy	25 November 2023	25 November 2023	GRIET	Offline
84.	Dr.N.V.Ganapathi Raju	Study in Abroad	17 November 2023	17 November 2023	GRIET	Offline
85.	Dr.Ch.Vidhyadhari	X-Carnival	10 November 2023	10 November 2023	GRIET	Offline
86.	Mrs.A.Pavithra	Role of Statistics in Machine Learning	09 November 2023	09 November 2023	GRIET	Offline
87.	Mrs. T.N.P.Madhuri	Role of Statistics in Machine Learning	09 November 2023	09 November 2023	GRIET	Offline
88.	Mrs.N.Mounika	Docker Containers and Kubernetes	07 November 2023	07 November 2023	GRIET	Offline
89.	Mr.E.Krishna	Docker Containers and Kubernetes	07 November 2023	07 November 2023	GRIET	Offline
90.	Dr.K.Ravi Kiran	Workshop on Cyber Bloom	5 December 2023	5 December 2023	GRIET	Offline
91.	Dr.Y.J.Nagendra Kumar	Workshop on Cyber Bloom	5 December 2023	5 December 2023	GRIET	Offline
92.	Mrs.J.Alekhya	FDP on Stress	08 January 2024	08-12 January	GRIET	Online

		Management		2024		
93.	Mrs.A.Pavithra	Digital Nagrik Pledge	24 February 2024	24 February 2024	GRIET	Online
94.	Dr.Y.J.Nagendra Kumar	Industrial Visit to NISA	16 February 2024	16 February 2024	NISA, Hakeempet	Offline
95.	Dr.N.V.Ganapathi Raju	Industrial Visit to NISA	16 February 2024	16 February 2024	NISA, Hakeempet	Offline
96.	Mr.G.Vijendar Reddy	Industrial Visit to NISA	16 February 2024	16 February 2024	NISA, Hakeempet	Offline
97.	Mrs.A.Srilakshmi	Industrial Visit to NISA	16 February 2024	16 February 2024	NISA, Hakeempet	Offline
98.	Mrs.A.Pavithra	Industrial Visit to NISA	16 February 2024	16 February 2024	NISA, Hakeempet	Offline
99.	Mr.P.K.Abhilash	Industrial Visit to NISA	16 February 2024	16 February 2024	NISA, Hakeempet	Offline
100.	Faculty of IT	Session on ICT Tools	13 February 2024	13 February 2024	Dept of IT, GRIET	Offline
101.	Dr.Y.J.Nagendra Kumar	Microsoft Power BI Data Analyst Associate	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline
102.	Dr.N.V.Ganapathi Raju	Microsoft Power BI Data Analyst Associate	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline
103.	Mr.G.Vijendar Reddy	Microsoft Power BI Data Analyst Associate	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline
104.	Mr.P.Gopala Krishna	Microsoft Power BI Data Analyst Associate	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline
105.	Eruga Krishna	Microsoft Power BI Data Analyst Associate	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline
106.	H.Kanaka Durga	Microsoft Power BI Data Analyst Associate	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline
107.	K.Sandeep	Microsoft Power BI Data Analyst Associate	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline
108.	Mr.P.K.Abhilash	Microsoft Power BI Data Analyst	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline

		Associate				
109.	Dr.Y.Srilalitha	Microsoft Power BI Data Analyst Associate	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline
110.	Ms.I.Laxmi Bindu	Microsoft Power BI Data Analyst Associate	5 February 2024	5-9 February 2024	Dept of IT, GRIET	Offline
111.	Faculty of IT	70MM Event by Rhythms	23 March 2024	23 March 2024	Rhythms Club, Dept of IT,GRIET	Offline
112.	Faculty of IT	Seminar on Research & Consultancy	21 March 2024	21 March 2024	Dept of IT,GRIET	Offline
113.	Faculty of IT	Annual Day 2024	16 March 2024	16 March 2024	Dept of AIML,GRIET	Offline
114.	All faculty of IT	Ruedo 2024	14 March 2024	14-15 March 2024	NSS Wing,GRIET	Offline
115.	All faculty of IT	Health Check-up Camp by NSS	11 March 2024	11-13 March 2024	NSS Wing,GRIET	Offline
116.	All Women Faculty of IT	Women's Day 2024	6 March 2024	6 March 2024	WDC Cell,GRIET	Offline
117.	Dr.Y.J.Nagendra Kumar	NEP-2020 Perspective Management Capacity Enhancement Program-2024 (NEPMCEP-2024)	4 March 2024	4-6 March 2024	FDP Club,GRIET	Offline
118.	Dr.K.Prasanna Lakshmi	NEP-2020 Perspective Management Capacity Enhancement Program-2024 (NEPMCEP-2024)	4 March 2024	4-6 March 2024	FDP Club,GRIET	Offline
119.	Prof.P.Gopala Krishna	NEP-2020 Perspective Management Capacity Enhancement Program-2024 (NEPMCEP-2024)	4 March 2024	4-6 March 2024	FDP Club,GRIET	Offline
120.	Dr.Y.Srilalitha	NEP-2020 Perspective Management	4 March 2024	4-6 March 2024	FDP Club,GRIET	Offline

		Capacity Enhancement Program-2024 (NEPMCEP-2024)				
121.	Dr.N.V.Ganapathi Raju	NEP-2020 Perspective Management Capacity Enhancement Program-2024 (NEPMCEP-2024)	4 March 2024	4-6 March 2024	FDP Club,GRIET	Offline
122.	Mrs.A.Pavithra	NEP-2020 Perspective Management Capacity Enhancement Program-2024 (NEPMCEP-2024)	4 March 2024	4-6 March 2024	FDP Club,GRIET	Offline
123.	Mr.P.K.Abhilash	NEP-2020 Perspective Management Capacity Enhancement Program-2024 (NEPMCEP-2024)	4 March 2024	4-6 March 2024	FDP Club,GRIET	Offline
124.	Dr.N.V.Ganapathi Raju	Natural Language Processing & Big data	October 2023-March 2024	October 2023-March 2024	JNTUH	Offline
125.	Dr.N.V.Ganapathi Raju	Programming Using Python	October 2023-March 2024	October 2023-March 2024	JNTUH	Offline
126.	Ms. TNP Madhuri	Sports Awards Ceremony	30-04-2024	30-04-2024	GRIET	Offline
127.	Ms. T Nishitha	Universal Human Values (UHV-I)	13-05-2024 to 17-05-2024	13-05-2024 to 17-05-2024	FDP	Online
128.	Ms. D Preethi	Universal Human Values (UHV-I)	13-05-2024 to 17-05-2024	13-05-2024 to 17-05-2024	FDP	Online
129.	Ms.R Madhuri	Idea Generation Methods	13/05/2024 to 17/05/2024	13/05/2024 to 17/05/2024	FDP	Online
130.	Ms. J. Alekhya	Dot Net Full Stack	07/05/2024 to 30/06/2024	07/05/2024 to 30/06/2024	Wipro Certified Faculty (WCF)	Online
131.	Ms. R Madhuri	GENERATIVE AI & IT'S APPLICATIONS	15/05/2024	15/05/2024 to 20/05/2024	GRIET-AIMLE Dept	offline

132.	Ms. Inti Laxmi Bindu	GENERATIVE AI & IT'S APPLICATIONS	15/05/2024	15/05/2024 to 20/05/2024	GRIET-AIMLE Dept	offline
133.	Ms. M. Usha Rani	GENERATIVE AI & IT'S APPLICATIONS	15/05/2024	15/05/2024 to 20/05/2024	GRIET-AIMLE Dept	offline
134.	Ms. Chilukuri Sujatha	GENERATIVE AI & IT'S APPLICATIONS	15/05/2024	15/05/2024 to 20/05/2024	GRIET-AIMLE Dept	offline
135.	Ms. A Vani Pushpavathi	GENERATIVE AI & IT'S APPLICATIONS	15/05/2024	15/05/2024 to 20/05/2024	GRIET-AIMLE Dept	offline
136.	All Faculty	Enhancing Efficiency In Examination Systems	28-05-2024	28-05-2024	IQAC	Offline
137.	Ms. T Nishitha	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
138.	Ms. Vemula Divya	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
139.	Ms.R Madhuri	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
140.	Ms. J. Alekhya	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
141.	Yedida Prasanna	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
142.	Ms. Inti Laxmi Bindu	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
143.	Ms. M. Usha Rani	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
144.	Ms. Chilukuri Sujatha	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
145.	Ms. A Vani Pushpavathi	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
146.	K Manasa	Faculty Induction Program	10 June 2024	10-15 June 2024	GRIET	Offline
147.	T Nishitha	'Learning Paradigms in Machine Learning and Deep Learning with Python'in collaboration with NIT, Warangal, under the E&ICT Academy scheme.	20 June 2024	20-30 June 2024	MVSR Engineering College, Hyderabad	Online

#### 4.7 Faculty Certification

S. No.	Name of the Faculty	Name of the Course	Duration	Certification Agency
NIL				

#### 4.8 Faculty as Resource Persons

S. No.	Name of the Faculty	Type of Program	Lecture Topic	Duration	Organization	Place of Program
1.	Dr.N V Ganapathi Raju	Training Program	Programming using Python	09-10-2023 to 02-12-2023	JNTU	Hyderabad
2.	Dr.N V Ganapathi Raju	Training Program	Programming using Python	22-01-2024 to 16-03-2024	JNTU	Hyderabad
3.	Dr.N V Ganapathi Raju	Training Program	Conduct of Board of studies meeting for Computer Science & Engineering AI & ML Courses	24-11-2023	BVC College of Engineering	Rajamundry
4.	Dr.N V Ganapathi Raju	Training Program	B.Tech Specialized Programs (AI&ML,CSD & CIC) - Board of Studies meeting	28-04-2023	SRKR Engineering College	Bhimavaram
5.	Dr.G.Prasanthi	Guest Lecture	Artificial Intelligence	15-06-2024,18-06-2024	Telangana Police Academy	Hyderabad
6.	Sri P Gopala Krishna	Guest Lecture	Machine Learning	03-06-2024,04-06-2024	Telangana Police Academy	Hyderabad
7.	Dr.K Ravi Kiran	Guest Lecture	Deep Learning	3rd,4th,5th,7th June 2024	Telangana Police Academy	Hyderabad
8.	Dr. Y J Nagendra Kumar	Guest Lecture	Artificial Intelligence	5th,7th and 8th June 2024	Telangana Police Academy	Hyderabad
9.	Dr. V Akila	Guest Lecture	Machine Learning	14th,20th,21st, 22nd ,25th June 2024	Telangana Police Academy	Hyderabad
10.	Dr.N V Gnapathi Raju	Guest Lecture	Deep Learning	15-06-2024,25-06-2024	Telangana Police Academy	Hyderabad
11.	Dr.N Rajasekhar	Guest Lecture	Artificial Intelligence	20-06-2024,21-06-2024	Telangana Police Academy	Hyderabad
12.	Dr. Y Srilalitha	Guest Lecture	Machine Learning	21-06-2024,24-06-2024	Telangana Police Academy	Hyderabad
13.	Dr.R.V.S.S.S.Nagini	Guest Lecture	Deep Learning	1.07.24	Telangana Police Academy	Hyderabad
14.	Dr. Y Srilalitha	Guest Lecture	Evaluator for Postgraduate Program,Aurora	08-07-2024	Aurora College	Hyderabad

			Higher Education and Research Academy			
15.	Dr.N Rajasekhar	Speaker	Global Education Champions Award (Global Education and Careers Forum)	16-04-2024	JNTU	Hyderabad
16.	Sri P Gopala Krishna	Speaker	OBE and Accreditation	03-02-2024	KMIT	Hyderabad
17.	Sri P Gopala Krishna	Speaker	to deliver a online talk on Achieving Academic Excellence - Case Study on NIRF	27-07-2-23	RYM Engineering College	Ballari
18.	Dr. Y J Nagendra Kumar	Guest Lecture	Five Day Online Workshop on "BLOCKCHAIN TECHNOLOGY"	18-12-2023 to 22-12-2023	JNTU	Hyderabad
19.	Dr.N V Ganapathi Raju	Training Program	Programming using Python	09-10-2023 to 02-12-2023	JNTU	Hyderabad
20.	Dr.N V Ganapathi Raju	Training Program	Programming using Python	22-01-2024 to 16-03-2024	JNTU	Hyderabad
21.	Dr.N V Ganapathi Raju	Training Program	Conduct of Board of studies meeting for Computer Science & Engineering AI & ML Courses	24-11-2023	BVC College of Engineering	Rajamundry
22.	Dr.N V Ganapathi Raju	Training Program	B.Tech Specialized Programs (AI&ML,CSD & CIC) - Board of Studies meeting	28-04-2023	SRKR Engineering College	Bhimavaram
23.	Dr.G.Prasanthi	Guest Lecture	Artificial Intelligence	15-06-2024,18-06-2024	Telangana Police Academy	Hyderabad
24.	Sri P Gopala Krishna	Guest Lecture	Machine Learning	03-06-2024,04-06-2024	Telangana Police Academy	Hyderabad
25.	Dr.K Ravi Kiran	Guest Lecture	Deep Learning	3rd,4th,5th,7th June 2024	Telangana Police Academy	Hyderabad
26.	Dr. Y J Nagendra Kumar	Guest Lecture	Artificial Intelligence	5th,7th and 8th June 2024	Telangana Police Academy	Hyderabad

## 5. Students Enrollment and Progression

### 5.1 Number of seats filled under various quotas and quality of students

No. of Students (UG):180

EAMCET Starting Rank: 4656

EAMCET Closing Rank:97234

No. of Students (PG):7

Gate Starting Rank: NA  
 Gate Closing Rank: NA  
 PG CET stating Rank: 341  
 PG CET closing Rank: 1355

### 5.2 Academic Performance of Students

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) = 20

No. of students graduated from the program (n) = 167

UG Success Rate:  $m/n * 100 = 11.97$

No. of students admitted in corresponding first year (PG) (m1) = 7

No. of students graduated from the program (n1) = NIL

PG Success Rate:  $m1/n1 * 100 = \text{NIL}$

### 5.3 Students Placements, Higher Studies, Entrepreneurships

No. of students who are placed = 94

No. of students went for higher studies = 18

Highest and mean packages received by the students = 27 Lakh, 6.4 lakh

No. of students with entrepreneurship details = NO

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) = 18

### 5.4 Students Activities

## 6. Curriculum Development

### 6.1 New Courses

No. of new courses introduced (Mention the Regulation)

Sl.no	Regulation	Year-Sem	Course Code	Title
1	GR22	II-II Sem	GR22A2108	Effective Technical Communication
2	GR22	II-II Sem	GR22A2109	Real-time Research Project/Societal Related Project
3	GR20	III-I Sem	GR20A3046	Artificial Intelligence
4	GR20	III-I Sem	GR20A3055	Internet of things and Application
5	GR20	III-I Sem	GR20A3058	Internet of things and Application Lab
6	GR20	III-I Sem	GR20A3060	Python and R Programming lab
7	GR20	III-II Sem	GR20A3122	Machine learning lab
8	GR20	III-II Sem	GR20A3123	Machine learning
9	GR20	III-II Sem	GR20A3140	Fundamentals of Management &

				Entrepreneurship
10	GR20	III-II Sem	GR20A3124	Full stack Development
11	GR20	III-II Sem	GR20A3128	Agile Methodologies
12	GR20	III-II Sem	GR20A3129	Introduction to Data Science
13	GR20	III-I Sem	GR20A3130	Full stack Development Lab
14	GR20	IV-I Sem	GR20A4061	Deep Learning
15	GR20	IV-I Sem	GR20A4065	Unified Modeling Language Lab
16	GR20	III-II Sem	GR20A4067	Human Computer Interaction
17	GR20	IV-II Sem	GR20A4125	Cyber Forensics
18	GR20	III-I Sem	GR20A4115	Cyber Security
19	GR20	IV-I Sem	GR20A4116	Green Computing
20	GR20	IV-II Sem	GR20A4116	Design Patterns

No. of courses with change in syllabus (if more than 20%) = NA

Sl.no	Regulation	Year-Sem	Course Code	Title
1	GR22	NIL	NIL	NIL
2	GR20	NIL	NIL	NIL

**PG:**

No. of new courses introduced (Mention the Regulation) = 4

Sl.no	Regulation	Year-Sem	Course Code	Title
1	GR22	I-II Sem	GR22D5131	Image processing and Computer Vision Applications
2	GR22	I-II Sem	GR22D5132	Cyber Forensics
3	GR22	II-I Sem	GR22D5132	Anomaly Detection Algorithms
4	GR22	II-I Sem	GR22D5143	Business Intelligence

No. of courses with change in syllabus (if more than 20%) = 4

Sl.no	Regulation	Year-Sem	Course Code	Title
1	GR22	I-I Sem	GR22D5118	Fundamentals of Data Science
2	GR22	I-I Sem	GR22D5119	Advanced Data Structures and Algorithms Lab using Python
3	GR22	I-I Sem	GR22D5125	Foundations of Data Science Lab
4	GR22	I-I Sem	GR22D5129	Big Data Analytics

### 6.2 Details of Conduction of Remedial Classes for Academically Weak Students:

S. No	Name of the Course	Name of the Faculty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. Students attended	No. of Students passed
1	DATA COMMUNICATION AND COMPUTER SYSTEMS (DCCN)	Dr. K. Ravi Kiran	4 Days (08.02.2024 to 11.02.2024)	4 Hours	18	17	12

### 6.3 No. of Value Added Courses Conducted:

S. No.	Name of the Value Added Course	Duration of the Course	No. of Hours.	Faculty Coordinator	Collaborative Industry	No. of Students Registered	No. of Students Passed
1.	Java by Spoken Tutorials, IITB	45	45	Mrs. Srilakshmi Aluri	Spoken Tutorials, IITB	178	178
2.	R by Spoken Tutorials, IITB	45	45	Mrs. Srilakshmi Aluri	Spoken Tutorials, IITB	186	186
3.	Linux by Spoken Tutorials, IITB	45	45	Mrs. Srilakshmi Aluri	Spoken Tutorials, IITB	188	188
4.	RDBMS by Spoken Tutorials, IITB	45	45	Mrs. Srilakshmi Aluri	Spoken Tutorials, IITB	182	182
5.	Android app using Kotlin	45	45	Mrs. Srilakshmi Aluri	Spoken Tutorials, IITB	161	161
6.	Java Script	45	45	Mrs. Srilakshmi Aluri	Spoken Tutorials, IITB	156	156
7.	AWS Cloud Practitioner Essentials	45	45	Mrs.P.Bharathi	CISCO	98	98

### 6.4 No. of Student Activities Organized by the Department:

S. No.	Name of the Activity (Workshop / Guest Lecture / Seminar / Industrial Visit / Alumni Talk, etc.)	Name of the Activity	Date of the Activity Conducted	Name of the Resource person, Designation, Organization / Industry	Collaboration if any	Organized by Dept / Professional Body / etc.	No. of Students attended	Name of the Faculty Coordinator	Online / Offline
1.	Seminar	THREAT AWARE Awareness of Cyber Frauds, Cyber	28 June 2024	Mr Srikanth Appala, , Cyber Crime Investigator and Digital Forensics	NA	Professional Body- IEEE SB	40	P. Gopala Krishna	Offline

		Threats and Methods towards Safeguarding Oneself.		Specialist. Founder of Security4Sure and Project Manager at PentaQube Cyber Technologies					
2.	Guest Lecture	Guest Lecture on Software Requirement Analysis	15-06-2024	Sri Rama Reddy Satti Senior Principal Software Engineer Innova Solutions	NA		56	K.Sandeep	Offline
3.	Hackathon	VIVITSU-24	19-04-2024 to 20-04-2024	Manjunatha Srinivas Associate Director – Kellanova, Hyderabad.	NA	FSW	220	Dr. K. Ravikiran	Offline
4.	Seminar	Cyber Talks	30-03-2024	Mr. Subhash Popuri, Threat Hunter at Microsoft.	NA	IEEE-GRIET-SB	60	P. Gopala Krishna	Offline
5.	Industry Visit	Industrial visit to NISA	06-02-2024		NA	IEEE GRIET SB	45	Dr. N V .GANAPAT HIRAJU advisor for CIS Chapter, IEEE GRIET SB	Offline
6.	Workshop	College Counselling Workshop on Higher Education	23-01-2024	Zoch Thomas, University of South Alabama Acron Lottes, Purdue University	NA	Higher Education-IT	16	Dr. N.Rajasekhar	Offline
7.	Workshop	Cyber Bloom	05-12-2023	Anesetti Chaitanya Eshwar Prasad, Founder of Cyber Strix, and Director/CEO of XGyaan.	NA	FSW	17	Dr. K. Ravikiran	Offline
8.	Seminar	Study Abroad	17-11-2023	TEXAS REVIEW team	NA	IEEE GRIET SB	70	Dr. N V .GANAPAT HIRAJU advisor for	Offline

								CIS Chapter, IEEE GRIET SB	
9.	Guest Lecture	Docker Containers and Kubernetes	07-11-2023	Mrs. Ranjlitha K, Research Scholar at IITH	NA	IEEE GRIET SB	90	Dr. N V .GANAPAT HIRAJU advisor for CIS Chapter, IEEE GRIET SB	Offline
10.	Guest Lecture	Inside the Black Box	15-09-2023	Prof. Jacek M. Zurada, an IEEE Life Fellow from the University of Louisville in Louisville, Kentucky, USA.	NA	IEEE GRIET SB	21	Dr. N V .GANAPAT HIRAJU advisor for CIS Chapter, IEEE GRIET SB	Offline
11.	Seminar	Oriental Day 2023	08-09-2023	Dr.Y.J.Nagendra Kumar Dr.P.Gopal Krishna Dr.K.Prasanna Lakshmi Dr.N.Rajasekhar	NA		212	Dr. N.Rajasekhar	Offline

#### Overview on Faculty Contribution and Development:

#### Overview on Students Progression:

Student progression reflects the institution's commitment to holistic development. Filling **seats under various quotas** ensures inclusivity and diversity, while maintaining **student quality** through rigorous admissions. Monitoring **academic performance** helps identify strengths and address weaknesses. **Placements** and support for **higher studies** highlight career readiness, while fostering **entrepreneurship** cultivates innovation. Active participation in **student activities** promotes leadership and teamwork. Contributions to **curriculum development** ensure relevance to industry needs. **Remedial classes** for academically weak students provide essential support, and **value-added courses** enhance skills beyond the curriculum. Together, these efforts prepare students for personal and professional success in a competitive world.

#### Overview on Academic Activities:

Faculty members significantly contribute to academia through diverse activities. **Publications** in journals and conferences share knowledge and innovation, while **Intellectual Property Rights**

(IPR) protect their inventions and ideas. **Research and Development (R&D)** drives interdisciplinary advancements and collaborations with industry, addressing societal challenges. Faculty engage in **Consultancy Projects**, offering expertise to organizations and fostering academia-industry links. Participation in **Faculty Development Programs (FDPs)**, workshops, and **Short-Term Training Programs (STTPs)** ensures continuous learning and skill enhancement. **Certifications** strengthen their qualifications, while roles as **Resource Persons** in seminars and discussions enable knowledge sharing. These activities collectively enrich education, innovation, and institutional reputation.

**Suggestions for the areas of improvement:**

**Suggestions for Improvement in Student Progression:**

1. **Enhanced Monitoring Systems:** Implement advanced data analytics tools to track and analyze academic performance more effectively.
2. **Expanded Placement Opportunities:** Partner with diverse industries and sectors to broaden placement prospects and align them with emerging market trends.
3. **Entrepreneurship Support:** Establish dedicated incubation centers, funding opportunities, and mentorship programs to nurture student startups.
4. **Strengthened Value-Added Courses:** Offer courses in trending domains like AI, data science, and sustainability to meet current industry demands.
5. **Tailored Remedial Classes:** Design personalized remedial programs based on individual learning gaps, incorporating innovative teaching methods.
6. **Increased Inclusivity:** Introduce workshops or support systems to assist students from underrepresented quotas in adjusting to academic challenges.

**Suggestions for Improvement in Faculty Contributions:**

1. **Higher Impact Publications:** Encourage faculty to publish in high-impact journals and provide support for attending renowned international conferences.
2. **Promoting IPR:** Offer workshops on patent filing processes and incentivize IPR activities to increase innovation outputs.
3. **R&D Collaboration:** Foster stronger partnerships with global research institutions and industries for impactful interdisciplinary projects.
4. **Wider Consultancy Outreach:** Expand consultancy services to a broader range of industries, including startups and NGOs.
5. **Regular FDP Participation:** Ensure faculty participation in cutting-edge FDPs and encourage dissemination of acquired knowledge within the institution.
6. **Recognition of Resource Roles:** Formalize and recognize faculty contributions as resource persons to motivate active participation in knowledge dissemination.

  
Name of the Audit Member:

Designation:

Amoc. Professor

(Dr. G. RAJESH KUMAR)

Amoc. Professor, Dept of IT.

VNR VJIE T (Autonomous), HYD.



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date: 09 December 2024

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

1. Name of the Department to be Audited: Department of Electronics and Communication Engineering

2. Programs Offered:

	UG	PG
Name of the Program	B.Tech	M.Tech
Year of establishment	1997	2006

3. No. of Faculty & Students:

Designation	UG		PG	
	Professors	12	1	
Associate Professors	7		1	
Assistant Professors	17		1	
Total no. of Students	678		13	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	440	238	4	9

#### 4. Faculty Information and Contributions

##### 4.1 Name of the Program(s): B.Tech

Total Faculty	
Required Faculty	90
Available Faculty	36
No. of PhDs	15
Professors	
Required Faculty	10
Available Faculty	12
No. of PhDs	12

Associate Professors	
Required Faculty	20
Available Faculty	7
No. of PhDs	3
Assistant Professors	
Required Faculty	60
Available Faculty	17
No. of PhDs	0

$$\text{Faculty Qualification} = \frac{\text{Total Number of Faculty with PhD in the Department}}{\text{Total Number of Faculty Available}} \times 100 = \frac{15}{36} \times 100 = 41.66$$

$$\text{Student Faculty Ratio (SFR)}: \frac{\text{Total Number of Students (UG \& PG) in the Department}}{\text{Total Number of Faculty Available in the Department}} = \frac{691}{36} = 19.19$$

##### 4.2 Faculty Publications

S. No.	Name of the Faculty	No. of Papers Published				Papers Published in Conferences	Papers Published in Journals	Total Papers Published	H-Index	No. of Citations
		Indexed in SCI	Indexed in Scopus	Indexed in Web of Science	Indexed in Others					
1	Dr.Ch.Usha kumari	01	03		3	03	01	04	13	802

2	Dr.T.Padma	00	03		3	03	00	03	8	183
3	Dr.K.Swaraja	01	02		02	08	02	10	14	670
4	Dr.K.Meenakshi	00	03		03	05	03	08	15	859
5	Dr.V.Himabindu	02	00		00	07	02	09	10	372
6	Dr.T.Jagannatha Swamy	01	01		01	03	02	05	5	112
7	Dr.N.Arun Vignesh	03	12		12	12	03	15	13	557
8	Dr.V.Srehari	05	06		06	05	06	11	13	565
9	Ms.B.Shilpa	01	04		04	04	01	05	3	33
10	Dr.M.Kiran	01	04		04	04	01	05	4	76
11	Dr.M.Sunitha	00	03		03	02	01	03	4	49
12	Ms.Y.Priyanka	00	04		04	03	01	04	6	60

13	Dr.A.Ush asree	00	03		03	02	01	03	4	33
14	Mr.T.San tosh	01	00		00	00	01	01	3	27
15	Mr.M. Javeed Mehdi	00	01		01	03	01	04	3	26
16	Dr.V.Ayy em Pillai	00	03		03	03	00	03	3	59
17	Dr.V.Ara vind	00	09		09	09	00	09	1	6
18	Dr.K.Jam al	00	07		07	07	00	07	8	224
19	Mr.M.O. V.Pavan kumar	00	04		04	04	00	04	4	43
20	Mr.K.N.V .Khasim	00	04		04	04	00	04	2	12
21	Mr.G.V.S ubbaRed dy	00	07		07	07	00	07	4	53
22	Dr.G.Sur ekha	00	07		07	07	00	07	2	8

23	Dr.G.Ma matha	00	03		03	03	00	03	5	81
24	Dr.D.Jay anthi	00	03		03	03	00	03	5	85
25	Mr.B.Vee ra Reddy	00	02		02	02	00	02	3	11

#### 4.3 Faculty Intellectual Property Rights (IPR)

S. No	Name of the Faculty	Title of the Patent	Country / Institute	File Number	Status of Patent	Date of Application / Publication / Grant
1	Dr K Jamal	Real- time secure text transmission using video steganography	Indian, GRIET	202441084480A	Published	08/11/2024
2	Dr Ch Usha Kumari	Locally Adaptive Contrast Improvement for Underwater Image Enhancement	Indian,GR IET	202441084488A	Published	08/11/2024
3	Dr M Kiran	Palm print authentication system for biometric applications	Indian,GR IET	202441084479A	Published	15/11/2024

#### 4.4 Faculty Research and Development

S. No	Name of the Faculty (PI / Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
1	<b>PI:</b> Dr Hima Bindu, Professor, ECE <b>Co-PIs:</b> Dr Krishna Bhargavi, Associate Prof, CSE; Dr P Sanjeeva, Professor, AIMLE; Dr Arun Vignesh, Associate Prof, ECE	Assessing Energy Efficiency Measures for Hydraulic Systems using ML techniques	M/s: Hitties Technology India Ltd	1 year	13.37	13.37
2	PI: Dr Satyanarayana and CO- PI - Dr V srihari	Tensile fomability studies of high strength materials for aerospace applications	M/s: Hitties Technology India Ltd	1 year	10	10

#### 4.5 Faculty Consultancy Projects

S. No	Name of the Faculty	Title of the Project	Industry / Organization	Consultancy Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
1	PI: Dr Arun Vignesh, Associate Prof, ECE  Co-PIs Dr Krishna Bhargavi,	Multi-Sensor Data Fusion Techniques for Enhanced Perception and	M/s: Hitties Technology India Ltd	1 year	10	10

	Associate Prof, CSE  Dr P Sanjeeva, Professor, AIMLE  Dr Hima Bindu, Professor, ECE	Decision Making in Autonomou s Vehicles				
2	PI: Dr Meenakshi, Professor, ECE & Co- PI:  Dr E Poornima, Associate Professor, AIML	A deep learning- based road fracture detection using stairnet	Hysec Heating Equipment	1 year	5.33	5.33

#### 4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

S. No.	Name of the Faculty	Name of the FDP / Workshop /STTP	Date of the Program	Duration	Organized Institute	Online / Offline
1	Dr N Arun Vignesh	Introduction to Machine Learning	Jan-Apr 2024	12 weeks	IIT Madras	Online
2	Dr N Arun Vignesh	An Introduction to Artificial Intelligence	Jan-Apr 2024	12 weeks	IIT Madras	Online
3	Dr N Arun Vignesh	Data Analytics with Python	Jan-Apr 2024	12 weeks	IIT Madras	Online
4	Dr K Swaraja	Introduction to Machine Learning	Jul-Sep 2024	8 weeks	IIT Kharagpur	Online

5	Dr.K.Jamal	Recent Trends in Semiconductor IC Design in Indian Perspective - A Hands-on Approach	2-12-2024 to 07-12-2024	1 week	Osmania University, Hyderabad, telangana	Offline
6	Dr M Kiran	Recent Trends in Semiconductor IC Design in Indian Perspective - A Hands-on Approach	2-12-2024 to 07-12-2024	1 week	Osmania University, Hyderabad, telangana	Offline
7	Dr Ch. Usha Kumari	Intensive Faculty Training Program on Computer Networks Lab	5-9 Aug 24	5 Days	GRIET	Offline
8	Dr T Jagannadh Swamy	Intensive Faculty Training Program on Computer Networks Lab	5-9 Aug 24	5 Days	GRIET	Offline

#### 4.7 Faculty Certification

S. No.	Name of the Faculty	Name of the Course	Duration	Certification Agency
1	Dr K Swaraja	Introduction to Machine Learning IITKGP	8 Weeks	NPTEL Swayam
2	Ms Mounica M	Joy of Computing using Python	12 Weeks	NPTEL Swayam
3	Vijay Kumar Vadladi	Joy of Computing using Python	12 Weeks	NPTEL Swayam

4	Dr V Aravind	Deep Learning IIT Ropar	12 Weeks	NPTEL Swayam
5	Dr V Aravind	Cloud Computing IITKGP	12 Weeks	NPTEL Swayam
6	Dr N Arun Vignesh	Introduction to Machine Learning	12 Weeks	NPTEL Swayam
7	Dr N Arun Vignesh	An Introduction to Artificial Intelligence	12 Weeks	NPTEL Swayam
8	Dr N Arun Vignesh	Data Analytics with Python	12 Weeks	NPTEL Swayam

#### 4.8 Faculty as Resource Persons

S. No.	Name of the Faculty	Type of Program	Lecture Topic	Duration	Organization	Place of Program
1	Dr Hima Bindu V	Advanced Consultancy Course	Modern Surveillance Systems	3 hrs 08 Nov 2024	NISA, CISF, Hyderabad	NISA, Hakimpet, Hyderabad

### 5. Students Enrollment and Progression

#### 5.1 Number of seats filled under various quotas and quality of students

No. of Students (UG):64  
 EAMCET Starting Rank:6886  
 EAMCET Closing Rank: 78680

No. of Students (PG):10  
 Gate Starting Rank:455  
 Gate Closing Rank:455  
 PGCET stating Rank:117  
 PGCET closing Rank:585

#### 5.2 Academic Performance of Students

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) = 78 (2023-24 1st & 2nd year) , 330+30 (2020-21 1st year & same batch 2nd year lateral ie. lateral students of 2021-22)

No. of students graduated from the program (n) = 311

UG Success Rate:  $n/m * 100 = (311/330)*100 = 94.242\%$

No. of students admitted in corresponding first year (PG) (m1) = 10

No. of students graduated from the program (n1) = 10

PG Success Rate:  $n1/m1 * 100 =$

### 5.3 Students Placements, Higher Studies, Entrepreneurships

No. of students who are placed = 135

No. of students went for higher studies = 15

Highest and mean packages received by the students = 10.73lak and 5.39 lakh

No. of students with entrepreneurship details = 0

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) = 20

### 5.4 Students Activities

No. of Award Winning Students in Technical Events: 2

No. of Students Participated in Technical Events: 198

No. of Students Participated in Sports / Cultural Events: 43

No. of Students Participated in NSS Activities: 19

## 6. Curriculum Development

### 6.1 New Courses

UG:

No. of new courses introduced (Mention the Regulation)

**19 courses (GR20) & 4 courses (GR22)**

No. of courses with change in syllabus (if more than 20%)

2 Courses (GR22)

PG:

No. of new courses introduced (Mention the Regulation) = 2 (GR22)

No. of courses with change in syllabus (if more than 20%) = 1 (GR22)

6.2 Details of Conduction of Remedial Classes for Academically Weak Students:

S. No	Name of the Course	Name of the Faculty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. Students attended	No. of Students passed
1	ADC	Dr K Swaraja	10/12/2024 to 14/12/2024	5	33	23	Exam in January 2025
2	EMTL	Dr T Padma	9/12/2024 to 14/12/2024	5	33	24	Exam in January 2025

6.3 No. of Value Added Courses Conducted:

S.No	Name of the Value Added Course	Duration of the Course	No. of Hours	Faculty Coordinator	Collaborative Industry	No. of Students Registered	No. of Students Passed
1	Elements of Electronics and Communication Engineering	8 weeks	32	Dr G Surekha, Professor, Dept of ECE, GRIET	NA	140	132
2	Elements of Electronics and Communication Engineering	8 weeks	32	Dr G Surekha, Professor, Dept of ECE, GRIET	NA	140	132
3	Fundamentals of IoT	6 weeks	42	Dr K Swaraja, Professor, Dept of ECE, GRIET	NA	211	193
4	Fundamentals of DBMS	6 weeks	40	Dr Hima Bindu V, Professor,	NA	211	208

				Dept of ECE, GRIET			
5	Latex for Paper Writing	10 weeks	40	Dr K Meenakshi, Professor, Dept of ECE, GRIET	NA	330	316
6	Simulation of Image Processing and Transformatio n Techniques	6 weeks	32	Dr T Padma, Professor, Dept of ECE, GRIET	NA	328	324

6.4 No. of Student Activities Organized by the Department:

S. No.	Name of the Activity (Workshop / Guest Lecture / Seminar / Industrial Visit /Alumni Talk, etc.)	Name of the Activity	Date of the Activity Conducted	Name of the Resource person, Designation, Organization / Industry	Collaboration if any	Organized by Dept / Professional Body / etc.	No. of Students attended	Name of the Faculty Coordinator	Online / Offline
1	Seminar	Applications of AI in biomedical image processing	27 June 2024	Dr. P.V. Naganjaneyulu, Professor Department of ECE, School Of Engineering, Mizoram	-	ISACA	146	Dr Ch Usha Kumari, Dr. N Arun Vignesh	Offline

				University (Central University)					
2	Workshop	PCB Design Workshop	3 June 2024	Prof. A Radhanad, Associate  Professor, Dept of ECE	NA	ISACA	30	Dr Ch Usha kumari	Offline
3	Industrial Visit	Industrial Visit to NRSC	25 June2 024	Mr Srikanth, NRSC Event Manager, NRSC, Jeedimetla. Hyderabad	NRSC	IEEE CAS and IEEE GRSS	170	Dr Hima Bindu V, Dr V Sreehari	Offline
4	Technical Talk	Indian Space Programs and Missions	18 Septe mber 2024	Shri Ajith Kumar Nath, Retd. Scientist/Enginee r-SG, ISRO	Space Club, GRIE T	IEEE CAS and IEEE GRSS	51	Dr Hima Bindu V	Offline
5	Workshop	Field Project on Manual and Autonomous control of Drones	28 - 29 June 2024	Sankeerth , 4th year, ECE, GRIET  Krupakar , 4th year, ECE, GRIET  Akash , 4th year, ECE, GRIET  J Sai Krishna, 3rd year, ECE, GRIET	Dron e Club	IEEE CAS and IEEE GRSS	33	Dr Hima Bindu V and Dr Kiran M	Offline

#### Overview on Faculty Contribution and Development:

Faculty members play a crucial role in shaping the academic, research, and administrative environment of a department. Teaching, Curriculum Development, Research is satisfied. But Innovation, Outreach and Community Engagement can be improved. A robust focus on faculty contributions and their professional development is essential in maintaining academic excellence and fostering innovation.

**Overview on Students Progression:** Tracking and fostering students' progression ensures they are well-prepared for the challenges of the rapidly evolving technological landscape.

Mentorship and Counseling, Continuous Assessment and Feedback, Bridge the Gap Between Academia and Industry can be improved.

**Overview on Academic Activities:** Lectures, Laboratory Sessions, Seminars and Presentations, Certification Courses, Workshops and Training, Hackathons and Competitions, Publications, Technical Clubs, Internships, Industrial Visits are satisfied.

**Suggestions for the areas of improvement:** Incorporate Interdisciplinary Learning, Strengthen Industry Partnerships and Support Faculty-Student Research.

Name of the Audit Member: Dr. T. Venkata Rao.

Designation: Asso. Professor.

Name of the Institute:

Signature with date

SNIST

  
09/12/24



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date:21-12-2024

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

1. Name of the Department to be Audited:

2. Programs Offered:

	UG	PG
Name of the Program	CSE(AI&ML)	-
Year of establishment	2020	-

3. No. of Faculty & Students:

Designation	UG		PG	
Professors	2		-	
Associate Professors	2		-	
Assistant Professors	24		-	
Total no. of Students	482		-	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	312	170		

#### 4. Faculty Information and Contributions

##### 4.1 Name of the Program(s): CSE(AI&ML)

Total Faculty	
Required Faculty	21
Available Faculty	27
No. of PhDs	04

Professors	
Required Faculty	03
Available Faculty	02
No. of PhDs	02

Associate Professors	
Required Faculty	06
Available Faculty	02
No. of PhDs	02

Assistant Professors	
Required Faculty	12
Available Faculty	23
No. of PhDs	0

$$\text{Faculty Qualification} = \frac{\text{Total Number of Faculty with PhD in the Department}}{\text{Total Number of Faculty Available}} \times 100 = \frac{4}{27} \times 100 = 14.81$$

$$\text{Student Faculty Ratio (SFR)} = \frac{\text{Total Number of Students (UG \& PG) in the Department}}{\text{Total Number of Faculty Available in the Department}} = \frac{492}{27} = 18.22$$

##### 4.2 Faculty Publications

S. No.	Name of the Faculty	No. of Papers Published				Papers Published in Conferences	Papers Published in Journals	Total Papers Published	H-Index	No. of Citations
		Indexed in SCI	Indexed in Scopus	Indexed in Web of Science	Indexed in Others					
1	Dr. G. KARUNA	1	7			7	1	8	10	349
2	Dr. R. P. RAM KUMAR		7			7		7	5	89
3	Dr. SANJEEVA POLEPAKA	1	7			7	1	8	7	184
4	Dr. E. POORNIMA	1	8			8	1	8	7	196
5	Ms. M. SHAMILA		4			4		4	4	103

6	Ms. K. SARITHA		3			3		3	2	6
7	Ms. A. MADHAVI		3			3		3	1	4
8	Ms. P. DEEPTHI		3			3		3	1	6
9	Mr. RAMESH BANOTH		4			4		4	2	0
10	Mr. M. ANJANEYU LU		3			3		3	1	213
11	Ms. T. ANNAPURNA		3			3		3	1	4

#### 4.3 Faculty Intellectual Property Rights (IPR)

S. No.	Name of the Faculty	Title of the Patent	Country / Institute	File Number	Status of Patent	Date of Application / Publication / Grant
	Dr.G.Karuna	Food Detection Using Classification with Convolutional Neural Network	IPR, India	202441031088 A	Published	<b>4/26/2024</b>

#### 4.4 Faculty Research and Development

sS. No.	Name of the Faculty (PI / Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)

#### 4.5 Faculty Consultancy Projects

S.	Name of the	Title of the Project	Industry /	Consul	Sanctioned	Amount
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No.	Faculty		Organization	Project Duration	Amount (Lakhs)	Received (Lakhs)
	Dr. G. Karuna (CO-PI)	Efficient Data Management in Material testing through Hyperledger Blockchain	M/s: HITTITES TECHNOLOGY INDIA LIMITED	1 Year	10	10
	Dr. G. Karuna (PI)	Detection of Bone Fracture from Medical Imaging Data using Digital Volume Correlation(DVC) Analysis and Machine Learning	M/s: HITTITES TECHNOLOGY INDIA LIMITED	1 Year	10	10
	Dr. R. P. Ram Kumar (PI)	Predictive Modelling for Early Detection of Neurodegenerative Diseases using Multi-Modal Brain Imaging and Hybrid Machine Learning	M/s: HITTITES TECHNOLOGY INDIA LIMITED	1 Year	10	10
	Dr. P. Sanjeeva (CO-PI)	Mutli-Sensor Data Fusion Techniques for Enhanced Perception and Decision Making in Autonomous Vehicles	M/s: HITTITES TECHNOLOGY INDIA LIMITED	1 Year	10	10
	Dr. P. Sanjeeva (CO-PI)	Assessing the Energy Efficiency Measures for Hydraulic Systems Using ML Techniques	M/s: HITTITES TECHNOLOGY INDIA LIMITED	1 Year	13.37	13.37
	Dr. E. Poornima (CO-PI)	A deep learning-based road fracture detection using strain net	Hysec Heating Equipment	1 Year	5.33	5.33

#### 4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

S. No	Participant	Name of the FDP /	Date of the	Duration	Organized	Online /
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	Name	Workshop /STTP	Program		Institute	Offline
1	Dr E Poornima	Power of Visualization in Analytics	16 to 21st August,2023	6 Days	BVRIT College of Engineering for Woman	Online
2	P Shirisha	Power of Visualization in Analytics	16 to 21st August,2023	6 Days	BVRIT College of Engineering for Woman	Online
3	Samyuktha Pusalara	Power of Visualization in Analytics	16 to 21st August,2023	6 Days	BVRIT College of Engineering for Woman	Online
4	K Saritha	Power of Visualization in Analytics	16 to 21st August,2023	6 Days	BVRIT College of Engineering for Woman	Online
5	A.Madhavi	Power of Visualization in Analytics	16 to 21st August,2023	6 Days	BVRIT College of Engineering for Woman	Online
6	P. Deepthi	Power of Visualization in Analytics	16 to 21st August,2023	6 Days	BVRIT College of Engineering for Woman	Online
7	A.Madhavi	Societal Applications of machine learning	24th to 28th July	5 Days	Sri Vishnu Engg College for Woman	Online
8	Dr Sanjeeva Polepaka	Innovation towards Journal Search for Publications	26-08-2023	1 Day	Gates institute of Technology	Online
10	Dr. G. KARUNA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
11.	Dr. R. P. RAM KUMAR	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
12.	Dr. SANJEEVA POLEPAKA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
13.	Dr. E. POORNIMA	Cloud Infrastructure	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online

		(AWS)				
14.	Ms. M. SHAMILA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
15.	Ms. K. SARITHA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
16.	Ms. A. MADHAVI	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
17.	Mr. K. ARUN	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
18.	Ms. P. DEEPTHI	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
19.	Mr. RAMESH BANOTH	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
20.	Mr. M. ANJANEYULU	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
21.	Ms. T. ANNAPURNA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
22.	Ms. P. SHIRISHA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
23.	Mr. N. DEVENDHAR	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
24.	Mr. NEERAJ SHARMA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
25.	Mr. Y. BHARATH BHUSHAN	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online

26.	Ms. LAKSHMI SRAVANI	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
27.	Mr. B. NARENDRA ACHARI	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
28.	Ms. S. RAJINI PARIMALA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
29.	Ms. P. SAMYUKTA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
30.	Ms. G. KARUNA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
31.	Ms. E. ANNAPOORNA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
32.	Ms. SOWJANYA	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
33.	Ms. M. SANTOSHI KUMARI	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
34.	Ms. MANASA VANAM	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
35.	Mr. K. SHOBHAN BABU	Cloud Infrastructure (AWS)	21st TO 25th August, 2023	5 Days	Brain O Vision (AWS)	Online
37	P. Deepthi	Artificial Intelligence, Machine Learning and its Application	10th to 14th July, 2023	5 Days	Bharath Institute of Engineering and Technology. Hyderabad.	Online
38	Dr.E.Poornima	Social	10th to 15th	6Days	Narasimha	Online

		Applications of Blockchain Technology and cyber Physical Systems	July, 2023		Reddy Engineering College	
39	Neeraj Sharma	Intel-1 API Hackathon	20th July , 2023	1 Day	Intel	Online
40	Bharath Yannam	Digital Creativity Skills	July , 2023		Adobe Academic Essentials	Online
41	Bharath Yannam	Course era	July , 2023		Project Drona	Online
42	Bharath Bhushan Yannam	Course era (Qualitative research Methods)	July , 2023		University of Amsterdam	Online
44	P. Shirisha	Artificial Intelligence, Machine Learning and its Application	10th to 14th July, 2023	5 Days	Bharath Institute of Engineering and Technology. Hyderabad.	Online
45	P. Deepthi	Artificial Intelligence, Machine Learning and its Application	10th to 14th July, 2023	5 Days	Bharath Institute of Engineering and Technology. Hyderabad.	Online
46	Dr.E.Poornima	Social Applications of Blockchain Technology and cyber Physical Systems	10th to 15th July, 2023	6 Days	Narasimha Reddy Engineering College	Online
52	P. Shirisha	Artificial Intelligence, Machine Learning and its Application	10th to 14th July, 2023	5 Days	Bharath Institute of Engineering and Technology.	Online

					Hyderabad.	
53	Dr.G. Karuna	Hyperledger Certification Training	27th Nov 2023 to 1st Dec 2023	5 Days	Information Data Systems	Offline
54	Dr.E.Poornima	Hyperledger Certification Training	27th Nov 2023 to 1st Dec 2023	5 Days	Information Data Systems	Offline
55	Vanam Manasa	Hyperledger Certification Training	27th Nov 2023 to 1st Dec 2023	5 Days	Information Data Systems	Offline
56	Vanam Manasa	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online
57	K.Saritha	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online
58	P.Deepthi	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online
59	T. Annapoorna	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online
61	S.Rajini Parimala	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online
62	Dr.E.Poornima	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online
63	B.Samyuktha	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online

64	B.Rajashekar	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online
65	P.Nethra Sree	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online
66	P,Shirisha	AI Cloud Apps	4th Nov 2023	1 Day	Annapureddy India Technologies Pvt LTD	Online
67	P.Deepthi	Big data Analytics	4th Dec to 15th Dec, 2023	12 days	VNR Vignanjyothi institute of engineering and technology	Online
68	Dr.G.Karuna	HYSEA Leadership development program	18th ,25th November and 2nd ,9th December, 2023	4 Days	HYSEA	Online
69	E.Poornima	Future trends and advances in Emerging Technologies.	5th to 9th Dec,2023	5 Days	School of Computer applications	Online
70	P.Deepthi	5th International Conference on Design and manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023)	1-12-2023 to 2-12-23	2 Days	GRIET	Offline
71	Vanam Manasa	5th International Conference on Design and manufacturing	1-12-2023 to 2-12-23	2 Days	GRIET	Offline

		Aspects for Sustainable Energy (ICMED-ICMPC 2023)				
72	E.Annapoorna	5th International Conference on Design and manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023)	1-12-2023 to 2-12-23	2 Days	GRIET	Offline
73	M.Anjaneyulu	5th International Conference on Design and manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023)	1-12-2023 to 2-12-23	2 Days	GRIET	Offline
74	K.Arun	5th International Conference on Design and manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023)	1-12-2023 to 2-12-23	2 Days	GRIET	Offline
75	Dr.E.Poornima	Blockchain technology	18th to 22nd Dec,2023	5 Days	JNTUH	Online
76	Vanam Manasa	Vulnerability assessment and penetration testing.	19th jan to 20th Jan 2024	2 Days	JNTUH	Offline
77	Dr.R.P.Ram Kumar	Generative AI: Transforming education and Research	08/01/2024 to 13/01/2024	6 Days	BVRIT College of Engineering for Women	Offline

78	Vanam Manasa	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
79	P.Deepthi	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
80	G.Karuna	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
81	K.Saritha	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
82	T.Annapoorna	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
83	A.Madhavi	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
84	E.Annapoorna	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
85	M.Shamila	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
86	M.Santhoshi	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
87	S.Rajini Parimala	Role of Bigdata and Cloud in the	29th jan to 3rd Feb,2024	6 Days	GATES Institute of	Online

		Era of Transformation			Technology	
88	K.G.Sravani	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
89	B.Narendrachari	Microsoft Power BI Data Analyst associate	5th Feb to 9th feb,2024	5 Days	GRIET	Offline
90	T.Annapoorna	Microsoft Power BI Data Analyst associate	5th Feb to 9th feb,2024	5 Days	GRIET	Offline
91	Neeraj Sharma	Microsoft Power BI Data Analyst associate	5th Feb to 9th feb,2024	5 Days	GRIET	Offline
92	Dr.G.Karuna	Microsoft Power BI Data Analyst associate	5th Feb to 9th feb,2024	5 Days	GRIET	Offline
93	P.Samyuktha	Deep Learning for Computer Vision and its applications.	6th feb, to 11th feb,2024	5 Days	VNR Vignana jyothi Institute of Engineering and Technology	Online
94	K.Saritha	Deep Learning for Computer Vision and its applications.	6th feb, to 11th feb,2024	5 Days	VNR Vignana jyothi Institute of Engineering and Technology	Online
95	K.Saritha	Data Visualization	29th Jan, to 3rd feb,2024	6 days	VNR Vignana jyothi Institute of Engineering and Technology	Online
96	S.Rajini Parimala	Data Visualization	29th Jan, to 3rd feb,2024	6 days	VNR Vignana jyothi Institute of Engineering and Technology	Online

97	M.Anjaneyulu	Data Visualization	29th Jan, to 3rd feb,2024	6 days	VNR Vignana jyothi Institute of Engineering and Technology	Online
98	T.Annapurna	Data Visualization	29th Jan, to 3rd feb,2024	6 days	VNR Vignana jyothi Institute of Engineering and Technology	Online
99	Dr.G.Karuna	Data Visualization	29th Jan, to 3rd feb,2024	6 days	VNR Vignana jyothi Institute of Engineering and Technology	Online
101	Dr. P.Sanjeeva	Incubator capacity building Program	10th Feb,2024	1 Day	JNTUH	offline
102	Dr.R.P.Ram Kumar	Incubator capacity building Program	10th Feb,2024	1 Day	JNTUH	Offline
103	B. Rajashekar	Role of Bigdata and Cloud in the Era of Transformation	29th jan to 3rd Feb,2024	6 Days	GATES Institute of Technology	Online
104	B.Rajashekar	NEP-2020 Perspective Management Capacity Enhancement Program-2024	4th to 6th march ,2024	3 days	GRIET	Offline
105	Dr. G.Karuna	NEP-2020 Perspective Management Capacity Enhancement Program-2024	4th to 6th march ,2024	3 Days	GRIET	Offline
106	B. Rajashekar	“Data Visualization using Tableau”	1st to 5th April ,2024	6 Days	GRIET	Online

107	B. Rajashekar	“Technical Writing Using LaTeX”	30th march to 5th April ,2024	6 Days	GRIET	online
108	B. Rajashekar	“securing Block chain Applications”	22nd to 26th April ,2024	5 Days	GRIET	Online
109	Ms. A. MADHAVI	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
110	Mr. B. NARENDRA ACHARI	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
111	Ms. P. SAMYUKTA	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
112	Ms. A. SAMATHA	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
113	Ms. I. HARITHA	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
114	Ms. P. NETHRASRI	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
115	Mr. B. RAJASEKHAR	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
116	Ms. K. GIRIDHARA SRAVANI	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
10	Mr. K. SHOBHAN BABU	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
17	Ms. B. KIRANMAI	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
18	Ms. R. DIVYA	Faculty Induction	10-06-2024	6 Days	GRIET	Offline

		Programme	to 15-06-2024			
23	V.Manasa	Faculty Induction Programme	10-06-2024 to 15-06-2024	6 Days	GRIET	Offline
24	Dr.E.Poornima	Hands On Course In Machine Learning for Bio medical Signal Processing	24-06-2024 To 30-06-2024	7 days	Indian Institute of Information Technology and Management (IIITM), Gwalior	Online
25	S.Rajini Parimala	Hands On Course In Machine Learning for Bio medical Signal Processing	24-06-2024 To 30-06-2024	7 Days	Indian Institute of Information Technology and Management (IIITM), Gwalior	Online

#### 4.7 Faculty Certification

S. No.	Name of the Faculty	Name of the Course	Duration	Certification Agency
1	T.annapurna	Introduction to Internet of Things	4 Months	NPTEL
2	K.Saritha	Machine Learning A_ZTM : Python & R + chatGPT Bonus{2023	53 days	Udemy
3	Bharath Yannam	Digital Creativity Skills	July 2023	Course era
4	Bharath Yannam	Course era	July 2023	Course era
5	Bharath Bhushan Yannam	Qualitative research Methods	July 2023	Course era

6	Dr. G. Karuna	HYSEA Leadership Development Program	Nov to Dec 2023	Project Drona
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#### 4.8 Faculty as Resource Persons

S. No.	Name of the Faculty	Type of Program	Lecture Topic	Duration	Organization	Place of Program
	Dr.G.Karuna	Indoor classes on Communication Theory	Basics of Python Programming	6 hours	TSPITCO,TSPA	Hyderabad
	Dr.G.Karuna	Indoor classes for STCPCs(IT &C)	Python Data Structures	6 hours	Police Academy	Begampet, Hyderabad
	Dr.G.Karuna	Keynote Session	Artificial Intelligence in Healthcare	3 hours	National Conference on "Artificial Intelligence frontiers in Bioinformatics	JNTUH,Hyderabad
	Dr.G.Karuna	AI Workshop	Python coding Skills	12 hours	Ganges Valley School	GRIET
	Dr.G.Karuna	Faculty Induction Program	OBE based question paper setting	2 hours	GRIET	GRIET,Hyderabad
	Dr.R.P.Ram Kumar	AI Workshop	Python coding Skills	9 hours	Ganges Valley School	GRIET
	Dr R P Ram Kumar	Indoor classes on Communication	<b>Unsupervised Learning:</b> Clustering	9 hours	Police Academy	Begampet, Hyderabad

		Theory	:K-means,K-modes,K-prototypes , Agglomerative ,DBScan			
	Dr.P.Sanjeeva	Indoor classes on Communication Theory		4 hours	Police Academy	Begampet, Hyderabad
	Dr.E.Poornima	Indoor classes on Communication Theory	Machine Learning using Scikit learn package (Anaconda) –Hands-on	6 hours	RBVRR TELANGANA STATE POLICE ACADEMY	Hyderabad
	Dr.E.Poornima	Indoor classes for STCPCs(IT &C)	Machine Learning using Scikit learn package (Anaconda) –Hands-on	6 hours	Police Academy	Begampet, Hyderabad

## 5. Students Enrollment and Progression

### 5.1 Number of seats filled under various quotas and quality of students

No. of Students (UG): 192

EAMCET Starting Rank: 3231

EAMCET Closing Rank: 8072

No. of Students (PG):

Gate Starting Rank:

Gate Closing Rank:  
PGCET stating Rank:  
PGCET closing Rank:

## 5.2 Academic Performance of Students

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) =  $60+9=69-1=68$

No. of students graduated from the program (n) = 67

UG Success Rate:  $m/n * 100 = 67/68*100=0.98$

No. of students admitted in corresponding first year (PG) (m1) =

No. of students graduated from the program (n1) =

PG Success Rate:  $m1/n1 * 100 =$

## 5.3 Students Placements, Higher Studies, Entrepreneurships

No. of students who are placed = 52

No. of students went for higher studies = 4

Highest and mean packages received by the students = Salary:17.89 Lakhs,  
Mean: 6.11Lakhs

No. of students with entrepreneurship details = Nil

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) = GRE-3 GATE-1

## 5.4 Students Activities

No. of Award Winning Students in Technical Events: 07

No. of Students Participated in Technical Events: 20

No. of Students Participated in Sports / Cultural Events:40

No. of Students Participated in NSS Activities: 50

## 6. Curriculum Development

### 6.1 New Courses

UG:

No. of new courses introduced (Mention the Regulation) = 4-GR22

No. of courses with change in syllabus (if more than 20%) = 21

PG:

No. of new courses introduced (Mention the Regulation) = NA

No. of courses with change in syllabus (if more than 20%) = NA

#### 6.2 Details of Conduction of Remedial Classes for Academically Weak Students:

S. No	Name of the Course	Name of the Faulty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. of Students attended	No. of Students passed
1	OS	II-II	Dr.Sanjeeva Polepaka	8/1/24 to 10/1/24	14	12	8
2	DEVC	I-II	Ch.Phani RamaKrishna	2/1/24 to 6/1/24	61	4	2
3	EP	I-II	Dr.K.Vagdevi	9/1/24 to 12/1/24	7	7	5

#### 6.3 No. of Value Added Courses Conducted:

S. No.	Name of the Value Added Course	Duration of the Course	No. of Hours	Faculty Coordinator	Collaborative Industry	No. of Students Registered	No. of Students Passed
1	Linux	8 Weeks	48 hours	T.Annapoor na	IIT(Bombay)	207	207
2	Kturtle	8 Weeks	48 hours	T.Annapoor na	IIT(Bombay)	215	215

#### 6.4 No. of Student Activities Organized by the Department:

S. No.	Name of the Activity (Workshop / Guest Lecture / Seminar / Industrial Visit /Alumni Talk, etc.)	Name of the Activity	Date of the Activity Conducted	Name of the Resource person, Designation, Organization / Industry	Collaboration if any	Organized by Dept / Professional Body / etc.	No. of Students attended	Name of the Faculty Coordinator	Online / Offline
1	workshop	"Fundamentals of IOT and App Development"	26-06-2023 to 14-07-2023.	Dr. R. P. RAM KUMAR ,Professor,GRIET T.Ms. K. SARITHA Assistant professor,GRIET T.Dr. MV. RAMA SUNDARI Professor,GRIET .Ms. MANASA VANAM Assistant professor,GRIET T.Ms. M. LAHARI Assistant professor,GRIET T.Dr. E. POORNIMA Associate professor,GRIET Ms. CH SRILATHA Assistant professor,GRIET .Mr. K MALLIKARJUNA RAJU Assistant professor,GRIET .Ms. MANASA VANAM Assistant professor,GRIET	Yes	Department	180	Dr.G.Karuna & Dr.R.P.Ram Kumar	Offline

				.Ms. K MONICA SOWMYA Assistant professor,GRIET .Ms. T. ANNAPURNA Assistant professor,GRIET S.Assistant professor,GRIET .RAJINI PARIMALA Assistant professor,GRIET .Y BHARATH BUSHAN Assistant professor,GRIET					
2	workshop	"Exclusi ve Worksh op & Master Class with Esteem ed US Universi ty Leaders "	18-07- 2023t o 18- 07- 2023.	Dr. Paul Plotkowski, Dean of the College of Engineering & Computing, Dr. Mark Staves, Chair and Professor of Cell & Molecular Biology, Dr. Kingshuk Majumdar, Professor of Physics, Daniel C. Vélez is the associate vice president for Admissions and Recruitment at Grand Valley, Christopher Hendree is the Associate Director of Admissions at Grand Valley, Kirthi Srivastav	Yes	Depart ment	200	Dr.G.Karun a & V.Manasa	Offline

				is the Independent Country Director for Grand Valley					
3	Info session	"GDSC - GRIET Info Session and Core Team Introduction "	21-08-2023 to 25-08-2023	Dr.Jandyala Narayan Murthy, Director, GRIET. Dr. J. Praveen Principal,GRIET.	Yes	Professional Body (GDSC)and Department	150	Dr.G.Karuna &Dr.P.Sanjeeva	Offline
4	GuestLecture	"Virtual reality in Teaching Learning Process "	14-09-2023 to 14-09-2023	IXR,Noida	Yes	Department	13	Dr.G.Karuna	Offline
5	TechTalk	"Student Incubation Programme(SIP)"	14-09-2023 to 14-09-2023	Dr.G.Karuna, Proffesor, HOD of AIMLE Dr. M.Ramasundhari, Professor, D.M.Kiran Kumar, Assosiate Professor, AIMLE GRIET.	Yes	Department	500	Dr.G.Karuna	Offline
6	Annual Tech Fest,quiz and extra curricular activities	"X-Kernel23(Annual Tech fest)"	7-10-2023to 7-10-2023		Yes		349	Dr.G.Karuna & Dr.M.Kiran Kumar	Offline
7	Quiz	"Mind Matrix"	20-10-2023to 20-10-2023	Guest:Dr.E.Poornima, Associate Professor,GRIET.DR.A.Sreejy hosna Associate Professor,GRIE	Yes	IEEE (Tems)	100	Dr.R.P.Ram Kumar	Offline

				T					
8	seminar	"Generative AI Product Show"	20-10-2023 to 20-10-2023	Chiranjeevi Maddala, Director of Product, Marketing & Innovation	Yes	IEEE GRIET TEMS SBC	86	Dr.G.Karuna & Dr.R.P.Ram Kumar	Offline
9	workshop	Hyper Ledger Certification Training (Blockchain Technology BY IDS)	27-11-2023 to 1-12-2023	Voruganti. Aravind Vice President(Block chain Practice &Products) Daniyal Mukati Enterprise Block chain Architect	Yes	Department	63	Dr.G.Karuna & Dr.E.Poor nima	Offline
11	seminar	Empowering Futures : Embrace a Global Education Journey with Excellence.	08-12-2023 to 08-12-2023		Yes	Department	121	Dr.G.Karuna & V.Manasa	Offline
12	seminar	IELTS/ GRE free training scholarship	19-12-2023 to 19-12-2023	Lakshminarayan an Secretary Global education and career forum	Yes	Department	108	Dr.G.Karuna & V.Manasa	Offline
13	seminar	Industry academia in collaboration with Infosys springb	28-02-2024 to 28-02-2024	1. Ms. Girija T R 2. Ms.Aishwarya Rajeev	Yes	Department	201	Dr. P Srividya Devi & V.Manasa	Offline

		oard(se minar)							
14	workshop	Industr y acad emia in collabo ration with Infosys springb oard(w orksho p)	28- 02- 2024 to 28- 02- 2024	1. Ms. Girija T R 2. Ms.Aishwarya Rajeev	Yes	Depart ment	51	Dr. P Srividya Devi & V.Manasa	Offline
15	seminar	Industr y acad emia in collabo ration with Infosys springb oard(se minar for faculty)	28- 02- 2024 to 28- 02- 2024	1. Ms. Girija T R 2. Ms.Aishwarya Rajeev	Yes	Depart ment	51	Dr. P Srividya Devi & V.Manasa	Offline
16	Guest Lecture	Introdu ction toMidd le Tennes see State Univer sity	06- 03- 2024 to 06- 03- 2024	John Wilson, Ed.D,MSTU	Yes	Depart ment	152	Dr.R.P.Ram Kumar & V.Manasa	Offline
17	Industrial Visit	Global Spiritual ity Mahost av	15- 03- 2024 to 15- 03- 2024	Baba Ramdev - Patanjali Yogpeeth Mata Amritanandama yi Daaji (Kamlesh Patel) - Shri Ram Chandra Mission B K	Yes	Depart ment	50	Dr.G.Karu na & V.Manasa	Offline

				Mruthyunjaya - Brahma Kumaris Sadhguru - Isha Foundation Sri Sri Ravi Shankar - Art of Living Sister Shivani - Brahma Kumaris Pir Zia Inayat Khan - Inayati Order Dr. Jayanti S. Ravi - Auroville Foundation Gaur Gopal Das - Motivational Speaker					
18	Co-Curricular Activities	27 <sup>th</sup> Annual Day	16-03-2024 to 16-03-2024	Dr K Venkateswara Rao, Registrar of JNTUH GUEST OF HONOR: Shri Amarnath Juluri, Vice President of LTIMind Tree SPECIAL GUESTS: Shri M Kiran, Head Talent Acquisition AP and TS, LTIMind Tree Smt Yohitha, Talent Acquisition Specialist, LTIMind Tree	Yes	Department	350	Dr. G Karuna, Dr. M Kiran Kumar, Dr. Sree Jyotshna Ankam	Offline
19	20-06-2024 to 20-06-2024	Industrial Visit	T-HUB Industrial Tour: A Journey	Gudeebag - Abhishek Agarwal Manayatri Team			90	Dr.G.Karuna & V.Manasa	Offline

			y into Innova tion						
20	20-06-2024 to 22-06- 2024	worksh op	Works hop “Unve iling the power of Gener ative AI” Hackat hon “Gen- AI Challe nge”	Venkat Ramana Goud Kuna AISHWAR VERMA P Raja Global Knowledge Technologies		IEETEM S& Robotics	50	Dr.G.Karu na & Dr.R.P.Ra m Kumar&V .Manasa	Offline
21	22-06-2024 to 22-06- 2024	Hardwa re based Projects Compet ition	“SCIEN TIFIC FORES TEP” A Projec t Expo on Hardw are based Projec ts	1. Srujan Panuganti Founder, Xairo Tech Pvt Ltd 2. Deepak Reddy Co-Founder, Roratum Mechatronics Pvt Ltd 3. Srinivasa Rao Nagiseti Project Manager, Bureau Veritas Group			89	Dr.G.Karun a & Dr.M.Kiran Kumar	Offline
22	26-06-2024 to 26-06- 2024	present ation	“Mini project Road show”	Dr.R.P.Ram Kumar, Professor, AIMLE A.Sreejyotsna,A ssistant Professor,AIML E			92	Dr.G.Karun a.B.Rajasek har & P.Shirisha	Offline
23	27-06-2024 to 27-06- 2024	present ation	“Mini project Road show”	Dr.P.Sanjeeva, Associate Professor, AIMLE Dr.E.Poornima,			101	Dr.G.Karun a,E.Annapo orna & M.Santoshi Kumari	Offline

				Associate Professor, AIMLE.					
24	28-06-2024 to 28-06-2024	presentation	“Mini project Road show”	Dr.R.P.Ram Kumar, Professor, AIMLE A.Sreejyotsna, Assistant Professor, AIMLE.			94	Dr.G.Karuna, M.Shamila & P.Deepthi	Offline
25	28-06-2024 to 29-06-2024	Workshop	Introduction and awareness to machine Learning Models and Large Language Models	Mr. Y.V.N PhaniKishore, Co-founder and Director at GYANASTRA IT Solutions Mr. P. Mohan, Sr.Data Scientist at Tech Mahindra		GDSA	94	Dr.G.Karuna & Dr.P.Sanjeeva	Offline

#### Overview on Faculty Contribution and Development:

- Faculty publications, patents, and consultancy projects are adequate in 2023-24.
- Faculty organized and attended various workshops and FDPs in latest technologies.
- Faculty have done industry-oriented certification courses on NPTEL courses.

#### Overview on Students Progression:

- The academic results of II,III,IV AIML are impressive and success rate is good.
- Students involved in various technical and non-technical events.

#### Overview on Academic Activities:

- The curriculum is revised and introduced as per industry-requirement in the curriculum
- The department organized value added courses like Kturtle and Linux.
- Remedial classes organized academically weak students

**Suggestions for the areas of improvement:**

- International conference is not organized in the department

Name of the Audit Member: Dr. G. Venkata Ram Reddy

Designation: Professor & Dean

Name of the Institute: Vardham College of Engineering.

Signature with date: G. Venkata Ram Reddy  
21/12/2024



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date: 26/12/24

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

1. Name of the Department to be Audited: CSE

2. Programs Offered:

	UG	PG
Name of the Program	CSE	CSE
Year of establishment	1997	2007

3. No. of Faculty & Students:

Designation	UG		PG	
Professors	12		02	
Associate Professors	04		01	
Assistant Professors	56		03	
Total no. of Students	1254		17	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	805	449	10	07

#### 4. Faculty Information and Contributions

##### 4.1 Name of the Program(s):

Total Faculty	
Required Faculty	62
Available Faculty	78
No. of PhDs	19

Professors	
Required Faculty	7
Available Faculty	17
No. of PhDs	15

Associate Professors	
Required Faculty	13
Available Faculty	7
No. of PhDs	4

Assistant Professors	
Required Faculty	41
Available Faculty	54
No. of PhDs	0

$$\text{Faculty Qualification} = \frac{\text{Total Number of Faculty with PhD in the Department}}{\text{Total Number of Faculty Available}} \times 100 = \frac{19}{78} \times 100 = 24.36$$

$$\text{Student Faculty Ratio (SFR)} = \frac{\text{Total Number of Students (UG \& PG) in the Department}}{\text{Total Number of Faculty Available in the Department}} = \frac{1216}{78} = 15.58$$

##### 4.2 Faculty Publications

S. No.	Name of the Faculty	No. of Papers Published				Papers Published in Conferences	Papers Published in Journals	Total Papers Published	H-Index	No. of Citations
		Indexed in SCI	Indexed in Scopus	Indexed in Web of Science	Indexed in Others					
1	Dr.B.Sankara Babu	-	9	-	-	9	-	9	7	248
2	Dr.K.Anuradha	1	4	-	-	4	1	5	9	290
3	Dr.Ch.Mallikarjuna Rao	-	5	-	-	3	2	5	6	119
4	Dr.K.Madhavi	-	15	2	-	15	2	17	7	260
5	Prof.G.Mallika	-	9	1	-	9	1	10	4	59

	rjuna Rao									
6	Dr.B.Srinivasa Rao	-	06	-	-	06	-	06	6	28
7	Dr.G.S.Bapiraju	-	-	-	-	-	-	-	1	2
8	Dr.P.Chandra Sekhar Reddy	-	6	1	-	5	2	7	5	69
9	Dr.K.Butchi Raju	01	02	-	-	02	01	03	4	87
10	Dr.G.R.Sakthi Dharan	1	1	-	-	1	2	3	5	100
11	Dr.G.Charles Babu	02	14	-	-	12	04	16	6	165
12	Dr.P.Varaprasada Rao	-	05	01	-	3	3	06	5	46
13	R.Aruna Flarence	-	2	-	1	2	-	03	2	10
14	Dr.G.Ramesh	02	17	03	-	17	05	22	09	315
15	Dr.Ashlin Deepa R. N	-	6	3	-	3	3	6	6	65
16	Dr.V.Srilakshmi	1	5	-	-	5	1	6	6	85
17	Dr.Y.Krishna Bhargavi	-	4	1	2	3	4	7	2	13
18	Dr.D.Siri	1	2	-	-	4	-	9	-	1
19	K. Anusha	-	4	-	-	-	-	4	-	-
20	K. Adilakshmi	01	01	-	-	1	1	2	1	25
21	Sandhya.STGY	-	-	-	-	-	-	-	-	-
22	R.Soujanya	-	07	-	-	06	1	07	3	27
23	Dr.B.Padma Vijetha Dev	02	04	-	-	06	3	05	2	18
24	D.Suguna	-	-	-	-	-	-	-	-	-

	Kumari									
25	V.Keerthi	-	02	-	-	02	-	02	-	-
26	Dr.N Krishna Chythanya	-	6	-	-	5	1	6	3	24
27	B.Sindhuja	-	02	-	-	02	-	02	01	02
28	B.S.Anil Kumar	-	01	-	-	01	-	01	2	8
29	Bh.Prashanthi	-	3	-	-	3	-	3	1	4
30	R.Shanmuka Shalini	-	-	-	-	-	-	-	-	-
31	D.Ushasree	-	5	-	-	4	1	5	2	8
32	T.V.Suneetha	-	04	02	-	04	02	06	01	04
33	V.Srinivas	-	02	-	-	02	-	02	02	11
34	B.Pushpa	-	-	-	-	-	-	-	-	-
35	C.Sravani	-	3	1	-	3	1	4	2	6
36	Sowjanya .Addu	-	-	-	-	-	-	-	-	-
37	Dr.Channabas amma	-	4	-	-	-	-	4	-	-
38	N.Srihitha Gunapriya	-	2	-	-	2	-	2	1	1
39	B.Indu Priya	-	2	-	-	-	-	2	-	-
40	G.Vandhana	-	-	-	-	-	-	-	-	-
41	V.Ramya Manaswi	-	3	-	1	3	1	4	-	-
42	Arunkumar	-	-	-	-	-	-	-	-	-
43	G.Satish	-	-	2	-	2	1	-	-	-
44	Apurva Khandekar	1	3	-	-	3	1	4	2	5
45	Tabitha Indupalli	-	3	-	-	3	-	3	1	1
46	Dr.Geeta	-	-	-	-	-	-	-	-	-

	Mahadeo Ambildhuke									
47	D.Swathi	-	3	-	-	3	-	3	-	-
48	V.Lakshmi		2	-		2		2	1	2
49	T.Aswini Devi	-	-	-	-	-	-	-	-	-
50	V.Jyothi	-	1	1	1	3	-	3	-1	3
51	V.Swapna	-	-	-	-	-	-	-	-	-
52	G.Neelima	-	5	-	-	4	1	5	-	-
53.	P.Tara	-	-	-	-	--	-	-	-	-
1	Kumari									
54	A.Nagender Babu	-	2	-	-	2	-	2	0	-
55	K.Chandra Mouli	-	8	2	-	8	2	10	3	20
56	A.Anil Kumar Reddy	-	1	-	1	-	1	3	1	3
57	H.Kalyan Rao	-	-	-	-	1	-	1	-	-
58	B.Geetha Kumari	-	3	-	-	2	1	3	-	-
59.	N.Sashi	-	-	-	-	-	-	-	-	-
N	Prabha									
60	G.Tavanya	-	-	-	-	-	-	-	-	-
61	B.Divya	-	2	-	-	2	-	4	-	-
62	B.Sravya	-	2	-	-	1	1	2	-	-
63	KVSL.Harika	-	3	1	-	3	1	4	-	-
64	P.Pavani	-	3	-	-	3	-	3	-	-
65	J.Lakshmi Prasanna	-	-	-	-	-	-	-	-	-
66	J.Sravanthi	-	4	-	-	4	-	4	-	-
67	K.Lavanya	-	-	-	-	-	-	-	-	-
68	S.Ritwika	-	7	-	-	7	-	7	-	-

69	K.Srikanth	-	-	-	-	-	-	-	-	-
70	G.Y.Vybhavi	-	5	1	-	5	1	6	-	-
71	P.Ravi Kumar	-	1	-	-	1	-	1	-	-
72	S.Soujanya	-	1	-	-	1	-	1	0	0
73	S.Asha Jyothi		2	-	-	2	-	2	0	0
74	D.Pavithra	-	-	-	0	-	-	0	-	-
75	Lohitha Mallireddy	-	-	-	0	-	-	0	-	-

#### 4.3 Faculty Intellectual Property Rights (IPR)

S. No.	Name of the Faculty	Title of the Patent	Country / Institute	File Number	Status of Patent	Date of Application / Publication / Grant
1.	DR.G.Charles Babu	RIDE SAFEGUARD:A Holistic Approach to Rider Safety and Demand Prediction	Indian	202441041243	Published	31/05/2024
2.	DR.G.Charles Babu	Precision Agriculture Platform: Optimizing Crop Management For Sustainable Yields	Indian	202441041244	Published	31/05/2024
3.	DR.G.Charles Babu DR.B.Sankara Babu	Creating a Visual-Based Authentication System Utilizing CCP	Indian	202441041245	Published	31/05/2024
4.	Dr.B.Sankara	Digital Certificate		202441023701 A		05/04/2024

	Babu	Authentication System Using Block Chain Technology	Indian		Published	
5.	B.Geetha Kumari	A Hybrid System For Automatic Speed Control And Alarm For Abnormal Driving Vehicle	Indian	202441016140 A	Published	29/03/2024
6.	Dr.G N Beena Bethel	Implementation Of Hybrid Deep Learning Models For Battery Systems In Real World Electric Vehicles	Indian	202331048934 A	Published	13/10/2023

#### 4.4 Faculty Research and Development

S. No.	Name of the Faculty (PI / Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
1.	Dr Siri, Dr Karuna&Dr sankarBabu	Efficient Data Management in Material Testing through HyperledgerBlock chain	M/s: HITTITES TECHNOLOGY INDIA LIMITED	2 Year	10,00,000	10,00,000
2.	DrV.Srilakshmi & Dr Siri	Spare parts	Atek	2 Year	15,00,000	15,00,000

		Inventory Optimization Through Machine Learning Driven Demand Forecasting				
3.	Dr Krishna Bhargavi, Dr P Sanjeev, Dr Hima Bindu & Dr Arun Vignesh	Assessing Energy Efficiency Measures for Hydraulic Systems using ML techniques	M/s: HITTITES TECHNOLOGY INDIA LIMITED	2 Year	13,37,000	13,37,000
4.	Dr K Madhavi & Dr Ramesh	Optimization of Supply Chain Management using Machine Learning	Audintel	2 Year	10,00,000	10,00,000
5.	Dr Ganapathi & Dr Lipika	Smart Supply Chain For Big Data Analysis	Audintel	2 Year	10,00,000	10,00,000

#### 4.5 Faculty Consultancy Projects

S. No.	Name of the Faculty	Title of the Project	Industry / Organization	Consultancy Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
1.	Dr Ram Kumar & Dr. S Govinda Rao	Predictive Modelling for Early Detection of Neuro degenerative Diseases using Multi-Modal	Hittites Technology India Limited	1 Year	10,00,000	10,00,000

		Brain Imaging and Hybrid Machine Learning				
2.	Dr Krishna Bhargavi, Dr P Sanjeeva, Dr Hima Bindu & Dr Arun Vignesh	Multi-Sensor Data Fusion Techniques for Enhanced Perception and Decision Making in Autonomous Vehicles	Hittites Technology India Limited	1 Year	10,00,000	10,00,000
3.	Dr K Madhavi & Dr Ramesh G	Optimization of Supply Chain Management using Machine Learning	Audintel India Pvt Ltd	1 Year	9,90,000	9,90,000

#### 4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

S. No.	Name of the Faculty	Name of the FDP / Workshop /STTP	Date of the Program	Duration	Organized Institute	Online / Offline
FDPs						
1	D Siri	Hyperledger Certification Training	27-11-2023	1day	GRIET	Offline
2	Dr G Ramesh	Full Stack Development Training Program In Collaboration With Tcs	04-12-2023 to 08-12-2023	5days	GRIET	Offline
3	G Y Vybhavi	Effective Pedagogy through ICT	27-02-2024	1day	GRIET	Offline

Workshops						
1	Mrs. Lakshmi Prasanna Yeluri	Finding You	07-08-2023	1day	GRIET	Offline
2	Dr.G.S.Bapi Raju	FIGMA WORKSHOP (UI/UX)	21-03-2024	1day	GRIET	Offline
3	Dr. G.S. BAPIRAJU	"Microsoft Power BI"	28 JUNE 2024	1day	GRIET	Offline
SSTP						
1	Dr G Ramesh	Full Stack Development Training Program In Collaboration With Tcs	04-12-2023 to 08-12-2023	5days	GRIET	Offline

#### 4.7 Faculty Certification

S. No	Name of the Faculty	Name of the Course	Duration	Certification Agency
1	B.DIVYA	IoT Edge Computing and IoT Analytics	12-jun-2023	Infosys Springboard
2	C.Sravani	Introduction to Internet of Things	Jul-Oct 2023	NPTEL
3	VELPURI RAMYA MANASWI	Data Science for Engineers	Jul-Sep 2023	NPTEL
4	G.Y.Vybhavi	Introduction to Internet of Things	Jul-Oct 2023	NPTEL
5	A.Nagendra Babu	Google Cloud Computing Foundations	Aug-Oct 2023	NPTEL
6	J.Sravanthi	Google Cloud Computing Foundations	Aug-Oct 2023	NPTEL
7	G.Neelima	Google Cloud Computing Foundations	Aug-Oct 2023	NPTEL

8	K.V.S.L.Harika	Machine Learning Implementation	07-NOV-23	Infosys Springboard
9	K.V.S.L.Harika	Fundamentals of Information Security	22-NOV-23	Infosys Springboard
10	H KALYAN RAO	Perform Foundational Infrastructure	27-dec-23	Cloud computing
11	H KALYAN RAO	Cloud computing	JAN-Apr-2024	NPTEL
12	Srihitha Ms guna priya	Introduction to R Programming	8-jan-2024	Infosys Springboard
13	H KALYAN RAO	Build and Secure Networks	17-Jan-24	google cloud
14	P.Pavani	Virtualization and Cloud Computing	24-Jan-24	Infosys Springboard
15	J.Sravanthi	Virtualization and Cloud Computing	24-Jan-24	Infosys Springboard
16	H KALYAN RAO	Perform Foundational Data, ML, and AI	24-Jan-24	google cloud
17	Sravani c	Virtualization and Cloud Computing	24-Jan-24	Infosys Springboard
18	P.Pavani	Introduction to Natural Language Processing	25-Jan-24	Infosys Springboard
19	J.Sravanthi	Introduction to Natural Language Processing	25-Jan-24	Infosys Springboard
20	J.Prasanna	Introduction to Natural Language Processing	25-Jan-24	Infosys Springboard
21	J.Prasanna	Virtualization and Cloud Computing	25-Jan-24	Infosys Springboard
22	V.Jyothi	Describe cloud computing	25-Jan-24	Microsoft
23	V.Jyothi	Fundamental AI Concepts	25-Jan-24	Microsoft
24	V.Jyothi	Fundamentals of machine learning	25-Jan-24	Microsoft
25	V.Jyothi	Describe the benefits of using cloud services	25-Jan-24	Microsoft
26	Lakshmi Prasanna Y	Learn Python Programming (Python 3)	25-Jan-24	Infosys Springboard
27	K.V.S.L.Harika	architectural components microsoft	25-Jan-24	Microsoft

28	K.V.S.L.Harika	Azure Compute and networking services Microsoft	25-Jan-24	Microsoft
29	K.V.S.L.Harika	Productivity solutions of Microsoft Microsoft 365	25-Jan-24	Microsoft
30	S.Ritwika	Azure Compute and networking services Microsoft	25-Jan-24	Microsoft
31	S.Ritwika	Productivity solutions of Microsoft Microsoft 365	25-Jan-24	Microsoft
32	S.Ritwika	Describe the core architectural components of Azure	25-Jan-24	Microsoft
33	V.Lakshmi	Experiment3 - Line Following Robot[Skylark Kit]	27-Jan-24	Infosys Springboard
34	V.Lakshmi	Experiment4 - Self balancing Bot - [Skylark Kit]	27-Jan-24	Infosys Springboard
35	H. KALYAN RAO	Introduction to Cloud Computing	27-Jan-24	Infosys Springboard
36	H. KALYAN RAO	Introduction to Deep Learning	27-Jan-24	Infosys Springboard
37	V.Lakshmi	Describe cloud computing	27-Jan-24	Microsoft
38	V.Lakshmi	Describe the benefits of using cloud services	27-Jan-24	Microsoft
39	V SWAPNA	Design Thinking	27-Jan-24	Infosys Springboard
40	V SWAPNA	IoT Edge Computing and IoT Analytics	27-Jan-24	Infosys Springboard
41	K.V.S.L.Harika	Design Thinking	27-Jan-24	Infosys Springboard
42	K.V.S.L.Harika	IoT Edge Computing and IoT Analytics	27-Jan-24	Infosys Springboard
43	V SWAPNA	Explore core data concepts MICROSOFT	27-Jan-24	Microsoft
44	S.Ritwika	Design Thinking	27-Jan-24	Infosys Springboard
45	S.Ritwika	IoT Edge Computing and IoT Analytics	27-Jan-24	Infosys Springboard
46	S.Ritwika	Regression analysis using R	27-Jan-24	Infosys Springboard

47	B.Sindhuja	AI Tools	28-Jan-24	BE10X
48	Srihitha Ms guna priya	Python for Penetration Testers	30-Jan-24	Infosys Springboard
49	G.Neelima	Cloud Computing Fundamentals	30-Jan-24	Infosys Springboard
50	RaviKumar P	Applying Machine Learning	31-Jan-24	Infosys Springboard
51	RaviKumar P	Introduction to Machine Learning	31-Jan-24	Infosys Springboard
52	Dr.V.Srinivas	Explore Machine Learning using Python	01-Feb-24	Infosys Springboard
53	B.Sindhuja	Multithreading in Java	02-Feb-24	Infosys Springboard
54	Sravani c	Introduction to Natural Language Processing	02-Feb-24	Infosys Springboard
55	vaibhavi g y	Applying Machine Learning	02-Feb-24	Infosys Springboard
56	vaibhavi g y	Internet of Things Hardware Overview	02-Feb-24	Infosys Springboard
57	BH.Prashanthi	Big Data and Hadoop Training   Online Hadoop Course	02-Feb-24	Infosys Springboard
58	BH.Prashanthi	Python for Data Science	02-Feb-24	Infosys Springboard
59	Y Krishna Bhargavi	Machine Learning Fundamentals	02-Feb-24	Infosys Springboard
60	Y Krishna Bhargavi	Python for Data Science	02-Feb-24	Infosys Springboard
61	Y Krishna Bhargavi	Big Data and Hadoop Training   Online Hadoop Course	02-Feb-24	Infosys Springboard
62	A.Nagendra Babu	UML - Unified Modeling Language Training	02-Feb-24	Infosys Springboard
63	G.satish	Introduction to Cloud Computing	06-Feb-24	Infosys Springboard
64	BH.Prashanthi	Machine Learning Fundamentals	08-Feb-24	Infosys Springboard
65	K Chandra Mouli	Essentials of Cloud Computing	08-Feb-24	Infosys Springboard

66	G.satish	Ethical AI	08-Feb-24	Infosys Springboard
67	Aswini Devi T	Introduction to Machine Learning	13-Feb-24	Infosys Springboard
68	Aswini Devi T	Cloud computing fundamentals	13-Feb-24	Infosys Springboard

#### 4.8 Faculty as Resource Persons

S. No.	Name of the Faculty	Type of Program	Lecture Topic	Duration	Organization	Place of Program
1	Dr.G.S.Bapi Raju	Telangana Police Training	AWS	March 21-24, 2024	Telangana Police Academy	Moinabad, Hyd.
2	Dr.G.Charles Babu	Telangana Police Training	ML	March 21-24, 2024	Telangana Police Academy	Moinabad, Hyd.
3	Dr.Y.Krishna Bhargavi	Telangana Police Training	ML	March 21-24, 2024	Telangana Police Academy	Moinabad, Hyd.
4	Dr. V. Srilakshmi	Telangana Police Training	ML	March 21-24, 2024	Telangana Police Academy	Moinabad, Hyd.

### 5. Students Enrollment and Progression

#### 5.1 Number of seats filled under various quotas and quality of students

Number of seats filled-426

Convenor-268, management -108,spot-10,LEs-40

No.of students(UG):426

EAmcet starting rank:2709

EAmcet closing rank:150249

No of students(PG):9  
Convener-6, management-1,spot-2  
Gate starting Rank:NIL  
Gate closing Rank:Nil  
Pgect starting rank:231  
Pgect closing rank:1340

## 5.2 Academic Performance of Students

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) = 399

No. of students graduated from the program (n) = 379

UG Success Rate:  $379/399 * 100 = 95\%$

No. of students admitted in corresponding first year (PG) (m1) = 5

No. of students graduated from the program (n1) = 3

PG Success Rate:  $3/5 * 100 = 60\%$

## 5.3 Students Placements, Higher Studies, Entrepreneurships

No. of students who are placed = 830\*

No. of students went for higher studies = 132\*

Highest and mean packages received by the students = 34.4 LPA & 4.5 LPA

No. of students with entrepreneurship details = 02

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) =04

## 5.4 Students Activities

No. of Award Winning Students in Technical Events: 10

No. of Students Participated in Technical Events: 150

No. of Students Participated in Sports / Cultural Events: 870

No. of Students Participated in NSS Activities: 75

## 6. Curriculum Development

### 6.1 New Courses

UG:

No. of new courses introduced (Mention the Regulations-GR22) = 13

No. of courses with change in syllabus (if more than 20%) = 6

PG:

No. of new courses introduced (GR22) = 2

No. of courses with change in syllabus (if more than 20%) = 3

### 6.2 Details of Conduction of Remedial Classes for Academically Weak Students:

S. No	Name of the Course	Name of the Faculty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. of Students attended	No. of Students passed
( SEM-I)							
1.	Python Programming	Dr.K.Anuradha	4/1/24- 12/1/24	4	44	31	17
(SEM-II)							
1.	DAA	Dr.K. Madhavi	18/6/24 - 25/6/24	7	34	4	26
2.	CO	Dr.S. Govinda Rao	18/6/24 - 25/6/24	7	9	8	6
3.	DAA	Dr. Anuradha	18/6/24 - 25/6/24	7	13	5	11
4.	ES	B.Ravi kiran	18/6/24 - 25/6/24	7	28	8	28
5.	SE	Dr.N.krishna	18/6/24	7	11	9	10

		chythanya	- 25/6/24				
6.	ML	Dr.V.Srilakshmi	18/6/24 - 25/6/24	7	11	7	6
7.	FLAT	Dr.P.Chandrasekhar Reddy	18/6/24 - 25/6/24	7	11	8	6
8.	ML	Dr.Y.Krishna Bhargavi	18/6/24 - 25/6/24	7	21	16	17

### 6.3 No. of Value Added Courses Conducted:

S. No.	Name of the Value Added Course	Duration of the Course	No. of Hours	Faculty Coordinator	Collaborative Industry	No. of Students Registered	No. of Students Passed
1	Cisco(Python Essentials)	5 months	40	T.Ashwini Devi	Cisco Networking Academy	80	36
2	Aws Cloud Foundations	5 Months	40	V.Ramya Manaswi	Aws Academy	50	30
3	Aws Academy Data Engineering	5 Months	40	K.Srikanth	Aws Academy	80	35
4	Spoken Tutorials R	5 Months	40	Dr..Krishna Chaitanya	Spoken Tutorials	125	118
5	Cisco Cyber Security Essentials	5 Months	40	V.Lakshmi	Cisco Networking Academy	58	48

6	Introduction to Cyber Security	5 Months	40	Dr.V.Srilakshmi	Cisco Networking Academy	50	35
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6.4 No. of Student Activities Organized by the Department:

S. No.	Name of the Activity (Workshop / Guest Lecture / Seminar / Industrial Visit / Alumni Talk, etc.)	Name of the Activity	Date of the Activity Conducted	Name of the Resource person, Designation, Organization / Industry	Collaboration if any	Organized by Dept / Professional Body / etc.	No. of Students attended	Name of the Faculty Coordinator	Online / Offline
1	Alumni talk	Building next generation Applications using LLMs	19-06-2023	Rohan Ankarigar Boda		CSE	180	T.V.Suneetha	Offline
2	Guest Lecture	Career Opportunity	12-07-2023	Mr. Aravid, VicePrede		CSE	I-year Stude	D Siri	Offline

	e	nities in Blockchain Technology		nt& Mr.Sunil,B usiness Lead from Informatio nData  System(ID S)			nts (52 from CSE)		
3	Project Expo	Visual Program ming Using C# and .Net Lab	19-07- 2023	Best Practice Griet Lab On Board		CSE	All II B. Tech.C SE  120 Stude nts	B Sindhuj a TV Suneeth a GNeeli maB Geetha Kumari	Offli ne
4	Project Expo	Python Programm ing Lab	20-07- 2023	Best Practice		CSE	All II B.Tech. CSE80 Student s	KAnusha B Indu Priya G Satish Y V Sahiti	Offli ne
5	Project Expo	Operating System Lab	22-07- 2023	Best Practice		CSE	All IIB.Tech .CSE 60 Student s	BhPrasha nathi D Usha Sree D Swathi  H Kalyan Rao G Tavanya	Offli ne
6	Webinar	Finding	07-08-	Swarnalatha		IEEE	35	Mrs.	Offli

		You	2023	Yeluri TEDx Trainer & Communication Coach				Lakshmi Prasanna Yeluri	Online
7	Orientation Program	Orientation Program	12-09-2023	Dr.B.Sankara Babu, HOD CSE Dr.G.S.Bapi Raju Prof. G.Mallikarjuna Rao		CSE	All I B. Tech. CSE	Bh Prashanthi	Offline
8	IIT Bombay - Spoken Tutorials Online Certification	Certification Exam	25-11-2023			CSE	178	N Krishna Chaitanya	Offline
9	Training	Full Stack Development Training Program In Collaboration With Tcs	04-12-2023 to 08-12-2023	Mr. Seshagiri Telkapalli-Enterprise Architect, TCS		CSE	90 CSE IIIyr	Dr G Ramesh	Offline
10	Online Social Governance Program	SoP for Universities and Students - Viksit Bharat@2	11-12-2023	Sri Narendra Modi-Prime Minister of India		CSE	54 CSE II yr	Dr D Siri	Offline

		047							
1	Guest 1 Lecture	Effective Pedagogy through ICT	27-02- 2024	Dr. K. Madhavi( Prof.&Dean ICT)		CSE	80	G Y Vybhavi	Offli ne
1 2	Hackath on	EPITOME' 24	01-03- 2024 to 02-03- 2024			CSE	212	Dr.G.S.Ba pi Raju	Offli ne
1 3	Webinar	Internatio nal Project Opportuni ties for Students	15-03- 2024	Dr.Vikas Vittal Shinde, Director- PBL ,Vishwanike ntan, Pune.		SDC	112	Dr.N.Kris hna Chythany a	Offli ne
1 4	Worksh op	FIGMA WORKSH OP (UI/UX)	21-03- 2024	Arekanti Dilip kumar (Founder of Areksoft Technologie s Private Limited)		CSE	114	Dr.G.S.Ba pi Raju	Offli ne
1 5	Talk	Augmente d Reality: The Tech Behind the Smart Glasses	26-06- 2024	Mr.B.Radha Krishna Founder&CE O@ Augmented BYTE		Gaming Club	64	Dr. Charles Babu	Offli ne
1	Worksh	" Microsoft	28 JUNE	Dr. G.S.		SDC	52	Dr. G.S. BAPIRAJ	Offli

6	op	Power BI" 2024	BAPIRAJU, Professor, Department of CSE				U	ne
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Overview on Faculty Contribution and Development:

- Participated and organized FDPS, Work Shops on Emerging Technologies.
- Published Research papers in SCI/ESCI/ Scopus indexed journals

Overview on Students Progression:

- Completed various Certification Courses conducted by NPTEL, Spoken tutorials-IIT Bombay, Course era etc.
- Won prizes in Hackathons, Technical events
- Placed in MNCs with good packages

Overview on Academic Activities:

- Using Teaching learning activities like flipped class room, peer learning, think pair share, project based learning, case based learning, pickers etc.
- GLOB
- Organized Technical Events, Workshops, Hackathons
- Conducted FDPs

Suggestions for the areas of improvement:

- Need Training on Emerging Technologies

Name of the Audit Member: *Dr. V. Radhakrishna*

Designation: *Associate professor.*

Name of the Institute: *VNRVJIEET*

*Dr. V. Radhakrishna*  
26/12/24.  
Signature with date



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date:

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

1. Name of the Department to be Audited: Mechanical Engineering

2. Programs Offered:

	UG	PG
Name of the Program	Mechanical Engineering	DFM
Year of establishment	1997	2004

3. No. of Faculty & Students:

Designation	UG		PG	
Professors	3		2	
Associate Professors	7		0	
Assistant Professors	7		1	
Total no. of Students	187		3	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	173	24	173	24

## Faculty Information and Contributions

### 4.1 Name of the Program(s): Mechanical Engineering

#### Total Faculty

Required Faculty 13

Available Faculty 18

No. of PhDs 9

#### Professors

Required Faculty

Available Faculty 5

No. of PhDs 5

#### Associate Professors

Required Faculty

Available Faculty 7

No. of PhDs 4

#### Assistant Professors

Required Faculty

Available Faculty 6

No. of PhDs 2

Faculty Qualification =  $9/18 = 50$

Student Faculty Ratio (SFR):  $= 248/18 = 13.77$

### 4.2 Faculty Publications

S. No.	Name of the Faculty	No. of Papers Published				Papers Published in Conferences	Papers Published in Journals	Total Papers Published	H-Index	No. of Citations
		Indexed in SCI	Indexed in Scopus	Indexed in Web of Science	Indexed in Others					
1	Dr. S.K.Singh		20			12	8	20	32	
2	Dr. N. Satees		8			3	5	8	13	50

	h									
3	Dr. R.Karthikeyan		9			3	6	9	11	9
4	Dr. Raman Goud		1			1		1	4	2
5	Dr. Ram Subbiah		44			29	15		35	1300
6	Dr. BCh. Nookaraju		5			2	3	5	8	49
7	Dr. A. Anitha Laxmi		7			1	6	7	9	4
8	Dr. Tanya		10			5	5	10	11	11
9	Dr. K Satyanarayana		10			4	6	10	18	6
10	Dr. K Sunil Kumar Reddy		5			3	2	5	5	5
11	Dr. Bhandhavi		5			2	3	5	4	
12	Dr. B Krishna									

	Mohan									
13	Dr. Anshuman		10			5	5	10	11	5
14	D S Nagaraju		3				3	3	3	3
15	J V Suresh		1			1		1	3	

#### 4.3 Faculty Intellectual Property Rights (IPR)

S. No.	Name of the Faculty	Title of the Patent	Country / Institute	File Number	Status of Patent	Date of Application / Publication / Grant
1	Dr B Tanya	Thrust vector controlled rocket for space applications	INDIA/ GRIET	202441 036148 A	Published	17/05/2024
2	Dr.K Satyanarayana	An apparatus for the friction stir process	India/ GRIET	202341 040400 A	Published	14/06/2023/30/06/2023
3	Dr.K Satyanarayana	Development of 3D printed cycle	India/ GRIET	202441 044771 A	Published	21/06/2024
4	Dr A.Anitha Lakshmi	AI-Enhanced Fully	India/ GRIET	202441 036145 A	Published	07/05/2024

		Automated Solar-powered Aeroponics System for optimal Plant Growth				
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#### 4.4 Faculty Research and Development

S. No.	Name of the Faculty (PI / Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
1	PI- Dr Satyanarayana and CO- PI - Dr V srihari	Tensile fomability studies of high strength materials for aerospace applications	M/s: HITTITES TECHNOLOGY INDIA LIMITED	2	10,00,000	10,00,000

#### 4.5 Faculty Consultancy Projects

S. No.	Name of the Faculty	Title of the Project	Industry / Organization	Consultancy Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
1	PI- Dr Satyanarayana and Co-PI- Dr Bhandhavi	Technical expertise solutions for customised specimen preparation of fatigue fracture samples for DRDO	Eclat EDM Solutions, Hyderabad	1	5,00,000	5,00,000

4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

S. No.	Name of the Faculty	Name of the FDP / Workshop /STTP	Date of the Program	Duration	Organized Institute	Online / Offline
1.	Dr Ch Bandhavi	NPTEL - AICTE FDP Data Science for Engineers	Jan - March 2024	12 Weeks	NPTEL	BOTH
2.	V.Balaji	NPTEL - AICTE FDP Python for Data Science	Jan - Feb 2024	8 Weeks	NPTEL	BOTH
3.	R Karthikeyan	NPTEL - AICTE FDP Data Analytics with Python	Jan - April 2024	12 Weeks	NPTEL	BOTH
4.	Dr Ram Subbiah	NPTEL - AICTE FDP Data Analytics with Python	Jan - April 2024	12 Weeks	NPTEL	BOTH
5.	Dr Ram Subbiah	FDP Latest trends in Additive Manufacturing	03 -06 2024 to 07-06-2024	5 Days	Dr M.G.R Educational and Research Institute	BOTH
6.	Dr Ram Subbiah	FDP Emerging Trends in Mechanical	10-06-2024 to 15-06-	6 Days	J.P College of Engineering	BOTH

		Engineering	2024			
7.	Dr Ram Subbiah	FDP Cutting Edge Technologies in Mechanical Engineering	19-02-2024 to 23-02-2024	5 Days	Sri Krishna College of Technology	BOTH
8.	Dr N Sateesh	NPTEL - AICTE FDP Data Analytics with Python	Jan - April 2024	12 Weeks	NPTEL	BOTH
9.	Dr N Sateesh	NPTEL - AICTE FDP Data Science for Engineers	Jan - March 2024	12 Weeks	NPTEL	BOTH
10.	Dr Raman Goud	NPTEL - AICTE FDP Affective Computing	Jan - April 2024	12 Weeks	NPTEL	BOTH
11.	Dr Raman Goud	NPTEL - AICTE FDP Data Analytics with Python	Jan - April 2024	12 Weeks	NPTEL	BOTH
12.	Dr B. Ch Nookaraju	NPTEL - AICTE FDP Data Science for Engineers	Jan - March 2024	12 Weeks	NPTEL	BOTH
13.	R Karthikeyan	NPTEL - AICTE FDP Cloud	Jul-October 2024	12 Weeks	NPTEL	BOTH

		Computing				
14.	Dr B.Tanya	Computational Fluid Dynamics Basics and Industrial Applications (CFDBAIA)	04/11/2024 to 09/11/2024.	6 Days	B V RAJU INSTITUTE OF TECHNOLOGY	Offline
15.	Dr K Satyanarayana	Computational Fluid Dynamics Basics and Industrial Applications (CFDBAIA)	04/11/2024 to 09/11/2024.	6 Days	B V RAJU INSTITUTE OF TECHNOLOGY	Offline
16.	Dr B.Krishnamohan	Computational Fluid Dynamics Basics and Industrial Applications (CFDBAIA)	04/11/2024 to 09/11/2024.	6 Days	B V RAJU INSTITUTE OF TECHNOLOGY	Offline
17.	Dr Ch. Bandhavi	Computational Fluid Dynamics Basics and Industrial Applications (CFDBAIA)	04/11/2024 to 09/11/2024.	6 Days	B V RAJU INSTITUTE OF TECHNOLOGY	Offline
18.	Dr A.Anithalakshmi	Computational Fluid Dynamics Basics and Industrial Applications	04/11/2024 to 09/11/2024.	6 Days	B V RAJU INSTITUTE OF TECHNOLOGY	Offline

		(CFDBAIA)				
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#### 4.7 Faculty Certification

S. No.	Name of the Faculty	Name of the Course	Duration	Certification Agency
1	V Balaji	Python for Data Science	4 weeks	NPTEL- SWAYAM
2	Dr R Raman Goud	Cloud Computing Data Analytics with Python Affective Computing	8 weeks and 12 weeks	NPTEL- SWAYAM
3	Dr N Sateesh	Data Science for Engineers Data Analytics with Python	8 weeks 12 weeks	NPTEL- SWAYAM
4	Dr. Ram Subbiah	Data Analytics with Python	12 weeks	NPTEL- SWAYAM
5	Dr A.Anitha lakshmi	Data Science for Engineers Data Analytics with Python Introduction to Machine Learning Deep Learning	8 weeks 12 weeks 12 weeks 12 weeks	NPTEL- SWAYAM
6	Ratnababu Kuraku	Data Science for Engineers	8 weeks	NPTEL- SWAYAM
7	Dr. Ch Bandhavi	Data Science for Engineers	8 weeks	NPTEL- SWAYAM
8	Dr. B Ch Nookaraju	Data Science for Engineers	8 weeks	NPTEL- SWAYAM
9	S. Sravan Sashank	Data Science for Engineers	8 weeks	NPTEL- SWAYAM
10	Dr.Anshuman Kumar	Python for Data Science	4 weeks	NPTEL- SWAYAM
11	R.Karthikeyan	Data Analytics with Python	12 weeks	NPTEL- SWAYAM

#### 4.8 Faculty as Resource Persons

S. No.	Name of the Faculty	Type of Program	Lecture Topic	Duration	Organization	Place of Program
1	Dr Ram Subbiah	Guest Lecture	Research Methodology	Sept, 2023	Srinivasa Institute of Engineering & Technology,	Amalapuram, E.G.Dt, Andhra Pradesh
2	Dr Ram Subbiah	Guest Lecture	Surface Coating Methods and its recent Applications	April, 2024	Srinivasa Institute of Engineering & Technology,	Amalapuram, E.G.Dt, Andhra Pradesh
3	Dr S K Singh	Courtesy Visit to Curtin University Malaysia	visit and signing ceremony to commemorate the Memorandum of Understanding (MoU)	October 2024	Curtin University	Malaysia

#### 4. Students Enrollment and Progression

##### 5.1 Number of seats filled under various quotas and quality of students

No. of Students (UG): 48

EAMCET Starting Rank: 41123

EAMCET Closing Rank: 155548

No. of Students (PG): 2

Gate Starting Rank: 408

Gate Closing Rank: 561

PGCET stating Rank: 408

**PGCET closing Rank: 561**

### **5.2 Academic Performance of Students.**

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) = 58+7

No. of students graduated from the program (n) = 53

UG Success Rate:  $m/n * 100 = 81.5\%$

No. of students admitted in corresponding first year (PG) (m1) = 2

No. of students graduated from the program (n1) = 2

PG Success Rate:  $m1/n1 * 100 = 100\%$

### **5.3 Students Placements, Higher Studies, Entrepreneurships**

No. of students who are placed = 30

No. of students went for higher studies = 08

Highest and mean packages received by the students = 7.0 LPA and 3.98 LPA

No. of students with entrepreneurship details = NIL

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) = 10

### **5.4 Students Activities**

No. of Award-Winning Students in Technical Events: 9

No. of Students Participated in Technical Events: 60

No. of Students Participated in Sports / Cultural Events: 14

No. of Students Participated in NSS Activities: 21

## **5. Curriculum Development**

### **6.1 New Courses**

**UG:**

No. of new courses introduced (Mention the Regulation) = 5 (GR22)

No. of courses with change in syllabus (if more than 20%) = 1

**PG:**

No. of new courses introduced (Mention the Regulation) = 2 (GR22)

No. of courses with change in syllabus (if more than 20%) = 5

### **6.2 Details of Conduction of Remedial Classes for Academically Weak Students:**

RIET IQAC

External Academic and Administrative Audit

S. No	Name of the Course	Name of the Faculty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. of Students attended	No. of Students passed
1	Fluid mechanics and Fluid Machines	Dr BCH Nookaraju	2/1/2024 - 5/1/2024	4	11	11	1
2	Probability and Statistics	Dr VN Ramadevi	8/1/2024 - 11/1/2024	4	21	21	3

**6.3 No. of Value-Added Courses Conducted:**

S. No.	Name of the Value Added Course	Duration of the Course	No. of Hours	Faculty Coordinator	Collaborative Industry	No. of Students Registered	No. of Students Passed
1	Blue Prism	10 Weeks	30	Dr Anitha Lakshmi	Blue Prism	71	71
2	Cloud Virtual Internship Supported by AWS academy	10 Weeks	30	Dr Satya Ranjan	AWS Academy	62	62
3	"Modern Tools and Techniques for Research	10 Weeks	30	Dr K Satyanarayana	GRIET, R&D	62	62

	Publishing and Value Ethics"						
4	"Latest Trends in ANSYS-CATIA-3D Modelling tools"	10 Weeks	30	Dr Anitha Lakshmi	R&D, GRIET	65	65
5	"ICT Design Week for Engineers'	10 Weeks	30	Dr Anshuman Kumar	R&D, GRIET	71	71
6	Latest Revisions and Advancements in AutoCAD for Design"	10 Weeks	30	Dr Anshuman Kumar	R&D, GRIET	48	48

6.4 No. of Student Activities Organized by the Department:

S. No.	Name of the Activity (Workshop / Guest Lecture / Seminar / Industrial Visit / Alumni Talk, etc.)	Name of the Activity	Date of the Activity Conducted	Name of the Resource person, Designation, Organization / Industry	Collaboration if any	Organized by Dept / Professional Body / etc.	No. of Students attended	Name of the Faculty Coordinator	Online / Offline
1	Industrial Visit	International advanced research	25 Apr 24	NA	NA	Mechanical Department	33	Dr Anshuman Kumar	Offline

		centre for powder metallurgy and new materials							
2	Workshop	IDCW 3rd day	24 Apr 24	Kalyani, ICT Academy	NA	Mechanical Department	62	Dr CH Bandhavi	Offline
3	Industrial Visit	Micro Engineering Enterprises, Patancheru	26 Mar 24	NA	NA	Mechanical Department	63	Dr Anshuman Kumar	Offline
4	Industrial Visit	Mahindra Plant, Zahirabad	23 Mar 24	Dr R Srinivas, NRSC, ISRO	NA	Mechanical Department	63	Dr Anshuman Kumar	Offline
5	Guest lecture	Autonomous Electric Vehicle	21 Mar 24	Jyothi, Skyy skills academy	NA	Mechanical Department	40	Dr N Sateesh	Offline
6	Technical talk	Innovatives on Aerodynamics	15 Mar 24	Deepankar, DM, VAE	NA	Mechanical Department	60	B Shankarachary	Offline
7	Seminar	Effective Pedagogy through ICT	13 Mar 24	Dr K Madhavi	NA	Mechanical Department	30	Dr K Madhavi	Offline
8	NSS	Health checkup camp for GRIET students and faculty	11-13 Mar 2024	NA	NA	Mechanical Department	College level	Dr Ram Subbiah	Offline
9	IDWC (Day 2)	Ffusion 360	6 Mar 24	Kalyani, ICT Academy	NA	Mechanical Department	117	Dr CH Bandhavi	Offline

10	Quiz	Quiz	17 Feb 24	Ramu Canter CADD	NA	Mechanical Department	55	D S Nagaraju	Offline
11	Guest Lecture	Lecture on Expert Biomaterials	16 Feb 24	Kuldeep Kumar saxena, LPU	NA	Mechanical Department	65	Dr A Anitha lakshmi	Offline
12	Industrial Visit	National Remote Sensing Centre	12 Jan 24	Dr R Srinivas, NRSC, ISRO	NA	Mechanical Department	35	Dr Anshuman Kumar	Offline
13	Industrial Visit	National Remote Sensing Centre	11 Jan 24	Dr R Srinivas, NRSC, ISRO	NA	Mechanical Department	65	Dr Anshuman Kumar	Offline
14	Cultural event	NAVOTSA V- 23	17 Oct 23	NA	NA	Mechanical Department	College level	M Srikanth	Offline
15	Cultural event	BATHUKA MMA-2023	14 Oct 23	NA	NA	Mechanical Department	College level	M Srikanth	Offline
16	Rhythms	THE CANTEEN EVENT-BEATS - 23	27 Sep 23	NA	NA	Mechanical Department	College level	M Srikanth	Offline

**Overview on Faculty Contribution and Development:** Faculty published more research publications in SCI/ Scopus. Faculty got certified in AI/ML/ data science allied courses through swayam-NPTEL. Four Faculty got 11 NPTEL credits.

**Overview on Students Progression:** Good number of students have been placed with a highest package of 7 lac per annum.

**Overview on Academic Activities:** 2 batches of Students got awarded in Hackathon competition and 2 students went to national in shooting.

**Suggestions for the areas of improvement:** Students should be trained in Advanced Multidisciplinary courses like Artificial Intelligence, Machine Learning etc.,

Name of the Audit Member: Dr-B.V.Krishnaveni  
Designation: Assoc. prof. chd.  
Name of the Institute: CMRIT, Hyderabad,

Signature with date

  
28/12/24



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date:

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

1. Name of the Department to be Audited: Data Science

2. Programs Offered:

	UG	PG
Name of the Program	CSE(DS)	NIL
Year of establishment	2020	NIL

3. No. of Faculty & Students:

Designation	UG		PG	
Professors	02		-	
Associate Professors	01		-	
Assistant Professors	17		-	
Total no. of Students	423		-	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	269	154	-	-

4. Faculty Information and Contributions

4.1 Name of the Program(s): CSE(DS)

Total Faculty	
Required Faculty	18
Available Faculty	20
No. of PhDs	4

Professors	
Required Faculty	01
Available Faculty	02
No. of PhDs	02

Associate Professors	
Required Faculty	01
Available Faculty	01
No. of PhDs	01

Assistant Professors	
Required Faculty	15
Available Faculty	17
No. of PhDs	0

$$\text{Faculty Qualification} = \frac{\text{Total Number of Faculty with PhD in the Department}}{\text{Total Number of Faculty Available}} \times 100 = 20$$

$$\text{Student Faculty Ratio (SFR): } \frac{\text{Total Number of Students (UG \& PG) in the Department}}{\text{Total Number of Faculty Available in the Department}} = 32.4$$

#### 4.2 Faculty Publications

S. No.	Name of the Faculty	No. of Papers Published				Papers Published in Conferences	Papers Published in Journals	Total Papers Published	H-Index	No. of Citations
		Indexed in SCI	Indexed in Scopus	Indexed in Web of Science	Indexed in Others					
1	Dr S Govinda Rao	02	10	02		5	5	10	5	77
2	Dr M V Ram Sundari	01	07	01	-	04	03	07	4	59
3	Dr. R. P. Ram Kumar	03	10	02		04	06	10	4	51
4.	Ms. P Sruthi	-	03	-		03		03	1	4

#### 4.3 Faculty Intellectual Property Rights (IPR)

S. No.	Name of the Faculty	Title of the Patent	Country / Institute	File Number	Status of Patent	Date of Application / Publication / Grant
1	Dr R P Ram Kumar	A novel approach to supervised learning in multiclass environments: multi-feature based weather classification	GRIET	202441080852A	published	1-11-2024
2	Dr S Govinda Rao	PHYTHON DATA	GRIET	202441036143	published	17-05-2024

		ANALYSIS FOR SCHOOL TEACHING		A		
3	Dr S Govinda Rao	RIDE SAFEGUARD : A HOLISTIC APPROACH TO RIDERSAFETY AND DEMAND PREDICTION	GRIET	202441041243	published	31-05-2024
4.	Dr M V Rama Sundari	Efficient resource allocation for IoT networks	GRIET	202441011548 A	published	8-03-2024
5	Dr M V Rama Sundari	A Novel Approach emotional health monitoring for the purpose of detecting people at dangerous physiological disturbances		202441071957 A	Published	04-10-2024
6	Dr M V Rama Sundari	Armaments detection system using automated learning algorithms	GRIET	Publish ed	202441031091A	26-04-2024

#### 4.4 Faculty Research and Development

S. No	Name of the Faculty (PI/ Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)

#### 4.5 Faculty Consultancy Projects

S. No	Name of the Faculty	Title of the Project	Industry / Organization	Consultancy Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)
1	Dr S Govinda Rao	Predictive Modeling for Early Detection of Neurodegenerative Diseases using Multi-Modal Brain Imaging and Hybrid Machine Learning	HITTITES TECHNOLOGY INDIA LIMITED	One year	10 lakhs	10lakhs
2	Dr R P Ram Kumar	Predictive Modeling for Early Detection of Neurodegenerative Diseases using Multi-Modal Brain Imaging and Hybrid Machine Learning	HITTITES TECHNOLOGY INDIA LIMITED	One year	10 lakhs	10 lakhs

#### 4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

S. No	Name of the Faculty	Name of the FDP / Workshop / STTP	Date of the Program	Duration	Organized Institute	Online / Offline
1	Dr S Govinda Rao	FDP	01/04/2024 TO 05/04/2024	One week	GRIET	Offline
2	Dr S Govinda Rao	FDP	July to September 2023	One Week	NPTEL	Online
	Dr Rama Sundari	Faculty Induction Program	10-06-2024 to 15-06-2024	5 days	GRIET	Offline
	Dr Aruna Kumari	Faculty Induction Program	10-06-2024 to 15-06-2024	5 days	GRIET	Offline

	Mr. I Venkanna	Faculty Induction Program	10-06-2024 to 15-06-2024	5 days	GRIET	Offline
	Ms. V Manasa	Faculty Induction Program	10-06-2024 to 15-06-2024	5 days	GRIET	Offline
	Ms. K Hareesa	Faculty Induction Program	10-06-2024 to 15-06-2024	5 days	GRIET	Offline
	Ms. Rashi Saxena	Faculty Induction Program	10-06-2024 to 15-06-2024	5 days	GRIET	Offline
	Mr. VSRK Raju	Faculty Induction Program	10-06-2024 to 15-06-2024	5 days	GRIET	Offline

#### 4.7 Faculty Certification

S. No.	Name of the Faculty	Name of the Course	Duration	Certification Agency
1	Dr S Govinda Rao	Introduction to Machine Learning	8 Weeks	NPTEL
2	Dr S Govinda Ro	Data Sceince for Engineers	8 Weeks	NPTEL

#### 4.8 Faculty as Resource Persons

S. No.	Name of the Faculty	Type of Program	Lecture Topic	Duration	Organization	Place of Program
1	Dr S Govinda Rao	Guest Lecture	Network Security	One Day	RIET	Rajahmundry
	Dr R P Ram Kumar	Resource Person	AI in Industry 5.0	One week	VPM's Maharshi Parshuram College of Engineering	Vidya Prasarak Mandal, Thane
	Dr M V Rama Sundari	Guest Lecture	Entrepreneurship – innovation and incubation	One Day	GRIET	Hyderabad

## **5. Students Enrollment and Progression**

### **5.1 Number of seats filled under various quotas and quality of students**

No. of Students (UG): 44

EAMCET Starting Rank: 5229

EAMCET Closing Rank: 11588

No. of Students (PG):

Gate Starting Rank: NA

Gate Closing Rank: NA

PGCET starting Rank: NA

PGCET closing Rank: NA

### **5.2 Academic Performance of Students**

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) = 20

No. of students graduated from the program (n) = 4

UG Success Rate:  $m/n * 100 = 5$

No. of students admitted in corresponding first year (PG) (m1) = NA

No. of students graduated from the program (n1) = NA

PG Success Rate:  $m1/n1 * 100 = NA$

### **5.3 Students Placements, Higher Studies, Entrepreneurships**

No. of students who are placed = 55

No. of students went for higher studies = 16

Highest and mean packages received by the students = 2

No. of students with entrepreneurship details = 00

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) = 04

### **5.4 Students Activities**

No. of Award Winning Students in Technical Events: 02

No. of Students Participated in Technical Events: 25

No. of Students Participated in Sports / Cultural Events: 12

No. of Students Participated in NSS Activities: 9

## **6. Curriculum Development**

### **6.1 New Courses**

UG:

No. of new courses introduced (Mention the Regulation) = 006

No. of courses with change in syllabus (if more than 20%) = 11

PG:

No. of new courses introduced (Mention the Regulation) = NA

No. of courses with change in syllabus (if more than 20%) = NA

#### 6.2 Details of Conduction of Remedial Classes for Academically Weak Students:

S. No	Name of the Course	Name of the Faculty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. of Students attended	No. of Students passed
1	SE	Dr R P Ram kumar	28-04-2024 to 30-04-2024	4	6	11	11
2.	BDA	Mr. I Venkanna	26-04-2024 to 28-04-2024	4	3	8	8
3.	ACD	P Samyuktha	28-04-2024 to 30-04-2024	4	5	15	15
4	ASE	Dr V Sai Saradha	29-06-2024 to 30-06-2024	4	3	21	21
5	FSWD	V Manasa	29-06-2024 to 30-06-2024	4	4	14	14
6	DSRP	Manu hajari	29-06-2024 to 30-06-2024	4	3	14	13

6.3 No. of Value Added Courses Conducted:

S. No	Name of the Value Added Course	Duration of the Course	No. of Hours	Faculty Coordinator	Collaborative Industry	No. of Students Registered	No. of Students Passed
1	BASH SCRIPTING	1	30	T Annapurna	IIT Bombay Spoken tutorials	71	71
2	BOOT STRAP	1	30	T Annapurna	IIT Bombay Spoken tutorials	140	140
3	K-TURTLE	1	30		IIT Bombay Spoken tutorials	71	71

6.4 No. of Student Activities Organized by the Department:

S. No	Name of the Activity (Workshop / Guest Lecture / Seminar / Industrial Visit /Alumni Talk, etc.)	Name of the Activity	Date of the Activity Conducted	Name of the Resource person, Designation, Organization / Industry	Collaboration if any	Organized by Dept / Professional Body / etc.	No. of Students attended	Name of the Faculty Coordinator	Online / Offline
1.	Guest Lecture	Scientific Forestep	22-06-2024	1. Srujan P 2. Deepak Reddy 3. Srinivasa Rao N		GRIET	81	Dr M Kiran Kumar	Offline
2	Industrial Visit	T-HUB	20-06-2024	Abhishek Agrwal		GRIET	88	Ms. V Manasa	Offline
	Workshop	Mastering LLM	28-06-2024	1. Mr. Y V N		GRIET	94	Dr. P. Sanjee	Offline

		Workshop – Introduction and awareness to machine learning models and large language models		Phani Kishore 2. MR. P Mohan				va	
4.	workshop	Workshop “Unveiling the power of Generative AI” Hackthon “Gen-AI Challenges”	20-06-2024	1. Venkata Ramana 2. Aishwar Verma 3. P Raja		GRIET	50	Dr R P Ram Kumar	Offline
5.	FDP	GEN-AI & IT’S Applications	15-05-2024	Lakshmi V		GRIET	52	Dr R P Ram Kumar	Offline
6.	Co-Curricular Activities	27 <sup>th</sup> Annual Day	16 <sup>th</sup> March	Dr K Venkateswara Rao		GRIET	350	Dr M Kiran Kumar	Offline
7	Workshop	Industry Academia in collaboration with Infosys springboard	28-02-2024	Ms. Girija T R		GRIET - IEEE GRIET SC SBC	50	Dr P Srividya	Offline

#### Overview on Faculty Contribution and Development:

- Teaching:** faculty Delivering quality teaching instruction to students.
- Research:** faculty published research articles in various international journals and conference
- Mentorship:** faculty Guiding and advising students in 1:25 ratio
- Professional Growth:** Opportunities for faculty to enhance their teaching, research, and service skills.

5. **Certifications and Workshops:** faculty upgrade their skills periodically, by getting Certification course through NPTEL, AWS, Infosys spring board, etc. attended trainings and FDPs, on topics such as pedagogy, research methods, and Emerging technologies.

**Overview on Students Progression:**

1. 46 Students placed in different companies with an highest package of 10 LPA
2. Pass percentage of the students are also good
3. Students are completed values added courses through NPTEL, IIT Bombay Spoken tutorials.
4. Students are actively participated in various tech fests.

**Overview on Academic Activities:**

1. Students showcase their academic projects in road shows
2. Good practice to publish research articles in various international conference and journals
3. Hosting guest lectures by experts and professionals in various fields.
4. Providing workshops and training sessions for students, faculty
5. Providing career counselling and guidance to students.

**Suggestions for the areas of improvement:**

1. Faculty Need to get Research
2. Faculty need to improve quality publication
3. Very few faculty did certification courses, improve faculty certifications

Name of the Audit Member: Dr. G. Madhukar  
Designation: Assoc. Prof  
Name of the Institute: CMR Technical Campus  
Kandlakoya, Medchal  
Signature with date: G. Madhukar  
28/12/24



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date:

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

1. Name of the Department to be Audited: Data Science

2. Programs Offered:

	UG	PG
Name of the Program	CSBS	NIL
Year of establishment	2020	NIL

3. No. of Faculty & Students:

Designation	UG		PG	
Professors	00		-	
Associate Professors	02		-	
Assistant Professors	07		-	
Total no. of Students	209		-	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	113	96	-	-

4. Faculty Information and Contributions

4.1 Name of the Program(s): CSE(CSBS)

Total Faculty	
Required Faculty	9
Available Faculty	10
No. of PhDs	2

Professors	
Required Faculty	00
Available Faculty	00
No. of PhDs	00

Associate Professors	
Required Faculty	01
Available Faculty	02
No. of PhDs	02

Assistant Professors	
Required Faculty	08
Available Faculty	08
No. of PhDs	0

$$\text{Faculty Qualification} = \frac{\text{Total Number of Faculty with PhD in the Department}}{\text{Total Number of Faculty Available}} \times 100 = 20$$

$$\text{Student Faculty Ratio (SFR): } \frac{\text{Total Number of Students (UG \& PG) in the Department}}{\text{Total Number of Faculty Available in the Department}} = 32.4$$

#### 4.2 Faculty Publications

S. No.	Name of the Faculty	No. of Papers Published				Papers Published in Conferences	Papers Published in Journals	Total Papers Published	H-Index	No. of Citations
		Indexed in SCI	Indexed in Scopus	Indexed in Web of Science	Indexed in Others					
1	Dr M. Kiran Kumar	0	5	0	0	5	0	5	3	19
2	Mr. G Karuna	0	2	0	0	2	0	2	0	0
3	Mr. V Y Bhara dwaj	0	3	0	0	3	0	3	1	3
4	Ms. Sreeva ni	0	4	0	0	4	0	4	1	3
5	Mr. K. Mallik arjuna raju	0	3	0	0	3	0	3	1	6

#### 4.3 Faculty Intellectual Property Rights (IPR)

S. No.	Name of the Faculty	Title of the Patent	Country / Institute	File Number	Status of Patent	Date of Application / Publication / Grant

#### 4.4 Faculty Research and Development

S. No	Name of the Faculty (PI / Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)

#### 4.5 Faculty Consultancy Projects

S. No	Name of the Faculty	Title of the Project	Industry / Organization	Consultancy Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)

#### 4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

S. No.	Name of the Faculty	Name of the FDP / Workshop / STTP	Date of the Program	Duration	Organized Institute	Online / Offline
1.	Dr S Vijayakumar	FDP	10-06-24 to 15-06-24	5 days	GRIET	Offline
2.	Dr S Vijayakumar	FDP	15/5/24 to 20/5/24	6 days	GRIET	Offline
2.	Ms. V Sreevani	FDP	10-06-2024 to 15-06-2024	5 days	GRIET	Offline
3.	Mr. Mallikarjuna Raju	FDP	10-06-2024 to 15-06-2024	5 days	GRIET	Offline
4.	Dr. M. Kiran Kumar	FDP	15/5/24 to 20/5/24		GRIET, Hyderabad	Online
5.	Dr. M. Kiran Kumar	FDP	09/12/2024 to 13/12/2024		GRIET	Offline
6.	Dr. M. Kiran Kumar	FDP	24/7/2024 to 29/7/2024	MLRIT	National	Online
7.	Mr. V. Y. Bharadwaj	FDP	15/5/24 to 20/5/24	GRIET, Hyderabad	National	Online
8.	Mr. V. Y. Bharadwaj	WORKSHOP	18/12/2023 to 22/12/23	JNTUH	National	Online
9.	Ms. V. Sreevani	FDP	15/5/24 to 20/5/24	GRIET, Hyderabad	National	Online

10.	Mr. K. Mallikarjuna Raja	FDP	15/5/24 to 20/5/24	GRIET, Hyderabad	National	Online
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#### 4.7 Faculty Certification

S. No	Name of the Faculty	Name of the Course	Duration	Certification Agency
1.	Dr M Kiran Kumar	Introduction to Amazon Kinesis Analytics	6 weeks	Amazon Aws
2.	Dr M Kiran Kumar	Introduction to Amazon Kinesis Streams	6 weeks	Amazon Aws

#### 4.8 Faculty as Resource Persons

S. No	Name of the Faculty	Type of Program	Lecture Topic	Duration	Organization	Place of Program
1	Dr M Kiran Kumar	Conference speaker	AI feature trends in medical industry	One day	ESI Hospital	Hyderabad

### 5. Students Enrollment and Progression

#### 5.1 Number of seats filled under various quotas and quality of students

No.of Students (UG): 44

EAMCET Starting Rank: 5229

EAMCET Closing Rank: 11588

No.of Students (PG): NA

Gate Starting Rank: NA

Gate Closing Rank: NA

PGCET starting Rank: NA

PGCET closing Rank: NA

#### 5.2 Academic Performance of Students

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) = 06

No. of students graduated from the program (n) = 03

UG Success Rate:  $m/n * 100 = 02$

No. of students admitted in corresponding first year (PG) (m1) =

No. of students graduated from the program (n1) =

PG Success Rate:  $m1/n1 * 100 =$

### 5.3 Students Placements, Higher Studies, Entrepreneurships

No. of students who are placed = 47

No. of students went for higher studies = 18

Highest and mean packages received by the students = 02

No. of students with entrepreneurship details = 00

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.) = 00

### 5.4 Students Activities

No. of Award Winning Students in Technical Events: 03

No. of Students Participated in Technical Events: 20

No. of Students Participated in Sports / Cultural Events: 12

No. of Students Participated in NSS Activities: 6

## 6. Curriculum Development

### 6.1 New Courses

UG:

No. of new courses introduced (Mention the Regulation) = 06

No. of courses with change in syllabus (if more than 20%) = 11

PG:

No. of new courses introduced (Mention the Regulation) =

No. of courses with change in syllabus (if more than 20%) =

6.2 Details of Conduction of Remedial Classes for Academically Weak Students:

S. No	Name of the Course	Name of the Faculty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. of Students attended	No. of Students passed
1	ACD	P Samyuktha	28-04-2024 to 30-4-2024	4	5	15	11
2	CS	Dr M Kiran Kumar	24-11-2023 to 10-12-2023	4	04	10	06

6.3 No. of Value Added Courses Conducted:

S. No	Name of the Value Added Course	Duration of the Course	No. of Hours.	Faculty Coordinator	Collaborative Industry	No. of Students Registered	No. of Students Passed
1.	BASICS OF DATA SCIENCE	1	30	T Annapurna	IIT Bombay Spoken tutorials	71	71
2.	INTRODUCTION TO C++ PROGRAM	1	30	T Annapurna	IIT Bombay Spoken tutorials	69	69
3.	MACHINE LEARNING MASTER	1	30	T Annapurna	IIT Bombay Spoken tutorials	71	71

6.4 No. of Student Activities Organized by the Department:

S. No.	Name of the Activity (Workshop / Guest Lecture / Seminar / Industrial Visit /Alumni Talk, etc.)	Name of the Activity	Date of the Activity Conducted	Name of the Resource person, Designation, Organization / Industry	Collaboration if any	Organized by Dept / Professional Body / etc.	No. of Students attended	Name of the Faculty Coordinator	Online / Offline
1.	Guest Lecture	Scientific Forestep	22-06-2024	1. Srujan P 2. Deepak Reddy 3. Srinivasa Rao N		GRIET	81	Dr M Kiran Kumar	Offline
2	Industrial Visit	T-HUB	20-06-2024	Abhishek Agrwal		GRIET	88	Ms. V Manasa	Offline
3.	Workshop	Mastering LLM Workshop – Introduction and awareness to machine learning models and large language models	28-06-2024	1. Mr. Y V N Phani Kishore 2. MR. P Mohan		GRIET	94	Dr. P. Sanjeeva	Offline
4.	workshop	Workshop “Unveiling the power of Generative AI” Hackthon “Gen-AI Challenges”	20-06-2024	1. Venkata Ramana 2. Aishwar Verma 3. P Raja		GRIET	50	Dr R P Ram Kumar	Offline

5.	FDP	GEN-AI & IT'S Applications	15-05-2024	Lakshmi V		GRIET	52	Dr R P Ram Kumar	Offline
6.	Co-Curricular Activities	27 <sup>th</sup> Annual Day	16 <sup>th</sup> March	Dr K Venkateswara Rao		GRIET	350	Dr M Kiran Kumar	Offline
7	Workshop	Industry Academia in collaboration with Infosys springboard	28-02-2024	Ms. Girija T R		GRIET - IEBE GRIET SC SBC	50	Dr P Srividya	Offline

#### Overview on Faculty Contribution and Development:

1. **Teaching:** faculty Delivering quality teaching instruction to students.
2. **Research:** faculty published research articles in various international journals and conference
3. **Mentorship:** faculty Guiding and advising students in 1:25 ratio
4. **Professional Growth:** Opportunities for faculty to enhance their teaching, research, and service skills.
5. **Certifications and Workshops:** faculty upgrade their skills periodically, by getting Certification course through NPTEL, AWS, Infosys spring board, etc. attended trainings and FDPs, on topics such as pedagogy, research methods, and Emerging technologies.

#### Overview on Students Progression:

1. 45 Students placed in different companies with an highest package of 34 LPA
2. Pass percentage of the students are also good
3. Students are completed values added courses through IIT Bombay Spoken tutorials.
4. Students are actively participated in various tech fests.

#### Overview on Academic Activities:

1. Students showcase their academic projects in road shows
2. Good practice to publish research articles in various international conference and journals

3. Hosting guest lectures by experts and professionals in various fields.
4. Providing workshops and training sessions for students, faculty
5. Providing career counselling and guidance to students.

Suggestions for the areas of improvement:

1. Faculty Need to get Research and consultancy Projects
2. Faculty need to improve quality publication
3. Very few faculty did certification courses, improve faculty certifications

Name of the Audit Member: Dr. G. Madhukar  
Designation: ASOC Professor  
Name of the Institute: CMR Technical Campus  
Kandlakoya, Medchal

Signature with date: G. Madhukar  
28/12/21



**Gokaraju Rangaraju Institute of Engineering and Technology**  
(Autonomous)

**Internal Quality Assurance Cell (IQAC)**

GRIET/IQAC/G/24-25

Audit Date: 30/12/2024

**DEPARTMENT ACADEMIC AND ADMINISTRATIVE AUDIT**  
(Academic Year: 2023-24)

1. Name of the Department to be Audited:

2. Programs Offered:

	UG	PG
Name of the Program	I B.Tech	
Year of establishment	1997	—

3. No. of Faculty & Students:

Designation	UG		PG	
Professors	10		-	
Associate Professors	12		-	
Assistant Professors	35		-	
Total no. of Students	1376		-	
	No. of Boys	No. of Girls	No. of Boys	No. of Girls
	883	493		

#### 4. Faculty Information and Contributions

4.1 Name of the Program(s): First Year BTech. ( 1:20ratio)

(all Faculty of H&S and other Branches Teaching Ist Year BTech)

Total Faculty	
Required Faculty	69
Available Faculty	90
No. of PhDs	52

Professors	
Required Faculty	10
Available Faculty	12
No. of PhDs	12

Associate Professors	
Required Faculty	15
Available Faculty	14
No. of PhDs	12

Assistant Professors	
Required Faculty	44
Available Faculty	63
No. of PhDs	18

$$\text{Faculty Qualification} = \frac{\text{Total Number of Faculty with PhD in the Department}}{\text{Total Number of Faculty Available}} \times 100$$

$$= 52/90 = 57.7\%$$

$$\text{Student Faculty Ratio (SFR): } \frac{\text{Total Number of Students (UG \& PG) in the Department}}{\text{Total Number of Faculty Available in the Department}}$$

$$= 1376/90 = 15.2$$

## 4.2 Faculty Publications

S. No.	Name of the Faculty	No. of Papers Published (23-24)				Papers Published in Conferences	Papers Published in Journals	Total Papers Published	H-Index	No. of Citations
		Indexed In SCI	Indexed In Scopus	Indexed In Web of Science	Indexed In Others					
1	P. Satya Gopal Rao	1					1	5	57	
2	Dr. GuruSampath Kumar	1					1	12	448	
3	Dr. HemaChandra Rao B	2					2		19	
4	Dr K Umadevi	2					2		35	
5	Dr.P. Ramesh Babu	4					4	11	271	
6	Dr. Supriya P	1					1			
7	Dr.k Kalpana	4					4	4	135	
8	Dr.Gadameetty Revathi	2	2				2	6	113	
9	Dr.P.Selvakumar	3	1				4	4	47	
10	Dr.k vagdevi		1	1	2			4		
11	Dr V Lakshmi Prasanna	2	2				5	MI	5	
12	B Shanti Sree		2	1			3	1		
13	Dr. D. Indira		6				6	2	17	
14	Dr.I.Saranya		1							
15	Dr.B.Jyothirmal		2	1			3	2	8	
16	Dr.Ramakrishna Prasad Varlagadda		1				1			
17	Dr.V.N.Rama Devi		1	1	2			4		
18	Dr.M.Hartha Kiranmai			2			2	2		
19	Dr S Manasa	1					1	3	35	

## 4.3 Faculty Intellectual Property Rights (IPR)- Nil

S. No.	Name of the Faculty	Title of the Patent	Country / Institute	File Number	Status of Patent	Date of Application / Publication / Grant

## 4.4 Faculty Research and Development: Nil

S. No.	Name of the Faculty (PI / Co-PI)	Title of the Project	Funding Agency	Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)

#### 4.5 Faculty Consultancy Projects- Nil

S. No.	Name of the Faculty	Title of the Project	Industry / Organization	Consultancy Project Duration	Sanctioned Amount (Lakhs)	Amount Received (Lakhs)

#### 4.6 Faculty Participation in FDPs / Workshops / STTPs / etc.

1	Dr.G.Revathi	Python for Data Science	Jan-Feb 2024		IIT Madras	online
2	Dr.G.Revathi	Data Science for Engineers	Jan-Mar 2024		IIT Madras	online
3	Dr. M. Sridhar	NEP-2020 Perspective Management Capacity Enhancement Program- 2024 (NEPMCEP-2024)	04-03-2024 to 07-03-2024	4 days	GRIET, Hyderabad	offline
4	Dr. V. N. Rama Devi	NEP-2020 Perspective Management Capacity Enhancement Program- 2024 (NEPMCEP-2024)	04-03-2024 to 07-03-2024	4days	GRIET, Hyderabad	offline
5	Dr. D. Indira	NEP-2020 Perspective Management Capacity Enhancement Program- 2024 (NEPMCEP-2024)	04-03-2024 to 07-03-2024	4days	GRIET, Hyderabad	offline
6	Dr. C R V Rao	NEP-2020 Perspective Management Capacity	04-03-2024 to 07-03-2024	4days	GRIET, Hyderabad	offline

		Enhancement Program- 2024 (NEPMCEP-2024)				
7	Dr. V. Lakshmi Prasanna	NEP-2020 Perspective Management Capacity Enhancement Program- 2024 (NEPMCEP-2024)	04-03-2024 to 07-03-2024	4days	GRIET, Hyderabad	offline
8	Dr.S.Rajeswari	NEP-2020 Perspective Management Capacity Enhancement Program- 2024 (NEPMCEP-2024)	04-03-2024 to 07-03-2024	4days	GRIET, Hyderabad	offline
9	Dr Hema Chandra Rao Bitra	Innovation in High-Performance Materials for Sustainable Energy and Environmental Impacts	29 -04-2024 to 04-05-2024	6 days	BVRITH	Online
10	Dr. V. Lakshmi Prasanna	NEP 2020 Orientation & Sensitization Programme - 10	07th May 2024 to 17thMay 2024	8 days	UGC Malaviya Mission Teacher Training Centre, JNTUH Hyderabad	Online
11	Dr.G.Revathi	Exploring Recent Trends in Applied Mathematics and Machine Learning	20-05-2024 to 24-05-2024	5days	K L U Hyderabad	Online
12	Ms. B Shanti sree	Current Trends in Materials and Their Applications	30th May , 2024	1 day	Malla Reddy College Of Engineering	Online
13	Dr. GuruSampath Kumar Ankisetty	Current Trends in Materials and Their Applications	30th May , 2024	1 day	Malla Reddy College Of Engineering	Online
14	Dr. V.Lakshmi Prasanna	Idea Generation Methods	25-06-2024 to 29-06-2024	5 days	ICT Academy	Online

15	Dr. Ramya Sucharitha Emmadi	Transforming Education: Integrating OBE and NEP 2020	22-07-2024 to 02-08-2024	10 days	CVR College of Engineering	Online
16	Dr.S.Rajeswari	AI Tools for English Language Teaching	22-07-2024 to 02-08-2024	10 days	KIIT College of Education, Gurugram(Haryana)	Online
17	Dr.M. Manjula	AI Tools for English Language Teaching	22-07-2024 to 28-08-2024	10days	KIIT College of Education, Gurugram(Haryana)	Online
18	Dr. Nidhi Mishra	AI Tools for English Language Teaching	22-07-2024 to 28-08-2024	10 days	KIIT College of Education, Gurugram(Haryana)	Online
19	Dr.G.Revathi	Foundational Sciences: The Cornerstones of Engineering	08-08-2024 to 10-08-2024	3 days	Sphoorthy Engineering College, Hyderabad	Online
20	Ms. B Shantisree	Advances in Semiconductor and Photonic Devices (ASPD-2024)	12th to 17th August 2024	6 days	Vasavi College of Engineering	Online
21	Dr. GuruSampath Kumar Ankisetty	Advances in Semiconductor and Photonic Devices (ASPD-2024)	12th to 17th August 2024	6 days	Vasavi College of Engineering	Online
22	Dr. Nidhi Mishra	Mindfulness and Wellbeing for Professionals	12th to 17th August 2024	6 days	Gokul Global University, Gujarat	Online
23	Dr. K. Vagdevi	Advances in Semiconductor and Photonic Devices (ASPD-2024)	12th to 17th August 2024	6 days	Vasavi College of Engineering	Online
24	Dr. Nidhi Mishra	Assimilations of Indian Knowledge Systems with NEP-2020: Prospect and Retrospect	30-07-2024 to 04-08-2024	6 days	BVRITH	Online
25	Dr.B.Jyothirmai	Innovation in Construction and Green Building Materials	19/08/2024 to 23/08/2024	5 days	NITTTR, Chandigarh	Online

26	Dr.B.Jyothirmai	NEP 2020 Orientation & Sensitization Programme - 16	02-09-2024 to 11-09-2024	9 days	UGC Malaviya Mission Teacher Training Centre, JNTUH Hyderabad	Online
27	Dr. GuruSampath Kumar Ankisetty	Recent Advances, Trends, and Challenges in Nanomaterials Characterization and Techniques (RCNMCT – 2024)	09-09-2024 to 14-09-2024	6 days	K.L. University	Online
28	Dr E. Ramya sucharitha	Smart grid and renewable energy sources	23-09-2024 to 27/09/2024	5 days	BITTER, Chandigarh	Online
29	Dr. E.Madhavi	Pearson PTE- Train the Trainer	19th OCT 2024	1 day	Pearson	Online
30	Dr.Nidhi Mishra	Gender and Literature	Aug- Oct 2024	Aug to Oct 2024	IIT Madras	Online
31	Ms. B Shanti sree	Outcome based Education and Accreditation Process	25-11-2024 to 29-11-2024	5 days	NITTTR, Chandigarh	Online

#### 4.7 Faculty Certification

S. No.	Name of the Faculty	Name of the Course	Duration	Certification Agency
1	Dr.G.Revathi	Python for Data Science	Jan-Feb 2024	IIT Madras
2	Dr. G.Revathi	Data Science for Engineers	Jan-Mar 2024	IIT Madras
3	Dr. Nidhi Mishra	Gender and Literature	Aug- Oct 2024	IIT Madras

#### 4.8 Faculty as Resource Persons : Nil

S. No.	Name of the Faculty	Type of Program	Lecture Topic	Duration	Organization	Place of Program

### 5. Students Enrollment and Progression

#### 5.1 Number of seats filled under various quotas and quality of students

No. of Students (UG):

EAMCET Starting Rank: **2709**

EAMCET Closing Rank: **155548**

No. of Students (PG): **Nil**

Gate Starting Rank:

Gate Closing Rank:

PGCET stating Rank:

PGCET closing Rank:

#### 5.2 Academic Performance of Students

No. of students admitted in corresponding first year (UG) and students admitted in second year through lateral entry (m) = 1376

No. of students graduated from the program (n) = **(Only I B Tech )**

UG Success Rate:  $m/n * 100 = 75.9\%$

No. of students admitted in corresponding first year (PG) (m1) =

No. of students graduated from the program (n1) =

PG Success Rate:  $m1/n1 * 100 =$

#### 5.3 Students Placements, Higher Studies, Entrepreneurships

No. of students who are placed =

No. of students went for higher studies =

Highest and mean packages received by the students =

No. of students with entrepreneurship details =

No. of students who qualified in competitive examinations (Civil Services, GATE, GMAT, CAT, GRE, TOEFL, etc.)

## 5.4 Students Activities

No. of Award Winning Students in Technical Events: 8

No. of Students Participated in Technical Events: 1366

No. of Students Participated in Sports / Cultural Events: 9

No. of Students Participated in NSS Activities:

## 6. Curriculum Development: Nil

### 6.1 New Courses

UG: Nil

No. of new courses introduced (Mention the Regulation) = Nil

No. of courses with change in syllabus (if more than 20%) = Nil

PG: Nil

No. of new courses introduced (Mention the Regulation) =

No. of courses with change in syllabus (if more than 20%) =

### 6.2 Details of Conduction of Remedial Classes for Academically Weak Students:

S. No	Name of the Course	Name of the Faculty	Duration of the Course From (Date) - To (Date)	No. of Classes taken	No. of Weak Students	No. Students attended	No. of Students passed
PHASE-1							
1	DEVC	Ch.Phani Rama Krishna	2-6 Jan 2024	5	52	52	37
2	Eniginering Physics	Dr.K.Vagdevi	9-12 Jan 2024	5	36	36	31
3	Engineering Mechanics	K.Ratna Babu	9-12 jan 2024	5	9	9	9
PHASE-II							
4	Lafa	Ch.Phani Rama Krishna	5-10 June 2024	4	87	87	36
5	PPS	M.mounica	11-14 June 2024	4	55	55	20
6	ITSPC	Dr.G.Revathi	15-19 June 2024	4	47	47	14
7	FCS	K.Shoban babu	5-10 June 2024	4	25	25	7
8	Engineering Chemistry	M.haritha Kiranmai	11-14 June 2024	4	23	23	3

### 6.3 No. of Value Added Courses Conducted:

S.No	Name of the Value Added Course	Duration of the course	No of Hours	Faculty Co coordinator	Collaborative Industry	No of students Registered	No of students passed
1	Python Programming	II Sem	30	Buchi Raju	-	1375	920
2	App Development	II Sem	30	Kiran Kumar	-	27	27
3	Internet of Things	II Sem	30	Kiran Kumar	-	29	29
4	Web Development	I Sem	30	Kiran Kumar	-	32	32
5	Computer Vision	I Sem	30	Kiran Kumar	-	33	33
6	Machine Learning	I Sem	30	Kiran Kumar	-	31	31

6.4 No. of Student Activities Organized by the Department:

S. No.	Name of the Activity (Workshop / Guest Lecture / Seminar / Industrial Visit / Alumni Talk, etc.)	Name of the Activity	Date of the Activity Conducted	Name of the Resource person, Designation, Organization / Industry	Collaboration if any	Organized by Dept / Professional Body / etc.	No. of Students attended	Name of the Faculty Coordinator	Online / Offline
1	Applications of Mathematics in programming	Guest Lecture	19/10/2024	Dr. K. Maruthi Prasad Professor H & S Dept GITAM University Hyderabad	Nil	Maths	120	Dr. BRK Reddy, Professor in Mathematics	Offline
2	Mutual Fund Awareness Seminar	Seminar	11/11/2024	Dr. Bhavanarayana Kandala, Trainer, JVathnani & CO	Nil	E Cell	65	Dr. D. Indira  Dean of EDC	Offline

Overview on Faculty Contribution and Development:

Encourage faculty to involve in inter disciplinary research, certification course and for consultancy projects.

Overview on Students Progression:

Enter classes for Civil and Mechanical students to improve them in academics.

Overview on Academic Activities:

Good

Suggestions for the areas of improvement: R & D, consultancy activities.

Name of the Audit Member: Dr. A. S. Sai Prasad  
 Designation: Prof & Head, Dept. of Physics  
 Name of the Institute: Vasavi College of Engineering  
 Signature with date: *ASPrasad* / 30/12/24