



Sankethika Bharathi

The Bi-annual Newsletter



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G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
AUTONOMOUS **FOR WOMEN**

{Accredited by NBA (UG: CSE, ECE, EEE, IT; PG: CSE, CNIS, PEED),
NAAC, Approved by AICTE, Affiliated to JNTUH}

(Sponsored by G. Pulla Reddy Charities Trust, Hyderabad.)

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Dr. K. Ramesh Reddy
Principal

From the Principal's Desk .

Awardees, Best Research Awardees and Young Scholar Awardees of all the departments.

World's biggest [International Space Apps Challenge](#) in collaboration with [NASA INTERNATIONAL CHALLENGE IN -2022](#) was conducted at GNITS on 16 - 17 June, 2022 in association with [SPACE APP INDIA](#) and [SUMVN](#) with the goal of producing relevant open-source solutions to address global needs applicable to both life on Earth and life in space. Among the 25 Teams shortlisted [4 Teams](#) of GNITS won the medals on the ideas - [SPACE SWEEPERS](#), [SPACE SOCKS](#), [SPACE APP; THE DOCUMENTARY](#) and [VIRTUAL SPACE EXPLORATION](#). Our Hearty Congratulations all the winners on their outstanding performance in taking part in the event. Our special appreciation to [M.Shirisha](#), [Greeshma](#) of ETE, [S.Keerthana](#), [Pravallika S.Divya](#) of CSE, [N.Vaishnavi](#) & [A.Charitha Reddy](#) of EEE won [1st Prize with a cash Prize of 1 Lakh](#) in [Smart India Hackathon-2022](#), at SCMS School of Technology & Management, Ernakulam, Kerala under the Mentorship of [Mr.V.Vikas](#), Asst. Professor and [Mr.A.Chandra Shaker](#), Asst. Professor, ETM

We are happy to note that [6th International Conference on Intelligent Computing and Communication \(ICICC-22\)](#) sponsored by AICTE with a grant of Rs. 3,66,700 is jointly organized by the department of CSE & ECE and ICT Academy of NIT Warangal on 18th & 19th Nov 2022 as part of our Silver Jubilee Celebrations with more than 300 delegates presenting their papers.

To disseminate and share knowledge in the chosen field of study GNITS facilitates the faculty and students to publish research papers and to attend to various conferences, seminars and workshops providing financial support and giving incentives. To promote experiential learning students are guided by taking up suitable internships and relevant projects to work on. The students are provided with ample opportunities to explore and experiment to bring forth their innate potential and talent through various co and extracurricular activities. The current [37th & 38th Issue](#) of our newsletter [SANKETHIKA BHARATHI](#) is the reflection of synergies among all the stakeholders - [Hallmark of GNITS](#).

I would like to extend my warm wishes to all the Staff members and the Students on the beginning of the New Academic year. Let it bring new knowledge and discoveries as well as new challenges to grow and excel.

Warm Greetings from GNITS! I am honoured and delighted to be associated with the [Silver Jubilee Celebrations](#) of GNITS this year - [15th December 2022](#) marking the illustrious journey of the leading Women's Engineering College during these 25 years crossing many milestones to be a place of Pride for all the young aspiring women engineering graduates to excel in their chosen fields. GNITS with its state-of art infrastructure facilities, well qualified faculty, lush green surroundings, platforms for innovation and creative thinking, dynamic events and activities by the technical associations and vibrant initiatives by the student clubs have all contributed to the glorious success of GNITS in standing as the premier Technical Institute in the state of Telangana for women.

GNITS achieving [NIRF RANKING 2022](#) with [RANK BAND - 251-300](#) in ENGINEERING reflects the hardwork year after year to provide quality education to students. We are indeed delighted to place on record that [4](#) of our [PG Programmes](#) _ [Computer Science & Engineering](#), [Computer Networks & Information Security](#), [Power Electronics & Electric Drives](#) and [Digital Electronics & Communication Engineering](#) are [NBA Accredited](#) for [3 years](#) from 1-7-2022 to 30-6-2025. The establishment of [3 Research Centers](#) affiliated to JNTUH in the departments of [CSE](#), [ECE](#) and [EEE](#) from this academic year, Curricular framework in tune with the National Education Policy, sanction of DST projects for the department of CSE have all paved way to reorient, reinvent and encourage the faculty and students towards Research and Innovation. We are indeed proud of the distinct achievements of our faculty and students in receiving the grants for projects, research publications in reputed journals and active participation at National Level Technical contests and competitions.

I congratulate all the Women faculty members who have received the [Star Women of the Year Award](#) as part of [International Women's Day Celebrations - 9th March, 2022](#) and all the students with [Young Promising Engineer Awards](#) during [Engineers Day Celebrations - 15th September, 2022](#) this year. Our compliments to all the [Special Awardees](#), [Best Faculty](#)

The function of education is to teach one to think intensively and critically

Chairman's Message

I extend my warm greetings and best wishes to all of my professional colleagues and students. It is a matter of great pleasure and satisfaction that **"Sanketika Bharathi"** has come up with the 37th and 38th issue of the college Newsletter. I look back with enormous sense of pride, the amazing progress that our institution has made within the glorious period of 25 years. This would not have been possible without the invaluable support and contribution of the faculty members, students, parents and my well-wishers. I strongly believe that serious, sincere and systematic services, surely secure supreme success.

Our educational programmes lay emphasis on all round personality development and in inculcating human values and professional ethics, which help our students become more humane and socially alive to lead a meaningful life. Our prime focus is on a balanced education that encompasses on tradition of ethics and on the needs of a changing world.

I congratulate all the members of GNITS on the Silver Jubilee for their 25 years of committed efforts and dedicated work in setting an example of hard work and diligence towards the progressive development of the Institution.



Sri P. Subba Reddy, Hon'ble Chairman



Mrs. G. Srividya Reddy, Hon'ble Vice-Chairman

Vice-Chairman says ...

"An essential aspect of creativity is not being afraid to fail." Edwin Land

Innovation flourishes in an environment that encourages problem solving and has an integrated approach to procreate ideas. If innovation is not encouraged and supported by mentors, it will not become a part of the college culture. At GNITS we have nurtured excellent learning environment for our students and have created an academic ambience to develop scientific temperament.

We the members of GNITS strongly believe that with proper guidance, the original idea of a student can evolve into a path breaking concept. So, we try to measure the problem solving and creative thinking ability of each student, and allow her to grow so as to sustain competitive advantage and this is rightly promoted through creating the right opportunities to take part in various technical events, internships and attending to relevant courses and workshops.

I welcome the 2022 Batch into the portals of GNITS and wish them Good Luck in exploring the opportunities and possibilities for a better tomorrow.

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Training & Placement Cell

Mr. G. Narendrababu Reddy, TPO & Asst. Professor, CSE Dept.

Training and Placement office is headed by **G.Narendrababu Reddy** with teaching experience of 19 years. He is working towards his doctoral degree in the area of 'Resources management and scheduling algorithms for scientific workflows in cloud computing systems'. He received '**Performing Minds Award 2016-17**' for outstanding efforts and best practices towards drawing recruiters for campus placements from Aspiring minds and academic excellence award from GNITS. He has published around 10 research papers in National and International Journals and conferences.

PLACEMENT DETAILS FOR THE A.Y: 2020-21

S.No.	Organization	Package	CSE	ECE	EEE	IT	ETM	Total
1	Twilio	43	2					2
2	Adobe	36	1					1
3	FlipKart	28	3					3
4	Myntra	27					1	1
5	Zscaler	24	1					1
6	Servicenow	23.5	4	1			2	1
7	Carrier	14	1	3	1			5
8	Zenoti	13.9	3	1			1	5
9	Qualcomm	13	1					1
10	Visa	13		1				1
11	Amazon	12	4				2	6
12	JP Morgan	12	25	4	1		11	5
13	Micron	12	6	1			8	1
14	Synopsys	12		2				2
15	Vmware	12	3					3
16	AT&T	11.5	2	3	3			8
17	State Street	11	3	10	3	2	1	15
18	Thoughtworks	9.6	1					1
19	Chetak	9		1				1
20	Invesco	9					1	1
21	FactSet	8.9	3				1	4
22	DBS	8.5					3	3
23	Informatica	8.5	2				1	3
24	Medtronics	8.5	1		2	1	1	5
25	NCR	8.4	1				1	2
26	S&P Global	8.4	2	1			1	4
27	Novartis	7.7	6					6
28	Optum	7.7	12	10	6	1	4	17
29	Model N	7.6	1	2				3
30	MAQ Software	7.5					1	1
31	Telstra	7.5	6	1				7
32	MOI	7.4					1	1
33	Arcesium	7.2	1					1
34	Deloitte	7	13	26	11	8	9	45
35	TATA	7	3				1	4
36	TCS Digital	7		1				1
37	Cognizant	6.7	3	21	14	7	8	42
38	BA Continuum	6.4	1				1	2

39	IHS Markit	6.4	1					1
40	PWC	6.4	10				4	0
41	DATA NIMBUS	6.2					2	2
42	INFOSYS	6.2		4	2	2	1	9
43	ADP	6	1					1
44	Bosch	6	1		2	1		4
45	epam	6	1					1
46	Yellow.ai	6	1					1
47	SOCIATE GENERATE	5.8			1			1
48	Ford	5.7	2	5		1		8
49	Hexagon	5.5					1	1
50	AiZen Algo	5		2				2
51	HARMAN	5	1	1	1			3
52	Indium	5					1	1
53	Rockwell Automation	5		1				1
54	Franklin Templeton	4.76	1					1
55	Persistent	4.7	1	4	1			6
56	Accenture	4.5	22	25	28	7	9	60
57	IBM	4.5		1	1			2
58	Virtusa	4.5		1				1
59	Medha servo drives	4.48		1				1
60	Legato	4.25	1				3	4
61	Colruyt	4.1		2		1		3
62	Capgemini	4	3	1	4			8
63	CONTROL 4C	4			1			1
64	DUPONT	4			2			2
65	DXC	4	2		5		2	9
66	KAGOOOL	4			1	1		2
67	Mindtree	4	2		2	1	2	3
68	SONATA	4			1			1
69	CGI	3.7	1	3	1			5
70	Cloud 4C	3.7	2	1				3
71	TCS	3.6		1				1
72	Tata Elxsi	3.5		1				1
73	Wipro	3.5	4	6	4	3	7	13
74	Innominds	3	1					1
75	Tata Communications	3	1		1			

Editorial Board

Members			
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Examination Branch

Dr. G.P. Prasada Reddy, Controller of Examinations

Dr. G.P. Prasada Reddy completed B.Tech degree in Mechanical Engineering from KSRM College of Engineering, Cuddapah during 1983-1987. Later he finished M.E degree in Industrial Engineering from Anna University, Madras during 1987-1989. He joined as an Assistant Professor in S.R.K.R Engineering College, Bhimavaram on 05/09/1989. He served there for about 9 years. He joined as Associate Professor in the Department of Mechanical Engineering in 1998. G.P. Prasada Reddy has been supervising examinations from 1998. He received academic excellence award in the year 2005 from GNITS. He was promoted as a Professor on 07/07/07. He published 7 papers in Journals and presented 4 papers in conferences. He also received Six Sigma Green belt certificate from ESCI Hyderabad. He received Ph.D. degree in the year 2012. He was appointed as Controller of Examinations in the year 2011 to supervise the Autonomous work of Examinations. He was the founder Secretary for both ISTE Chapter and ISTE Student Chapter.

2021 BATCH- I B.TECH- I SEM- APR-2022- RESULTS ANALYSIS

	Appeared	Passed		Passed with SGPA 9 & Above		Passed with SGPA 8 & Above		Passed with SGPA 7 & Above		Passed with SGPA 6 & Above		Passed with SGPA 5 to 6	
		NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
EEE	121	64	52.9	13	20.3	35	54.7	60	93.8	64	100.0	0	0.0
ECE	194	152	78.4	51	33.6	109	71.7	146	96.1	152	100.0	0	0.0
CSE	193	175	90.7	83	47.4	139	79.4	167	95.4	175	100.0	0	0.0
IT	129	117	90.7	40	34.2	91	77.8	105	89.7	116	99.1	1	0.9
ETM	65	45	69.2	8	17.8	23	51.1	38	84.4	45	100.0	0	0.0
CST	65	53	81.5	16	30.2	35	66.0	49	92.5	53	100.0	0	0.0
CSM	65	57	87.7	28	49.1	47	82.5	54	94.7	57	100.0	0	0.0
CSD	64	57	89.1	25	43.9	40	70.2	55	96.5	57	100.0	0	0.0
ALL	896	720	80.4	264	36.7	519	72.1	674	93.6	719	99.9	1	0.1

2020 BATCH- II B.TECH- I SEM- MAR-2022- RESULTS ANALYSIS

	Appeared	Passed		Passed with SGPA 9 & Above		Passed with SGPA 8 & Above		Passed with SGPA 7 & Above		Passed with SGPA 6 & Above		Passed with SGPA 5 to 6	
		NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
EEE	120	92	76.7	11	12.0	46	50.0	83	90.2	91	98.9	1	1.1
ECE	199	163	81.9	55	33.7	116	71.2	147	90.2	162	99.4	1	0.6
CSE	198	186	93.9	78	41.9	134	72.0	175	94.1	185	99.5	1	0.5
IT	134	121	90.3	51	42.1	85	70.2	104	86.0	121	100.0	0	0.0
ETM	61	43	70.5	6	14.0	22	51.2	35	81.4	42	97.7	1	2.3
CST	66	50	75.8	22	44.0	38	76.0	44	88.0	50	100.0	0	0.0
CSM	66	53	80.3	31	58.5	48	90.6	52	98.1	53	100.0	0	0.0
CSD	66	61	92.4	35	57.4	54	88.5	61	100.0	61	100.0	0	0.0
ALL	910	769	84.5	289	37.6	543	70.6	701	91.2	765	99.5	4	0.5

2019 BATCH- III B.TECH- I SEM- FEB-2022- RESULTS ANALYSIS

	Appeared	Passed		Passed with SGPA 9 & Above		Passed with SGPA 8 & Above		Passed with SGPA 7 & Above		Passed with SGPA 6 & Above		Passed with SGPA 5 to 6	
		NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
EEE	129	118	91.5	28	23.7	76	64.4	107	90.7	117	99.2	1	0.8
ECE	199	184	92.5	41	22.3	115	62.5	162	88.0	182	98.9	2	1.1
CSE	202	195	96.5	63	32.3	150	76.9	183	93.8	194	99.5	1	0.5
IT	137	115	83.9	20	17.4	72	62.6	100	87.0	114	99.1	1	0.9
ETM	67	54	80.6	23	42.6	37	68.5	45	83.3	53	98.1	1	1.9
ALL	734	666	90.7	175	26.3	450	67.6	597	89.6	660	99.1	6	0.9

2018 BATCH- IV B.TECH- I SEM- FEB-2022- RESULTS ANALYSIS

	Appeared	Passed		Passed with SGPA 9 & Above		Passed with SGPA 8 & Above		Passed with SGPA 7 & Above		Passed with SGPA 6 & Above		Passed with SGPA below 6	
		NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
EEE	133	118	88.7	45	38.1	94	79.7	117	99.2	118	100.0	0	0.0
ECE	201	193	96.0	69	35.8	174	90.2	190	98.4	193	100.0	0	0.0
CSE	197	188	95.4	75	39.9	150	79.8	181	96.3	188	100.0	0	0.0
IT	125	121	96.8	22	18.2	88	72.7	118	97.5	121	100.0	0	0.0
ETM	66	64	97.0	15	23.4	48	75.0	62	96.9	64	100.0	0	0.0
ALL	722	684	94.7	226	33.0	554	81.0	668	97.7	684	100.0	0	0.0

2018 BATCH- IV B.TECH- II SEM- JULY-2022- RESULTS ANALYSIS

	Appeared	Passed		Passed with SGPA 9 & Above		Passed with SGPA 8 & Above		Passed with SGPA 7 & Above		Passed with SGPA 6 & Above		Passed with SGPA below 6	
		NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
EEE	132	128	97.0	81	63.3	122	95.3	128	100.0	128	100.0	0	0.0
ECE	200	196	98.0	141	71.9	192	98.0	195	99.5	196	100.0	0	0.0
CSE	196	192	98.0	124	64.6	179	93.2	192	100.0	192	100.0	0	0.0
IT	125	123	98.4	32	26.0	104	84.6	121	98.4	123	100.0	0	0.0
ETM	66	65	98.5	19	29.2	58	89.2	65	100.0	65	100.0	0	0.0
ALL	719	704	97.9	397	56.4	655	93.0	701	99.6	704	100.0	0	0.0

2021 BATCH- I M.TECH- I SEM- APR-2022- RESULTS ANALYSIS

	Appeared	Passed		Passed with SGPA 9 & Above		Passed with SGPA 8 & Above		Passed with SGPA 7 & Above		Passed with SGPA 6 & Above		Passed with SGPA below 6	
		NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
PEED	9	7	77.8	1	14.3	5	71.4	7	100.0	7	100.0	0	0.0
DECE	6	5	83.3	2	40.0	4	80.0	5	100.0	5	100.0	0	0.0
CSE	4	4	100.0	2	50.0	4	100.0	4	100.0	4	100.0	0	0.0
CNIS	10	10	100.0	2	20.0	6	60.0	9	90.0	10	100.0	0	0.0
WMC	2	2	100.0	0	0.0	2	100.0	2	100.0	2	100.0	0	0.0
ALL	31	28	90.3	7	25.0	21	75.0	27	96.4	28	100.0	0	0.0

2020 BATCH- II M.TECH- I SEM- MAR-2022- RESULTS ANALYSIS

	Appeared	Passed		Passed with SGPA 9 & Above		Passed with SGPA 8 & Above		Passed with SGPA 7 & Above		Passed with SGPA 6 & Above		Passed with SGPA below 6	
		NO	%	NO	%	NO	%	NO	%	NO	%	NO	%
PEED	10	9	90.0	6	66.7	8	88.9	9	100.0	9	100.0	0	0.0
DECE	9	9	100.0	3	33.3	5	55.6	7	77.8	8	88.9	1	11.1
CSE	7	7	100.0	4	57.1	6	85.7	7	100.0	7	100.0	0	0.0
CNIS	13	13	100.0	0	0.0	7	53.8	13	100.0	13	100.0	0	0.0
WMC	9	9	100.0	7	77.8	9	100.0	9	100.0	9	100.0	0	0.0
ALL	48	47	97.9	20	42.6	35	74.5	45	95.7	46	97.9	1	2.1

2017-2021 :: Batch- B.Tech (First and Second Rank Holders) PROVISIONAL LIST

S No	Branch	H T No	Name	% of Marks
1	EEE	18255A0218	Ch Hemakumari	8.61
2		17251A0276	Maddipati Srisushma	8.54
3	ECE	17251A04E6	Rapolu Harshitha	8.67
4		17251A0462	Bodanapu Sreeja	8.55
5	CSE	17251A05G9	M Samhitha	8.72
6		17251A05E6	Sreevidya Makkapati	8.67
7	IT	17251A12A0	Gujjula Preethika	8.75
8		17251A1214	N Sai Jyothi	8.67
9	ETM	17251A1727	Swathi M	8.35
10	All	17251A1701	Arava Sri Rathna Mahi	8.22
	Branches	17251A12A0	Gujjula Preethika	8.75

2016-2020: Batch- B.Tech GOLD-MEDAL WINNERS

S No	Branch	H T No	Name	% of Marks
1	EEE	18255A0218	Ch Hemakumari	8.61
2	ECE	17251A04E6	Rapolu Harshitha	8.67
3	CSE	17251A05G9	M Samhitha	8.72
4	IT	117251A12A0	Gujjula Preethika	8.75
5	ETM	17251A1727	Swathi M	8.35
6	All Branches	17251A12A0	Gujjula Preethika	8.75



Computer Science & Engineering

Dr. M. Seetha, Professor & Head

Dr. M. Seetha, was awarded Ph.D from JNTU Hyderabad. She has 29 years of teaching experience in reputed institutions. The department received a total grant worth Rs. 91,86,419/- under various schemes like **TIDE**, **DDP**, **AICTE – CAYT**, **MODROBS** and **PMKVY** schemes in her headship. She is the recipient of **Best HOD of the year** Award by **CSI Mumbai TechNext**, **Acharya Ratna** Award by **Information Technology Association of Andhra Pradesh** in 2019, **Distinguished Faculty in Engineering** Award by **Venus International Foundation**, Chennai in 2017 and **Star Achiever Award** from Accenture Services Pvt. Ltd. in 2016. She has published **171 research papers** in National/International Journals and Conferences. She is the incharge of college website design and maintenance. She delivered sessions as a resource person in various FDP's/Workshops in the areas of Machine Learning, Deep Learning and IoT. She is recognized as Supervisor and Co-Supervisor for various universities like JNTUH, VTU, JNTUA, KLU and JNTUK. 11 research scholars have been awarded with Ph.D, 1 submitted thesis and 3 are pursuing under her guidance. She is the member of **Governing Body**, **GNITS**. **Curriculum development** is done for two specialization courses in **CSE (Artificial Intelligence & Machine Learning)**, and **CSE (Data Science)** under her headship. She serves as an Editorial Board Member, Reviewer, Advisory/Program/Steering committee member of various National/International Journals and Conferences. She is the **BOS member**, subject expert for **Staff Selection Committee** for other colleges and also a Life member of **ISTE**, **IETE**, **CSI** and Fellow of **IE**.

Department Vision

To provide engineering education in the field of Computer Science with evolving technologies and to produce self-motivated, employable individuals to society.

Department Mission

1. To pioneer education in Computer Science and Engineering, Mathematics and Sciences, to mould the overall personality of students.
2. To nurture the students to be dynamic, industry ready and to have multidisciplinary skills and leadership qualities.
3. To inculcate work ethics and commitment in students for their future endeavors to serve the society.

Program Educational Objectives (PEOs)

PEO 1: The students should be able to apply their knowledge in Mathematics, Science, Engineering as well as Computer Science along with programming skills in their career and higher education.

PEO 2: They are expected to communicate well and get ready for understanding the importance of social, business, technical and ethical aspects with which a process or product is designed.

PEO 3: They should be able to excel in multidisciplinary teams, develop leadership roles and inculcate problem solving capability, design skills and other diverse career paths.

PEO 4: They should develop an interest in knowledge enhancement with the evolving technologies and thinking beyond the present.

Highlights of the Department

- ❖ **2 DST Projects** worth **Rs. 58,14,719/-** were sanctioned under Device Development Program (DDP) and Technology Interventions for Disabled and Elderly (TIDE) schemes.

- **TIDE** project worth **Rs.37, 00,410/-** was sanctioned for a duration of 3 years in March 2022. **Dr.M.Seetha**, Professor & Head, **Dr.N.Kalyani**, Professor are the **Principal Investigators**, **Mrs.Y.Sravani Devi**, Asst. Prof, **Dr.D.V. Lalitha Parameswari**, Assoc. Prof, **Mrs.T.Swapna** Asst. Prof, are CO – PI's of the project.

- **DDP** project worth **Rs. 21,14,309/-** was sanctioned for a duration of 2 years in Oct 2021. **Dr.M.Seetha**, Professor & Head, **Dr.N.Kalyani**, Professor are the Principal Investigators, **Mrs.Y.Sravani Devi** and **Mrs.V.Divya Raj** Asst. Profs, are CO – PI's of the project.

- ❖ Dept. of CSE has been recognized as **R&D Center** by **JNTUH** in 2022 for **3 Years**.

- ❖ **Dr.M.Seetha**, Professor&Head, **Dr.N.Kalyani**, **Dr.A.Sharada**, Professors, **Dr.O.Obulesu**, Assoc. Prof and **Dr.B.Sasidhar**, Asst. Prof have been recognized as **Co-Supervisors** under **KL university** from the year 2022.

- ❖ Various proposals for different research schemes and FDP's were submitted to **DST (2)**, **DRDO (2)**, **NRSC (1)** and **FDP's (2)** worth **Rs. 3, 34, 28, 953/-** in the academic year 2021-2022.

- ❖ The department has procured a **3-D printer worth Rs. 2,51,812/-** which allows for the design and print of complex designs.



International conference (ICICC-2022) Brochure Release

- ❖ 6th International Conference on Intelligent Computing and Communication (ICICC-22) brochure was released on 06/08/2022 and it is sponsored by AICTE, jointly organized by CSE Dept of GNITS and E & ICT Academy of NIT Warangal on 18th & 19th Nov 2022.



New Computer Labs Inauguration

- ❖ **Two** Computer Labs (CL-12 & CL-13) were established in the Department for the specialization courses CSM and CSD branches on 06/08/2022.
- ❖ Institutional membership with **AIMER** was granted for 5 years to promote research activities among members on medical domain.
- ❖ Signed **MoU** with **IBC Media** related to the activities of Blockchain Technology in **August** and with **IBM** to train the faculty and students in the latest technologies in **June 2022**.
- ❖ Dept. of CSE in association with **IIITH** is conducting **College Research Affiliation program** in the technological areas like

IoT and Speech processing (NLP) with 4 faculty members Mrs.P.Sunitha Devi, Mrs.R.Pallavi Reddy, Mrs.Bhageshwari Ratkal and Mrs.Nanda Devi D R Asst. Profs along with 58 students of 2019-2023 Batch.



- ❖ Mrs.M.Lalitha and Mrs.R.Mamatha, Asst. Profs received 'Uttama Adyapika' award from Bharat Education Excellence on 4/09/2022 at Andhra University, Vishakapatnam.
- ❖ 8 patents were filed and published by faculty inventors of the department in the year 2021-22.
- ❖ Dr.Raghavender K.V, Assoc. Prof, published three patents on
 - 'Artificial Intelligence based approach to analyze the effective means of human computer interaction interfaces' in June 2022.
 - 'A Machine Learning Based System for providing a Biomedical User Interface' in March 2022.
 - 'IoT based smart city power management technique' in March 2022.
- ❖ Mrs.Bhageshwari Ratkal, Asst. Prof, published a patent on 'Mining safety protocol monitoring system employing IOT integrated hyper-ledger cloud module' in May 2022.
- ❖ Mrs.D.Manju, Asst. Prof, & Dr.M.Seetha, Professor & Head published a patent with the title 'Early action prediction using deep learning framework for anomaly detection from surveillance videos by recurrent residual inception V3 and LSTM' in Feb 2021.
- ❖ Mrs.Ch.Swathi, Asst. Prof, published a patent on 'AI & IOT Based Pedestrian Traffic Display' in Dec 2021.
- ❖ Mr.T.Anil, Asst. Prof, filed and published a patent with the title 'Land survey and registration system with video proofing based IOT hyper ledger cloud module' in Dec 2021.
- ❖ Dr.O.Obulesu, Assoc. Prof, published a patent on 'IoT enabled Secure Smart City Application' in July 2021.
- ❖ Mrs.M.Lalitha, Asst. Prof, awarded the title of AICTE LITE Faculty Coordinator by AICTE and Pupilfirst School in Dec 2021.
- ❖ Mrs.Y.Sravani Devi, Asst. Prof received Young Scientist Award from VDGOD Professional Association in Jan 2022.
- ❖ Mrs.R.Pallavi Reddy, Asst. Prof received Research Excellence Award from the Institute of Scholars in Sept 2021.
- ❖ Mr.N.Venkateswarulu, Asst. Prof completed PRE-EDUCATION PROGRAM (PEP-2021) from Sep 2020 to Jun 2021 under EPAM Systems India Private Ltd.
- ❖ Faculty of Dept. received 2 Best paper awards presented in International and National Conferences for the year 2021-2022.
- ❖ Department congratulates the faculty, Mrs.Ch.Radhika and Mrs.Ch.Swathi, Asst. Profs, who registered for Ph.D in JNTUH, May 2022.
- ❖ 170 B.Tech. students from 2018-2022 batch and 5 M. Tech. students have been placed in reputed MNC's.
- ❖ S.Keerthana Pravallika and N.Charitha, IV CSE B got placed in Twilio with a CTC of 47 Lakh/Annum and an internship offer of Rs. 1,22,325/- Lakh/Month.



N. Charitha



S. Keerthana Pravallika

- ❖ Ifrah Fatima (18251A05C9) got overall college topper with a CGPA of 9.74.
- ❖ A.Shivani Reddy, IV CSE A participated in 40 hrs hackathon conducted by Infosys in Pune and secured I prize and a cash award of Rs. 2,00,000/- in Aug 2022.



Ifrah Fatima

- ❖ S.Keerthana Pravallika and S.Divya, IV CSE B along with ETM and EEE students participated in SIH 2022 conducted by DoT on Caller ID Spoofing at Kochi, secured I prize with a cash award of Rs. 1,00,000/- in Aug 2022.



HACKWITHINFY 2022 Winner

- ❖ Ms.Loka Swetha Sri Lakshmi (16251A05F0) with 9.20 CGPA received Best Outgoing Student - CSE and Dr.Md.Vizarath Rasool Khan endowment Gold Medal - CSE - 1st rank, for the academic year 2019-20 from JNTUH.



Smart India Hackathon 2022 Winner

- ❖ Ms. V. Akshita (17251 A0 5E9), with 8.61 CGPA received Late



- ❖ Prof.G.Purushotham memorial Endowment Gold Medal for best outgoing student who got highest marks in Mathematics-I for the academic year 2020-2021 from JNTUH.



- ❖ GNITS Star Women of the Year 2022 - as part of International Women's Day Celebrations on 8/03/2022 was awarded to Y.Priya Amrutha, V Jahnvi, S.Srilekha, IV CSE-A, B & C.



Students - GNITS Star Women

- ❖ The following three 36-hour hackathons were conducted under CSI by Dept. of CSE.

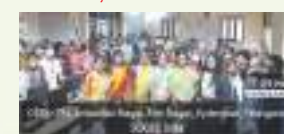
- ❖ MERN Stack Applications Development for II B. Tech students in association with Brain O Vision Solutions Pvt. Ltd., Hyderabad from 07/04/2022 to 08/04/2022. Winners of the hackathon follows and received internship offer.



MERN Stack Applications Development Hackathon

- I Prize - O.Soumya Mani Madhavi, Akshara, Lahari, II CSE C
- II Prize - Saima Muzafar Hussain, Hafsa Rahim, Tahniyath Zamani Sama, Sayeeda Juvana Khan, II CSE A

- ❖ ML Applications Using IBM Cloud & Watson Studio for III B. Tech students in association with Smart Bridge Solutions Pvt. Ltd., Hyderabad from 18/12/2021 to 19/12/2021. Selected top 5 batches in the hackathon and offered internship, externship for the top two batches and opportunity to work in guided projects for the remaining batches. Following are the winners.



ML Applications Using IBM Cloud & Watson Studio Hackathon

- I Prize - Gayathri II CSE A, D.Divya, E.Vandana, M.Ashritha, II CSE B
- II Prize - Ch.Sai Charitha, K.Pujitha, R.Laxmi Krithika, II CSE C

- ❖ **Web Development** for I B. Tech students in association with **Brain O Vision solutions India Pvt. Ltd.**, Hyderabad from 14/08/2021 to 16/08/2021. Winners of the hackathon are as follows and they received internship offer.



Web Development Hackathon

- I Prize - **O.Soumya Mani Madhavi, M.Suma, Mishritha Reddy, L.Harini, Lahari Yadav**, II CSE C
- II Prize - **K.Renu, M.Sadvika, L.Sravani, R.Poojitha, D.Naveena Kumari**, II CSE B

Newly Joined Faculty

- ❖ CSE - **Mrs.B.Spandana**, Asst. Prof.
- ❖ CSM - **Dr.K.Prasanna, Dr.S.Ravi Kumar Raju**, Assoc. Profs, **Dr.B.Sasidhar, Mrs.G.Roja, Mrs.D.Anusha, Mrs.B.Amrita**, Asst. Profs.
- ❖ CSD - **Mrs.N.Divya, Ms.C.Bhagyashree, Mrs.A.Prasanna, Mrs.K.Sreeveda, Mrs.Nayana Rai, Mrs.M.Sirisha**, Asst. Profs.

Workshops Conducted

CSE Dept organized 3 National Level FDP's and 3 In-House Training programmes.

- ❖ 1- Week FDP on '**Amazon Web Services**' organized by Dept. of CSE in association with **Brain O Vision solutions India Pvt. Ltd.**, Hyderabad from 22/08/2022 to 27/08/2022. **Mr.T.Anil** and **Mrs.K.Sneha Reddy** Asst. Profs were the Coordinators.



10 Day -FDP on Predictive Analysis and Business Intelligence

- ❖ A 10 – Day FDP on '**Predictive Analysis and Business Intelligence**', organized by E & ICT Academy, NIT, Warangal in association with Dept. of CSE, GNITS from 1/12/21 to 10/12/21. **Dr.A.Sharada**, Professor was the Coordinator; **Mrs.Nanda Devi. D.R.**, Asst. Prof., was the Co-Coordinator

- ❖ A 10 – Day FDP on '**Deep Learning and AI Applications**', organized by E & ICT Academy, NIT, Warangal in association with Dept. of CSE, GNITS from 28/08/21 to 7/09/21. **Dr.N.Kalyani**, Professor was the Coordinator; **Mrs.Y.SravaniDevi**, Asst. Prof. was the Co-Coordinator.



10 Day -FDP on Deep Learning and AI Applications



Participants in 1-Day, 2-Day & 3-Day Training Programs

- ❖ A 1-Day training program on '**3D Designing and Printing**' was organized by Dept. of CSE in association with VSD Enterprises on 10/03/2022. **Mr.N.Venkateswarulu** Asst. Prof. was the Coordinator.
- ❖ A 2-Day In-House Inter-Departmental SDP on '**Machine Learning on Cloud and Process Optimization**' in association with M/s Intrinsic science labs was conducted from 18/02/2022 to 19/02/2022. **Dr.A.Sharada**, Professor was the Coordinator, **Mrs.T.Swapna** and **Mrs.D.Naga Swetha** Asst. Profs, were the Co-Coordinators.
- ❖ A 3-Day training program on '**Artificial Intelligence and Deep Learning**' under AI & ML Center of Excellence, Dept. of CSE, in association with Digital Track Solutions Pvt. Ltd and NVIDIA was conducted from 28/12/2021 to 30/12/2021. **Mr.N.Venkateswarulu** and **Mrs.M.Anusha** Asst. Profs, were the Coordinators.

Faculty Achievements

- ❖ **Dr.M.Seetha**, Prof. & HOD
 - **Subject expert in JNTUH Staff Selection Committee** of BVRITH in Aug 2022 and Sridevi Women's Engineering College for IT & CSE Departments in Aug 2021.
 - **One Research Scholar** was awarded Ph. D in **July 2022** under **JNTUH**.
 - Sanctioned a grant for organizing **Conference** from **AICTE** worth **Rs.3, 66,700/-** on 19/07/2022 as a **Program Coordinator**.
 - The project '**Synthesizing Realistic ARMD Fundus Images using Generative Adversarial Networks**' selected for **2nd Round of 11th CSI-In App International Student Project Awards** in May 2022.
 - Received certificate of appreciation as a **Reviewer in GITAM University** in April 2022.
 - **Resource Person** for the FDP on '**Deep Learning and AI Applications**' organized by E & ICT Academy, NIT, Warangal in association with Dept. of CSE, GNITS in Sept 2021.
 - Nominated as **Session chair** for the following Conferences.
 - **BHARAT-22 International Conference on Breakthrough in Heuristics and Reciprocation of Advanced Technologies.**
 - **5th International Conference on Smart Computing and Informatics (SCI-2021)** from 17/9/2021 to 18/9/2021 at Vasavi College of Engineering, Hyderabad.
 - Participated in the following **Campus Connect Programmes**.
 - Engagement Planning Call organized by Service Now to discuss the '**Campus Engagement Plan**' on 6/10/2021.
 - **Infosys campus connect** conclave 2021 conducted by Infosys Spring board in Dec 2021.
- ❖ **Dr.N.Kalyani**, Professor
 - Completed 1 year course on '**Applied Machine Learning Course**' in online, offered by Applied Roots in Aug 2022.
 - **Subject expert in JNTUH Staff Selection Committee** of Pallavi Engineering College for IT & CSE Departments, in Aug 2022.
 - **Resource Person** for the topic '**Establishment of Research and Development Cell in Higher Educational Institutions**' organized by UGC on 23/08/2022.
 - **Jury Member** for **SIH 2022**, organized at VNRVJIT from 25/08/2022 to 26/08/2022.

- Attended a **BoS meeting** for IT Department at **GRIET**, Hyderabad on 25/04/2022.
- Received **GNITS Star Woman of the Year** as part of International Women's Day Celebration on 8/03/2022.
- **Session Chair** for International Conference on Information System Design and Intelligent Applications from 25/02/2022 to 26/02/2022 organized by BVRIT Hyderabad.
- Organizer for an awareness session on '**NIRF Ranking - Accreditation and Grading of institutions**' at GNITS, in association with NIT Warangal on 2/2/2022.
- **Ph.D Thesis Reviewer** for Sri Satya Sai University of Technology and Medical Sciences, Sehere on 25/01/2022.
- **Resource Person** for the FDP, '**Predictive Analysis and Business Intelligence**' organized by E & ICT Academy, NIT, Warangal in association with Dept. of CSE, GNITS in Dec 2021.
- **Reviewer** for the 5th International Conference on Smart Computing and Informatics (**SCI-2021**) from 17/9/2021 to 18/9/2021 at Vasavi College of Engineering, Hyderabad.
- ❖ **Dr.A.Sharada**, Professor
 - **Jury Member** in the 'Innovate 4 Menstrual Waste' Hackathon 2022 organized by **TSIC** Cell and **Water Aid** during 24th and 25th May, 2022.
 - Received '**First Consolation Prize**' with a cash award of **Rs. 10,000/-** in Science & Engineering Fair, **Anveshana** in March 2022 for the project titled '**Nervousness Indicator in classroom Environment**' under her guidance.
 - **Reviewer** for the 5th International Conference on Smart Computing and Informatics (**SCI-2021**) from 17/9/2021 to 18/9/2021 at Vasavi College of Engineering, Hyderabad.
- ❖ **Dr.O.Obulesu**, Assoc. Prof,
 - Sanctioned a grant for organizing **Conference** from **AICTE** worth **Rs.3, 66,700/-** on 19/07/2022 as a Program **Co-coordinator**.
 - Received Certificate of Appreciation Award from **NPTEL** as a **Mentor** for **DBMS** course in May 2022.
 - Attended a **BoS meeting** for **AI&DS** Department at **NBKIRST**, Nellore on 1/10/2021.
 - **Reviewer** for international conference on '**AI Trends and pattern recognition**' at Vardhaman College of Engineering in March 2022.
 - **Resource person** for the following FDP's
 - '**Statistical Analysis and Techniques using R**' organized by Narayana Engineering College, Nellore on 21/02/2022.
 - '**Application of Data Science and Machine Learning in Engineering**', organized by SVEC, Tirupati during 14th and 15th June, 2021
- ❖ **Dr.M.Seetha**, Professor & Head, **Dr.D.V.Lalitha Parameswari** and **Dr.G.Malini Devi**, Assoc. Profs, submitted a research proposal on '**Development of techniques for correction of artifacts in Remote sensing images**' to **NRSC-ISRO** Respond basket in June 2022.
- ❖ **Dr.M.Seetha**, Professor & Head, **Dr.D.V.Lalitha Parameswari**, Assoc. Prof., **Dr.B.Sasidhar** and **Mr.T.Anil**, Asst. Profs, submitted a research proposal on '**Enhanced Traditional**



Faculty - GNITS Star Women

Skills to Improve Rural Economy for SC Population in Yerraguntla (Mandal), Kadapa District, Andhra Pradesh (State), India Science Technology and Innovation Hub in Yerraguntla (Mandal), Kadapa District, Andhra Pradesh State' to **DST** in Sept 2021.

- ❖ **Dr.A.Sharada**, Professor, **Mrs.Jayashree S.Patil**, Assoc. Prof, **Mrs.Bhageshwari Ratkal**, **Mrs.T.Swapna** and **Mr.T.Anil**, Asst. Profs, submitted a research proposal on '**SWECHA-Smart Wristband for Educational and Corporate Hidden Anxiety Detection**' to **DST** in Jan 2022.
- ❖ **Dr.N.Anusha** and **Mrs.T.Swapna** Asst. Profs., submitted research proposal on '**Image recognition and target tracking and non-cooperative collision avoidance systems for UAVs**' to **DRDO** in Oct 2021.
- ❖ **Dr.D.V.Lalitha Parameswari**, Assoc Prof, and **Mrs.M.Anusha** Asst. Prof., submitted research proposal on '**Motion Pattern Classification on online/active data**' to **DRDO** in Sept 2021.
- ❖ **Dr.Raghavender K.V.**, Assoc. Prof, was nominated as **Session chair** in **ICSPEC 2021** conference on 04/07/2022.
- ❖ **Dr.Raghavender K.V.**, Assoc. Prof attended a **BoS meeting** for **CSE** Department at **SICET**, Hyderabad on 20/04/2022.
- ❖ **Dr.O.Obulesu** and **Dr.G.Malini Devi**, Assoc. Profs, were appointed as **Reviewers** for the '**International Conference on Advances in Computer Engineering and Communication Systems**' at **VNR VJIET**, Hyderabad from 13/08/2021 to 14/08/2021.
- ❖ **Dr.B.Sasidhar**, Asst. Prof, nominated as **Reviewer** for the following International Conferences and Journals.
 - **International Journal of Biomedical and Clinical Engineering(IJBCE)**, IGI Global, in July 2022
 - **International Conference on Recent Trends in Information Technology and its Applications**, in July 2022.
 - **4th International Conference on Computer & Communication Technologies**, Springer, in June 2022.
- ❖ **Mrs.R.Pallavi Reddy**, Asst. Prof,
 - Recognized as **professional member** and **reviewer** of Institute of Scholars in Sept 2021.
 - **Reviewer** for the following conferences
 - '**7th International Conference on Fuzzy Systems and Data Mining**' in Seoul, South Korea from 26/10/2021 to 29/10/2021.
 - '**International Conference on Electrical, computer, communications and Mechatronics Engineering**' in IEEE Mauritius from 07/10/2021 to 08/10/2021.
- ❖ **Mrs.T.Swapna** and **Mrs.Y.Sravani Devi**, Asst. Profs., nominated as resource persons for the FDP on '**Deep Learning and AI Applications**' organized by E & ICT Academy, NIT, Warangal in association with Dept. of CSE, GNITS in Sept 2021.

Faculty Publications

- ❖ **Dr.M.Seetha**, Professor & Head, published a paper titled '**Automated Text Detection from Big Data Scene Videos in Higher Education: A practical Approach for MOOCs Case Study**' in Journal of Computing in Higher Education, V33 N3 pp:581-613, Index: Scopus in Sept 2021.
- ❖ **Dr.M.Seetha**, Professor & Head, **Dr.N.Kalyani**, Professor and **Mrs.Y.Sravani Devi**, Asst. Prof., presented a paper titled '**An Ensemble CNN model for Identification of Diabetic Retinopathy Eye Disease**' in **SCI-2021** at Vasavi College of Engineering, Hyderabad in Sept 2021.
- ❖ **Mrs.D.Manju**, Asst. Prof, and **Dr.M.Seetha**, Professor & Head published papers titled

- 'Performance analysis of LSTM based deep learning models for abnormal action prediction in surveillance videos' in JTAIT, Vol.100, No 1, ISSN: 1992-8645 in Jan 2022.
- 'Analysis of Deep learning models for Early Action Prediction using LSTM' at the 3rd international conference on ICICIT-2020 organized by RVS Technical campus, Coimbatore, India in August 2021 and received **Best paper award**.
- ❖ **Dr.Raghavender K.V**, Assoc. Prof., published papers titled
 - 'An automatic IP Falsifying Attacks detection using Hop Count Filtering and Round-Trip Time' in Dogo Rangsang Research Journal, ISSN: 2347-7180, Vol-09, Issue-01, UGC Care Group I Journal, 2022
 - 'Detection of Traffic Signs using Deep Learning Techniques' in IJECSE, ISSN: 1308-5581 Vol 14, Issue 01 and PP: 3528-3533, 2022.
 - 'Analyzing Histopathological images by using Machine Learning techniques' in Applied Nanoscience, DOI: <https://doi.org/10.1007/s13204-021-02217-4> in Feb 2021.
 - 'Inventory Management Utilizing XG Boost in the Prediction for Automation of Agriculture Irrigation Systems' in IJBPA, Special Issue, 2021, 10(11): 612-622, ISSN: 2277-4998, Index: WoS in Nov 2021.
 - 'Recognition of Spam Balancing for IOT Network with Machine Learning Technique' in RBJL & IS, ISSN: 0972-2750, Vol-11, Issue-01, UGC Care Group I in Sept 2021.
 - 'A Novel Artificial Neural Networks and Fcnn Algorithms for Identifications of Fake Profiles on Cloud Network' in JCR, ISSN- 2394-5125, Vol 8, Issue 04, 2021
- ❖ **Dr.D.V.Lalita Parameswari**, Assoc. Prof, published papers titled
 - 'A Hybrid Feature Selection for Improving Prediction Performance with a Brain Stroke Case Study' in IDSCS 2022 at CHRIST (Deemed to be University) in Feb 2022.
 - 'Mining images of high spatial resolution in agricultural environments' in Applied Nanoscience, Springer, Vol.11, Issue 7and ISSN: 2190-5517 in July 2021.
- ❖ **Dr.G.Malini Devi**, Assoc. Prof, presented papers titled
 - 'A Pragmatic Approach for Hate Speech Detection using Machine Learning' in ICCINS, NIT Raipur in March 2022.
 - 'Protection for Senile Psychosis using Natural Language Processing' in IC-CCDS and 'Knee Osteoarthritis Prediction using Machine Learning Techniques' in IC-ICN, organized by Thakur College of Engineering and Technology, Mumbai in Feb 2022.
- ❖ **Mrs.P.Sunitha Devi**, Asst. Prof, presented a paper on 'OMSST Approach for Unit Selection from Speech Corpus for Telugu TTS' in 7th International Conference on Information system design and intelligent applications at BVRITH in Feb 2022.
- ❖ **Mrs.Jayashree S.Patil**, Assoc. Prof., and **Mrs.M.Lalitha**, Asst. Prof., published a paper titled 'Assistive Interaction Using Gestures and Voice Commands' in IJR Journal, Volume XI, Issue 1, pp:103-113 in Jan 2022.
- ❖ **Mrs.N.Divya**, Asst. Prof., published a paper titled 'Analysis on the Prediction of Sales using Various Machine Learning Testing Algorithms' in ICCCI, Coimbatore in Jan 2022.
- ❖ **Mr.G.Narendrababu Reddy**, Asst. Prof., published a paper titled 'RWVO: An effective strategy for workflow scheduling in cloud computing with predicted energy using Deep Maxout Network' in EHS, Vol.8, Issue 2, ISSN:2329-8766, pp:87-102 in Dec 2021.
- ❖ **Mrs.T.Divya Kumari**, Asst. Prof., presented and published papers titled
 - 'Learning based Software Defect Prediction' in the National Conference on Recent Advances in Computing and Information Technology, organized by PSG Institute of Technology and Applied Research, Coimbatore in Dec 2021 and received **Best paper award**.
 - 'A Novel approach to detect code clones using Abstract Syntax Tree based neural network model' in GIS journal, ISSN: 1869-9391, Volume 8, Issue 12, pp: 634-647 in Dec 2021.
 - 'An approach for code suggestion via code search' in IJSER, ISSN: 2229-5518, Volume 12, Issue 12 in Dec 2021.
- ❖ **Mrs.Nanda Devi. D.R**, Asst. Prof., published a paper titled 'Automatic Question Generation System' published in IRJET, Volume 08, Issue 11, ISSN: 2395-0072, pp:375-377, IF:7.529 in Nov 2021.
- ❖ **Dr.O.Obulesu**, Assoc. Prof., published papers titled
 - 'Deep Convolution neural networks learned image classification for early cancer detection using lightweight', in Springer soft computing journal, pp: 5937-5943, ISSN: 1437-7471, Volume 26, (SCIE & Scopus Indexed), in May 2022.
 - 'The Adaptive Strategies Improving Digital Twin using the Internet of Things' in ICDIC-2021organized by Sree Vidyanikethan Engineering College, Tirupati in Dec 2021.
 - 'Adaptive Diagnosis of Lung Cancer by Deep Learning Classification Using Wilcoxon Gain and Generator', in Journal of Healthcare Engineering, Volume 2021, Article ID: 5912051, DOI: <https://doi.org/10.1155/2021/5912051>, pp: 1-13, ISSN: 2040-2309, (SCIE & Scopus Indexed), in Oct 2021.
- ❖ **Mrs.R.Mamatha**, Asst. Prof., published a paper titled 'Role of Machine Learning in Software Project Management' in Journal of Physics: Conference Series, doi:10.1088/1742-6596/2040/1/012038 in Oct 2021.
- ❖ **Mrs.Y.Sravani Devi**, Asst. Prof., published papers titled
 - 'DR-DCGAN: A Deep Convolutional Generative Adversarial Network (DC-GAN) for Diabetic Retinopathy Image Synthesis', Webology (ISSN: 1735-188X) Volume 19, Number 2 in Jan 2022.
 - 'Retinal Image Synthesis for Diabetic Retinopathy Assessment Using DCGAN and VAE Models' in IJAECs, ISSN: 2394-2835, Volume-8, Issue-10 in Oct 2021.
- ❖ **Mrs.R.Pallavi Reddy**, Asst. Prof and **Dr.N.Kalyani**, Professor, presented a paper titled 'Analysis of Eye Gaze Response to Predict Cognitive and Behavior Abilities of an Individual to Determine Developmental Disorder' in 5th International Conference on SCI-2021in September 2021 in association with Springer.
- ❖ **Mrs.Ch.Mandakini**, Asst. Prof., published a paper titled 'Facial Emotion Recognition of Multiple persons in a Live Video Stream using Deep Learning' in IJAEMA, Volume XIII, Issue VIII, ISSN NO: 0886-9367, pp:645-649, in Aug 2021.
- ❖ **Mrs.Ch.Radhika**, Asst. Prof., published a paper titled 'Cardiovascular Disease Prediction using Ensemble Techniques', in IJAEMA, Volume XIII, Issue VIII, ISSN NO:0886-9367, pp:1400-1405 in Aug 2021.
- ❖ **Mrs.T.Swapna**, Asst.Prof., published a paper titled 'Detection and Classification of Skin Diseases using Deep Learning' in IJAEMA, Volume XIII, Issue VIII, ISSN NO:0886-9367, pp:1096:1101 in Aug 2021.

- ❖ Mrs.B.Geetha Kumari & Mrs.K.Sneha Reddy, Asst.Profs., published papers titled
 - 'Detection of Malignant Things at Public Space Using Deep Learning Technique' in IJAEMA, Volume XIII, Issue VIII, ISSN NO:0886-9367, pp:1543-1549, in Aug 2021.
 - 'An Efficient Face Mask Detection Framework Using Machine Learning', in IJAEMA, Volume XIII, Issue VIII, ISSN NO:0886-9367, pp.1538-1542 in Aug 2021.
 - 'Using Machine Learning Algorithms to Analyze Visualize and Detect Crime Data in Three Dimensional Directions' in Turkish Online Journal of Qualitative Inquiry, Vol. 12 No.7, ISSN NO: 1309-6591, pp:7423-7428 in July 2021.
- ❖ Mrs.P.KeerthiChandrika, Asst. Prof., published a paper titled 'Resource integrity-aware flexible resource scaling approach over sensor-cloud' in IJP, Volume 10, Issue 2, ISSN NO: 1742:4269, pp:175-187, Index: Scopus in Aug 2021.

Workshops / Seminars/Webinars attended by Faculty

- ❖ Mr.T.Rajesh and Mrs. D.Nagaswetha, Asst. Profs, attended a 1-Week FDP on 'Smart Tools and Methodologies for Academic Research', organized by the Dept. of ECE, MGIT, Hyderabad in association with Swecha from 01/08/2022 to 05/08/2022.
- ❖ Mr.T.Rajesh and Mrs.D.Nagaswetha, Asst. Profs, attended a 1-Week FDP on 'Recent Trends in Computations' from 18/07/2022 to 23/07/2022, VIT, Pune, Maharashtra.
- ❖ Dr.O.Obulesu, Assoc. Prof, attended a 1-Week FDP on 'Frontiers of Data Science in Trending Technologies' conducted by MGIT, Hyderabad, from 09/05/2022 to 13/05/2022.
- ❖ Mrs.Nanda Devi D.R and Mrs.N.Divya, Asst. Profs, attended a 2-Day FDP on 'Ramp up on AI workflows', conducted by GNITS, from 25/04/2022 to 26/04/2022.
- ❖ Mrs.Jayashree S.Patil, Assoc. Prof, attended a 2-day workshop on 'Curriculum Framework for Implementation of NEP- 2020', organized by Institute for Academic Excellence in collaboration with Collegiate Education & Technical Education Department, Govt. of Telangana from 21/03/2022 to 22/03/2022.
- ❖ Dr.O.Obulesu, Assoc. Prof, attended a 5-Day FDP on 'Unleashing Research Potential: Global Trends and Practices', organized by Office of International Relations, Galgotias University, Greater Noida, Uttar Pradesh from 07/03/2022 to 11/03/2022.
- ❖ Mr.G.Nagababu, Asst. Prof, attended a 10-Day FDP on 'Data Science & its Applications' organized by E&ICT Academy, NIT Warangal and NIT Raipur from 10/01/2022 to 19/01/2022.
- ❖ Dr.Raghavender K.V, Dr.O.Obulesu, Dr.D.V.Lalita Parameswari, Dr.G.Malini Devi, Assoc. Profs, Mrs.R.Pallavi Reddy, Mrs.V.Divya Raj, Mr.N.Venkateswarulu, Mrs. T.Swapna, Mrs.B.Geetha Kumari, Mrs.T.Divya Kumari, Mrs.Y.Sravani Devi, Mr.G.Nagababu, Mr.T.Anil, Mrs.M.Anusha and Dr.B.Sasidhar Asst. Profs, attended a 3-Day FDP on 'Artificial Intelligence and Deep Learning' organized by Dept. of CSE, GNITS in association with Digital Track Solutions Pvt. Ltd and NVIDIA from 28/12/2021 to 30/12/2021.
- ❖ Dr.Raghavender K.V, Dr.D.V.Lalita Parameswari, Dr.G.Malini Devi, Assoc. Profs, Mrs.V.Divya Raj, Mrs.S.Sandhya and Mrs.R.Mamatha Asst. Profs, attended a 2-Day National Seminar on 'Synergizing Higher Education in the context of NEP-2020: Strategies for implementation', organized by Osmania University, Hyderabad from 22/12/2021 to 23/12/2021.
- ❖ Dr.D.V.Lalitha Parameswari, Dr.G.MaliniDevi, Assoc.Profs, Dr.B.Sasidhar, Mrs.M.Lalitha, Mrs.J.Padmavathi, Mr.N.Venkateswarulu, Mrs.P.Keerthi Chandrika, Mrs.Y.Sravani Devi, Mrs.K.Sneha Reddy, Mrs.K.Sai Madhuri, Mrs.Sesha Sai Priya, Mrs.N.Divya and Mrs.K.Gnana Prasuna Asst. Profs., attended a 10-Day FDP on 'Predictive analytics and Business intelligence' organized by Dept of CSE, GNITS in association with E &ICT Academy, Warangal from 01/12/2021 to 10/12/2021.
- ❖ Mrs.N.Divya, Asst. Prof, attended 1-Week ATAL FDP on 'Internet of Things' organized by Sree Vidyanikethan Engineering College from 25/10/2021 to 29/10/2021.
- ❖ Mrs.M.Anusha, Asst. Prof, attended
 - 1-Week ATAL FDP on 'Object Identification and Image Intelligence a Practical Approach' organized by Women's Polytechnic from 25/10/2021 to 29/10/2021.
 - A 2-Day Workshop on 'Python Programming' organized by CBIT, Hyderabad from 16/07/2021 to 17/07/2021.
 - A 5-Day FDP on 'Block chain Technology' organized by Dept. of IT, GNITS in association with TCS from 05/07/2021 to 09/07/2021.
- ❖ Mrs.Ch.Mandakini and Mrs.Ch.Radhika Asst. Profs attended a 3- Week Wipro Certified Faculty training program conducted by TalentNext from 04/10/2021 to 22/10/2021.
- ❖ Dr.O.Obulesu, Assoc. Prof, Dr.B.Sasidhar and Mrs.T.Swapna, Asst. Profs, attended a 1-Day workshop on 'ML Engineering- An exciting new field of development' conducted by TASK and INSOFE Hyderabad on 07/10/2021.
- ❖ Mrs.Ch.Swathi, Mrs.B.Geetha Kumari, Mrs.Vasundhara Ramireddy, Mr.B.Vamshi, Asst. Profs, attended a 10-Day FDP on 'Artificial Intelligence And Machine Learning : Real Time Applications' organized by Dept of ETE, GNITS in association with E &ICT Academy, Warangal from 20/09/2021 to 30/09/2021.
- ❖ Dr.N.Anusha, Asst. Prof, attended a 1-Week ATAL FDP's, SDP and Webinar on
 - 'GIS & Remote Sensing' organized by National Power Training Institute -SHIVPURI from 20/09/2021 to 24/09/2021.
 - 'Recent Trends and Applications of GIS & Remote Sensing using AI' organized by Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering & Technology from 13/09/2021 to 17/09/2021.
 - Attended 2- Week SDP on 'Recent Advancements in Cloud Computing' organized by Sathyabama Institute of Science and Technology from 31/08/2021 to 11/09/2021.
 - Attended a 3-Day Webinar on 'Bhuvan Overview' Conducted by NRSC, Hyderabad from 04/08/2021 to 06/08/2021.
- ❖ Mrs.Jayashree S.Patil, Dr.Raghavender K.V, Dr. D.V.Lalitha Parameswari, Assoc. Profs, Mrs.P.Sunitha Devi, Mrs.Ch.Mandakini, Mrs.R.Pallavi Reddy, Mrs.Bhageshwari Ratkal, Mrs.Ch.Radhika, Mrs.V.Divya Raj, Mr.T.Rajesh, Mrs.J.Padmavathi, Mrs.S.Sandhya, Mrs.R.Mamatha, Mrs. T.Swapna, Mr.Ch.Sudharshan Reddy, Mrs.D.R.Nandadevi, Mrs.D.Naga Swetha, Mrs.G.Varsha, Mr.T.Anil, Mrs.M. Anusha, Mrs.K.Gnana Prasuna, Dr.B.Sasidhar, Mrs.K.Sai Madhuri, Mrs.S.Sesha Sai Priya, Mrs.N.Divya, Ms.I.Shreya Asst. Profs, attended a 10- day FDP on 'Deep Learning and AI Applications' organized by Dept. of CSE, GNITS in association with E &ICT Academy, Warangal from 28/08/2021 to 07/09/2021.

- ❖ **Dr.A.Sharada**, Professor, **Dr.Raghavender K.V**, **Dr.O. Obulesu**, Assoc. Profs, and **Dr.G.Malini Devi**, Asst. Prof, attended a Research Webinar on '**Current Trends in Research & Innovation**' organized by IAE, Hyderabad in collaboration with Collegiate Education and Technical Education Department, Telangana State from 27/08/2021 to 31/08/2021.

- ❖ **Mrs.M.Anusha**, Asst. Prof, attended a 2-Day Workshop on '**Python Programming**' organized by CBIT, Hyderabad from 16/07/2021 to 17/07/2021.
- ❖ **Mrs.R.Mamatha**, **Mrs.T.DivyaKumari**, Asst. Profs, participated in a 40-hour Online FDP on '**Artificial Intelligence Applications in Software Engineering**' sponsored by MeitY, GoI organized by Dept. of CSE, NIT Warangal from 06/07/2021 to 14/07/2021.

CSI

Activities of Technical Associations



Computer Society of India

Stud. Branch Coordinator: **Mrs. P.Sunitha Devi**, Asst. Prof.
Faculty Advisors: **Mrs. R.Mamatha**, **K. Sneha Reddy**, Asst. Profs.,
President: **Ms. Raksha N. Pai**, IV CSE-A

11 Technical programmes were conducted by the dept. of CSE under CSI

- ❖ 3 Guest Lectures were organized for II and III B. Tech students on the following areas.
 - '**Predictive Data Analytics**' on 02/06/2022 and session delivered by **Dr.S.Ravi Kumar Raju**, Indo-French Center for the Promotion of Advanced Research, New Delhi.
 - '**Virtual Reality**' on 11/04/2022 and session was delivered by **Ms.Anupama**, Cymax Infotainment Pvt. Ltd.
 - '**Introduction to Machine Learning**' on 13/11/2021. Sessions were delivered by **Mr.Dileep Kumar**, Data Science Architect, **Intrinsic Science Labs**, Hyderabad.
- ❖ 3 Value added courses were conducted for I, II and III B. Tech students on the following categories.
 - **MERN Stack Applications Development (42 hrs)**, in association with **Brain O Vision Solutions Pvt. Ltd.**, Hyderabad from 23/3/2022 to 06/04/2022. Sessions delivered by **Sruthi Vaja** and **D.Bala**, IT specialists.
 - '**ML Applications Using IBM Cloud & Watson Studio**' (41 hrs) from 11/12/2021 to 17/12/2021. Sessions were delivered by **G.Ramya**, ML Engineer, **Jai Prakash**, Program Manager and **V.Srinivas** Head: Tech & Content, Smart Bridge Solutions Pvt. Ltd., Hyderabad.
 - '**Web Development**' (36 hrs), in association with **Brain O Vision Solutions Pvt. Ltd.**, Hyderabad from 14/08/2021 to 16/08/2021
- ❖ A Hands on session on '**AWS Introduction**' was organized for III B. Tech students on 20/11/2021. Sessions were delivered by **Mr.K.Anil Kumar**, AWS Specialist, **Leo Force A.I. Inc.**
- ❖ '**One-week International workshop on Java Programming and Android Applications**' was organized for II B. Tech students from 20/09/2021 to 25/09/2021. Sessions were delivered by Mr. Prashanth and **Mr.Madhukumar**, Industry Experts.
- ❖ '**A Session on Research Innovation and Incubation**' was organized for II and III B. Tech students on 16/09/2021. Sessions were delivered by **Mr.K.Suresh**, CEO, **CEDURA TESTSOL Pvt. Ltd.**, Hyderabad.
- ❖ Winners of various events
 - **Techquiz -2k21** conducted on 06/11/2021 for II year
 - I Prize - **S.Soumitha**, II CSE B
 - II Prize - **Soumya Mani Madhavi**, II CSE C
 - **Coding contest -2021** conducted on 28/10/2021 for III year
 - I Prize - **B.Dhanya**, **E.Vandana**, III CSE B
 - II Prize - **S.Tejaswi**, **T.Pranavi**, III CSE C



Participants in Virtual Reality



Session on MERN Stack Applications Development



ML Applications Using IBM Cloud & Watson Studio



Web Development

Online Certification Courses

- ❖ **Dr.O.Obulesu**, Assoc. Prof, completed the following courses
 - '**Getting Started with Enterprise Data Science**' and '**Improving Healthcare: The Role of Data Analytics and Data Science**' by IBM Academic Initiative on 11/05/2022.
 - NPTEL course with **ELITE** certificate on '**Introduction to Machine Learning**' in Sept 2021.
- ❖ **Dr.B.Sasidhar**, Asst. Prof, completed the course on Improving Healthcare: Artificial Intelligence by IBM Academic Initiative on 12/04/2022.
- ❖ **Mrs.V.Divya Raj**, Asst. Prof, completed Udemy course on

'**Machine Learning A-Z: Hands on Python & R in Data Science**' in April 2022.

- ❖ **Mrs.N.Divya**, Asst. Prof, completed NPTEL course on '**Web Based Technologies and Multimedia applications**' with **ELITE** certificate in Feb 2022.
- ❖ **Mrs.Ch.Radhika**, Asst. Prof, completed Coursera course on '**The impact of big data in today's society**' in Dec 2021.
- ❖ **Dr.A.Sharada**, Professor completed **AICTE-NITTT** Certification Course of '**Module-7: Creative Problem Solving, Innovation and Meaningful Research and Development**' in Nov 2021.

- ❖ Mrs.D.Naga Swetha & Mr.T.Anil, Asst. Profs, completed AICTE-NITTT Certification Courses of 'Module 2- Professional Ethics & Sustainability' and 'Module 3-Communication Skills, Modes & Knowledge Dissemination' in Nov 2021.

- ❖ Dr.N.Anusha, Asst. Prof, completed NPTEL course on 'Operating System Fundamentals' with ELITE certificate and Mrs.M.Anusha, Asst. Prof, completed NPTEL course on 'Introduction to Machine Learning' in Oct 2021.

Student Achievements

Awards

- Pushpanjali Divi (2018-2022 batch) received Young Engineer Award from GNITS, in Jan 2022.



- S.Keerthana Pravallika, IV CSE B received Young Engineer Award from GNITS, in Sept 2022.



Hackathons

- M.Suma, II CSE C participated in an International Space App challenge hackathon conducted by NASA from 16/06/2022 to 17/06/2022 and secured a medal.

Technical Quiz

- S.Deekshita, I CSE A won 2nd prize in IGNIUM 2K22 Quiz competition organized by GNITS on 18/06/2022.
- Sana Sultana, I CSE C won 1st prize in Rishi's National Level E-Quiz on occasion of 73rd Republic day conducted on 24/01/2022.
- 7 Students received Certificate of Appreciation in the National Level quiz on the occasion of National Mathematics Day organized by Rajeev Gandhi Memorial College of Engineering & Technology, Kurnool, in Dec 2021.
- 3 students completed Online assessments in HackerRank and SnackDown 2021.
- M.Sahitya Vyshnavi, II CSE A, got qualified in Round One of National Engineering Olympiad 5.0 in Dec 2021.

Online Certification Courses

- P.Pravallika, II CSE A got certificate of merit for her outstanding performance in 30 Hour Course+ 36 Hour Hackathon on MERN STACK from 23/03/2022 to 13/04/2022 organized by CSE Dept in association with Brain O Vision Solutions Pvt. Ltd.
- 126 students of I, II and III B. Tech completed certification courses under NPTEL, Google Cloud, IBM, Coursera, Udemy, Pantech E-Learning and Coding Ninjas.

Coding Contest

- V.Niharika II CSE B, secured 3rd position in the Coding Contest organized by Techno Club as part of Scheme of Promoting Interests Creativity and Ethics among Students (SPICES), AICTE in Gudlavalleru Engineering College from 28/01/2022 to 29/01/2022.

Poster/Project Presentations

- Y.Vaishnavi, II CSE C received Top Performer award by GiriScript Foundation during Uplift Project on Machine Learning in Sept 2021.

Paid Internships (2021-2022)

- Students of the department are undergoing internships in various reputed Organizations. Details are as follows:-

IV CSE (Total: 129)

S. No	Organization Name	No. of Students	Stipend/ Month.
1	Flipkart	3	Rs. 1, 00,000/-
2	Service Now	4	Rs. 70,000/-
3	Bank of America	1	Rs. 53,750/-
4	Vmware	3	Rs. 50,000/-
5	Zscaler	2	Rs. 50,000/-
6	BNP Paribas	1	Rs. 50,000/-
7	JPMC	26	Rs. 50,000/-
8	Amazon	4	Rs. 50,000/-
9	AT&T	2	Rs. 42,731/-
10	Medtronics	2	Rs. 40,000/-
11	PWC	11	Rs. 35,000/-
12	Dupont	1	Rs. 35,000/-
13	StateStreet	3	Rs. 30,000/-
14	Micron	2	Rs. 30,000/-
15	Informatica	4	Rs. 30,000/-
16	NCR	1	Rs. 30,000/-
17	IHS Markit	5	Rs. 25,520/-
18	Deloitte	10	Rs. 25,000/-
19	Novartis	6	Rs. 25,000/-
20	Telstra	7	Rs. 25,000/-
21	Zenoti	3	Rs. 25,000/-
22	ECKO Design Studio	1	Rs. 25,000/-
23	Nihira Solutions	1	Rs. 20,000/-
24	ADP	5	Rs. 20,000/-
25	DanskeIT	1	Rs. 20,000/-
26	Yellow Messenger	1	Rs. 20,000/-
27	Social Matters	1	Rs. 15,000/-
28	FORD	1	Rs. 15,000/-
29	EPAM	1	Rs. 15,000/-
30	Americ Technology Consulting Pvt. Ltd	1	Rs. 15,000/-
31	Cognizant	5	Rs. 12,000/-
32	BrightChamps	1	Rs. 10,000/-
33	Peristent Systems	3	Rs. 10,000/-
34	Loopin IT	2	Rs. 10,000/-
35	Mindtree	2	Rs. 10,000/-
36	Cloud4c	2	Rs. 10,000/-

III CSE (Total: 10)

S. No	Organization Name	No. of Students	Stipend / Month
1	Twilio	2	Rs.1,22,325/-
2	HackerRank	1	Rs. 40,000/-
3	Salesforce	2	Rs. 40,000/-
4	S&P Global	2	Rs. 20,000/-
5	IIIT Hyderabad	2	Rs. 18,000/-
6	SmartBridge	1	Rs. 10,000/-

❖ **Unpaid Internships (2021-2022)**

- Apple (11), Wipro (2), SmartBridge (1), International Model United Nations (1), Aashman Foundation (1), IIITH (1).

❖ **IGNIUM 2K22 Winners**

S.No.	Event	Date	Prize	Winners	Class
1	Paper Presentation	18/6/22	I	S Sai pallavi	II CSE B
			II	K Nagasri Ramya, Y Lalitha Akshaya	IV IT A
2	Techathon	18/6/22	I	B Laxmi Prasanna, M Gayathri	I IT A
			II	T Jayasree Tarini Priya, T Vaishnavi	I CST
3	Escape rooms 3.0	18/6/22	I	K Jayasri Vaishnavi, G Manaswini	I CSE A
			II	G Maneesha, Y Sameeksha	II CSE C, II CSD
4	Tech Whiz	18/6/22	I	A Rishika, K Samhitha	IV CSE B
			II	Y Sai Santhoshi, Asma Khanam Patan	
5	Poster Presentation	18/6/22	I	C Keerthana, N Shivani	I CSE C
			II	A Vasundhara, Ch Poojitha	

❖ **Student Publications**

M.Tech.

S.No	Student Name	Internal Guide	Title	Conference/Journal
1	Simi Sanya	Dr.M.Seetha, Professor & Head	Detection of Ocular Diseases using Ensemble of Deep Learning Models	IJERT, ISSN: 2278-0181, Vol: 10, Issue: 09, in Sept 2021.
2	B.Amrita	Dr.N.Kalyani, Proessor	Early Screening of Autism Among Children using Ensemble Classification Method.	DOI:10.1109/ICAC3N 53548. 2021.9725586 IEEE - ICAC3N-21, Dec 2021.
3	A.Mamatha	Dr.A.Sharada, Professor	COVID-19 Detection Using Different Types of Machine Learning Algorithms and Clinical Data	ICACET at Aditya College of Engineering & Technology, Oct 2021
4	S. Sai Shishira	Mrs. Jayashree S.Patil, Assoc. Prof	Detection of Illicit Messages in Twitter using Support Vector Machine and VGG16	IT in Industry, Vol. 9, No.3, and ISSN: 2204-0595, Index: WoS, Aug 2021.
			Predicting Crime Rate in India Using Deep LearningTechnique	IJAEMA, Volume XIII, Issue VII, July/2021ISSN No:0886-9367
5	A.Pranitha	Dr.D.V.Lalitha Parameswari, Assoc. Prof	River Classification for Remote Sensing Imagery using SVM	IJERT, ISSN: 2278-0181, Vol: 10, Issue: 09, in Sept 2021.
6	Zeba Naaz	Dr.G.Malini Devi, Assoc. Prof	River Network Classification from Multi-Spatial Satellite Imagery using Random Forest	IJERT, ISSN: 2278-0181, Vol: 10, Issue: 09, in Sept 2021.
7	P.Sreevani	Mrs. P.Sunitha Devi, Asst.Prof	Comparison of Deep Neural Network Models of Face Mask Detection in Multi-Angle Head Pose	IJERT, ISSN: 2278-0181, Vol: 10, Issue: 09, in Sept 2021.
8	T.Supriya	Mrs.Ch.Mandakini, Asst.Prof	Detection of Image Splicing Forgery using Deep Convolutional Neural Networks	ICACET at Aditya College of Engineering & Technology, Oct 2021
9	Mohammad Ulfath	Mrs.R.Pallavi Reddy, Asst.Prof	Prediction and Analysis of Vitamin D Deficiency Using Machine Learning Algorithms	5th International Conference on SCI in Sept 2021 in association with Springer
10	G.Bhargavi	Mrs.Ch.Radhika, Asst.Prof	Plant leaf diseases detection and classification using deep learning techniques	ICACET at Aditya College of Engineering & Technology, Oct 2021

B.Tech.

- ❖ **V.Niharika** II CSE-B secured **1st position** in the **Paper Presentation** organized by Techno Club as part of Scheme of Promoting Interests Creativity and Ethics among Students (SPICES), AICTE in Gudlavalleru Engineering College from 28/01/2022 to 29/01/2022.
- ❖ **K.Sahithi, K.Abhigna Reddy, S.Supriya** and **M.Ramyasri,**

I CSE B secured **Second Best Research Paper Award** in the 4th Pure Earth Environment Conference organized by pure earth foundation on 07/05/2022.

- ❖ **E.Himaja** and **G.Tharunya Varma**, II CSE A, presented a paper titled '**Signature Verification by Graph Theory**' in ICRDMMS organized by Calcutta Mathematical Society, Kolkata in Dec 2021.

- ❖ **S.Tejaswini** and **A.Sai Sriyam**, II CSE A, presented a paper titled '**Machine Learning Algorithms-The Effect of Training and Testing Process**' in ICRDMMS organized by Calcutta Mathematical Society, Kolkata in Dec 2021.
- ❖ **M.Sindhuja**, II CSE A, presented a paper titled '**Game Theory-Minimax Algorithm**' in ICRDMMS organized by Calcutta Mathematical Society, Kolkata in Dec 2021.
- ❖ **G. Sravani**, II CSM presented a paper titled '**Mathematical approach for Cryptography**' in ICRDMMS organized by Calcutta Mathematical Society, Kolkata in Dec 2021.

Extra-Curricular Activities

- ❖ **K.Ishita**, II CSD secured **runner up** in '**Creating Vintage aesthetic MoodBoard**' category for the event New-age Nostalgia hosted by **Rotaract club** of GNITS in Jan 2022.
- ❖ **K.Joy Princy**, II CSM received II Prize in essay Competition and **P.Alekya Reddy**, II CSM received II Prize in Art Competition on the occasion of '**National Harmony and campaign week and Flag day**' organized by GNITS in collaboration with National Foundation for Communal Harmony(NFCH) in Dec 2021.
- ❖ **7** students from II CSM participated at the **GNITS MUN 2021** on behalf of different countries in Nov 2021.
- ❖ **Komal Jain**, **I.Shivani**, **M.Sai Divya**, **Alekya Reddy**, **G.Sukanya Devi** and **A.Aarthi** II CSM presented a paper in the **3rd Pure Earth Environment Conference organized by Pure Earth foundation**, Hyderabad in Nov 2021.
- ❖ **O.Soumya Mani Madhavi**, II CSE C was shortlisted in **Voice of Hyderabad 5.0** in Nov 2021.
- ❖ **P.Shivani** and **G.Charishma**, II CSE A participated in the debate conducted by AARAMBH GNITS.

GRE/TOEFL/IELTS/ESOL scores of 2017-2021 batch students

- ❖ **GRE/340**: K.Venkata Srihitha (327), Anjali Reddy (326),

B.Shethala (326), Sai Shravani (323.5), N.Susmitha (323), M.Sandhya (323), Varshini(323), G.Varshini (323), G.Akshitha Reddy (322), M.K.Namratha (322), P.Vidhyavathi (322), A. Shravani(321), L.Bhavani(321), P.Bhavani(320), K.Harika (319), Y. Akshara (313), M.Sujitha (312), B.Ruchira (311), Apurva (310), Ch.Charvi Reddy (302), A.Bhavana (302), D.A.Vineela (291), K.M.Niharika(222).

- ❖ **IELTS/9.0**: N.Susmitha (8), N.Vyshnavi (7.5), Shreya reddy (7.5), M.Sujitha (7.5), Akhila (7.5), Anjali Reddy (7), Sanjana Reddy (7), Manogna Narayanam (7), G.Harshitha (7), A.Bhavana (7), L.Bhavani (7), M.Niharika (7), K.Venkata Srihitha (6.7), G.Varshini (6.6), Y.Akshara (6.5), M.Sai Shravani (5.5).

- ❖ **DUOLINGO**: B.Shethala (130), P.Vidhyavathi (125), G.Akshitha Rao (125).

GRE/TOEFL/IELTS/ESOL scores of 2018-2022 batch students

- ❖ **GRE/340**: M.Ashna Reddy (327), Ch.Brahmani (326), V.Sai Charani (326), Ch. Ramani (326), N.Sirisha (325), M.Rishika Reddy (321), S.Dijanjali (320), Sai Sathiwaka (318), K.Pranavi (318), V.Pranavi (318), Rishwii Reddy (316), A.Keerthana (313), L.Himaaditi (311), K. Sahithi (309), D.Sahithi (309), N. Godha (308), Pranjali Bhatt (304), C.Avyaktha (209).

- ❖ **IELTS/9.0**: Ch.Brahmani (8), D.Pushpanjali (7.5), N.Sirisha (7.5), A.Keerthana(7.5), Rishwii Reddy (7), M.Sony(7), Ashna Reddy (7), M.Rishika Reddy (6.5), J.Swarupa(6.5), N.Sowmya (6.5), M.Sai Sathiwaka (6.5), L.Himaaditi (6), N.Sankeerthana (6).

- ❖ **TOFEL/120**: Pranjali Bhatt (101), K.Sahithi (87).

Academic Toppers

IV B.Tech.				III B.Tech. I Sem		III B.Tech. II Sem	
							
Mrab Fatima SGPA-9.71	J.Sushma SGPA-9.7	A.Nikitha SGPA-9.7	B.Naimsha SGPA-9.7	B.Tharuni SGPA-9.85	E.Vandana SGPA-9.8	N.Roshini Reddy SGPA-10	M.V.N Sai Priya SGPA-9.85
II B.Tech. I Sem				II B.Tech. I Sem			
							
P.Gayatri SGPA-9.85	S.Tejaswini SGPA-9.85	K.Arthi SGPA-9.85	N.Spandana SGPA-9.85	A.S.Meghana 10 SGPA	N.Kusuma 9.85 SGPA	K.Bhuvaneshwari 9.85 SGPA	M.Arusha 9.85 SGPA
II B.Tech (CSM), I Sem							
							
S.Hima Varsha 9.85 SGPA	S.Vineela 9.85 SGPA	K.Joy Princy 10 SGPA	P.Dharani 10 SGPA	T.Manasa 10 SGPA	B.Niveditha 9.85 SGPA	G.Sekanya Dew 9.85 SGPA	N.Sanjana Grace 9.85 SGPA

II B. Tech (CSD), I Sem								
								
Y.S.R Varshitha 9.85 SGPA	K.Jain 9.85 SGPA	R.Shodhana 9.85 SGPA	G.Poojitha 9.93 SGPA	C.Shreya 9.85 SGPA	E.Kartheesha 9.85 SGPA	G.Meghana 9.85 SGPA	V.Keerthi 9.85 SGPA	A.Nisha 9.85 SGPA
II B. Tech, II Sem				II B. Tech(CSM), II Sem				
								
G.Prathyusha 9.65 SGPA	G.Tharunya 9.65 SGPA	S.Srikeerthi 9.56 SGPA	B.Niveditha 9.56 SGPA	G.Sravani 9.56 SGPA	D.Nikhitha 9.56 SGPA	K.Joy Princy 9.56 SGPA	P.Dharani 9.56 SGPA	A.Aarthi 9.41 SGPA
II B. Tech (CSD), II Sem								
								
G.Sukanya Devi 9.41 SGPA	R.Shodhana 9.41 SGPA	S.Srida Sree 9.41 SGPA	E.Kartheesha 9.7 SGPA	G.Meghana 9.7 SGPA	A.Shwani 9.56 SGPA	G.Poojitha 9.56 SGPA		
II M.Tech, II Sem		I M.Tech, I Sem						
								
J.Manasa 9.6 SGPA		Neta Tarneer 9.1 SGPA						

Research & Development Cell

Department Coordinators

Dr. A Sharada, Professor, CSE

Dr. Renuka Methre, Professor, ECE

Dr. P Rama Krishn Reddy, Professor, EEE

Dr. Rajkumar L Biradar, Professor, ETE

Dr. V Supriya, Assoc Professor, IT

Dr. N.V.S.L Narasimham, Assoc. Prof, HM

Dr. S. Uday Bhaskar, Assoc. Prof,



Dr. Nara Kalyani, Professor CSE
R & D Central Coordinator

- ❖ Three Research Centers affiliated to JNTUH have been established in the departments of CSE, ECE and EEE since the academic year 2022-23.
- ❖ A proposal titled 'Low Cost Mechanism for Early Detection of Eye Diseases in Elderly' worth Rs.37,00,410/- Lakhs was granted under DST-TIDE program to CSE Department.
- ❖ A proposal titled 'Portable Retinal Imaging Device for early detection of eye disease' worth Rs.21,14,309/- Lakhs was granted under DST-DDP scheme to CSE Department.
- ❖ AICTE Grant for Conference was sanctioned to CSE department with a grant of Rs. 3,66,700 to organize an international conference scheduled during 18th & 19th of November, 2022 as part of Silver jubilee celebrations.
- ❖ AICTE-SPICE scheme was sanctioned with a grant of Rs. 1,00,000 to organize events to students.
- ❖ 8 patents were published and 2 are with grant status since November 2021 till date.
- ❖ Total faculty publications for the academic year 2021-22 are 51 in Scopus, Web of Science, Springer and UGC care journals.
- ❖ Two sessions were organized for faculty on preparing the research proposals.
- ❖ Five proposals were submitted to SERB SURE scheme (CSE-3, IT-1, ECE-1).
- ❖ Three proposals were submitted by CSE department to SERB power grant scheme.

Research is to see what everybody else has seen, and to think what nobody else has thought



Electronics & Communication Engineering

Dr. B. Venkateshulu Professor & Head

Dr.B.Venkateshulu obtained Ph.D from JNTU Hyderabad. He has a rich teaching experience of over 30 years & worked in prestigious Engg. Colleges. He has 27 papers published in International, National journals and listed in the IEEE conference proceedings and scopus indexed journals, delivered guest lectures at Wipro, Virtusa etc. He was the placement officer in GNITS during 2012-15, conducted 'Design of Small Satellites' in association with Engg. Staff College of India and Institution of Engineers, played a keyrole in two research based labs with HFSS software and Texas Instruments based Innovation center in the field of Internet of things and embedded system, MoUs with Navstar Integrated systems and Big Wig Technologies for consultancy project. He guided a project which bagged 17 Lakhs prize money in International Hackathon. He has authored two research based books and 2 lab primers. He has 4 patents filed. He got the sanction of 33 lakhs from AICTE funds for the state of art technology based 2 x 2 MIMO and Vector Network Analyzer equipment in the Center of Excellence of Antenna Radiation Pattern Analysis, Convener for ECE Dept. for International Conference in GNITS conducted during 2019-20 and 20-21, was part of the team for developing consultancy project on sanitizer. He established ECE Dept. as the nodal center for the outreach program under IIRS of ISRO was Instrumental in getting 4 MOUs in 21-22 Academic Year and coordinating the College Research Affiliation program with IIITH.

Department Vision

ECE dept. envisions to develop high quality and technically competent women engineers who can address the growing challenges in the modern world with a keen sense of social responsibility.

Department Mission

- ❖ Knowledge Based Engineering Education (Quality)
- ❖ Analysis and Design Skills with Modelling Potential, Technical Competence
- ❖ Industry Compatibility and Women Empowerment with Societal Commitment
- ❖ Professional Career Growth with Values and Ethics

Program Educational Objectives (PEOs)

PEO 1: To impart the knowledge of basic sciences, Mathematics and programming skills in solving various Engineering problems pertaining to the field of Electronics and Communications

PEO 2: To train the students in analyzing, designing and imparting research based knowledge and acquainting them with modern scientific tools

PEO 3: To create professional, ethical environment and to inculcate effective communication skills.

PEO 4: To encourage team work and interdisciplinary ideas benefiting the society

PEO 5: To motivate students to be independent with a desire for lifelong learning and adapt to the changing professional needs.

Highlights of the Department

- ❖ Research Center sanctioned by JNTUH to guide Ph.D scholars
- ❖ 13 Awards /Appreciations received by faculty.
- ❖ 20 Research papers published.
- ❖ 34 Faculty Development Programs attended by faculty.

- ❖ 3 Faculty Development Programs conducted by the dept.
- ❖ 2 patents (one granted and one published)
- ❖ 3 books written by faculty.
- ❖ 4 MoUs with Industry/Higher Academic Institutions (NITW & IIITH).
- ❖ 97.5% Eligible students got placed in top MNC's and total multiple offers 363 for the year 2021-2022.
- ❖ Developed **Bus Tracking System** software in place of commercial software in association with IIITH saving the expenditure.
- ❖ Collaborative Research and training with IIITH is under progress.
- ❖ 41 students attended **College Research Affiliate Program teaser program** at IIIT Hyderabad.
- ❖ 20 Students attended a workshop on Introduction to IoT and OM2M in IIITH.
- ❖ Installed **Air Pollution Monitoring Systems** in campus and pollution levels monitored through AirIoT Dashboard developed by IIITH.
- ❖ 16 faculty are pursuing Ph.D and 1 faculty submitted thesis.
- ❖ 2 Technical Staff attended **AICTE** sponsored Professional Development Programme.
- ❖ 67 single offers received by the current IV year students for the ongoing year 2022-2023.
- ❖ 1 M.Tech student got internship in **AMD Company** with a stipend of **Rs. 45,000** per month.
- ❖ 114 B.Tech students got internships in various organizations for the year 2021-22.
- ❖ 157 students attended webinars, 47 students participated in various extra-curricular events and 36 students completed various courses conducted by **NPTTEL**, **Coursera** etc.
- ❖ 93 students participated and secured prizes in **Hackathons** conducted by various organizations.
- ❖ 34 students got admission letters from various universities and colleges across the Globe for higher studies for the Academic Year 2021-22.
- ❖ 30 students participated in **Coding challenges and Quiz competitions**.
- ❖ 18 students got qualified in **GRE/GATE/IELTS/ TOEFL/ NMAT**.
- ❖ 16 students were selected for free training in core company **Unistring Technology Services, Hyderabad**.
- ❖ 11 UG & 5 PG students published papers in International Journals.
- ❖ 6 students got shortlisted for the Grand Finale of '**Smart India Hackathon 2022**'.
- ❖ 2 students successfully completed **We-Alpha Program** (WE HUB - Govt. of Telangana).
- ❖ 1 student won second position in E-lympics during E-Summit 2022 conducted by Entrepreneurship Cell, IIT Madras.

Newly joined Faculty

Mr. G. Krishna Kishore joined on 02/05/22 as Asst. Prof. in the ECE Dept. He is pursuing Ph.D. from GITAM University, Vizag.

Workshops Conducted by the Department

- 1) Conducted an online Faculty Development Program on '**Deep Learning and Machine Learning in Biomedical Signal Processing**' in association with E&ICT Academy, NITW, Telangana from 23/8/21 to 3/9/21 coordinated by

Mrs. A.Sarada, Asst. Prof. The resource persons of the FDP were eminent persons from NITW, ISI Kolkata in order to familiarize the faculty and research scholars with Machine Learning Algorithms in addressing acute clinical problems and disease prediction leading to significant solutions to chronic problems in healthcare systems. The main intention of the FDP was to introduce the participants about **Deep Learning and Machine Learning Algorithms and their applications** in solving crucial and critical health care problems in the field of Biomedical Signal Processing like Breast Cancer detection and diagnosis, ECG and EEG signal processing etc. **56** members have participated in the Workshop.



Participants attended for the Valedictory in 'DL & ML in BMSP' FDP



Inauguration during 'DL & ML in BMSP' FDP

- 2) Conducted an online Faculty Development Programme on '**Optimization in Communication Engineering**' in association with AICTE-ISTE Induction /Refresher Programme from 22/12/21 to 29/12/21 coordinated by **Dr.C.Padmaja**, Asst. Prof. The program is designed in such a way that the participants are exposed to theoretical developments in the field of optimization and also learn about the practical applications in diverse areas by eminent resource persons from IIT's, NIT's, IIITH, SAU, MNIT's, NITTTRC, Nokia Network. The objective is to highlight the importance of Optimization with special emphasis on their applications in the field of communication and to help the participants to learn right tools and techniques in framing the optimization problem. **54** participants have participated in the Workshop.

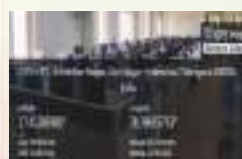


Keynote Session by Chief Guest: Col. Prof. Vijay D. Vaidya., Executive Secretary, ISTE

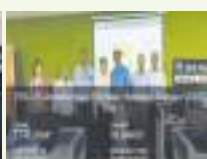
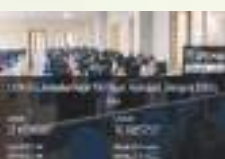


Participants in 'Optimization in Communication Engineering' FDP

- 3) Conducted two day Faculty Development Programme on '**Value Added Course on AI work flows**' in collaboration with Mathworks & Capricot Technologies Pvt. Ltd from 25/04/22 to 26/04/22 coordinated by **Mrs.M.Madhuri Latha**, Asst. Prof. The eminent resource persons from Mathworks and Capricot Technologies Pvt.Ltd are invited to deliver the lectures on the basic concepts of Machine Learning, Artificial Intelligence



Participants in 'Value Added Course on AI workflows' FDP



Group photo with Resource Persons of 'Value Added Course on AI workflows' FDP

and Deep Learning using MATLAB software. Around **77** participants have participated in the Workshop.

Faculty Achievements

Dr.B.Venkateshulu

- ❖ A proposal submitted to RES-NRSC-2022-013 '**Crowd sourcing for landslide inventory using IoT**'.

Dr.P.V.D.Somasekhar Rao

- ❖ Received **Illustrious Alumnus Award 2022** from Sri Venkateswara University College of Engineering, Tirupati for the contribution to Engg.Technology, Society and Mankind presented by S.V.University VC Dr. Raja Reddy on 20/8/22.

Dr.K. Ragini

- ❖ Published a patent on '**Design of high speed approximate redundant binary multiplier using 4:2 5:2 & 7:2 compressors**' on 20/8/2021. External Supervisor for the Ph.D scholar. Received SPOC Certificate of Appreciation from NPTEL Local chapter for 2021 July-Dec-2021 and 2022 Jan-April. Won Best Paper Award for '**Design and Analysis of Reversible Random Access Memory**' on 28/08/21 at CBIT, Hyderabad. Conducted a one-day online FDP on '**Effective Teaching Methodologies**' on 22/01/22 for newly joined faculty.

Dr. Renuka Devi SM

- ❖ Completed 12 weeks NPTEL Course on '**Deep Learning**' with Elite certificate. Applied for **23 lakhs** funding (AICTE & ISRO) Member in SLATE'22 of Women in Engineering IEEE Hyderabad Section. Session Chair at the ACAITPR-22. Senior IEEE Member, Fellow IETE.

Dr.Swapna Raghunath

- ❖ Coordinator for Workshop on '**Intellectual Property Rights (IPR) - Patent & Designs process**' on 17/06/2022 with Rajiv Gandhi National Institute for IPMR. Reviewer for IEEE Transactions on Geoscience and Remote Sensing, IEEE Journal JSTARS. Received **GNITS STAR women of the year - 2022**. Received an award for Excellence in Research.

Dr.M.Vijaya Lakshmi

- ❖ Received **Best Researcher Award** on 24/04/22. Written two books titled 1. Advanced Optical Communication Systems and Networks 2. Wireless Sensor Networks Principles.

Dr.C.Padmaja

- ❖ Received '**Outstanding Woman Researcher**' in Wireless Communications on 05/03/22 and **Dr. Sarvepalli Radha krishna Best Teacher Award** on 05/09/21. Conducted 6 days AICTE-ISTE sponsored refresher program on '**Optimization in Communication Engineering**' during 22/12/2021 to 29/12/2021. Published a book '**Analog and Digital Communication: An Introduction**', Completed 5 AICTE Modules on 01/03/22 on teaching methodologies.

Mrs.A.Deepthi

- ❖ U.S patent granted on '**AI-driven self-adapting micro-electronic circuits**' (Grant number - 11416664).

Mr.Y.Rakesh Kumar

- ❖ Received '**2nd best IETE student forum(ISF) coordinator Award**', 2020-21 and '**Best Senior Faculty Award**' during 2020-21.
- ❖ **Mrs.P. Sripadma** Got Ph.D. admission in JNTUK on 30/4/2022.
- ❖ **Mrs. GVNSK Sravya and Mrs. P.Roopaa Ranjani** Completed AICTE sponsored one Module on teaching.
- ❖ **Ms. Ch. Anusha** Received **Best Women Faculty Award-2022** from IJMTST Excellence Awards 2022, successfully completed 12 Weeks NPTEL course on '**Fundamentals of Artificial Intelligence**'.
- ❖ **Mrs. K.Swathi** Received **Young Scholar Award**, 2022.

- ❖ Mrs.P.Lavanya Recognized as NPTEL Discipline Star during Jan-Apr 2022.

Faculty Publications

- ❖ Dr.B.Venkateshulu presented and published a paper entitled 'LoRa Based Smart City (Long Range)' in 'International conference on Technologies for Smart Green connected societies 2021', SCOPUS from 29/11/21 to 30/11/21. Published a paper entitled 'Integrated Approach to clean and green environment estimation' in IJRASET, Vol:9, Issue:VIII, pg:2123, ISSN:2321-9653, Aug 2021.
- ❖ Dr.K.Ragini has presented and published a paper entitled 'Design of High Performance Approximate Redundant Binary Multiplier using 4:2 & 5:2 Compressors' in ICSVCE-2021 (AIP Conference Proceedings) SCOPUS, 978-0-7354-4165-1, on 01/12/21. Published a paper entitled 'Design of 32x32 Reversible Unsigned Multiplier Using Dadda Tree Algorithm' in 'The Electrochemical Society' on 03/05/22.
- ❖ Dr.Swapna Raghunath has published a paper entitled 'Role of National Education Policy in Sustainable India – A Hope for Future Generation' in 'International Journal for Innovative Engineering and Management Research', Vol:10, Issue: 9, Pg: 264-271, ISSN: 2456-5083, Sep 2021.
- ❖ Dr.C.Padmaja has presented a paper entitled 'Data Transmission through Li-Fi in Underwater' in 'International Conference - organized by IETE Chennai Centre from 20/05/22 to 21/05/22.
- ❖ Mrs.A.Deepthi has presented and published an IEEE international conference paper 'Fast and efficient ResNN and Genetic optimization for PVT aware performance enhancement in digital circuits' at '2022 International Symposium on VLSI Design, Automation and Test (VLSI-DAT)', Hsinchu, Taiwan.
- ❖ Mrs.N. Krishna Jyothi and Ms.Ch. Anusha Published a paper entitled 'Horn shaped SIW Antenna for 5G Applications' in 'IJRTI', Issue:6, Vol:7, Pg:2049-2054, ISSN:2456-3315, July 2022. Published a paper on 'A novel non-invasive measurement of endosperm in tender coconut using microwave' in 'IJEAT', 2021, Vol.:6, Issue:8, Pg:240-243, ISSN:2455-2143. (Google Scholar)
- ❖ Mr.P.Satyanarayana Goud has published a paper entitled 'Analysis of ECG signals using Frequency and Time domain features with SVM' in 'Design Engineering', Issue:9, Pg:14276-14293, ISSN:0011-9342, SCOPUS, Dec 2021.
- ❖ Mrs.Sujatha Alipuram has published a paper entitled 'Performance Analysis of a MIMO System with Bursty Traffic in the presence of Energy Harvesting Jammer' in 'IEEE Transactions on Green Communications and Networking', Vol:6, Issue:2, Pg:1157-1172, ISSN:2473-2400, SCI.
- ❖ Mrs.M.Madhuri Latha has presented and published a paper entitled 'Beam formed Energy Detection in the Presence of an Interferer for Cognitive mmWave Network' in '2021 IEEE 94th Vehicular Technology Conference (VTC2021-Fall)', 27/09/21 to 30/09/21.
- ❖ Mr.Y.Rakesh Kumar published a paper entitled 'Comparative Analysis of Image Segmentation Methods for Mushroom Diseases Detection' in '5th ICSCSP' organized by MRCET, Hyderabad, from 24/06/22 to 25/06/22. (Springer)
- ❖ Mr.Y.Prakash has published a paper entitled 'An Enhancing Health care with Li-Fi Kit using IoT' in (IJCRT)'Vol:10, Issue:2,ISSN:2320-2882,February 2022.
- ❖ Ms.Ch. Anusha has participated and presented a paper titled 'Performance Analysis of OFDM-IM Using DLD' in 'Sixth ICTCS 2021 held from 17/12/21 to 18 /12/21.
- ❖ Mrs.E.V.S.S.Vyshnavi has published a paper entitled 'Comparative Analysis of TCP Congestion Control Algorithms using Netsim' in 'GIS Science Journal', Vol:9, Issue:3, ISSN: 1869-9391, March 2022.
- ❖ Mrs.P.Roopaa Ranjani and GVNSK Sravya have published a paper entitled 'AES algorithm for secure ECG signal Transmission' in 'GIS Science Journal', Vol:9, Issue:7, ISSN: 1869-9391, July 2022.
- ❖ P.Lavanya, GVNSK Sravya, N.Harini have published a paper entitled 'Smart Queue Monitoring BOT' in 'Journal of Interdisciplinary Cycle Research', Volume: XIV, Issue: II, ISSN NO: 0022-1945, February 2022.
- ❖ N.Harini, P.Lavanya, GVNSK Sravya have published a paper entitled 'High Security Locking System Using Arduino' in 'JICR', Volume: XIV, Issue: II, ISSN: 0022-1945, February 2022.
- ❖ Mrs.K.Swathi, Mrs.G.Madhavi, Mrs.P.Madhuri have published a paper entitled 'IOT based Agri-Bot for Seed Sowing, Smart Leaf Infection Identification and Fertilizer Spray' in 'GIS Science Journal', Vol:9, Issue:5, ISSN: 1869-9391, 2022.

Workshops/ Seminars / FDPs attended by Faculty

- ❖ Dr.K.Ragini has completed online FDP on 'Introduction to Low Power VLSI Design and Applications' Sponsored by MeitY, Gol organized by department of ECE & EICTNITW from 23/12/21 to 03/01/22.
- ❖ Dr.Renuka Devi SM has attended an online FDP on 'National level workshop on Curriculum framework 2022 for Universities, Engineering Colleges and Degree Colleges' in 'Institute for Academic Excellence, Hyderabad' from 21/03/22 to 22/03/22.
- ❖ Mrs.A.Deepthi participated in 'Google Research Week' from 08/02/22 to 11/02/22.
- ❖ Mrs.N. Krishna Jyothi has completed Udeemy sponsored '2022 complete python bootcamp from zero to hero in Python' on 28/07/22. Participated & Completed successfully 40 hour online FDP on 'Recent trends in Antenna design and Applications', from 06/12/21 to 15/12/21, NITW.
- ❖ Mrs.P.Roopaa Ranjani has attended one week online FDP on 'Emerging Issues of VLSI Design' in 'ITM university, Gwalior' from 22/11/21 to 26/11/21.
- ❖ Mrs.P.Lavanya and Mrs.N.Harini have attended an online FDP on 'Applications of Signal Processing and Computer Vision using MATLAB' in 'G.Pulla Reddy Engineering College', Kurnool, from 07/03/22 to 11/03/22.
- ❖ Mrs.P.Lavanya has attended an online NPTEL FDP on 'Cloud Computing' from Jan-April, 2022.
- ❖ Dr.C.Padmaja has attended an online NPTEL FDP on 'Fundamentals of MIMO wireless communications' from Jan-March, 2022. Attended an online FDP on 'Optimization Onramp', MathWorks Training on 25/12/2021.
- ❖ Dr.C.Padmaja and Mrs.GVNSK Sravya have attended an online FDP on 'Visual Cognition' at 'National Institute of Technical Teachers Training & Research, Chandigarh' from 04/10/21 to 09/10/21.
- ❖ Mrs.Sujatha Alipuram has attended an online FDP on 'Guide to reference managers: How to effectively manage your references' from ELSEVIER on 26/02/22. Attended online FDP on '10 tips for writing a truly terrible journal article' from ELSEVIER on 26/02/22.
- ❖ Dr.C.Padmaja, Mrs.A.Sujatha, Mr.B.Sreekanth, Mrs.K. Swathi, Mrs.N.Harini, Mr.C.Sridhar Babu, Mrs.GVNSK Sravya, Mrs.P.Roopaa Ranjani, Mrs.M.Bhavana, Mrs.EVSS Vyshnavi and Ms.Ch. Anusha have attended online FDP on

'Optimization in Communication Engineering' at GNITS, from 22/12/21 to 29/12/21.

- ❖ Mrs.P.Lavanya and Mrs. G.Madhavi have attended an online FDP on 'Predictive Analytics and Business Intelligence' at GNITS, Hyderabad, Telangana, from 01/12/21 to 10/12/21.
- ❖ Mrs.P.Lavanya and Mrs.M.Bhavana have attended an online FDP on 'Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies' at GNITS, from 06/09/21 to 16/09/21.
- ❖ Mrs.M.Madhuri Latha, Mrs.M.Bhavana and Mrs.EVSS Vyshnavi have attended an online FDP on 'Artificial Intelligence and Machine Learning: Real time Applications' at GNITS, from 20/09/21 to 30/09/21.
- ❖ Mrs.A.Sarada, Mrs. GVNSK Sravya and Mr. P.Satyanarayana Goud have attended an online FDP at GPREC, Kurnool, on 'Practical Exposure on Machine Learning and Data Science' from 13/09/21 to 18/09/21.
- ❖ Mrs.M.Shanthi has attended an online FDP on 'Signal Processing and Machine Learning towards Engineering Applications' at NERIST, Nirjuli, Itanagar from 23/08/21 to 27/08/21.
- ❖ Dr.G.Srivalli, Mrs.B.Tulasi Sowjanya, Mrs.P.Sri Padma, Mr. Ch.Hari Prasad, Mr.B.Sreekanth Reddy, Mrs. A.Deepthi, Mrs. T.Srilatha, Mrs.M.Lakshmi, Mr.V.Shankar, Mr.C.Sridhar Babu, Mrs.P.Roopa Ranjani, Mr.P.Satyanarayana Goud, Mr.Y. Prakash have attended an online FDP on 'Deep Learning and Machine Learning in Biomedical Signal Processing' at GNITS, from 23/08/21 to 03/09/21.
- ❖ Ms.Ch.Anusha has participated and completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on 'Machine Learning Algorithms for 5G Mobile Networks' from 04/10/21 to 08/10/21 at Indian Institute of Information Technology Design and Manufacturing Kancheepuram. Participated & Completed successfully ATAL Academy Online Elementary FDP on 'Challenges in adapting Machine Learning towards 5G/6G Communications', from 09/08/21 to 13/08/21, VNRVJIT.
- ❖ Mrs.GVNSK Sravya has attended an online NPTEL FDP on 'Micro Electronics Devices to Circuits' from July-Oct, 2021. Participated & completed successfully ATAL Academy Online Elementary FDP on 'Applications of Remote Sensing and GIS' from 27/12/2021 to 31/12/2021 at Deenbandhu Chhotu Ram University of Science & Technology, Murthal. Participated ATAL Academy Online Elementary FDP on 'Explainable Artificial Intelligence and the Future' from 20/12/2021 to 24/12/2021 at IIIT, Kota.
- ❖ Mrs.N.Harini has attended an online NPTEL FDP on 'Fundamentals of AI' from July-Oct, 2021. Completed online course on 'Basics of Machine Learning' from Great Learning Academy in March, 2022, online course on 'Python fundamentals for beginners', 'Cloud Foundations' in April, 2022, online course on 'Cloud Foundations-Advanced' in June, 2022.
- ❖ Mrs.Divya Devarajan attended an online NPTEL FDP on 'Machine Learning' from Feb-April, 2022.
- ❖ Mr.R.Pavan Kumar attended AICTE sponsored professional development program on 'Effective Administration in Academic Institutions' from 23/5/22 to 4/6/22.
- ❖ Mrs.G.Radhika attended AICTE sponsored professional development program on 'Skill Development for Laboratory Technicians' from 6/6/22 to 20/6/22.

NPTEL Courses by Faculty

- ❖ 8 Faculty Dr.Renuka Devi S.M (Elite), Dr.C.Padmaja, V.Radha Krishna (Elite for two NPTEL courses), P.Sri Padma, N.Harini (Elite+Silver), GVNSK Sravya, P.Lavanya (Elite), Ch.Anusha (Elite) successfully completed NPTEL online courses.

ECE Cultural Association

Faculty Coordinator: Mrs. N.Harini, Asst. Prof.

ECE Cultural Association encourages the students to showcase their extra-curricular interests and gives an opportunity to exhibit their all-round performance. A number of events have been planned, organized and successfully completed.



- ❖ On 27/11/21 two events 'JAM' and 'APTITUDE TEST' were conducted for B.Tech and M.Tech with 32 and 211 participants respectively. The winners of the event 'JAM' are Snigdha (18251A04B0)-Prize I, V.Richa (20251A04H7)-Prize II, N.Uttara (19251A0440)-Prize III. The winners of the event 'APTITUDE TEST' are K.Akhila (18251A0473)-Prize I, Snigdha Pannir (18251A04B0)-Prize II, B.Keerthana (19251A0467)-Prize I, G.Chaitanya (19251A0475)-Prize II, M.Shravani (19251A04H2)-Prize II, G.Krishna Haneesha (20251A0410)-Prize I, K.Varsha (20215A0460)-Prize II, Nidhi Jaiswal (212510B101)-Prize I from M.Tech.
- ❖ On 04/12/21 two events namely 'SINGING' and 'DANCE' were conducted for B.Tech 2/4,3/4,4/4 students with 9 participants in each. The winners of the event 'SINGING' are P.Shivani (18251A04E1)-Prize I, K.Viraja (20251A04C7)-Prize II. The winners of the event 'DANCE' are K.Nandini (21255A0411)-Prize-I, T.Sucharitha (19251A0453), S.Sushma (19251A0446)-Prize-I, Gayathri (19251A04H3), Sathvika (19251A04E2)-Prize II.
- ❖ On 26/03/22 another two events namely 'NAIL ART' and 'BEST FROM WASTE' were conducted for B.Tech (2/4,3/4,4/4) with 7 and 18 participants respectively. The winners of the event 'NAIL ART' are U.Ananya Sai (18251A0467)-Prize I, G.Lakshmi Jyothika (18251A0470)-Prize II. The winners of the group event 'BEST FROM WASTE' are K.Akhila (18251A0473)-Prize I, M.Jahnavi (19251A04D6), M.Chaitanya (19251A04E8), P.Greeshma (19251A04G3)-Prize II, K.Viraja (20251A04C7), P.Sowmya (20251A04E0), A.Soumya Priya (20251A04F1)-Prize II.
- ❖ On 19/04/22 two events namely 'SUDOKU' and 'HAIR STYLE COMPETITION' were conducted for B.Tech 2/4,3/4,4/4 students with 103 and 12 participants respectively. The winners of the event 'SUDOKU' are K.Akhila (18251A0473)-Prize I, Abhinaya (20251A0459)-Prize II, The winners of the event 'HAIR STYLE COMPETITION' are K.Akhila (18251A0473)-Prize I, D.Swetha (20255A0418)-Prize II.



JAM



APTITUDE TEST



DANCE



SINGING



SUDOKU



HAIR STYLE



Technical Associations in the Department

IETE Student Chapter

Faculty Coordinator: Mr. Y.Rakesh Kumar, Asst. Professor

The events under IETE student chapter are organized in every semester with the objective of providing a platform for the students to exhibit their talent with a competitive spirit. The new Executive body members elected by HOD, ECE are Vice President (**D. Shreya** of 4/4), Secretary (**C. Sharanya** of 3/4), Treasurer (**Hiranya** of 4/4) and a team of **24** members (including ETE Branch). Following are the events conducted.



- ❖ Organized an event '**Technical Quiz**' for all the students on 25/09/21. A total of **30** ECE students have participated in the contest.
- ❖ An event on '**Code Debugging**' challenge on C, Python language and MATLAB was conducted on 30/10/21 with a participation of **24** students. Resource persons are alumni and are working in different companies, each resource person gave bugged code in different languages.
- ❖ Organized a '**Hardware Design Test**' event for III year students on 04/12/21 with **100** student participants.
- ❖ Organised the '**Mock Interview**' for 3rd years on 23/10/21 from 1:30 pm to 4:00 pm in which GNITS alumnae working in industries visited our college. A total of **40** students of ECE UG Program 5th sem Sec-(A),(B),(C) have participated in the mock interview.
- ❖ Organized a '**Paper Presentation**' event for II-, III-, and IV-year students on 18/12/21 from 12:40 pm to 4:00 pm and the number of participants were **61**.
- ❖ As a part of enhancing the practical knowledge of our B.Tech and M.Tech students from GNITS, planned an Industrial Visit to Kwaliti Photonics, Kushaiguda, Secunderabad Telangana with **100** students on 5/1/22 and again **105** students on 6/1/22 from 9.30 am to 2.30 pm.
- ❖ Organized '**Poster presentation**' on the theme '**Applications of AI & IoT**' event on 8/4/22 at 2:00 pm to 4:00 pm with **22** student participants.
- ❖ Organized a Seminar on '**IoT and Robotics Research**' at IIITH on 21/03/22 for III, IV years and M.Tech students. Speakers were Dr. Sachin Chaudhari, Assoc. Prof. and Dr. Harikumar Kandath from IIIT Hyderabad.
- ❖ Organized a '**Project Expo**' on 18/06/22 from 10:00 am to 12:45 pm for IV year students of each section. Finalized first best project from each section after evaluating individual section wise judges. Then from 1.45 pm to 2.45

pm all the judges decided the I, II, III best projects after evaluating at second level.



HOD, Judges and faculty coordinators with participants at Paper presentation event



President, Placement officer, Coordinator, Resource persons and Participants



Industrial Visit by students to Kwaliti Photonics



HOD, Judges and Faculty coordinators with participants at Poster presentation event



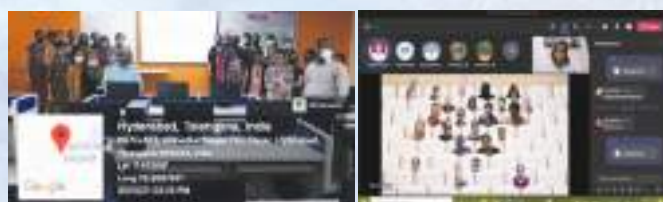
Dr. Sachin Chaudhari, Assoc. Prof. IIITH- Speaker-IoT and Robotics



Dr. Harikumar Kandath Speaker-IoT and Robotics



Project Expo final winner teams with Judges, HOD and IETE Faculty coordinators



Participants, President and ISF coordinator at code debugging event



Participants in hardware Design Test



Participants of Project Expo with their project kits, Judges, HOD and IETE Faculty Coordinator.

Student Achievements

Internships/ Training Programs

❖ **114** students attended paid and non-paid internships in various organizations from August 2021 to July 2022. The details of the students are listed below:

S.No.	Organization	No. Students	Class	Name of the Student	Stipend/Month
1.	JPMC	5	IV ECE A	Aiesha Fathima (18-431), G Vinathi (18-430), B Shirlene Rose (18-404)	Rs. 50,000/-
			IV ECE C	M Srihitha (18-4D8)	
			IV ECE B	M Jeevani (18-478)	
2.	State Street	10	IV ECE C	M Padma Sree (18-4G7) A Kavya Sree (18-4C2) Md Nadia Begum (LE 15)	Rs. 30,000/-
			IV ECE A	M Akhila (18-445), M Nikhila (18-448), K Prathyusha (18-414), C Krishna Priya (18-405)	
			IV ECE B	V Anusha (18-4B8), S Keerthi Reddy (18-485), V Bhavika (18-489)	
3.	Deloitte	14	IV ECE C	D Jishitha Reddy (18-4C9), O Cherishma (18-4H0)	Rs. 25,000/-
			IV ECE B	M Akanksha (18-4A5), M Nikhitha (18-4A9), B Pranathi (18-463), B Voohitha (18-465), Anjali Sharma (18-462), D Shreya (18-499) G.Amogha (18-4A0), Ayushi Banerjee (18-492)	
			IV ECE A	P Srividhya (18-421), Ch M Abhigna (18-436), M Chareeshma (18-416), P Pranathi (18-452)	
4.	Persistent	10	IV ECE B	P Snigdha (18-4B0), B Anuradha (18-496), M Shailaja (18-477), M Sai Likhitha (18-4A6)	Rs.10,000/-
			IV ECE C	T Guru Yashasree (18-4D1)	
			IV ECE A	G Chinmayee Varma (18951A0440) KLS Rasagina (18-444), N Suharsha (18-451), B Gayathri (18-433), G Srivalli Saranya (18-410)	
5.	Tata Elxsi Ltd.	1	IV ECE B	K Bhargavi (18-472)	Rs.10,000/-
6.	Telstra	1	IV ECE B	P Navya Sree (18-4B2)	Rs.25,000/-
7.	Cognizant	17	IV ECE C	Ch. Akhila (18-4F8), Ch. Sai Aasritha (18-4F6), J Mounika (18-4D2), M Anitha (18-4D9), R Chandana (LE 13), D Laya (18-4F9)	Rs.12,000/-
			IV ECE B	K Akhila (18-473), U Ananya Sai (18-467), B Sreeja (18-464), P Sai Priya (18-483), M Sai Likhitha (18-4A6)	
			IV ECE A	PCL Harika (18-440), GSL Manaswini (18-418), Ch. Sai Sri Keerthana (18-437), G Tejasree (18-439), K Srilekha (LE-1), P Niharika (18-453)	
8.	Dupont	1	IV ECE B	V Mouna (18-4B7)	Rs.35,000/-
9.	Zenoti	2	IV ECE A	KV Pujitha (18-443), Yasmeen Begum (18-460)	Rs.25,000/-
10.	Servicenow	1	IV ECE A	S Shreya Reddy (18-456)	Rs.45,000/-
11.	Medha Servo Drives Pvt. Ltd.	1	IV ECE A	A Triveni (LE – 4)	Rs.37,403/-
12.	AT &T Communication Services	5	IV ECE B	A Sri Bala Sravya (18-491), Ayushi Banerjee (18-492)	Rs.42,731/-
			IV ECE A	T Sadhana (18-458)	
			IV ECE C	B Srija (18-4C7)A Likitha (18-4C3)	
13.	Learn by Research	9	III ECE B	P Mounika (19-496), J Vaishnavi (19-481), P Avanthi (19-4A2), B Sathvika (19-464), T Akshitha (19-4B4), B Meghana (19-493) N Usha Kiran (19-4A1), K Siri Reddy (19-487), K Meghana (19-484)	Rs.3,000/-
14.	Wipro	3	IV ECE C	K Saachika Reddy (18-4G2), Ch. Dharani (LE16), B Nalandeshwari (LE 17)	Un Paid
15.	Medtronic	1	IV ECE B	R Triveni (18-4B3)	Rs.40,000/-

16.	Colruyt	4	IV ECE B	K Ujwala (18D21A0473), Sami Unnisa Begum (18-4B4), T Aneesha (18-486)	Rs.10,000/-
17.	Ford	5	IV ECE C	P Sai Valli Shivani (18-4E1)	Rs.15,000/-
			IV ECE B	G Pallavi (18-482), S Sushma (18-4B5)	
			IV ECE A	S Akshitha (18-426), B Bhavana (18-403), M.Divya (18-446)	
18.	AiZen Algo Pvt. Ltd.	1	IV ECE C	K Navyatha (18-4D6)	Rs. 26,000/-
19.	Excellerate Global Solutions	1	IV ECE B	V Bhavya (18-4B6)	Rs. 10,000/-
20.	DHRUVA Space	1	IV ECE C	Yamini Mythili (18-4J0)	Rs. 10,000/-
21.	Channel Soft IT Services Pvt. LTd.	1	IV ECE C	K Sri Charita (18-4D3)	Rs. 12,000/-
22.	Erudite Web Solutions	1	IV ECE A	P Ritvika Rao (18-450)	Rs. 15,000/-
23.	CGI	1	IV ECE C	Raheela Taj (18-4H3)	Unpaid
24.	JISNU	1	IV ECE B	Rekha Ray (LE 10)	Rs. 21,000/-
25.	Virtusa	1	IV ECE B	Y Sharaon Priyanka (18-4C0)	Rs. 37,500/-
26.	VISA	1	IV ECE B	Y Sneha Prabha (18-490)	Rs. 1,00,000/-

General Internships

- ❖ V.Ujwala Sony (20-429) completed 5 Weeks of Internship in Artificial Intelligence with the title of 'German to English Language Translation' at Internship Studio from 19/05/22 to 23/06/22.
- ❖ K.Poojitha (20-417) completed 5 Weeks of Training on Internet of Things with the title of 'Work Flow Automation' at Internship Studio from 14/04/22 to 19/05/22. B.Saritha (20-494) completed 5 Weeks of Internship in Artificial Intelligence with the title 'German to English Language Translation' at Internship Studio from 05/04/22 to 10/05/22. B Shravani (20-434) completed one-month Internship on 'Web Development' conducted by BrainO Vision from 10/04/22 to 09/05/22. V.Ujwala Sony (20-429) completed the 'Campus Ambassador Internship Program' with NEO Foundation between 06/04/22 and 06/05/22. K Poojitha (20-417) completed the 'Campus Ambassador Internship Program' with NEO Foundation between 29/03/22 and 28/04/22. A.Srivalli (20-401) completed the 'Campus Ambassador Internship Program' with NEO Foundation between 26/03/22 and 25/04/22. K.Jagruthi (19-425) and K.Swathi (19-424) completed Internship on 'Artificial Intelligence' conducted by 1 Stop T-Techfest, IIT Bombay from 10/02/22 to 10/04/22. P.Satya Priyanka (19-4G4) completed Internship on 'Embedded Systems' conducted by Verzeo from 01/09/2021 to 31/10/2021.

Training Programs

- ❖ 36 students of III ECE- P.Alekhyia (19-403), Ameena Juhi (19-463), A.Likitha (19-4C4), B.Sruthi (19-4C5), G.Bhanusri (19-4D4), Ch.Anusha (19-411), V.Divya(19-4D1), G.Deepshikha (19-415), G.Tejaswini (19-474), J.Shruthi (LE-2), K. Hoysala Devi (19-422), P.Lalana (19-432), B.Lekhya (19-433), M.Hasmitha (19-498), T.Mahitha (19-434), M.Bhavana (LE-7), P.Mounika (19-496), A.Manaswini (19-4C2), K.Nikhitha (19-431), N.Lakshmi Chaithra (19-4F4), P.Shloka Reddy (19-443), T.Pranathi (19-451), D.Rucha Shashank (19-4G6), S.Supriya (19-4G7), K.Sai Priya (19-447), P.Sai Sunidhi (19-448), K.Sathvika (19-4E2), Sk.Reehana (19-4G9), M.Shravani (19-4H2), P.Shruthika Keerthi (19-442),

Spoorthi G Kunch (19-450), J.Sri Vaishnavi (19-481), N.Uttara (19-440), V.Meghana (19-4B7), B.Sathvika (19-405), B.Jahnavi(19-408) attended College Research Affiliate Program (Training) at IIIT Hyderabad with a college-sponsor fee of Rs.3,00,000.

- ❖ 16 students of III ECE-P.Alekhyia(19-403), B.Varshini(19-407), D.Bhavana (19-413), K.Preethi Lilly (19-428), S. Sushma (19-446), V.Namitha Patel (19-460), M.Bhavana (LE-7), B.Keerthana (19-467), G.Niharika (19-478), G. Koustubha (19-479), J.Sathwika (19-482), P.Pallavi (19-4A3), Rahena (19-4A7), M.Chaitanya (19-4E8), D.Rucha Shashank (19-4G6), T.Gayathri (19-4H3) got short listed for CORE COMPANY (Unistring Technology Services) free training program.

Hackathons

- ❖ Arushi Sreekumar (20-432), K.Poojitha (20-417), B.Shravani (20-434), K.Sree Kavya (20-441), A.Srichandraja Reddy (20-431) and Ashwini Kulkarni (20-404) along with Mentor Dr.R.Swapna, got shortlisted for the Grand Finale of 'Smart India Hackathon 2022'. B.Shravani (20-434) and V.Niharika (20-458) completed We-Alpha Program and successfully developed the Proof of Concept for their idea during the program (Idea Pitching) on title 'Successful Trials' conducted by WeHub from 21/05/22 to 09/07/22. Arushi Sreekumar (20-432) was awarded Second Position with a cash prize of Rs.10,000/- in E-lympics during E-Summit 22 conducted by Entrepreneurship Cell, IIT Madras held on 03/06/22. M. Tanusha (20-477), N.Pallavi (20-480), Hema Sreyalahari (20-466) and M.Vinitha (20-4A6) secured II Prize in Idea Pitching Contest Hackathon on 'Using a DTMF car to generate Electricity from Speed Breakers' conducted by GNITS I Cell on 26/11/2021. G.Sanjana Bhargavi (20-4G0), V.Harshitha (20-4H9), P.Apurva (20-4G7), AVNSBK Soumya Priya (20-4F1) and N.Akhila Yadav (20-4D8) secured Top I Position in one week workshop followed by 30 hours of Hackathon on Web Development for creating a Website 'The luxury travel.online' organized by Brain O Vision and GNITS from 19/08/21 to 29/08/21, B.Shravani(20-434), N.Rashmitha (20-4G4), M.Gayathri Devi (20-445), N.Vaishnavi (20-4G5), G.Vyshnavi secured Top II Position.

Extra-Curricular Activities

- ❖ D.Anjali (20-463) Secured **II Prize** in Rishi's National Level E-Quiz organized by **Rishi MS Institute of Engg. & Technology** on 24/01/2022.
- ❖ D.Anjali (20-463) secured **III Prize** and **Pathro Sonali (20-B1)** participated in Essay Writing Competition organized by **Geethanjali College of Engg. & Technology**, IEEE Students Branch in January 2022.
- ❖ K.Poojitha (20-417) secured **I Prize** in Rubics Cube event on National Mathematics Day by **Aptus Gana Forum** held on 18/12/2021.

Webinars/ Workshops

- ❖ 109 students attended a workshop on 'START UPs, Creativity & Innovation-Make Your Idea to Happen' organized by Entrepreneurship Development Cell, GNITS on 16/06/2022.

NPTEL/Online Courses

- ❖ P Satya Priyanka (19-4G4), completed an online course on 'Data Science and Machine Learning' conducted by **Course Era** on 17/06/2022. P.Akshaya (2051A0425), G.Swathi (20-411)-attended 6 weeks online training on 'Programming with Python' conducted by **Internshala** on 04/06/22. A.Bhavani (20-4F3)- 'Internet of Things', M.Mounika (21255-403)-attended 6 Weeks online training on 'VLSI Design' conducted by **Internshala** from 10/03/2022 to 21/05/2022. D.Harshini (20-408) - Amazon Translate: Translate Documents with Batch Translation'. S. Amulya (20-4E6)- 'XPM 4.0, Bulid Your Own Responsive Website' and Virtual Reality course'. D. Eeshwari (19-412) - 'Introduction to Cloud Computing'. K. Poojitha (20-417), V.Abhinaya (20-459), D.Harshini (20-408), Arushi Sreekumar (20-432) and G.Sriya (20-440) - 'Deep Learning Onramp and Machine Learning Onramp'. G. Jayanthi (20-409)-'VLSI Design'. D. Eeshwari (19-412)-'Java Programming'- A.Bhavani (20-4F3)- C, C++ Courses, B. Saritha (20-494) - 'The Python Programming A-Z Definitive Diploma', P.Satya Priyanka (19-4G4) - Data Science for Engineers'- M.Tejaswi (18-4G8) - 'Antennas', 'Fundamentals of MIMO Wireless Communication', K.Sandhya Rani (2051A0413) - 'Python for Data Science', A.Bhavani (20-4F3) - 'C Programming Foundation, D.Harshini (20-408)- 'Microsoft Certification Programs', K.Poojitha (20-417) - 'Geo Processing using Python', B.Saritha (2051A0494), M. Nikhitha (20-479), N.AkhilaYadav (20-4D8), K.Sandhya Rani (20-413), G.Sindhuja (20-499), G.Swathi (20-411), V.Ujwala Sony (20-429), V.Abhinaya (20-459) and K.Poojitha (20-417)- 'Introduction to C++' conducted by **Coding Ninjas**, P. Satya Priyanka (19251A04G4) - 'Embedded Systems', Md. Sumaya Afrin (20-478) - 'Basics of AI, Conversational AI Foundation', R.Shruthi (19-4G5) - 'Interview Skills Course'.

Papers Published by B.Tech Students

- ❖ Edla Manichandana (18-438), Ch. Manasvini Abhigna (18-436) and Bojja Soumya (18-434) under the guidance of **Ms. Ch. Anusha**, Asst. Prof. published a paper titled 'A MATLAB Based Improved Speech Enhancement and Recognition Using Spectral Subtraction Method, MFCC and GMM' in International Journal of Science & Engineering Development Research, Volume -7, Issue-VII, ISSN: 2455-2631, Pg No. 664-668, July 2022.
- ❖ B.Bhavana (18-403), GSL Manaswini (18-418), N.Pavani (18-422) and T.Sadhana (18-458) under the guidance of **Dr. C.Padmaja** Asst. Prof. published a paper title 'Smart Road Crossing Indicator using Arduino' in International Journal of Engineering and Techniques, Volume-8, Issue-IV, ISSN: 2395-1303, July 2022.

- ❖ Kalyani Jahnavi (18-4G3), Muniganti Rohini (18-4E0), J. Mounika (18-4D2) and Patibandla Kavya (18-4E2) under the guidance of **Mrs..EVSS Vyshnavi**, Asst. Prof. published a paper titled 'Implementation of RSVP Subnetwork Bandwidth Manager Using GNS-3' in International Journal for Research in Applied Science & Engineering Technology, Volume 10, Issue VII, ISSN: 2321-9653, July 2022.

Quiz

- ❖ J.Swetha (2051A0467) and V.Vaishnavi (2051A0488) secured **I Prize**, M.Keerthana (21255A0410) secured **II Prize** in the event 'Quiz Competition' on the occasion of Constitution Day conducted by GNITS held on 26/11/2021.

Awards

- ❖ A Likhitha (19251A04C4) of II B.Tech Secured **First Position** with 99.5% for Attendance and First Position in Academics with a Cash Prize of **Rs.3000/-** for the AY: 2020-21.
- ❖ V.Ujwala Sony (2051A0429) of I Year B.Tech secured **First Position** with 99.5% for Attendance and Second Position in Academics with a Cash Prize of **Rs.2500/-** for the AY: 2020-21.
- ❖ B.Shravani (2051A0434) of I Year B.Tech secured **First Position** in Academics with a Cash Prize of **Rs. 2000/-** for the AY: 2020-21.

Students qualified in GRE/ IELTS/GATE/TOEFL

S. No.	Name of the Exam	Roll No	Score/rank	No. of Students
1.	GATE	18251A0454, 19251A04F1, 18251A04E9	6743, 7185, 9131	3
2.	GRE	18251A04C8, 18251A0499, 18251A0481, 18251A0411, 19255A0413, 18251A04F7, 18251A04C4, 18251A0461, 18251A04G9, 18251A0409	324, 323, 322, 321, 320,316, 314, 311,308, 295	10
3.	IELTS	18251A0499, 18251A0481, 18251A0409	8.0,7.0, 6.5	3
4.	TOEFL	18251A04C8	96	1
5.	NMAT	18251A0461	232	1

Students admitted for Higher Studies

- ❖ V.Mouna (19-4B7) - **University of Massachusetts, Bouston**
K.Nimisha Reddy (18-411) - **Arizona State University**,
V.Gayathri (18-459) and S.Keerthi Reddy (18-485) - **Wichita State University**,
- ❖ D.Shreya (18-499) - **University of California, San Diego**,
M.Mansi Rao (18-4G9) - **North Eastern University, Ch. Bhargavi (18-4F7) - University of Hertfordshire** for. G. Ruchitha (18-409) **Lamar University**, E.Amrutha Sai (17-4C1) admitted into **University of Texas, Dallas** R.Vaishnavi (17-488) - **Purdue University** P.Meghana (17-4A9) - **NTU, Singapore** - L.Kshama Adithi (17-4D4) - **North Eastern University** S.Vidya (17-4B2) - **Motilal Nehru National Institute of Technology, Allahabad** K.Naga Sai Lohitha (17-4G9) - **California State University, LA**, M.Bhavana (17-449) admitted into **GNITS**, M.Mallika Reddy (17-4A1) - **ICFAI Business School**, N.Tejaswini (17-473) - **University of Florida**, Y.

Tirumala Tejasa (16-460), Arizona State University, Y. Vaishnavi (16-4H8) - University of Cincinnati, G.Tejasree (16-4D6) admitted into Sanjose State University, V.Lasya (16-4H3) University of North Carolina, G.Shreya (16-415)- University of North Texas, K.Sree Slagya (14-485) - Pittsburg State University, P.Sai Mansi (17-4H1) - Texas A&M University, P.Preethi (15-460) - State University of New York,

K.Pooja Sree (17-4B0) - George Manson University, N.Ikya (17-415) - Arizona State University, K.Likitha (17-409) - University of Buffalo, Y.Sai Sreeja (17-430) - North Eastern Boston University, Nabila Hashim (17-414) - University of Missouri, B.Sampritha (17-431) - University of Maryland, G Ujjwala (16-4D7) - University of Florida, A.Deekshitha (16-423) - Wright State University.

♦ Academic Toppers (with SGPA)

Academic Toppers

B.Tech. II Year I Sem



Vedula Venkata
Laxmi Priya
20251A0489
(SGPA – 9.85)



Nerella Prathyusha
21255A0408
(SGPA – 9.85)

B.Tech III Year I Sem



Baddala
Kundana
19251A04C6
(SGPA – 9.8)



Juluri Anusha
19251A0421
(SGPA – 9.7)

B.Tech IV Year I Sem



Surabhi
Akshitha
18251A0457
(SGPA -9.71)



Shaik Rabiya
Nikhat
18251A04E
(SGPA – 9.71)



Diksha Naval
18251A0407
(SGPA – 9.57)



Mareboina
Jeevani
18251A0478
(SGPA – 9.57)



Madhugondapalley
Sai Likhitha
18251A04A6
(SGPA – 9.57)



Shiliveru
Sushma
18251A04B5
(SGPA – 9.57)



Kalyani Jahnvi
18251A04G3
(SGPA – 9.57)



Kothapalli Sai
Thapaswini
18251A04G5
(SGPA – 9.57)



Samreen Naaz
Irshad
18251A04H5
(SGPA – 9.57)

B.Tech II Year II Sem



Thiramdasu
Sucharitha
19251A0453
(SGPA – 9.66)



Donthula
Bhavana Yadav
19251A0413
(SGPA – 9.51)



Juluri Anusha
19251A0421
(SGPA – 9.51)



Telugu
Hemalatha
(19251A0452)
(SGPA – 9.51)



Thurlapati
Harini
19251A0454
(SGPA – 9.51)

B.Tech III Year II Sem



Kopparthi
Venkata Pujitha
18251A0443
(SGPA – 9.85)



Pisupati Sai
Valli Shivani
18251A04E1
(SGPA – 9.85)



Shaik Rabiya Nikhat
18251A04E6
(SGPA – 9.85)



Samreen Naaz Irshad
18251A04H5
(SGPA – 9.85)



Male Bhavyanjali
18251A0447
(SGPA – 9.7)



Puranam Sridevi
18251A04E3
(SGPA – 9.7)



Nini Muly
18251A04E4
(SGPA – 9.7)

B.Tech IV Year II Sem



Sana
Tabassum
17251A0421
(SGPA – 9.25)



Tanuja
Muthyala
18255A0415
(SGPA – 9.25)



Lethakula
Kshama Aditi
17251A04D4
(SGPA – 9.25)



Lakkireddy
Swecha Reddy
17251A0410
(SGPA – 9.13)



Y Sai Sreeja
17251A0430
(SGPA – 9.13)



Marakala Kavya
Reddy
17251A0448
(SGPA – 9.13)



Vaishnavi
Rudraraju
17251A0488
(SGPA – 9.13)



Yerrabathina
Chareeshma
17251A0490
(SGPA – 9.13)



Vittanala
Satya Sri
17251A04C0
(SGPA – 9.13)



Rapolu
Harshitha
17251A04E6
(SGPA – 9.13)

M.Tech I year I Sem



Thumu
Kavya
21251DB105
(SGPA - 9.56)



Atagara
Manasa
21251DB103
(SGPA - 9.33)



K Sri Nag
Vani
20251DB104
(SGPA - 9.81)



Bhavana
Majji
20251DB103
(SGPA - 9.63)



Kurra Pallavi
20251DB107
(SGPA - 9.39)



Vemula
Navya
20251DB110
(SGPA - 9.39)

Papers Published by M.Tech Students

- ♦ K.Pallavi (20-107) published a paper on 'Data Transmission through Li-Wi in Underwater' in IJNRD, April-2022,
- D.Akshitha (19-103) published a paper on 'LoRa Based Smart city (long Range)' in ICTSGCS, November-2021,
- S.Swathi (19-112) published a paper on 'IoT Enabled Wearable Gloves with SEMG Subsystem with Posture

Analysis' in IJRASET, September-2021, S.Divya (19-115) published a paper on 'Implementation of Hybrid Precoding for MIMO System Using Kalman Approach' in IJRASET, July-2021, K.Manju Bhargavi (19-108) published a paper on 'Design of Linear Feedback Shift Register for Low Power Application' in IJRASET, April-2021.



Electrical & Electronics Engineering

Dr. N. Malla Reddy, Professor & HOD

Dr.N.Malla Reddy, is Professor of Electrical and Electronics Engineering. He has been working in GNITS since its inception and heading the department from 2017. He received his Doctoral degree from JNTU–Hyderabad in the field of Power system operation and control, Master's degree from JNTU–Hyderabad and Bachelor of Technology degree from Sri Venkateswara University- Tirupathi. **Dr.N.Malla Reddy** has 14 Research Papers and two books, 'Design & Development of New Evolutionary Algorithms for Unit Commitment Problems' and 'A high Step-Up 3 port DC-DC converter for stand-alone PV battery Power systems with Grid-connected Mode' publication to his credit. He has an enriching experience of 23years in teaching electrical subjects for engineering graduates and has extensively promoted and conducted various conferences and workshops for the upliftment of electrical students. He served as a member of organizing committees of several student technical events. He is a member of IEEE and Vice-President of GNITS IEEE student's chapter. He made significant contributions to the revision of syllabus by being chairperson of BOS. Under his guideship, EEE department got NBA accreditation for both UG and PG programs. He is a recipient of Best teacher award for the year 2008 by GNITS. His area of interest includes Power Electronics, Power systems, AC & DC Drives and Electric Vehicles.

About the Department

EEE, one of the spearhead branches in GNITS has both its program i.e., UG & PG accredited by NBA. The department has 10 Doctorates, 19 of its faculty are pursuing PhD. The retention rate of the faculty is remarkable at 70% during the last 15years. With more than 64% placements, the students of EEE are privileged to mark their presence in prestigious companies like Deloitte, TCS, JP Morgon, CapGemini etc. With latest labs like R&D lab, Virtual lab, PQ lab, Projects lab etc already functional, the department is proud to claim a well-designed syllabus with latest courses in place to make the students industry ready. The department also undertakes the maintenance of Power House and all other electrical utilities including the 160KW solar Power plant in the campus.

Highlights

- ❖ The Research and Development Centre of EEE has been approved by JNTU Hyderabad.
- ❖ Research and Development cell of EEE has submitted following proposals for Ministry of New & Renewable Energy
 - i) Implementation of roof top PV assisted EV using intelligent control of super capacitor & battery.
 - ii) Design, development & implementation of Floating aerator & plastic collecting seabin powered by solar-photovoltaic systems to rejuvenate lakes ecosystem.
- ❖ The Projects lab has been inaugurated in the department on 18/2/22 by our Principal **Dr.K.Ramesh Reddy**.
- ❖ **Dr.G.Annapurna** and **Dr.R.Nageswara Rao** have been promoted as Professors on 1/4/2022.
- ❖ **Dr.G. Annapurna** has received GNIT Star Woman of the year award as part of International Women's Day Celebrations on 8/03/2022.
- ❖ **Dr.T.Surya Prakash**, Asst. Prof., has been elected to the grade of Senior IEEE member.



Inauguration of Projects Lab

- ❖ 80 students of II year and III year have attended a one day work shop on 'Inspire Hyd 2022 1 day workshop on career Excellence' organized by Kalam's Institute of Youth Excellence Foundation on 26/3/22.
- ❖ Career guidance seminar was conducted on 15/12/21.
- ❖ Three patents are granted for three faculty members in EEE department
- ❖ **Mrs.G.Ujwala** Asst. Prof., and **Mrs.E.Gouthami** Asst. Prof., have been granted a patent for the invention of fertilizer Usage Monitoring and Price Estimation System for Crops with patent no.202141038799 A on 10/9/21.
- ❖ **Mrs.G.Ujwala** Asst. Prof., and **Mrs.E.Gouthami** Asst. Prof., have been granted a patent for the invention of IOT based smart energy theft detection and Power Monitoring system for smart homes with patent no.202141035598A on 13/8/21.
- ❖ **Mrs.K.SwarnaLatha**, Asst. Prof., has been granted a patent for the invention of An AI based EV battery charging controller with enhanced battery management with patent no.202141050407 on 19/11/21.
- ❖ **Aarushi Energy Swaraj Club**
As a part of Energy Swaraj Yatra, **Prof.Chetan Singh Solanki** along with his team visited our campus on 24/2/22. After the Visit of **Prof. Solanki**, Solar man of India, Energy Swaraj club was initiated to spread the climate change awareness among the locals through GNITS on 16/3/22.
- ❖ **Ms.Amtul Husna**, of IV B.Tech won first prize in debate competition on 'Is India a Self Reliant Country with Integrity After 75 Years of Independence?' as a part of Vigilance Awareness Week 2021 conducted by the Department of Electrical & Electronics Engineering JNTUHCEH in association with Power Grid Corporation of india limited.
- ❖ **Ms.J.Rupamathian** alumini of 2012 batch completed Ph.D from MIT, and is working as research scientist in a startup company, **Ms.Sai Veena** an alumini of 2013 batch is currently working in U.R.Rao Satellite Center, ISRO as Scienftist/ Engineer-D at Banglore.
- ❖ **MS.A.Keerthana**, **Ms.B.Raja Rajeswari**, **Ms.K.Alekya** of III B.Tech have secured I prize with prize money of Rs.60,000/- in a state level hackthon on 'Innovate 4 MENSTRUAL WASTE-2022', organised under technology solutions category and mentoring from TSIC and WaterAid on 30/05/2022 at T- Hub, IIIT Hyderabad.
- ❖ A new logo was inaugurated for TEJASS (Technical association of Electrical & Electronics Department) by Head of the department, **Dr.N.Malla Reddy** on 6/6/22.
- ❖ A total of 100+ students of IV B. tech have got unique offers in various companies like JP Morgan, Infosys, Accenture, Cognizant, IBM etc., with an average package of 6 lakhs per annum
- ❖ **Ms.BojiHarika** of IV B.Tech has been placed in Carrier Technologies with a package of 15 lakhs per annum.



Faculty publications

- ❖ **Dr.T.Surya Prakash**, Asst. Prof., has published a paper on 'Machine Learning-Based Predictive Techno-Economic Analysis of Power System' in IEEE.
- ❖ **Mrs.K.Swarnalatha**, Asst. Prof., has published a paper on 'Optimum placing and sizing of renewable energy sources using QPSO for distributed generation system' in The international journal of Analytical and Experimental Modal analysis and published a paper on 'A 6- switched three – level Inverter based smart grid hybrid power system for power management using zigbee' in Journal of Interdisciplinary cycle research.
- ❖ **Mr.K.KrushnaMurthy**, Asst. Prof., has published a paper on 'Modelling Of Grid Connected PV System With Constant Current Controller' in IRJES
- ❖ **Mrs.P.Tejaswi**, Asst.Prof., has published a paper on 'Protection in Smart Building: Mini Review' in Taylor and Francis group-CRC press, 'A Review on D-STATCOM Control Techniques for Power Quality Improvement' in Distribution in IEEE conference and 'Modelling and Simulation of Grid-Connected Reconfigurable Solar Converter and Wind Hybrid Power System' in IEEE conference
- ❖ **Mrs.K.V.Sowmya**, Asst. Prof., has published a paper on 'Optimum placing and sizing of renewable energy sources using QPSO for distributed generation system', in The international journal of Analytical and Experimental Modal analysis and published a paper on 'A 6- switched three – level Inverter based smart grid hybrid power system for power management using zigbee' in Journal of Interdisciplinary cycle research.
- ❖ **Mrs.K.V.Dhanalakshmi**, Asst.Prof., has published a paper on 'IoT Based Protection of MicrogridWith Grid-connected and Islanded mode Using Wavelet' in IEEE conference.
- ❖ **Mrs.V.SumaDeepthi**, Asst. Prof., has published a paper on 'Optimal Placement And Sizing Of Dg And D-Statcom In A Distribution System: A Review' in IEEE Conference.
- ❖ **Mrs.S.Bhulakshmi**, Asst. Prof., has published a paper on 'Implementation of the modular multilevel converter and cascaded H- bridge multilevel inverter using SPWM' in TOJQI.

Faculty Achievements

- ❖ **Mrs.G.Sujatha**, Asst. prof., has Completed Ph.D course work from Geetam Deemed University.
- ❖ **Mrs.K.V.Sowmya**, Asst. Prof., has registered for Ph.D at NIT Warangal.
- ❖ **Dr.T.Himabindu**, Asst. prof., has attended an inaugural ceremony on 31/7/22 as an **Execomm member of W-IES & Professional activities** at IEEE-IES Hyderabad, invited for inaugural ceremony IEEE IES chapter at GRIET college on 8/7/22 as an **Execomm member of IEEE-IES**, Hyderabad, invited as a Chief Guest for inaugural ceremony IEEE IES chapter at Vardhaman College of Engineering on 16/4/22.
- ❖ **Mr.P.Siva Prasad**, Asst. prof., has been awarded with **Best Young Researcher** by Novel Research Academy, Puducherry on 5/9/21.

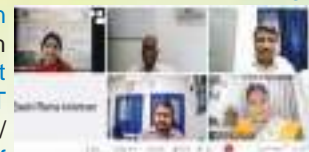
Newly Joined Faculty

- ❖ **Dr.G.Satheesh** has completed his Ph.D and joined the department as an Asst. Professor on 3/8/22.
- ❖ **Mrs.B.Abhinethri** has joined the department as an Asst. Professor on 1/8/22.
- ❖ **Mrs.V.Suma Deepthi** has joined the department as an Asst. Professor on 8/3/22.

- ❖ **Mrs.S.Bhulakshmi** has joined the department as an Asst. Professor on 31/3/22.

Workshops organized

- ❖ **Mrs.K.Swarnalatha**, Asst. Prof., has conducted a workshop on 'Advanced Power Electronics, Drives and Storage Systems for E-Transportation in India' in association with E&ICT Academy & Department of Electrical Engineering, NIT Warangal from 25/4/22 to 6/5/22, Sponsored by Ministry of Electronics and Information Technology (Meity), Government of India.
- ❖ **Mr.V.Badri Rama Krishnan**, Asst. Prof., has conducted a workshop on 'Hardware Implementation of Basic Power Electronic Converters' from 2/3/22 to 5/3/22.



Workshop on 'Advanced Power Electronics, Drives and Storage Systems for E-transportation in India'

Workshops attended /courses done by faculty

- ❖ **Prof.R.Nageswara Rao**, has attended an online workshop on 'AdvancedPower Electronics, Drives and Storage System' during 25/4/22-6/5/22.
- ❖ **Dr.T.Surya Prakash**, **Dr.B.Ravichandra Rao**, **Mrs. B.Narmada Reddi** have undergone Industrial Training program on 'Design, Installation and Maintenance of Solar PV Systems and Grid Integration' at PV Power Plant, AB REL, SPV1Ltd., Rayachoti, A.P during 4/8/21-16/8/21
- ❖ **Mrs.E.Gouthami**, Asst. Prof., has attended a webinar on 'Emerging Technologies in Electric Vehicles' conducted during 2/8/21-14/8/21, 'Electric Vehicle Technologies' during 24/1/22-05/2/22, 'MATLAB Onramp course' during 1/8/21-22/8/21, 'Sustainable Technologies for Electric Transportation System' during 14/6/21-26/6/21, 'Current Trends in Research & Innovation Research Paper Publications- IPR and Patents- Research Projects & Fundraising'during 27/8/21-31/8/21
- ❖ **K.Priyamvada**, Asst. Prof., has attended a workshop on 'Hybrid vehicles and Energy Management Systems Online' during 7/3/22-16/3/22.
- ❖ **Mr.P.Siva Prasad**, Asst. Prof., has completed 'Control, Design of Power Electronic Converters and tuning Methods in Switched Mode Power Converters and Design for internet of things' course from NPTEL successfully with an Elite certificate in'Design for internet of things'.
- ❖ **Mr.P.Buchibabu**, Asst. Prof., has attended a workshop on 'Synergizing Higher Education in the context of NEP:2020: Strategies for Implementation'during 22/12/21-23/12/21, 'Integration of Renewable Energy & EV to Microgrid: Prospects & Challenges'during 21/2/22-25/2/22, ' DC Community Level Grid Challenges in Protection, Control and Stability (DCLG)' -2022 during 1/3/22-5/3/22.
- ❖ **Mrs.P.Tejaswi**, Asst. Prof., has attended a workshop on 'Synergizing higher education in the context of NEP-2020: Strategies for Implementation' during 22/12/21-23/12/22, 'webinar on Artificial Intelligence and Machine learning: Real time applications' during 20/9/21-30/9/21 and also completed module 1, 2&4 of NITTT'.
- ❖ **Mrs.Y.Priyanka**, Asst. Prof., has attended one day online refresher course on 'Effective Teaching Methodologies', on 22/1/22 and also completed '3rd module of NITTT'.
- ❖ **Mrs.G.Sujatha**, Asst. Prof., has successfully completed an 8 week course, 'Introduction to Smart Grid and Introduction to Research from NPTEL with an Elite certificate'and also completed 8 modules of NITTT'.
- ❖ **Mrs.K.V.Sowmya**, Asst. Prof.,has completed 8 modules of NITTT.

- ❖ Mrs.K.V.Dhanalakshmi, Asst. Prof., has attended an online FDP on 'Integration of Renewable energy and EV to Microgrid: Prospects and Challenges' during 21/2/22-25/2/22, 'Current Trends in Research and Innovation- Research paper publications- IPR and Patents Research projects and fundraising' during 27/8/21-31/8/21, 'Effective Teaching Methodologies' on 22/1/22 and also completed '8 modules of NITTT'.
- ❖ Mrs.P.V.S.S.A.Parimala, Asst.Prof., has attended a workshop on 'Synergizing Higher Education in the context of NEP:2020: Strategies for Implementation' during 22/12/21-23/12/21, a one-day online refresher course on 'Effective Teaching Methodologies' on 22/1/22 and also has completed '8 modules of NITTT'.
- ❖ Dr.T.Himabindu Asst. Prof.,has attended an online refresher course on 'Effective Teaching Methodologies Online' on 22/1/22 'Smart Cities - A road map for future development' during 10/1/22-12/1/22 and 'Integration of Renewable Energy & EV to Microgrid: Prospects and Challenges' online 21/2/22-25/2/22.

Technical Association of Electrical & Electronics Department (TEJASS)



Faculty Coordinator:
V. Badri Rama Krishnan, Asst.Prof. & P. Mamta, Asst.Prof.
President: N. Sai Samhitha IV B
Vice President: V. Sneha Reddy IV B & K. R. Sindhuja IV A

Technical & Non-Technical Events

A Technical paper presentation for B.Tech students was conducted on 7/1/21 and 8/1/21. Technical Report Writing for M.Tech students was conducted on 15/3/22

- Paper Presentation was conducted on 1/05/2021 and 3/05/21
I Prize: Ms.SaiNikitha, IV EEE, II Prize: Ms.AmtulHusna, IV EEE, III Prize: Ms.Sai Samhitha, IV EEE, I Prize: Ms.K.Rinny, IV EEE, II Prize: Ms.Godha, IV EEE, III Prize: Ms.D.Kavya Reddy, IV EEE
- JAM was conducted on 20/11/21
I Prize: Ms.Keerthana, III EEE, II Prize: Ms.Priya, III EEE
III Prize: Ms.Priyanka, III EEE
- Technical paper presentation was conducted on 7/1/21 and 8/1/21
I Prize: Ms.A LasyaPriya & Ms.N.Vaishnavi, III EEE
II Prize: Ms.B.Raja Rajeshwari, III EEE, III Prize: Ms.N.Sreeja Reddy & Ms.A.Chinmayee, III EEE
- Best out of waste was conducted on 29/01/22
I Prize: Ms.Deekshethagoud Bandi, II EEE, II Prize: Ms.Nazneen Sultana, II EEE, III Prize: Ms.K.Saideepthi, II EEE
- Technical Report Writing (M.Tech) was conducted on 15/3/22
I Prize: Ms.C.Gayithri II Prize: Ms.M.Sravani
- Logo Design for TEJASS
I Prize: Ms.D.Architha, III EEE
- Rangoli Competition was held on 6/6/22.
I Prize: Ms.G.Poornima, Ms.Ch.Maha Lakshmi, Ms.K.Dhana Lakshmi, Ms.J.Swathika, IIA EEE II Prize: Ms.G.Sai Keerthana, Ms.P.Priyanka, Ms.S.Saigeetha, Ms.P.Meghana, IV EEE, III Prize: Ms.P.Pooja, Ms.K.BHavana, Ms.A.Srivarsha, Ms.P.Srilakshmi, II EEE
- Mehendi Competition was held on 6/6/22.
I Prize: Ms.SamrinSulthana, IV EEE, II Prize: Ms.Y.S.Haranya, II EEE III Prize: Ms.ShaikAshfiya, III EEE

Internships:

- ❖ Ms.Md. AnjumTabassum, Ms.J.Meghana, Ms.Ch. Anjani, Ms. K.Sravya, Ms.M.Sri Harshini Reddy, Ms.N.Adhithi Sai have undergone an internship in Wipro.
- ❖ Ms.GodhaNaravara, Ms.V.Kavya, Ms.J.Sri Vidya, Ms.Y. Vasanthi, Ms.G.Sakshika Reddy, Ms.B.Sai Sandhiptha, Ms.B.Harika, Ms.J.Greeshma, Ms.T.Bhoomika, Ms.D.Kavya Sri, Ms.I.Lakshmidevi, Ms.J.Navya, Ms.N.Ramya, Ms.S. Umamaheshwari, Ms.ShaikReshma have undergone an internship in Cognizant.
- ❖ Ms.Ch.Kankalatha has undergone internship in JPMORGAN.
- ❖ Ms.C.Archana has undergone internship in Persistent.
- ❖ Ms.Y.Sri Koumudhi has undergone internship in Telstra.
- ❖ Ms.P.Kavya, Ms.S.Jyostna have undergone internship in DXC.
- ❖ Ms.P.Gayatri has undergone internship in Nuclear Fuel Complex.
- ❖ Ms.D.Sindhusritha has undergone internship in IBM.
- ❖ Ms.B. KavyaMadhuri has undergone internship in ACS Solutions.
- ❖ Ms.P.LaksmiChandana, Ms.SamrinSulthana have undergone an internship in Mind tree.
- ❖ Ms.S.Lasyasri has undergone internship in Colruyt.
- ❖ Ms.M.Sneha, Ms.L.Vineetha, Ms.M.Likitha have undergone an internship in State street.
- ❖ Ms.E.Sai Nikitha, Ms.Y.Yashasvini have undergone an internship in Harman Connected Service.
- ❖ Ms.T.Naga Jyothi has undergone internship in Kaptius.
- ❖ Ms.A.Manisha, Ms.K.Malleswari have undergone an internship in Medtronic.
- ❖ Ms.D.Sindhu, Ms.K.NavyaSree, Ms.N.Sai Samhitha have undergone an internship in AT&T.
- ❖ Ms.B.Shailaja, Ms.D.Samyuktha have undergone an internship in Dupont.
- ❖ Ms.K.Akshatha, Ms.SheemaFirdous, Ms.C.Keerthana, Ms.Harshitha have undergone an internship in Deloitte.

Academic Toppers

II Year Toppers



K. Sri Varsha
CGPA-9.78
20251A0213



K. Saideepthi
CGPA-9.53
20251A0240



A. Ravali
CGPA-9.92
19251A0204



K. Supraja
CGPA-9.82
19251A0282

IV Year Toppers



I. Lakshmidevi
CGPA-9.78
18251A02A1



S. Lasyasri
CGPA-9.71
18251A0255



D. Harika Padma
CGPA-9.65
18251A0235



Shaik Reshma
CGPA-9.61
19255A0207

M.Tech Toppers



D. Renusri
CGPA-9.8125
20251D5402



S. Shruth
CGPA-9.625
20251D5407



Electronics & Telematics

Dr. K. Ramalinga Reddy, Professor & Head

Dr.K.Rama Linga Reddy has 30 years teaching experience with 22 years in GNITS and 8 years in CBIT. He has been working as HOD for ETE department since 2002. He completed his B.E. from Vasavi Engineering College in 1989 and M.Tech from SVU Engineering College in 1991, Ph.D from JNTU Hyderabad in 2011. He has 85 research papers to his credit. He has been invited as M.Tech & Ph.D examiner, Staff Selection Committee member by different Universities and Colleges. He was the BOS member and Research Review Committee member for JNTUH (ECE Department) & at present BOS member of ECE department for many Engineering Colleges. He successfully guided 5 Ph.Ds from JNTUH. His interested research areas are Digital Signal & Image Processing, Wireless Communications & Networks. He chaired different technical sessions at National Conferences & Student Symposiums. He is a member of IEEE, IETE & ISTE. He won the Academic Excellence Award in 2005 for his academic contribution in GNITS. He participated in over 80 T.V programs (Panel Discussions related to quality of Engineering Education and EAMCET counseling) in different T.V news channels. He worked as an advisor for 15 engineering colleges in NBA accreditation process.

Department Highlights

- ❖ **Swathi Mengji** (17251A1727) was awarded with University Gold Medal from JNTUH.
- ❖ **51** students of 2018-2022 batch have been placed in various MNCs through campus placements.
- ❖ **30** students of 2019-2023 batch have been placed in various MNCs like JP Morgan Chase, Micron, Optum, Deloitte, Prodapt, CTS, Torry-Harris etc. through campus placements till date.
- ❖ **M.Shirisha** (19251A1742), **D.Greeshma** (19251A1719) of ETE, **S.Keerthana Pravallika** (19251A05B1), **S.Divya** (19251A05B5) of CSE, **N.Vaishnavi** (19251A0297) & **A.Charitha Reddy** (19251A0269) of EEE won **1st prize of Rs.1,00,000/-** in **Smart India Hackathon-2022**, held from 24/08/22 to 26/08/22 at SCMS School of Technology & Management, Ernakulam, Kerala to exhibit their Project under the Mentorship of **Mr.V.Vikas**, Asst. Professor and **Mr.A.Chandra Shaker**, Asst. Professor.



Newly Joined Faculty

- ❖ **A.Sneha Keerthi**, Asst. Professor and **K.Pranathi**, Asst. Professor.

Workshops Conducted

- ❖ A 10 day Online FDP on '**Artificial Intelligence and Machine Learning: Real Time Applications**' in collaboration with NIT Warangal from 20/09/21 to 30/09/21 coordinated by **Dr.A.Naveena**, Asst. Professor.

- ❖ A 10 day Online FDP on '**Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies**' in collaboration with NIT Warangal from 06/09/21 to 16/09/21 coordinated by **Dr.Rajkumar L Biradar**, Professor.
- ❖ A 3 day hands-on workshop on '**Cyber Security and Ethical Hacking**' in association with Ditto Security from 28/03/22 to 30/03/22 coordinated by **Dr.A.Naveena**, Asst. Professor.

Faculty Achievements

- ❖ **Dr.K.Rama Linga Reddy**, Professor & HoD successfully guided 5 Ph.Ds from JNTUH.
- ❖ **Dr.Rajkumar L. Biradar**, Professor successfully guided 1 Ph.D Scholar from VTU, Belgavi.
- ❖ **Ms.T.Sunitha**, Asst. Professor successfully submitted thesis in GITAM University, Visakhapatnam.
- ❖ **Ms. P.Sreesudha**, Asst. Professor successfully submitted thesis in JNTU Hyderabad.
- ❖ **Mrs.V.Anitha**, Asst. Professor completed Ph.D Course Work from VIT Bhopal.
- ❖ **Mr.A.Chandra Shaker**, Asst. Professor completed Ph.D Course Work from Amrita Vishwa Vidyapeetham, Coimbatore.
- ❖ **Mr.V.Vikas**, Asst. Professor was awarded as '**YUVA MENTOR as a CHANGE MAKER**' for outstanding and appreciable work in innovation education from YUVA Incubated in association with K.I.T.E.S Education.
- ❖ **Ms.T.Sunitha**, Asst. Professor was awarded as '**Best Research Paper Presentation**' in International Conference on Advances in Engineering, Science and Management (ICAESM-2021) held on 28/11/21 & 29/11/21.
- ❖ **Dr.A.Naveena**, Asst. Professor has been recognized as '**NPTEL Discipline Star**' in Computer Science Engineering July-Dec 2021.
- ❖ **Dr.A.Naveena**, Asst. Professor was awarded as '**Best Faculty Award**' for her outstanding contribution in Academic and Research on Academic Achievers Awards for Engineering, Arts and Management-AAAEAM 2022 held on 27/02/22.
- ❖ **Dr.A.Naveena**, Asst. Professor was awarded as '**GNITS Star Woman of the Year-2022**' on occasion of International Women's day on 08/03/22.
- ❖ **Dr.M.Vijaya Lakshmi**, Asst. Professor has been recognized as '**NPTEL Discipline Star**' in Electrical Engineering Jan-Apr 2022.
- ❖ **Mr.N.Rama Krishna**, Asst. Professor, **Mrs.P.Sreesudha**, Asst. Professor **Mr.A.Chandra Shaker**, Asst. Professor got 100% pass percentage in ESD, WC & FIOT subjects of IV B.Tech I Sem.
- ❖ **Dr.M.Vijaya Lakshmi**, Asst. Professor got 100% pass percentage in 4GT of IV B.Tech II Sem.
- ❖ **Dr.A.Naveena**, Asst. Professor got 100% pass percentage in VOIP of M.Tech III Sem.
- ❖ **Dr.K.Rama Linga Reddy**, Professor & HoD, **Mrs.T.Sunitha**, Asst. Professor **Mr.A.Chandra Shaker**, Asst. Professor got 100% pass percentage in WSN, NSC, ACS of M.Tech II Sem.
- ❖ **Dr.K.Rama Linga Reddy**, Professor & HoD, **Dr.Rajkumar L Biradar**, Professor, **Mr.G.Krishna Reddy**, Assoc. Professor, **Mr.V.Vikas**, Assistant Professor got 100% pass percentage in AWN, WMC, CTT & IW of M.Tech I Sem.

Faculty Publications

Journals

- ❖ **Mrs.P.Sreesudha**, Asst. Professor published a paper on 'A hybridization approach of PSO and GSO algorithm for minimum-BER based multi-user detection in STBC-MIMO MC-CDMA systems' in Multimedia Tools and Applications (Springer), ISSN No.: 1380-7501 July 2021.
- ❖ **Dr.Rajkumar L. Biradar**, Professor published a paper on 'A Robust Low Frequency Integer Wavelet Transform based Fractal Encryption Algorithm for Image Steganography' in International Journal Advanced Intelligence Paradigms, Vol 09, No. 3-4, ISSN No.: 1755-0394, July 2021.
- ❖ **Mr.V.Vikas**, Asst. Professor published a paper on 'A Survey On localizing the Drone to realize Mission Critical services with 5G Open RAN Frame work' in International Journal of Research in Engineering and Science Vol 09, Issue 10, ISSN No.: 2320-9356 Oct 2021.
- ❖ **Dr.K.Rama Linga Reddy**, Professor & HOD published a paper on 'Image Denoising for magnetic resonance imaging medical images using improved generalized cross-validation based on the diffusivity function' in International Journal Imaging System Technology pg No:1-23, Wiley Publications, Nov 2021.
- ❖ **Mrs.T.Sunitha**, Asst. Professor published a paper on 'Low area FPGA implementation of Present cryptography with 3S-RLKG and MKS Wireless Networks' (Springer Nature) Volume 27, issue 8, ISSN No.: 1022-0038, Nov 2021.
- ❖ **Dr.M.Vijaya Lakshmi**, Asst. Professor published a paper on 'MIMO-OFDM systems using Sparse Channel Estimation in High -Mobility situations' in International Journal of Research volume X, Issue XI ISSN No.:2236-6124 Nov 2021.
- ❖ **Mrs.V.Anitha**, Asst. Professor published a paper on 'Particle Swarm Optimization for Linear Antenna Array' in International Journal of Recent Technology and Engineering in Journal of Resource Management and Technology, Vol 12, Issue 4, ISSN No.: 0745-6999, Dec 2021.
- ❖ **Dr.Rajkumar L. Biradar**, Professor published a paper on 'Bayes Probabilistic Based Fusion method for Image Inpainting' in International Journal of Pattern Recognition and Artificial Intelligence, Vol. 35, No. 13, ISSN No.:0218-001, Jan 2022.
- ❖ **Mr.A.Chandra Shaker**, Asst. Professor published a paper on 'Lifetime Enhancement of WSN using Evolutionary Computing Algorithms' in International journal of analytical and experimental modal analysis, Vol XIV, Issue III, ISSN No.:0886-9367, Mar 2022.
- ❖ **Mrs.V.Anitha**, Asst. Professor published a Book chapter on 'A 10 -Element Series Fed Non- uniform high Directional planar antenna array at 0.3 THz' in Terahertz Wireless Communication Components and system Technologies, Springer, Apr 2022.

Conferences

- ❖ **Dr.M.Vijaya Lakshmi**, Asst. Professor presented a paper on 'Performance Enhancement of Training Based Channel Estimation in MIMO-OFDM system' in 2021 IEEE International conference on Electrical, Computer and Communication Technologies, Sept 2021.
- ❖ **Dr.M.Vijaya Lakshmi**, Asst. Professor presented a paper on 'PAPR Reduction of OFDM signals using N-PTS Scheme with low computational complexity' in 12th International conference on recent Engineering and Technology in ICRET-2021, Oct 2021.

- ❖ **Mrs.M.Jyothsna**, Asst. Professor presented a paper on 'Performance Enhancement of MIMO-OFDM System Using Different Equalization Techniques' in 12th International Conference on Recent Engineering And Technology 2021 ICRET-2021, Oct 2021.
- ❖ **Mrs.T.Sunitha**, Asst. Professor presented a paper on 'Simulation of Successive Interference Cancellation of NOMA' in International Conference on Advances in Engineering, Science and Management (ICAESM-2021) held on 28/11/21 & 29/11/21.
- ❖ **Mr.G.Krishna Reddy**, Assoc. Professor presented a paper on 'Spider Monkey optimization based weighted partial Transmit Sequence (PTS) For OFDM PAPR reduction' in Conference IOT for Rural Health Care,(CIRH-2021), Dec 2021.
- ❖ **Dr.Rajkumar L.Biradar**, Professor, presented a paper on 'Performance Analysis of Image Inpainting using K-Nearest Neighbor' in IEEE 4th International Conference on Smart system and Inventive Technology (ICSSIT-2022), Jan 2022.
- ❖ **Mrs.V.Anitha**, Asst. Professor presented a paper on 'A Planar High Directional Bow-tie Yagi-Uda Antenna for Compact THz Wireless Devices' in 2021 IEEE Indian Conference on Antennas and Propagation (InCAP), Mar 2022.
- ❖ **Dr.A.Naveena**, Asst. Professor presented a paper on 'Assistant Talking Bot-For People with Physical Disabilities' in International Conference on Recent Development in Computer & Information Technology (ICRD CIT-22) held on 25/06/22.
- ❖ **Dr.A.Naveena**, Asst.Professor presented a paper on 'A Survey on Physical Layer Performance of MIMO-WIMAX' in IEEE 3rd International Conference on Engineering and Advancement in Technology held on 8/07/22 & 9/07/22.
- ❖ **Dr.A.Naveena**, Asst. Professor presented a paper on 'Density Based traffic System' in IEEE 3rd International Conference on Engineering and Advancement in Technology held on 8/07/22 & 9/07/22.

Workshops/FDP's/Online Courses attended by Faculty

- ❖ **Dr.K.Rama Linga Reddy**, Professor & HOD, **Mr.G.Krishna Reddy**, Assoc. Professor, **Dr.M.Vijaya Lakshmi**, Asst. Professor, **Ms.T.Sunitha**, Asst. Professor, **Ms.P.Sree Sudha**, Asst. Professor, **Ms.K.Sarada**, Asst. Professor, **Ms.V.Anitha**, Asst. Professor, **Mr.V.Vikas** Asst. Professor, **Mr.A.Chandra Shaker**, Asst. Professor, **Ms.M.Jyothsna**, Asst. Professor attended a workshop on 'Artificial Intelligence And Machine: Real Time Applications' conducted by GNITS in association with NIT Warangal, E&ICT Academy from 20/09/21 to 30/09/21.
- ❖ **Dr.K.Rama Linga Reddy**, Professor & HOD, **Mr.G.Krishna Reddy**, Assoc. Professor, **Dr.A.Naveena**, Asst. Professor, **Dr.M.Vijaya Lakshmi**, Asst. Professor, **Ms.T.Sunitha**, Asst. Professor, **Ms.P.Sree Sudha**, Asst. Professor, **Ms.K.Sarada**, Asst.Professor, **Ms.V.Anitha**, Asst.Professor, **Ms.M.Jyothsna**, Asst. Professor and **Ms.G.Swetha**, Asst. Professor attended a workshop on 'Recent and Emerging Trends in Wireless Communications:4Gand 5G Technologies' conducted by GNITS in association with NIT Warangal, E&ICT Academy from 06/09/21 to 16/09/21.
- ❖ **C.Saraswathi**, Lab Assistant successfully completed the course on 'Basics of R Software for Data Science' from Udemy and certificate was issued on 24/09/21.

- ❖ **K.Subhashini**, Lab Assistant and **D.Jayavani**, Lab Assistant successfully completed the course on '**Front end Development-HTML**' from Great Learning Academy and certificate was issued 01/09/21.
- ❖ **Ms.M.Jyothsna**, Asst. Professor attended a workshop on '**AWS and Machine Learning**' conducted by Andhra Loyola Institute of Engineering and Technology in association with NIT Warangal, E&ICT Academy from 04/10/21 to 13/10/21.
- ❖ **Dr.Rajkumar L.Biradar**, Professor, attended an FDP on '**Artificial Intelligence and Machine Learning with Python Programming**' conducted by BLDEA's VP Dr.P.G.Halakatti College of Engineering and Technology, Viyapur from 11/10/21 to 22/10/21.
- ❖ **Mr.V.Vikas**, Asst. Professor and **Mr.A.Chandra Shaker**, Asst. Professor attended 5 days short Term Training on '**REACT JS**' conducted by Brain O Vision Solutions Pvt.Ltd. from 06/12/21 to 10/12/21.

- ❖ **Mr.A.Chandra Shaker**, Asst. Professor attended a National Seminar on '**Synergizing Higher Education in the Context of NEP-2020: Strategies for Implementation**' conducted by Osmania University, Hyderabad from 22/12/22 to 23/12/22.
- ❖ **Mr.N.Rama Krishna**, Asst. Professor successfully completed the Courses on '**Designing Learner-Centric MOOCs**' from Course Era from 01/01/22 to 01/02/22.
- ❖ **Dr.A.Naveena**, Asst. Professor attended a Short term course on '**Concepts in Measurement, Laboratory Experiment and Modelling of Atmospheric Aerosols Centre for Continuing Education**' conducted by IIT, Madras from 07/03/22 to 12/03/22.
- ❖ **Dr.Rajkumar L.Biradar**, Professor, attended an FDP on '**Advanced Technologies and Challenges in Electronics and Communication Engineering**' conducted by GATES Institute of Technology from 08/03/22 to 12/03/22.

Technical Associations in the Department

TELESTORM ETM Technical Association



President
Dr.K.Rama Linga Reddy
Professor & HOD, ETE



Faculty Coordinator
Dr.M.Vijaya Lakshmi
Assistant Professor, ETE

Student Secretary
T.Sai Meghana (III/IV)

Under the aegis of Telestorm, a series of activities were organized for the multifarious development of students.

- ❖ **Paper presentation on 08/04/2022:**
I Prize: **M.Veena**(19251A1741), **M. Shirisha** (19251A1742) of II/IV
II Prize: **Afifa Zohreen** (20251A1754), **Kalyani** (20251A1736) of II/IV
- ❖ **MAD-AD on 25/03/2022.**
I Prize: **M.Harika** (20251A1713), **Y. Neha** (20251A1728), **T. Jyosna** (20251A1725), **P. Sanjana** (20251A1716) of II/IV
II Prize: **A.Bala Vijaya Nirmala** (20251A1702), **B.Sushma** (20251A1735), **R.Harshitha** (20251A1750), **S.Shivani** (20251A1722) of II/IV.
- ❖ **GUESS THE LOGO on 3/01/2022.**
I Prize: **K.Anusha** (20251A1746), **M.Varsha** (20251A1747), **N.Deetya** (20251A1748) of II/IV.
II Prize: **Pragna** (19251A1728), **Aishwarya** (19251A1739), **Rithika** (19251A1712) of III/IV.

❖ Pictionary on 27/12/2021.

I Prize: **T.Bhavani** (20251A1727), **J.Aishwarya** (20251A1743) of II/IV.
II Prize: **A.Anusha reddy** (19251A1701) of III/IV, **Sofia Jasmine** (20251A1721) of II/IV.

❖ Just A Minute (JAM) on 06/12/2021.

I Prize: **S.Vathsalya** (20251A1753) of II/IV.
II Prize: **Appidi Anusha reddy** (19251A1701) of III/IV.
II Prize: **B.Vaishnavi** (20255A1701), **K.Meghana** (20255A1704), **K.Rashmika** (20251A1744), **S.Sowmya** (21255A1702), **K.Suchitra** (21255A1707) of II/IV.

❖ Essay Writing on 15/11/2021.

I Prize: **K.Dyuthi** (20251A1708) of II/IV.
II Prize: **K.Karishma** (19251A1737) of III/IV.



- ❖ **C.Saraswathi**, Lab Assistant, **K.Subhashini**, Lab Assistant and **D.Jayavani**, Lab Assistant successfully completed the course on 'Python Fundamentals for Beginners' from Great Learning Academy and certificate was issued on 01/03/22.
- ❖ **K.Subhashini**, Lab Assistant successfully completed the course on 'Introduction to Artificial Intelligence' from Great Learning Academy and certificate was issued 01/03/22.
- ❖ **K.Subhashini**, Lab Assistant attended a workshop on 'Electro-VLSI' conducted by VIT-Bhopal from 08/04/22 to 09/04/22.
- ❖ **D.Jayavani**, Lab Assistant successfully completed the course on 'A Complete Course on an IOT system –Design and Development' from Udemy and certificate was issued on 25/05/22.
- ❖ **Mr.N.Rama Krishna**, Asst.Professor successfully completed the Courses on 'Getting Started with Kaggle,'Build a Data Science Web App with Streamlit' and 'Python and Basic Image Classification with Tensor Flow' from Course Era Project Network.
- ❖ **Ms.M.Jyothsna**, Asst. Professor successfully completed a course on 'Machine Learning A-Z: Hands-On Python & R In Data Science'.
- ❖ **Dr.A.Naveena**, Asst. Professor, attended a workshop on 'Data science for Engineering Applications: Theory and Practice' conducted by NIT Warangal, E&ICT Academy from 11/07/22 to 20/07/22.
- ❖ **Dr.A.Naveena**, Asst. Professor, **Ms.A.Sneha Keerthi**, Asst. Professor and **Ms.K.Pranathi**, Asst. Professor successfully completed self-paced training course on 'Deep Learning Onramp'.
- ❖ **Dr.A.Naveena**, Asst. Professor, **Ms.A.Sneha Keerthi**, Asst. Professor and **Ms.K.Pranathi**, Asst. Professor successfully

completed self-paced training course on 'Machine Learning Onramp'.

- ❖ **Mr.A.Chandra Shaker**, Asst. Professor successfully completed the courses on 'Emerging Technologies: From Smart phones to IoT to Big Data' and 'AR (Augmented Reality) & Video Streaming Services Emerging Technologies' from Course Era and certificate was issued on 27/04/22.
- ❖ **C.Saraswathi**, Lab Assistant successfully completed the course on 'Excel Skills for Business Essentials' from Course Era and certificate was issued on 28/05/22.
- ❖ **Mr.V.Vikas**, Asst. Professor successfully completed the courses on 'Cyber Security And Ethical Hacking' and certificate was issued on 30/06/22.

Student's Achievements

- ❖ **Anusha Dokka** (19251A1718), **M.Ishwarya** (19251A1739), **Clementina Rithika** (19251A1712) of III/IV received 'Outstanding Performer' certificate in Internshala's Campus Ambassador Program conducted by Internshala Student Partner (ISP) 22 edition, Internshala held on 07/07/21.
- ❖ **Fareeha Hameed** (18251A1707) of IV/IV received 'Young Engineer Award' on ISTE Students Chapter Engineers Day Celebrations conducted by GNITS held on 05/09/21.
- ❖ **Aishwarya Rao** (20251A1731) of II/IV got I Prize in Technical Writing Competition conducted by IETE ISF DBIT in association with IETE- M Center held on 01/02/22.
- ❖ **Fareeha Hameed** (18251A1707) of IV/IV received 'GNITS STAR WOMEN OF THE YEAR – 2022' in the event International Womens' Day Celebration s conducted by GNITS held on 08/03/22.
- ❖ **Arshiya** (20251A1733), **P.Sanjana** (20251A1716), **Pujitha** (20251A1709), **T.Sowmya** (20251A1724) of II/IV got I Prize in Paper Presentation conducted by IGNIUM2K22, GNITS held on 18/06/22.

Academic Toppers

B.Tech

IV-II Sem(2018 Batch)



C. Deekshitha Chowdary
(18251A1705)
SGPA – 9.85



T. Samiksha Goud
(18251A1728)
SGPA – 9.7



V.Naimisha
(18251A1759)
SGPA – 9.86



T. Samiksha Goud
(18251A1728)
SGPA – 9.71



G Vinusha
(18251A1738)
SGPA – 9.7



Gyogini
(18251A1739)
SGPA – 9.55



B Shashitha
(19251A1708)
SGPA – 9.75



Sheela Sangeetha
(19251A1753)
SGPA – 9.5

IV-I Sem(2018 Batch)

III-II Sem (2018 Batch)

III-I Sem (2019 Batch)

II-II Sem (2019 Batch)



Sheela Sangeetha
(19251A1753)
SGPA – 9.66



D.Sai Anusha
(19251A1718)
SGPA – 9.42



Manusani Sharanya
(19251A1743)
SGPA – 9.42



S.Vathsalya
(20251A1753)
SGPA- 9.58



B. Sahithi
(20251A1705)
SGPA- 9.46



M.Akhila
(20251A1712)
SGPA- 9.46

II-I (2020 Batch)

M.Tech

III Sem (2020 Batch)



K.Vyshnavi
(20251D6504)
SGPA – 9.81



S. Grishma
(20251D6507)
SGPA – 9.44

II Sem (2020 Batch)



K.Vyshnavi
(20251D6504)
SGPA – 9.33



U.Divya
(20251D6508)
SGPA – 9.33



L.Vineesha
(20251D6506)
SGPA – 8.56

I Sem (2021 Batch)



K Vaishnavi
(21251D6501)
SGPA – 8.89



C Anisha
(21251D6502)
SGPA – 8.89

- ❖ Fareeha Hameed (18251A1707) of IV/IV received 'Student of the year Award' on Graduation day celebration conducted by GNITS held on 20/07/22.

NPTEL Online Certification Courses in the department by Staff

- ❖ Mr.N.Rama Krishna, Asst. Professor has successfully completed an NPTEL course on 'Designing Learner-Centric MOOCs'(Elite +Silver), 'NPTEL-VuNet Data-Centric AI Masterclass' and 'The Joy of Computing using Python'(Elite +Silver).
- ❖ Dr.A Naveena, Asst. Professor has successfully completed an NPTEL course on 'Introduction to Industry 4.0 and Industrial Internet of Things' (Elite +Silver) and 'Operating System Fundamentals' (Elite).
- ❖ Dr.M.Vijayalakshmi, Asst. Professor has successfully completed an NPTEL course on 'Signal Processing for mm Wave communication for 5G' (Elite) and 'Beyond Evolution of Air Interface towards 5G' (Elite).
- ❖ Mrs.P.Sreesudha, Asst. Professor has successfully completed an NPTEL course on 'Introduction to Internet of Things'.
- ❖ Mr.Chandra Shaker Arrabotu, Asst. Professor has successfully completed an NPTEL course on 'Introduction to Industry 4.0 and Industrial Internet of Things' (Elite+Silver -Top 1%).

NPTEL Online Certification Courses in the department by Students

- ❖ Devarampally Greeshma Reddy (19251A1719) and Donthula Aashritha (19251A1720) Noora Raalah (19251A1747) Successfully Completed an NPTEL Course on 'Introduction to Internet of Things'.

Online Courses attended by IV/IV B.Tech

- ❖ Hasitha Gajula (18251A1708) completed a course on 'Robotics Symposium' organized by IIT Mumbai and certificate was issued on 01/09/21.
- ❖ Bhavya Kuppli (18251A1715) and Deekshitha Cheekati (18251A1705) completed a course on 'Digital Nurture 2021 – Workplace Skills to Leap Ahead' organized by NASSCOM & Cognizant and certificate was issued on 21/09/21.
- ❖ Deekshitha Cheekati (18251A1705) completed a course on 'Computer Components and Peripherals for IT Technicians' organized by LinkedIn Learning and certificate was issued on 15/12/21.
- ❖ Kuppli Bhavya (18251A1715) completed a course on 'JavaScript Basics for Beginners' organized by Udemy and certificate was issued on 23/12/21.
- ❖ Kuppli Bhavya (18251A1715) completed a course on 'Object Oriented Programming with C# - Beginner to Advanced' organized by Udemy and certificate was issued on 30/12/21.
- ❖ Kuppli Bhavya (18251A1715) completed a course on 'Agile Fundamentals: Including Scrum and Kanban – 2021' organized by Udemy and certificate was issued on 04/01/22.
- ❖ Kuppli Bhavya (18251A1715) completed a course on 'The Complete React JS and Redux Course – Build Modern Web Apps' organized by Udemy and certificate was issued on 04/01/22.
- ❖ Fareeha Hameed (18251A1707) completed a course on 'Learning Cloud Computing: Core Concepts(2019)'

organized by LinkedIn Learning and certificate was issued on 06/01/22

- ❖ Kuppli Bhavya (18251A1715) completed a course on 'Azure DevOps Fundamentals for Beginners' organized by Udemy and certificate was issued on 12/01/22.
- ❖ Kuppli Bhavya (18251A1715) completed a course on 'VisualStudio Mastery with C# - Double Your Productivity' organized by Udemy and certificate was issued on 17/03/22.
- ❖ Deekshitha Cheekati (18251A1705) completed a course on 'Windows 10 for IT Pros Essential Training' organized by LinkedIn Learning and certificate was issued on 19/03/22.
- ❖ Deekshitha Cheekati (18251A1705) completed a course on 'Networking Foundations: Network Media (LANs)' organized by LinkedIn Learning and certificate was issued on 20/03/22.
- ❖ Deekshitha Cheekati (18251A1705) completed a course on 'Networking Foundations: Protocols and CLI Tools (2016)' organized by LinkedIn Learning and certificate was issued on 20/03/22.

Online Courses attended by III/IV B.Tech

- ❖ Donthula Aashritha (19251A1720) and G.Saisri (19251A1724) completed a course on 'Data Analyst Training Program' organized by SHAPEAI from 01/06/21 to 0/08/21.
- ❖ G.Saisri (19251A1724) completed a course on 'Full Stack Web Development Training Program' organized by SHAPEAI from 01/06/21 to 0/08/21.
- ❖ Sravya Jale (19251A1754) completed a course on 'Java Programming' organized by Great Learning and certificate was issued on 01/09/21.
- ❖ Sravya J (19251A1754) completed a course on 'The Fundamentals of Digital Marketing' organized by Google Digital Garage and certificate was issued on 01/09/21.
- ❖ Vidya Reddy (19251A1750) completed a course on 'Adobe UX Foundation Learning Journey' organized by NASSCOM & Adobe and certificate was issued on 16/09/21.
- ❖ Tanmayi (19251A1745) completed a course on 'Python Fundamentals for Beginners', 'Android App with Python', 'Python for Machine Learning', 'Smart English Basics for Professionals and Front end Development – HTML' organized by Great Learning Academy and certificate was issued on 1/10/21.
- ❖ Sravya Jale (19251A1754) completed a course on 'HTML Attributes and Tags' organized by Great Learning Academy and certificate was issued on 01/10/21
- ❖ Samala Vidya Reddy (19251A1750) completed a course on 'Project Build-A-Thon' organized by IBM from 06/10/2021 to 30/10/21.
- ❖ Kaveri Gorla (19251A1726) completed a course on 'Fundamentals of Python Programming' organized by Edystand and certificate was issued on 10/01/22.
- ❖ Kaveri Gorla (19251A1726) completed a course on 'Getting Started with Cloud for the Enterprise' and 'Getting Started with Enterprise Data Science' organized by IBM and certificate issued on 25/01/22.
- ❖ Gajula Saisri (19251A1724) completed a course on 'C++ and Data Structures' organized by INTERNSHIP STUDIO16/02/22.

- ❖ **Gunda Rushika** (19251A1722) completed a course on 'Python (Basic) HackerRank' and certificate was issued on 28/05/22.
- ❖ **Kundala Sridevi** (19251A1736) completed a course on 'Web Design with HTML/CSS' organized by Techgyan Technologies 01/05/22 to 30/06/22.

Online Courses attended by II/IV B.Tech

- ❖ **Bollineni Sahithi** (20251A1705) and **S. Vathsalya** (20251A1753) completed a course on 'Design and Analysis of Advanced Antenna Systems' organized by IEEE MTT-S Vardhaman Student Chapter, Vardhaman College of Engineering from 23/08/2021 to 28/08/21.
- ❖ **S.Vathsalya** (20251A1753) completed a course on 'Introduction to Blockchain Technology' organized by IETE, Hyderabad Centre and certificate was issued on 29/08/2021.
- ❖ **Polkam Srinidhi** (20251A1718), **Thipparaju Srivaishnavi** (20251A1726), **Doniparthi Ishitha** (20251A1737) completed a course on 'Web Development' organized by Brain O Vision Solutions India Pvt. Ltd and GNITS, IT Dept. from 01/08/21 to 29/08/21.
- ❖ **Aishwarya Rao** (20251A1731) completed a course on 'Data Structures and Algorithms with Java' organized by Code for Cause from 04/07/21 to 11/09/21.
- ❖ **Sahithi Bollineni** (20251A1705), **Dyuthi Konala** (20251A1708), **S.Vathsalya** (20251A1753) completed a course on 'Ethical Cyber Hacking' organized by Homefic Wegrow and certificate was issued on 15/09/21.
- ❖ **Adepu Sathvika** (20251A1701), **Ambati Bala Vijaya Nirmala** (20251A1702), **B Lalithya** (20251A1703), **Bollineni Sahithi** (20251A1705), **Devaragatla Ramyasri** (20251A1706), **Akshaya Krupa Kalal** (20251A1707), **Dyuthi Konala** (20251A1708), **Manideepa Kasula** (20251A1711), **Mucharla Akhila** (20251A1712), **M.Harika** (20251A1713), **Palavarapu Joshitha** (20251A1715), **P Sanjana Reddy** (20251A1716), **Polkam Srinidhi** (20251A1718), **Ashrafa Shaik** (20251A1720), **Shaik Sofia Jasmine** (20251A1721), **Sheri Shivani** (20251A1722), **Thatipalli Sowmya** (20251A1724), **Thippani Jyoshna** (20251A1725) **Thipparaju Srivaishnavi** (20251A1726), **Thoka Bhavani** (20251A1727), **Yarrapothu Neha** (20251A1728), **Aishwarya Rao** (20251A1731), **Arshiya** (20251A1733), **B Sushma** (20251A1735), **Boddulah Kalyani** (20251A1736), **Gundapaneni Sai Pravalika** (20251A1742), **Rashmika Khandesh** (20251A1744), **K.Anjali** (20251A1745), **Anusha** (20251A1746), **N. Deetya Reddy** (20251A1747), **Ojaswi Cheekati** (20251A1749), **Ramavath Harshitha** (20251A1750), **Seepelly Likitha** (20251A1751), **Shreya Konderi** (20251A1752), **S.Vathsalya** (20251A1753), **Thoutam Vyshnavi** (20251A1755), **Woolichi Harshavalli** (20251A1757), **Manideepa Kasula** (20251A1711) **Mandava Pujitha** (20251A1709), **Devaragatla Ramyasri** (20251A1706), **Sogasani Sandhya Lakshmi** (20251A1723), **Pranathi Govindu** (20251A1740) completed a course on 'Introduction to C++' organized by CODING NINJAS from 01/03/21 to 30/10/21.
- ❖ **Ambati Vijaya Nirmala** (20251A1702) completed a course on 'Basics of AI without the hype' organized by WiselyWise and certificate was issued on 10/11/21.
- ❖ **Mucharla Akhila** (20251A1712), **Polkam Srinidhi** (20251A1718), **Thatipalli Sowmya** (20251A1724) **Geddam Sravya** (20251A1739), **Silveru Sowmya** (21255A1702), **Mucharla Akhila** (20251A1712) completed a course on 'Smart Sensors and Applications' and certificate was issued on 21/11/21.
- ❖ **Silveru Sowmya** (21255A1702) completed a course on 'Cyber Warfare' organized by IETE, Hyderabad Centre and certificate was issued on 12/12/21.
- ❖ **S.Vathsalya** (20251A1753) completed a course on 'The Changing Face Of Broadcasting' organized by IETE, Hyderabad Centre 05/12/21.
- ❖ **Ambati Vijaya Nirmala** (20251A1702) completed a course on 'Conversational AI- Foundation' organized by Wisely Wise and certificate was issued on 05/01/22.
- ❖ **Doniparthi Ishitha** (20251A1737) completed a course on 'Cyber Security and Ethical Hacking' organized by ICSO and certificate was issued on 07/01/22.
- ❖ **Woolichi Harshavalli** (20251A1757) completed a course on 'Artificial Intelligence – Personify iStop' organized by Tech Fest, IIT Bombay from 11/11/21 to 11/01/22.
- ❖ **Cheekati Ojaswi** (20251A1749) completed a course on 'C Programming Language for Beginners – Master the C Language' organized by Udemy and certificate was issued on 22/01/22.
- ❖ **Silveru Sowmya** (21255A1702) completed a course on 'Indian Space Program' organized by IETE, Hyderabad Centre and certificate was issued on 23/01/22.
- ❖ **Ojaswi Cheekati** (20251A1749) completed a course on 'Problem Solving Using Computational Thinking University of Michigan' through Course Era and certificate was issued on 30/01/22.
- ❖ **Aishwarya Rao** (20251A1731) completed a course on 'Introduction to Artificial Intelligence' organized by Great Learning Academy and certificate was issued on 1/03/22.
- ❖ **Sathvika Adepu** (20251A1701), **Pujitha Mandara**, (20251A1709) **Mucharla Akhila** (20251A1712), **Thatipalli Sowmya** (20251A1724), **Thipparaju Srivaishnavi** (20251A1726) **Arshiya** (20251A1733), **Rashmika Khandesh** (20251A1744), **Ojaswi Cheekati** (20251A1749) completed a course on 'Cyber Security and Ethical Hacking' organized by ETE Dept., GNITS from 28/03/22 to 30/03/22.
- ❖ **Arshiya Syed** (20251A1733) completed a course on 'Amazon Web Services' organized by Brainovision Solutions India Pvt. Ltd and GNITS, IT Dept. 3/04/22 to 9/04/22.
- ❖ **Nabi Unnisa** (21255A1703) completed a course on 'ELECTRO-VLSI' organized by SKILLUP & VIT BHOPAL from 08/04/22 to 9/04/22.
- ❖ **Mucharla Akhila** (20251A1712) completed a course on 'Role of IoT in Smart Grid Technology' organized by IETE, Hyderabad Centre and certificate was issued on 01/05/22.



Information Technology

Dr. I. Ravi Prakash Reddy, Professor & Head

Dr. I. Ravi Prakash Reddy pursued his B.Tech from Vasavi College of Engineering, Hyderabad in 1994 and M.Tech from Andhra University, Vizag in 1997. He obtained his Ph.D from JNTU Hyderabad in 2011. He has over 24 years of teaching experience and has 31 research publications to his credit in both National and International Journals. Currently 4 research scholars are pursuing Ph.D under his guidance. He joined GNITS in 2001 and took charge as Head of the Department IT in 2011. He is an Editorial Board member of 'Journal of Current Trends in Information Technology', and also a member of professional bodies such as CSI, ISTE. He is the incharge of Computers maintenance, Internet & Wi-Fi in the institution and SPOC for Apple & Infosys Campus Connect Programs.

Department Vision

- To build a prime transformative learning community that responds swiftly to the challenges of Information Technology.

Department Mission

- To foster an intellectual environment that delivers virtuous Information Technocrats with commitment to industry and society by strengthening the logical, analytical and applicative skills to excel academically and professionally.
- To inculcate good communication skills in students and introduce them to various codes of professional practices for carrying out effective team collaborations and project management in the field of IT.

Program Educational Objectives (PEOs)

- PEO 1:** Providing students with a compelling foundation in Engineering and Basic Sciences that will further help them conduct investigations of complex problems.
- PEO 2:** Applying Scientific and Engineering methodologies using modern tools and techniques in the analysis, design, implementation and evaluation of information in the field of IT.
- PEO 3:** Promoting lifelong learning and help students aim for higher education and evolve as successful Engineers in the society.
- PEO 4:** Inculcating strong communication skills, ethics and various codes of professional practices useful in performing effective project management & team collaborations and enable them to sustain and excel in various environments.

Department Highlights

- New **CC-1 and CC-2 labs** were established within the Department for **Computer Science & Technology Course** in F-Block, III-floor, GNITS.
- Dr. S. Ramacharan**, Prof. has received **Senior Fellow (SFSIESRP) Grade & Educational Membership** title by the **Governing Council of SIESRP** (The Society of Innovative Educationalist & Scientific Research Professional, Chennai) on 10/06/2022.
- Dr. S. Ramacharan**, Prof. was appointed as 1) '**Honourable Editorial Board Member**' by **Innovative Scientific Research Professional, Malaysia**, on 02/06/2022. 2) '**Scientific Committee Member**' for International conference on Advances in Science, Engineering and Technology (ICASET), IFERP, during 29/12/21 and 30/12/21.
- Dr. Ch. Ramesh**, Asst. Prof. acted as **Steering Committee Member** for the **International conference on Advances in Science, Engineering and Technology (ICASET-2021)** held from 29/12/21 to 30/12/21.

- 108 out of 120 IT students of 2018-22 batch have bagged **155 offers** in various IT Companies.

Newly Joined Faculty

- Ms. G. Santhoshi**, M.Tech, Assistant Professor.
- Ms. T. Ammannamma**, M.Tech (Ph.D), Assistant Professor.
- Ms. P. Pooja Vithal Rao**, M.Tech, Assistant Professor.
- Ms. G. Divya**, M.Tech, Assistant Professor.
- Ms. P. Mounika**, M.Tech, Assistant Professor.
- Ms. K. Pavani**, M.Tech, Assistant Professor.
- Ms. Y. Rajalakshmi**, M.Tech, Assistant Professor.
- Dr. A. Vijayakrishna**, Ph.D, Assistant Professor.
- Mr. P. Purushotham**, M.Tech (Ph.D), Assistant Professor.
- Ms. B. Rajani**, M.Sc, Programmer
- Ms. B. Archana**, B.Sc., Programmer
- Ms. K. Sruthi**, B.Tech, Programmer

The following Workshops/ Guest Lectures were conducted for students.

- 24 Hours Hackathon - NASA International Space Apps Challenge 2022** Boot camp in association with **SPACE APPS INDIA** was held on 13/6/2022 & 18/6/2022.



- Guest lecture on '**Practical Applications of Machine Learning**', by **Ms. Sravanthi Upadrsta**, CEO, GenZ Technologies, Hyderabad and **Ms. Pushpa Yadav**, ML Architect, PepsiCo, Hyderabad on 6/6/22 for II & III B.Tech Students.



- One-week workshop on '**Amazon Web Services**' in association with **Brain-O-Vision Pvt Ltd** from 04/04/22 to 09/04/22 for II B.Tech students was coordinated by **Dr. L. Smitha**, Asst. Prof. and **Ms. S. Vaishnavi**, Asst. Prof.
- A Value added course on '**Android Development with Kotlin**' was conducted in association with **TASK** and **Google Developers** from 21-09-2021 to 28-12-2021 and was coordinated by **Ms. M. Bhavani**, Asst. Prof.
- A Value added course on '**Web Development + 30-Hours Hackathon**' was conducted in association with **BrainOVision Pvt Ltd** for I-B.Tech Students (ECE, EEE, ETM, IT, CST) from 19-08-2021 to 30-08-2021. **Mr. Ganesh Nag**, CEO, Brain O Vision was the Resource Person. **Ms. Ch. Sravanthi**, Assistant



Professor, IT Dept, and GNITS IT Alumni student **Ms.K.Shivani**, Senior Consultant, Thought works acted as judges for the Hackathon.

- ❖ A Value added course on 'Algo Dynamics' was conducted by **Prof.C.Venkatesh**, IIIT, Hyderabad for III B.Tech students from 07/04/2021 to 07/07/2021 was coordinated by **Ms.M. Deepthi**, Asst.Prof.
- ❖ One day workshop on 'Open Source Software Development' in association with **Swecha (Open Source Software Foundation)** for II-B.Tech students on 26-03-2022. The speakers were **Ms.Druva Manasa**, Pega Decision Consultant, Adqura IT Solutions and **Mr.Shashikanth**, Technical Architect, Sphere Software Solutions and Executive Committee Member of Swecha.
- ❖ A Webinar on 'Competitive Coding' was conducted for II B.Tech students on 03/02/2022 by **Mr.C.Chaitanya**, Tech Lead, DE Shaw Company.
- ❖ Webinar on 'Career Opportunities' was conducted in association with ACE Engineering college for II and III B.Tech students on 29/01/2022 by **Mr.S.M.M.Trinath**, Motivational Speaker, Faculty of ACE Engineering Academy.
- ❖ Guest lecture on 'Machine Learning and AI' was delivered by **Mr.Shankar Raju**, MD, Hebeon Technologies for III B.Tech students on 23/10/2021.
- ❖ Technical Talk on 'Software Freedom followed by Glug Conference' was given by **Ms.Pravalika**, Executive Member of Swecha, Data Analyser at Pepsico and **Ms.Ravalisri**, Free Software Hacktivisit, Full Stack Developer at SWECHA for B.Tech and M.Tech students on 26/11/2021.
- ❖ Technical Talk on 'Data Modernization' was given by **Mr.Vijay Kadiyala**, DBS for II B.Tech students on 20/11/2021.

Faculty Achievements

- ❖ **Dr.I.Ravi Prakash Reddy**, Professor & HOD received
 - **Jyeshta Acharya Award** by **Bharat Education Excellence Award 2020-21**.
 - **Elsevier Reviewer Recognition Award** in September 2021
- ❖ **Dr.S.Ramacharan**, Professor received 'Innovative Researcher & Dedicated Excellent Professional Achievement Award' by the society of Innovative Educationalist & Scientific Research Professional, Chennai on 26/06/2022.
- ❖ **Dr.Ch.Ramesh**, Asst.Prof. received
 - **International Young Researcher Award 2020-21** by International Institute of Organized Research (I2OR) India.
 - **Appreciation certificate** for Revieweing papers for 2021 **Fourth International Conference on Computing and Communi-cations Technologies (ICCCT-21)**.
 - **Appreciation** for Technical Program Committee (TPC) of **FICTA-2021**.
 - **Primary Evaluator Award-Toycathon-2021**.

- ❖ **Dr.V.Sesha Bhargavi**, Asst.Prof. received
 - **Doctor of Philosophy Degree** in **Computer Science and Engineering** from **Jawaharlal Nehru Technological University, Hyderabad**.
 - **Best Woman Faculty of the Year 2022** in III International Inspirational Women Awards-2022 by GISR Foundation.
 - **GNITS-IT-Star Woman of the Year - 2022**.
 - **Primary Evaluator Award-Toycathon-2021**.
- ❖ **Ms.M.Bhavani**, Asst.Prof. has received
 - **Educator certificate** from 'Google Developers' for leading 'Android Educator Program' as an educator in Telangana Academy for Skill and Knowledge for the academic Year 2020-2021 on February-2022.
 - Featured **Faculty Spotlight column** in 'Google Developers' Newsletter in November 2021 edition.
- ❖ **Ms.M.Deepthi**, Asst.Prof has successfully completed Faculty Training Program as a part of LITE in association with ACITE during September and October 2021.
- ❖ **Dr.I.Ravi Prakash Reddy**, Professor & HOD and **Ms.M.Jyothi**, Junior Administrator trained 20 students in online (VIII & IX class of APR School of Excellence, Kodigenahalli) on 'Basics of Coding in Computer C Programming Language' under **SAKSHAM Programme** organized by Babul Films Society, Hyderabad during the March 2021 and April 2021.
- ❖ **Ms.Ch.Sravanthi**, Asst. Prof. secured State 63 Rank in **APRCET-2021**.
- ❖ **Mr.B.Vijaykumar**, Asst.Prof. got qualified in **UGC NET-2021**.
- ❖ **Ms.D.Vandana**, Asst.Prof. has successfully completed
 - **5 modules** in 'National Initiative for Technical Teachers Training' conducted by **All India Council for Technical Education (AICTE)** during February 2022 to July 2022.
 - **3 months 'Cyber Security training'** in Web Application Vulnerability Assessment & Penetration Testing from **Supraja Technologies** during December - 2021 to February 2022.
 - **12 weeks online Program** on 'Excellence in Cyber Security' organized by **Centre of Excellence in Cyber Security, JNTUH**.
 - And she has also received **appreciation certificate** for Faculty Coordinator in the event **WEB Application Hackathon** held on 20/6/22 & 21/6/22 organized by **IEEE SB GNITS**.
- ❖ **Ms.D.Sreelakshmi**, Programmer has won **Rs.2000/- Cash prize** in 'Logo Contest' for the **Best Name and Logo** for



upcoming PGDM College proposed by Management on 11/03/2022.

Faculty Publications

- ❖ **Dr.I.Ravi Prakash Reddy**, Professor & Head and **Dr.S.Prabavathy**, Assoc.Prof. published a book chapter titled 'Exploring the dichotomy on opportunities and challenges of smart technologies in healthcare systems' in *Edge-of-Things in Personalized Healthcare Support Systems A volume in Cognitive Data Science in Sustainable Computing Elsevier*, ISBN:978-0-323- 90585-5, pages 1-24, January-2022.
- ❖ **Dr.S.Ramacharan**, Assoc.Prof. published a book titled 'Schedule Based Effort Estimation Model for Global Software Development' in *Lambert Academic Publishing (LAP) Republic of Moldova*, ISBN 978-620-4-95352-6, Jul 2022
- ❖ **Dr.S.Ramacharan**, Assoc.Prof. published papers titled 1) 'Image-based Air Quality Analysis using Deep Convolutional Neural Network Predicting Ambient Air Pollutant Levels' in *Science, Technology and Development Journal* (UGC Care approved Journal), ISSN No:0950-0707, Vol-X, Issue-IX, Sep-2021 2) 'A complete Study on Heart disease detection approach based on analysis of multiple machine learning Algorithms' in *International Journal of All Research Education and Scientific Methods (IJARESM)*, ISSN: 2455-6211, Volume 9, Issue 8, August -2021.
- ❖ **Dr.V.Supriya**, Assoc.Prof. and **Dr.S.Prabavathy**, Assoc.Prof. published a paper titled 'SDN Based Cognitive Security System for Large Scale Internet of Things Using Fog Computing' in *IEEE Xplore 2021 International Conference on Emerging Techniques in Computational Intelligence (ICETCI)*, ISBN:978-1-6654-1559-0, October 2021.
- ❖ **Dr.S.Prabavathy**, Assoc.Prof. and **Dr.I.Ravi Prakash Reddy**, Professor & Head published paper titled 'Privacy Preserving Intrusion Detection System for Low power Internet of Things' in *International Conference on Computational Intelligence and Data Analytics*, ISSN:2367-4512, January 2022.
- ❖ **Dr.Ch.Ramesh**, Asst.Prof. published papers titled
 - 'Intelligent Automated Traffic Management System' in *ZKH International Journal* (UGC approved Journal), ISSN No: 2366-1313, Vol-VII, Issue-I, June-2022.
 - 'New Model to Store and Manage Private Healthcare Records Securely using Block Chain Technologies' in *International Conference on Bangabandhu and digital Bangladesh (ICBBDB-2021)*, Springer, Dec-2021.
 - 'Generating Automatic Ground Truth by Integrating Various Saliency Techniques' in *2nd International conference on Advances in Computer Engineering & communication Systems (ICACECS-2021)*, CSI & Springer, Aug-2021.
- ❖ **Ms.V.Usha**, Asst.Prof. published a paper titled 1) 'Advanced patients Heart Rate Monitoring system using Cloud based Android System' in *Second International Conference on Electronics and Sustainable communication Systems (ICESC-2021)*, IEEE Xplore Part No: CFP21V66-ART, ISBN: 978-1-6654-2867-5, Sep-2021.
- ❖ **Ms.Ch.Sravanthi**, Asst.Prof. published a paper titled 'Deep Learning and Blockchain for Electronic Health Record in Healthcare System' in *International Conference on Information System Design and Intelligent Application*, 25/2/2022 and 26/2/2022.
- ❖ **Ms.G.Santhoshi**, Asst.Prof. published a paper titled 'Development of Different Word Vectors and Testing using Text Classification Algorithms for Telugu' in *5th International Conference on Smart Computing and Informatics (SCI-2021)*, Sep-2021.
- ❖ **Ms.P.Pooja**, Asst.Prof. Published a paper titled 'Analysis of Artificial Intelligence Enabled Intelligent Sixth Generation (6G) Wireless communication Networks' in *IEEE International Conference on Data Science and Information System (ICDSIS-2022)*, IEEE Bangalore, 29/7/2022 and 30/7/2022.

Workshops/Seminars attended by Faculty

S.No	Staff Name	Designation	Workshop	Organization	Date
1.	PN.Ramya	Asst.Prof.	Regional Meet Institutions Innovation Council MoE's Innovation Cell	SIST	12/8/22
2.	Dr.V.Supriya, U.Jyothi	Assoc.Prof. Asst.Prof.	Designing and Modelling of IoT, AI, & ML Systems	AICTE, ATAL Academy	1/8/22 to 5/8/22
3.	G.Divya P.Pooja	Asst.Prof. Asst.Prof.	Faculty Training Workshop on Effective Teaching & Mentoring	CII Telangan	20/07/22
4.	Ch.Sravanthi U.Jyothi	Asst.Prof. Asst.Prof.	AI-Driven IT Automation with AIOPS	IIIT, Kottayam	23/7/22 & 24/7/22
5.	U.Jyothi D.Vandana K.Jaysree A.Nageswari	Asst.Prof. Asst.Prof. Asst.Prof. Asst.Prof.	Web Application Development	AIE	11/7/22 to 22/7/22
6.	A.Nageswari	Asst.Prof.	Python 101 on Data Sceicne	IBM	11/7/22
7.	V.Usha A.Nageswari T.Ammannamma	Asst.Prof. Asst.Prof. Asst.Prof.	Current Research Trends in Computer Science	Krishna University	4/7/22 to 8/7/22
8.	A.Nageswari	Asst.Prof.	Data Science and machine Learning using Python	MIT	4/7/22 to 8/7/22
9.	Y.Rajalakshmi K.Pavani	Asst.Prof. Asst.Prof.	Faculty Enrichment Program	Mindtree	30/06/2022

10.	Dr.V.Sesha Bhargavi, M.Sridevi, D.Vandana, PN.Ramya, K.Jaysree,	Asst.Prof. Asst.Prof. Asst.Prof. Asst.Prof.	Web Application Hackathon	GNITS	20/06/22 & 21/06/22
11.	D.Vandana, A.Nageswari,	Asst.Prof. Asst.Prof.	National Intellectual Property Awareness Mission	NIPAM	17/6/2022
12.	Dr.CH.Anitha, Dr.V.Sesha Bhargavi, Ch.Sravanthi	Professor Asst.Prof. Asst.Prof.	Yoga for Wellness	GNITS	12/6/22
13.	Ch.Sravanthi	Asst.Prof.	AI-Driven IT Automation with AIOPS	IIIT Kottayam	23/7/22 & 24/7/22
14.	Ch.Sravanthi	Asst.Prof.	Yoga for Wellness	GNITS	12/6/22
15.	G.Santhoshi	Asst.Prof.	Frontiers of Data Science in Trending Technologies	MGIT	9/5/22 to 13/5/22
16.	G.Santhoshi	Asst.Prof.	Webinar on Introduction to Blockchain Technology & Applications	IETE, Hyderabad	24/4/22
17.	G.Santhoshi	Asst.Prof.	Webinar on Cloud Computing in Digital Era	IETE, Hyderabad	3/4/22
18.	G.Santhoshi	Asst.Prof.	FTP on Industry 4.0	IEEE India Council	2/4/22 & 3/4/22
19.	Ch.Sravanthi	Asst.Prof.	10-day FDP on Data Science and its applications	E & ICT Academy, NIT, Warangal	7/3/22 to 16/3/22
20.	D.Vandana	Asst.Prof.	Cyber Security for Next Generation Technologies: Challenges and Solutions	IIT, Kancheepuram	7/3/22 to 12/3/22
21.	Dr.CH.Ramesh	Asst.Prof.	Online Master Class on Assure with MS Azure Cloud	Infosys	Feb-2022
22.	M.Sridevi, D.Vandana	Asst.Prof. Asst.Prof.	30 Days Master Class on Python Programming	Pantech e Learning Pvt Ltd	28/02/22 to 29/02/22
23.	Ch.Sravanthi	Asst.Prof.,	FDP on Emerging Trends and Advances in Computational Intelligence (ETACi-2022)	Babu Banarasi Das Institute of Technology	28/2/22 to 5/3/22
24.	D.Vandana	Asst.Prof.	Cyber Security (Web Application Vulnerability Assessment & Penetration Testing) Training	Supraja Technologies	21/02/2022
25.	V.Sesha Bhargavi	Asst.Prof.	Pedagogy Innovative Methods of Teaching and Learning	Bharat Institute of Engineering and Technology	7/2/22 to 12/2/22
26.	B.Vijaykumar	Asst.Prof.	NIPAM Awareness Training Program	Intellectual Property office , INDIA	29/01/22
27.	T.Ammannamma	Asst.Prof.	FDP on Powe-BI	CMR Engineering College	24/1/22 to 31/1/22
28.	G.Santhoshi	Asst.Prof.	Effective Teaching Methodologies	GNITS	22/01/22
29.	G.Santhoshi	Asst.Prof.	Food Processing Machines Manufacturing and Technologies	IETE, Hyderabad	9/1/22
30.	Dr.Ch.Krishna Keerthi	Asst.Prof.	Digital Transformation through Industry 4.0 Technologies	Thakur College of Engineering and Technology	03/01/22 to 8/1/22
31.	K.Jayasree	Asst.Prof.	30-Days Master Class on Artificial Intelligence	Pantech e Learning Pvt Ltd	6/12/21 to 4/1/22
32.	B.V.Prasad Babu, M.Deepthi, B.Vijay Kumar, K.Jayasree,	Assoc.Prof. Asst.Prof. Asst.Prof. Asst.Prof.	National Seminar on "Synergizing Higher Education in the Context of NEP-2020: Strategies for Implementation	Osmania University	22/12/2021 to 23/12/21
33.	C.Sudhakar Reddy	Assoc.Prof.	FDP on Predictive Analytics and Business Intelligence	E & ICT Academy, NITW	1/12/21 to 10/12/21
34.	BV.Prasad Babu, Dr.Ch.Ramesh	Assoc.Prof. Asst.Prof.	State Conference for Academicians and Researchers	SWETCHA Academy Chapter	28/11/21
35.	V.Sesha Bhargavi, A.Nageswari,	Asst.Prof. Asst.Prof.	30-Days Machine Learning Master Class	Pantech e Learning Pvt Ltd	15/11/21 to 14/12/21

36.	Dr.S.Prabavathy	Assoc.Prof.	AICTE Quality Initiatives and Funding Opportunities	JNTUH	29/10/2021
37.	D.Vandana	Asst.Prof.	FDP on Emerging Challenges in Cyber Security	AICTE Training & Learning (ATAL) Academy	18/10/21 to 22/10/21
38.	Dr.S.Prabavathy	Assoc.Prof.	FDP on Open Source Tools for AI and Machine Learning	Thaigarajar College of Engineering	8/10/21 to 9/10/21
39.	V.Sesha Bhargavi	Asst.Prof.	ML Engineering – An Exciting New Field of Development	TASK & INSOFE	07/10/2021
40.	U.Jyothi	Asst.Prof.	JAVA Training Program	WIPRO	04/10/21 to 22/10/21
41.	A.Nageswari	Asst.Prof.	One week Short Term Training Program on Next Generation Wireless Technologies: 5G and beyond	Indo Global College of Engineering	20/09/21 to 25/09/21
42.	Dr.L.Smitha, S.Vaishnavi, Ch.Sravanthi, B.Vijaykumar, G.Santhoshi	Asst.Prof. Asst.Prof. Asst.Prof. Asst.Prof.	FDP on “Artificial Intelligence and Machine Learning: Real Time Applications”	E & ICT Academy, NITW	20/9/21 to 30/9/21
43.	Dr.Ch.Ramesh	Asst.Prof.	1 st International Conference on Applied Mathematics, Modeling and Simulation in Engineering (AMSE-2021)	Stanley College of Engineering and Technology	12/9/21 to 16/9/21
44.	M.Sridevi, K.Sridevi,	Asst.Prof. Asst.Prof.	FDP on Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies	E & ICT Academy, NITW	6/9/21 to 16/9/21
45.	D.Vandana,	Asst.Prof.	FDP on IoT & Cyber Security	AICTE Training & Learning (ATAL) Academy	6/9/21 to 10/9/21
46.	Dr.CH.Ramesh	Asst.Prof.	Faculty Induction Programme-6	JNTUH	30/8/21 to 8/10/21
47.	M.Bhavani	Asst.Prof.	Short Term Course on Deep Learning	JNTUH	30/8/21 to 6/09/21
48.	Dr.I.Ravi Prakash Reddy, T.Aparna	Professor Asst.Prof.	STTP on Practicing Cloud Computing with AWS	Koneru Lakshmaiah Education Foundation	30/8/21 to 04/09/21
49.	Dr.S.Prabavathy,	Assoc.Prof.	FDP on Deep Learning and AI Applications	E & ICT Academy, NITW	28/08/21 to 07/09/21
50.	Y.Ahswini	Asst.Prof.	National Seminar on “Synergizing Higher Education in the Context of NEP-2020: Strategies for Implementation	Osmania University	22/12/2021 to 23/12/21
51.	Dr.CH.Krishna Keerthi	Asst. Prof.	AICTE Quality Initiatives and Funding Opportunities	JNTUH	29/10/2021
52.	Y.Ashwini	Asst.Prof.	FDP on Deep Learning and AI Applications	E & ICT Academy, NITW	28/08/21 to 07/09/21
53.	Y.Ashwini	Asst.Prof.	FDP on “Cyber Security”	AICTE & ATAL Academy	24/08/21 to 28/08/21



Activities of Technical Association

TECHNOBOOM is the Technical Association of IT department.

Faculty Coordinators:

Ms.V.Usha, Asst. Professor
Ms.K.Jayasree, Asst. Professor

Student Coordinators:

President: G.Himani, IV Year
Vice President: A.Manaswini, III Year

During the academic year 2021-22, 10 technical and 1 non technical events were organized under the department technical association, **Technoboom and Traditional day** was celebrated on 10/06/22.

Ms.V.Usha, Coordinator of Technoboom presented the annual report. Prizes and certificates were distributed by Dr.K.Rama Linga Reddy, i/c Principal and Dr.I.Ravi Prakash Reddy, Head of the Department, to all the winners of the events conducted. Faculty and student coordinators were complimented with mementos for rendering their services.

Academic Year 2021-22 (II-SEM)

S.No	Date of Event	Event Name	I Winner	II Winner
1	18-04-2022	Word Building	Urusa Afreen Shahab (II Yr), Md.sadiya(II Yr)	R.Nandhini (II Yr), S. R.sreeja (II Yr)
2	28-03-2022	Hackwithtb	Sai Preethi Polu (III Yr)	G.Navya (Ilyr)

Academic Year 2021-22 (I-Sem)

S.No	Date of Event	Event Name	I Prize	II Prize
1.	31-12-2021	Aptitude Test	S.Sravani (II yr)	A.Yuktha (II yr)
2.	31-12-2021	Paper Presentation	D.Shivani (III yr) K. Mehak Jain (III yr)	P.Jayamadhuri (III yr), E.Madhulika (III yr)
3.	10-12-2021	Group Discussion	Polu Sai Preethi (III yr)	M.Varsha(III yr)
4.	17-11-2021	Technical Quiz	N.Vaishnavi (III yr)	M.Varsha (III yr) Md Sadiyahasna (II yr)
5.	12-11-2021	Word search	E.Meghana (II yr), M. Laysri (II yr)	Urusaafreen (II yr) K.Nandhini (II yr) K.Shivani (II yr)
6.	29-10-2021	Coding Contest	B. Ambika (III yr), Paidi Sanjana (III yr) S.Srujana (II yr), Siri Chandana (II yr)	P.Tejaswi (III yr), E.Laasya (III yr) A. Sanjana (II yr), A.Shalini (II yr)
7.	22-10-2021	Pictionary	Pooja (III yr), R.V.Sumana (III yr) N.Shreya (III yr), V.Pavani (III yr)	P.Saipreethi (III yr), Faiza Fathima (III yr) S.Shruthika (II Yr), G.Nikitha (II yr)
8.	01-10-2021	Debugging	R.Rupa Sri (III yr)	K.Pranitha (IV yr)
9.	24-09-2021	Kahoot AptitudeTest	Tanmayee (III yr)	B.Saraswathi (III yr)

Glimpses of Traditional Day



NPTEL Courses (Faculty & Students)

- ❖ **Dr.S.Prabavathy**, Assoc.Prof has secured **ELITE + GOLD** certificate in 'Introduction to Internet of Things' conducted during Jan-April 2021.
- ❖ **Ms.S.Vaishnavi**, Asst.Prof. has secured **ELITE + SILVER** certificate in 'The Joy of Computing using Python' NPTEL course during Jul-Oct-2021.
- ❖ **Ms.T.Aparna**, Asst.Prof. has secured **ELITE** certificate in 'Distributed Systems' NPTEL course during Jul-Sep-2021.
- ❖ **Mr.B.Vijay Kumar**, Asst.Prof. has successfully completed NPTEL course in 'Introduction to Operation Systems' during Jul-Sep-2021.
- ❖ **Ms.D.Vandana**, Asst.Prof. has successfully completed NPTEL course in 'Ethical Hacking' during Jan-Apr-2022.

Students' Achievements

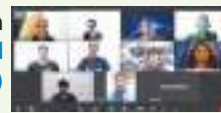
- ❖ **JNTUH** Gold Medals for the years 2019 & 2020 for the best students among all affiliated Colleges in Department of IT **Ms.G.Preethika** (17251A12A0), **Ms.S.Suma** (16251A12B2), **Harshini**



- ❖ **Ms.Gujjala Preethika** (17251A12A0) is also the Gold Medal winner in GNITS among all branches.
- ❖ **Ms.Ala Harini** (18251A1291) received Exemplary Student Volunteer Award in recognition of her commitment and dedicated services to IEEE Hyderabad Section SAC in the year 2021.



- ❖ **B.Saraswathi** (19-1205), **G.Sharaya** (19-1271), **Kirthi Lakikar** (20255-1208), **G.Rohitha** (19-1275) received **winners title** in **24 hours Hackathon Space Apps Challenge – 2022 (NASA International Space Apps Challenge 2022 Boot Camp)**.
- ❖ **V.K.Aishwarya Nair** (20251A1259) received a certificate of Excellence for Best Student of the workshop by Supraja Technologies on 26/01/2022.
- ❖ **V.K.Aishwarya Nair** (20251A1259) got 3rd prize for her Artworks by Electrical Engineers Students Association in 2021.
- ❖ **Ms. Ayushi Verma** (19251A1264) won first prize in the **JPMC Code for Good (CFG 24- hours Hackathon- 2022)** conducted on 04/06/2022.
- ❖ **Ms. Ayushi Verma** (19251A1264) received the Best Director –Public Relations, in Rotaract District 3150 by Rotaract District 3150 Annual Award Ceremony held at G.Pulla Reddy Pharmacy College on 18/06/2022.
- ❖ **Ms.Ambika Bongirwar** (19251A1207) got placed in **Amazon** with the highest pay package of **Rs.44 Lakhs**.
- ❖ **Ms.Rupasri Ravuri** (19251A12A4) got placed in **Adobe** with a pay package of **Rs.42 Lakhs**.
- ❖ **MsTejaswi Pichuka** (19251A1242) got placed in Flipkart with a pay package of **Rs.32.57 Lakhs**.
- ❖ **Ms.Mehak Jain** (19-1223), **Ms.Rupasree** (19-12A4) got placed in **ServiceNow** with the pay package of **Rs.33.56 Lakhs**.
- ❖ **Ms.Niharika** (19-1212), **Ms.Kavya** (19-1219), **Ms.Sharanya** (19-1271), **Ms.Ayushi** (19-1264), **Ms.Harshitha** (18-1230), **Ms.Radha Kalyani** (19-1293), **Ms.Geetha** (19-1272) got placed in **JPMC** with the pay package of **Rs.17.75 Lakhs**.
- ❖ **Ms.Aishwarya Dhande** (19251A1202) got placed in **Experian** with the pay package of **Rs.15.25 Lakhs**.
- ❖ **Ms.Lavanya** (19251A1208) got placed in **Career Corporation** with the pay package of **Rs.15 Lakhs**.












Internships'

Reg.No.	Student Name	Company
18251A1264	Bhukya Indu	Amazon
18251A1207	Chitukula Shravani	Apple
18251A1235	Rakshitha Chitigori	
18251A1291	Ala Harini	
18251A12B0	Mahita Maddipati	
18251A1273	Varsha Goli	
18251A1259	Tejitha Velichala	Apple Inc.
18251A1274	Himani Gugulotu	AT&T
18251A1223	Milkuri Anusha	
18251A1243	Juveriya Basheer	
18251A1288	Toorpu Pranavi	Bank of America
18251A1261	Alluri Danapriti L Priyanka	Capillary Technologies
19255A1203	Dhonthulashetty Shirisha	Cognizant Technology Solutions
19255A1209	Gopu Likhitha	
18251A1275	Jummarath Navya sri	
18251A1281	Medarametla Josna	
19255A1210	Gutti Sravya	
18251A12A8	Lubna Fatima	DanskeIT
18251A1206	Chintapalli Auhlada Sree Vyshnavi	Deloitte
18251A1232	Baddam Anusha	
18251A1285	Thanishq Chowdary Paladugu	
18251A12B4	Paluru Nikhita	
18251A12B5	Paratala Shivani Gupta	
18251A1296	Anu Challa	Ecko Design
18251A1218	Sahithi Kethepalli	Factset
18251A12B8	Swathi ragiri	Hostigate
18251A1240	Jyothika Gopagoni	IHS Markit
18251A1239	Poojitha Guduri	Informatica
18251A1277	Poliseti Geetika Bhramara	J P Morgan Chase & Co.
18251A1237	Monitha	J P Morgan Chase
18251A1208	Dibyadarshani Patra	
18251A1210	Gurram Chandana	
18251A1297	Srividya Sravya Chebolu	
18251A1265	B. Ruthvika Rathod	JPMC
18251A1276	Kantareddy Varshitha	
18251A12A7	Kotha Priyanka	
18251A12B6	Puli Tejaswini Reddy	
18251A1256	Ramadugu Sanjana Rao	
18251A1213	Sravika Juloori	Micron
18251A1212	Hruthika Eedupuganti	
19255A1208	Pothabatini Sadhana	Mindtree
18251A1287	Rayeesa Ruhi	Misplaced Minds
18251A1247	Kandimalla Pranitha	Myntra
18251A1278	Theeksha	Pendam











18251A1270	Dyavanapelly Sriya	Persistent
18251A1268	Chatala Kaushika	Persistent Systems
18251A1283	N.Pujitha Bala	
18251A1289	Tanneru Hari Nandini	
18251A12B7	Sai Priya Peddireddy	Service now
18251A12B2	V K Manasa	
18251A1209	Balasathvika Gayam	State Street
18251A1228	Sruthi Thandoj	TELSTRA
18251A1224	P.Laxmi Tirumala	Verzeo
18251A12B9	Thurpati sandhya	Wipro
19255A1212	Uta Suryakala	
18251A1216	Pranathi Katta	Zenoti
18251A1263	Anjali Angate	

Academic Toppers

B.Tech (IT) II-SEM (Academic Year 2020-21)

IV-B.Tech		III B.Tech		II B.Tech	
I topper	II topper	I topper	II topper	I topper	II topper
					
G. Preethika (9.37)	Damalanka Dhanya (9.25)	P.Sai Joshita (9.55)	Ala Harini (9.55)	G.Likitha (9.4)	T.Laxmi Sowgandhika (9.36)
					
				Fathima Sumreen (9.22)	Thumu Lohitha (9.22)
					
					Volam Meenakshi (9.22)

I-SEM (Academic Year 2021-22)

IV-B.Tech		III B.Tech		II B.Tech		II B.Tech(CST) I-SEM (Academic Year 2021-22)	
I topper	II topper	I topper	II topper	I topper	II topper	I topper	II topper
							
Davuluri Monitha (9.7)	B Ruthvika Rathod (9.3)	Peddinti Sai Joshita (9.3)	Ravuri Rupasri (9.65)	Dugyala Niharika (9.4)	Mallela Tejaswi (10)	Mekala Jyothsna (9.85)	K Shivani (9.85)
							
						Tripuraneni Anantha Lakshmi Sravani (10)	D Hima Sri Sai (9.71)

II-SEM (Academic Year 2021-22)

IV-B.Tech	
I topper	II topper
	
Ambreen Aijaz Ahmed (9.85)	Dyavanapelly Sriya (9.7)
	
	Gilakara Sai Sindhu (9.7)

M.Tech (Cnis) Toppers Academic Year (2020-21)






I-M.Tech I-Sem (2020-21)		I-M.Tech II-Sem (2020-21)	
I topper	II topper	I topper	II topper
			
Thallapelli Tejasri (9.22)	Ramagiri Usha Rani (9.05)	Puchala Sushma Reddy (8.1)	Annepally Akhila Reddy (8.0)

Academic Year (2021-22)

I-M.Tech I-Sem (2021-22)

I topper	II topper
	
M Jahnvi (9.55)	Macherla Swetha (9.05)

II-M.Tech I-Sem (2021-22)

I topper	II Toppers				
					
Thallapelli Tejasri (8.87)	Annepally Akhila Reddy (8.25)	L Vaishnavi (8.25)	Ramagiri Usha Rani (8.25)	Ramsha Farheen (8.25)	

Papers Published by Students

Student Reg. No. & Name	Title	Journal/ Conference	ISSN No	Date
19251D7801 A Sri Vaishnavi	Cyber Security Insurance Policy with Pre Screening and Interdependence	Complexity International Journal	ISSN:1320-0682, Vol-25, Issue-02	June-2021
19251D7803 Battula Sruthi	URL Based Phishing Attack Detection using Machine Learning Techniques	Journal of Information and Computational Science UGC Care Group-II Certified Journal	ISSN: 1548-7741, Vol-2, Issue-1	Jan-2022
19251D7804 Devatha Janani Pratheeka	Internal Intrusion Detection and Protection System	The International Journal of Analytical and Experimental Modal Analysis	ISSN:0886-9367, Vol-XIII, Issue-X	Oct-2021
19251D7805 Fatima Mohammed Siddiqui	Dietlane: An Automated Dietary Assessment Application using CNN	The International Journal of Analytical and Experimental Modal Analysis An UGC-Care Approved Group-II Journal	ISSN:0886-9367, Vol-XIII, Issue-IX, Impact Factor-6.3	Sep-2021
19251D7806 Hanchate Nagasai Bhavani Eshwari	Secured Image Storage using Data Integrity Convergent Encryption Protocol	Dogo Rangsang Research Journal, UGC Care Group-I Journal	ISSN:2347-7180, Vol-8, Issue-15, No.03	Sep-2021
19251D7807 K Shishira Reddy	Assorted Word Search on Cloud Data with Support for Active Operations	International Journal of All Research Education & Scientific Methods	ISSN: 2455-6211, Vol-10, Issue-1, Impact Factor-7.429	Jan-2022
19251D7810 Mallela Sree Hrudya	Estimation of Human Posture through Deep Neural Networks	Journal of Information and Computational Science UGC-Care Group-II Journal	ISSN:1548-7741, Vol-11, Issue-9	Sep-2021
19251D7811Y M Shivani	Malware Detection in Android App Store using Rebut Attribute Generations	Dogo Rangsang Research Journal, UGC Care Group-I Journal	ISSN:2347-7180, Vol-8, Issue-15, No.03	Sep-2021
19251D7812 Yenala Soujanya	Inappropriate and Spam email detection using hybrid features	The International Journal of Analytical and Experimental Modal Analysis	ISSN:0886-9367, Vol-XIII, Issue-XI	Nov-2021

FACULTY DEVELOPMENT PROGRAM

Department Coordinators

Dr.M.Madhavilata, H&M Dept
Dr.K.Syamala Devi, BS Dept
T.Ammannamma, IT Dept
M.Lakshmi, ECE Dept.

A.ChandraSekhar, ETM Dept.
D.NagaSwetha, CSE Dept.
Y.Priyanka, EEE Dept.

Coordinator

Dr. K. Ragini, Professor ECE



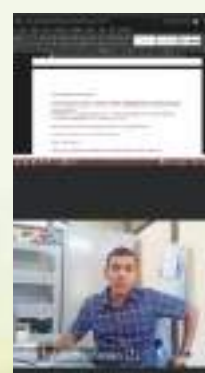
A one-day online Faculty Development Program on 'Effective Teaching Methodologies' was organized by G. Narayanamma Institute of Technology and Science (for Women), Shaikpet, Hyderabad on 22nd January, 2022 for providing orientation to the newly joined faculty. The main aim of this FDP is to provide awareness of Effective Teaching Methodologies and to get the essence of effective teaching. The eminent speaker for this FDP, Prof. M.L. Sai Kumar shared different 'Effective Teaching Methodologies' like interactive teaching, flipped classroom, activity-based teaching, etc and also gave inputs on active learning strategies. *The faculty have participated with great enthusiasm and gained knowledge for effective teaching. Around 35 newly joined faculty attended the Program.*

GNITS in Association with Electronics & ICT Academy, NIT Warangal conducted an Online Professional Development Programme on 'Mentoring Pedagogy and Techniques for Enriched Learning Experience to Diversified Learners in Technical Education' from 22nd August – 01st September 2022. A total of 65 participants have registered for the Professional Development Program. Eminent Resource persons from IIT's and NIT's delivered the lectures.

Fig-1 Effective On line and In-person Teaching by Prof.I.A.K.Reddy, Retd.Prof,NITW



Fig 2 Experimentation with Design Thinking to Impart Higher Order Thinking Skills. By Dr.B.Karthik, NITW.





Humanities & Mathematics

Dr. P. Aparna, HOD

Dr. Aparna Palle working as **Professor of English** joined GNITS in 1997 and since inception is heading the department of **Humanities and Mathematics**, an ancillary department that handles the admissions, academic and administrative works of First year B.Tech. Dr. Aparna did her **M.A. in English Literature** from **Sri Satya Sai Institute of Higher Learning, Ananthapur** in the year 1990 and did her **M.Phil. and Ph.D** from **S.K. University, Ananthapur** in the year 2002 and 2004. She has 26 research papers and one book publication to her credit. 4 Ph.Ds have been awarded under her guidance and 5 research scholars from JNTUH are pursuing research under her supervision. Dr. Aparna Palle has an enriching experience in teaching of English for Engineering Graduates and has extensively promoted and conducted various Conferences, Seminars, Workshops, Guest Lectures on English Language Teaching [ELT] in association with English Language Teachers Association of India [ELT@I], British Council, Regional English Language Office [RELO], Cambridge University Press [CUP] for Professional Development among English teachers. She is a certified trainer for Business English Certificate [BEC] Cambridge University Press and International English Language Testing System [IELTS]. As member **Board of Studies JNTU-H** and for other colleges Dr. Aparna has made significant contribution in syllabus revision and course work for English Theory and English Labs for Engineering students. As **Programme Coordinator of SPDC – Skill and Personality Development Centre for SC/ST students funded by AICTE** she conducts training programmes and provides career guidance for the SC/ST students. She is a recipient of **Academic Excellence Award in Teaching of English** by **Indus Foundation** and **Star Women Achiever Award** by **Accenture**.

Highlights of the Department

Congratulations!!!

- ❖ **Dr.N.V.S.L Narasimham, Dr.M.Madhavi Latha** for being promoted as **Associate Professors of Mathematics**, **Dr.P.Rekha** for being promoted as **Associate Professor of Management Studies**, **Dr.B.Sushma** for being promoted as **Associate Professor of English**.
- ❖ **Dr.B.Sushma, Associate Professor of English** attended the 'Joint Board of Studies' meeting as a Member for English theory and Lab, Gender Sensitization, Advanced English Communication Skills Lab Course at JNTUH conducted during May19-20, 2022.



Board of Studies Members, English Discipline, JNTUH



Boards of Studies Members – in discussion

- ❖ **Ms.B.R.Lakshmi**, Assistant Professor of English, has been awarded **Ph.D** in **English** by Department of English, **Jawaharlal Nehru Technological University, Anantapuramu**, Andhra Pradesh on **14-02-2022**.
- ❖ **Ms.V.Vijaya Lakshmi**, Assistant Professor of Management, has been awarded **Ph.D in Management** by Commerce and Business Administration Department, **Acharaya Nagarjuna University, Guntur**, Andhra Pradesh on **02-03-2022**.

Newly Joined faculty

- ❖ **Ashwini R Jeevan** has joined as Assistant Professor of English, **Dr.R.Lakshmi** has joined as Assistant Professor of Mathematics and **Dr.Ramya** has joined as Assistant Professor of Management.

Faculty Achievements

- ❖ **V.Jahnavi, Sr.Assistant Professor of English**
 - Received the '**GNITS Star Woman of the Year- 2022**' on 8th March, the **International Women's Day**.



- Is the **Topper** (among the Top 5%) and received **Elite + Silver Certificate** for the NPTEL course on '**Technical English for Engineers**'.
- Has secured **Elite + Silver** and **Elite Certificates** respectively for the NPTEL courses on '**Enhancing Soft Skills and Personality**' and '**Psychology of Stress, Health and Well-being**'
- ❖ **Dr. B. Sushma, Associate Professor of English** has the following achievements :



Chairperson and Organizer for One-day International Conference on 'Cultural Marvels' organized by ALAPAN Holistic Educational Forum, West Bengal on 8 January, 2022.

- ❖ Ms Anupama Venugopal, Assistant Professor of English got registered for Ph.d in NIT, Warangal.

- ❖ Dr.M.Aparna, Associate Professor of Mathematics has the following achievements:

- The topic 'Fertilizer Usage Monitoring and Price Estimation System for Crops' was granted the patent with Patent Number: 202141038799 in 2021.
- Acted as a Resource Person for National Webinar on 'Environment, Climate Change, Green Energy, Sustainable Agriculture, Holistic Health & Sustainable Development for Pure Earth (NWESDPE 2022)' on 20/03/2022, organized by Sri holistic health foundation India (SHHFI).
- Chaired a session for 3rd National Level Conference on 'Pure Earth Environment' on 27/11/2021 from 11:30 AM to 5 PM in Virtual Mode, organized by Pure Earth Foundation, Hyderabad.
- Chaired a session for 4th National Level Conference on 'Pure Earth Environment' on 08/05/2022 from 11:30 AM to 5 PM in Virtual Mode, organized by Pure Earth Foundation, Hyderabad.

- ❖ Dr. S.Vasundhara, Assistant Professor of Mathematics has the following achievements:

- On the Eve of National Teacher's day received an Award of 'Dr.Sarvepalli Radhakrishnan Best Faculty Award 2021' in Mathematics, Centre for professional Advancement IMRF Govt of India NITI Aayog.



- ❖ Dr.Vijaya Lakshmi V, Assistant Professor of Management has the following achievement:

- 'Fertilizer Usage Monitoring and Price Estimation System for Crops' has granted the patent with Patent Number: 202141038799 in 2021.
- 'Online Technical Learning and Advanced Training Management System' has granted a patent with Patent Number: 2020111050099 in 2021.
- Chaired a session for 3rd National Level Conference on 'Pure Earth Environment' on 27/11/2021 in Virtual Mode, organized by Pure Earth Foundation, Hyderabad.

- ❖ Dr.Vijaya Lakshmi V and Dr.B.R.Lakshmi, organized 'Industrial Visit to ALEAP WE HUB' for the students of IV B.Tech on 30/12/2021 to motivate the young minds to choose Entrepreneurship as a Career that can enhance their contribution to the society in multiple ways.'

Faculty Publications

- ❖ Dr.B.Sushma, Associate Professor of English has the published the following papers :

- 'Creating Lesson Plans for a Flipped Classroom: Some Insights' in a book titled, 'Amalgamation of Virtual Journey in Learning: An Integrated and Blended Approach of Faculties in Flipped Classroom' ISBN: 978-81-950482-1-2 pg. 11-17 January, 2022.

- ❖ Dr.M.Madhavilata, Associate Professor of Mathematics has following publications:

- A paper titled 'Overview of supply chain Analytics and

Operations Research' in an 'International Journal of Multidisciplinary Educational Research', ISSN: 2277-7881, Pub. dated 10/4/2022

- A paper titled 'Research Methodology on Operations Research, Inventory Model and Supply chain Analytics', in an 'International Journal of Multidisciplinary Innovative Research', ISSN: 2583-0228, Vol 2 no.2 Apr. 2022, P.No. 1-5

- ❖ Dr.M.Aparna, Associate Professor of Mathematics has the published the following papers:

- A paper titled 'Applications of Big Data in Healthcare' in International Journal for Innovative Engineering and Management Research. Elsevier Indexed Journal, Volume 11, Issue 5, May 2022.
- A paper titled 'Bigdata and its Applications' in International Journal for Innovative Engineering and Management Research. Elsevier Indexed Journal, Volume 10, Issue 9, Sept 2021.
- A paper titled 'India – A Global Manufacturing Hub through Make in India – A Review'. Journal of Chengdu University of Technology. Scopus Journal. Volume 26, Issue 8, Aug 2021.
- Contributed a chapter in the edited book with the title 'Gender Discrimination and Social Inequalities in Women Empowerment in India' in 'New Perspectives in Commerce and Management' Volume – 02, INSC International Publishers, ISBN – 978-1-68576-143-1.
- Contributed a chapter in the edited book with the title 'Distance Education – Pros and Cons of E – Learning and Virtual Classes' in 'New Perspectives in Commerce and Management' Volume – 02, INSC International Publishers, ISBN – 978-1-68576-143-1.
- Contributed a chapter in the edited book with the title 'Women Empowerment in India – Gender Discrimination at House and Workplace' in 'Research Trends in Multi-Disciplinary Subjects' Volume – 03, Red Shine Publications Pvt. Ltd, ISBN – 978 - 93– 91479 – 14 – 5.
- Contributed a chapter in the edited book with the title 'Study on Covid-19 Vaccinations' in the book 'Multidisciplinary Research Book Volume-1' published by Swarnjali Publications Pvt.Ltd, Ghaziabad, in July-2021, P.No:10-25.
- Contributed a chapter in the edited book with the title 'Impacts of Covid-19 on Man and Environment in India-A Review' in the book 'Multidisciplinary Research Book Volume-1' published by Swarnjali Publications Pvt.Ltd, Ghaziabad, in July-2021, P.No:150-156.

- ❖ Dr. S.Vasundhara, Assistant Professor of Mathematics has the published the following papers:

- A Paper titled 'Elliptic Curves New Approach to Lenstra's Factorization method'. Volume 10 issue 08. Elsevier SSRN (IJIEMR) Vol10, issue8 August 2021.
- A Paper titled 'Impact of Polycystic Ovary Syndrome- Approach with Machine Learning Algorithms' 6th June 2022. Elsevier SSRN.
- A chapter titled 'MATHEMATICS AND ARTIFICIAL INTELLIGENCE ITS APPLICATIONS' in a book 'Multidisciplinary Research Explorer', with ISBN-13,978-1685384975, Notion Press.
- Contributed Papers along with the following students in an online International Conference on 'Recent Developments in Mathematics and Mathematical Sciences' (ICRDMS 2021) organised from 09/12/2021 to 11/12/

S.No	Student Name	Supervisor	Title	Conference
1	S.Tejaswini, A.SaiSriyam	Dr.S.Vasundhara	Machine Learning Algorithms-The Effect of Training and Testing Process	International Conference on Recent Developments in Mathematics and Mathematical Sciences (ICRDMMS 2021) [Over Online Platform] 09-11 December, 2021Calcutta Mathematical Society
2	Himaja Elluru, GudaTharunyaVarma	Dr.S.Vasundhara	Signature Verification by Graph Theory	(ICRDMMS 2021)
3	AdhyaSindhuja	Dr.S.Vasundhara	Game Theory-Mini-Max Algorithm	(ICRDMMS 2021)
4	S.Karunya Ram	Dr.S.Vasundhara	Mathematical Epidemiology	(ICRDMMS 2021)
5	DubbakaNikhitha	Dr.S.Vasundhara	Mathematical Approach for Cryptography	(ICRDMMS 2021)

2021 by Calcutta Mathematical Society. The students are from CSE-A and CSM of II year.

❖ **Dr.P.Rekha**, Associate Professor of Management Studies has published the following:

- A paper titled, 'An Analysis of Artificial Intelligence on Human Resources in Organizations' has been published in our Peer Reviewed and Referred International Journal of Multidisciplinary Educational Research (IJMER) Volume 10, Issue 8(7),August,2021

❖ **Dr.Vijaya Lakshmi V**, Assistant Professor of Management Studies has following publications:

- A paper titled, 'Emerging Trends in E-Marketing in India' in 'International Journal for Innovative Engineering and Management Research', a ELSEVIER Indexed Journal, Volume-10, Issue-9, September-2021.
- A paper titled, 'A Global Manufacturing Hub through Make in India-A Review' in 'Journal of Chengdu University of Technology', a SCOPUS Indexed Journal, Volume-26, Issue-8, August-2021.
- Contributed a Chapter titled, 'Emerging Trends in Online Marketing in India' in the edited book 'New perspectives on Commerce and Management Volume- 1' published by Nitya Publications with the ISBN No: 978-93-91669-09-6, in June-2021, P.No: 149-156.
- Contributed a Chapter titled, titled, 'Impacts of COVID-19 on Man and Environment in India' in the edited book 'Multidisciplinary Research Book Volume-1' published by Swaranjali Publication with the ISBN No: 978-93-5470-123-8, in July-2021, P.No: 151-167.
- Contributed a Chapter titled, titled, 'Study on COVID-19 Vaccinations' in the edited book 'Multidisciplinary Research Book Volume-1' published by Swaranjali Publication with the ISBN No: 978-93-5470-123-8, in July-2021, P.No: 101-106.
- Contributed a Chapter titled, titled, 'Study on COVID-19 Vaccinations' in the edited book 'Multidisciplinary Research Book Volume-1' published by Swaranjali Publication with the ISBN No: 978-93-5470-123-8, in July-2021, P.No: 101-106.
- Contributed a Chapter titled, titled, 'Women Empowerment in India-Gender discrimination at House and Work place' in the edited book 'Research Trends in Multi-disciplinary Subjects Volume-3' published by Red shine Publication Pvt Ltdwith the ISBN No: 978-93-91479-14-5, in September-2021, P.No: 257-267.

- Contributed a Chapter titled, 'Pros and Cons of Virtual Learning on Students during COVID-19' in the edited book 'New perspectives on Commerce and Management Volume- 2' published by INSC International Publishers with the ISBN No: 978-1-68576-143-1, in November-2021, P.No: 54-57.

- Contributed a Chapter titled, 'National Education Policy 2020- A New Paradigm shift in Education' in the edited book 'New perspectives on Commerce and Management Volume- 2' published by INSC International Publishers with the ISBN No: 978-1-68576-143-1, in November-2021, P.No: 63-68.

❖ **Smitha Mahindrakar**, Assistant Professor of Management Studies, has following publications:

- Published a paper titled 'Artificial Intelligence in Accounting Practices' in International Journal of Science and Research, Volume 11 Issue 3, March 2022, ISSN: 2319-7064, Impact factor 7.8.

Paper Presentations by Faculty

❖ **Dr.S.Vasundhara**, Assistant Professor of Mathematics has the published the following papers:

- A Paper titled 'Crop yield prediction using Machine Learning Algorithm' in an International ConferenceOn Innovations in Applied Science and Engineering (ICIASE-2022) organized by NIT Jalandhar.
- A Paper titled 'Heart Disease Prediction Using Machine Learning Algorithms' on International Conference on Multidisciplinary Research Aspects in Applied Science & Humanities ICASH-2021.

❖ **Dr.Vijaya Lakshmi V**, Assistant Professor of Management Studies, has presented the following papers :

- A paper titled 'A Review on Impact of COVID-19 on Man and Human Resource' in the National conference on Social Work Practices and Sustainable Consumption during COVID-19 organised by ChaudharyBansiLal University, Bhiwani New Delhi, India from 4/10/21 and 5/10/21.
- A paper titled 'Role of ICT in Higher Education-NEP 2020' in the National conference on Reforming Indian Higher Education System-Role NEP-2020 : Issues & Challenges Organised byGovt, Degree College, Huzurabad, India from 29/04/22 and 30/04/22.

❖ **Smitha Mahindrakar**, Assistant Professor of Management Studies, has presented the following papers:

- A paper titled 'Impact of Pandemic on Indian Economy –

A Sectoral analysis,' 30th Jan 2022, Satavahana University, Karim Nagar.

Workshops/Seminars/Webinars

❖ **Dr.B.Sushma**, Associate Professor of English has attended the following :

- One-day International Virtual Workshop on 'Intricacies of Scopus Publication in ELT, English Literature and Social Science' conducted by Kongu Engineering College, Tamil Nadu on 13 Nov, 2021.
- Three-day International Webinar on 'Digital Pedagogy in English Language Teaching' organised by St. Francis College for Women, Hyderabad from 13-15 Dec, 2021.
- International Faculty Development Programme on 'Pioneering and Innovative Trends in Learning/Teaching English Language, Literature, and Translation' organized by Veda Vignana Academic and Research Centre from 16/12/21 to 23/12/21.
- 30 days International Online Workshop on 'Academic Writing and Communication Skills, Research Methodology, Reference Management, and Academic Publishing' conducted by National Institute of Physical Medicine and Rehabilitation from 23 Nov to 31 Dec, 2021.
- 3-day National Online Workshop on 'Hypothesis Formulation and Testing, and Questionnaire Preparation' conducted by St. Thomas College of Teacher Education, Pala from 28-30 January 2022.
- 2 weeks UGC-Sponsored Refresher Course on 'Skill Development and Futuristic Technologies' conducted by Jai Narain Vyas University, Jodhpur, Rajasthan from 15/01/22 to 29/1/22.
- One-day International Conference on 'Cultural Marvels' organized by ALAPAN Holistic Educational Forum, West Bengal on 8 January, 2022.
- Two-day National Webinar on 'Free Online Tools for Easy, Effective and Impactful Research' sponsored by ICSSR (Indian Council of Social Science Research) New Delhi and conducted by M.V. Muthiah Government Arts College for Women, Tamil Nadu from 19-20 March 2022.

❖ **Dr.B.R.Lakshmi**, Assistant Professor of English has attended the following:

- A five day National level FDP on 'Personality Development & Communication Skills at Workplace' conducted by Department of English, A.V.College of Arts, Science & Commerce, Hyderabad from 25/04/22 to 29/04/22.
- One week Online FDP on 'Universal Human Values Refresher-I' from 9/05/22 to 13/05/22, Organized by All India Council for Technical Education (AICTE).
- An online talk on 'Role of Vedanta in Learning' conducted by Govt. P.G. College, Naraingarg (Ambala) on 4/5/22.
- One day National Webinar on 'Dimensions and Conventions of Elizabethan Stage and Theatre' organised by Department of English, Hazi A.K.Khan College, West Bengal on 28/05/22.
- One week online FDP on 'Major Literary Theories' organised by Department of English, Krishna University, Machalipatnam from 26/7/2022 to 2/8/22.
- One-day virtual Seminar on 'Teacher Identity – Reweaving the English Classroom Seminar' conducted by the Department of M&H, MGIT, Hyderabad.

❖ **Dr.M.Madhavilata**, Associate Professor of Mathematics has attended the following:

- An FDP on 'Inculcating Human Values in Technical Education' by AICTE from 19/7/2021 to 23/7/2021.
 - Participated in an FDP from 23/11/2021 to 07/12/2021 on SCI Lab organized by Dharmamurthi Tao BahadurcalavalaCunnanChetty's Hindu College with Spoken Tutorial Project, IIT Bombay.
 - Refresher Course in Applicable Mathematics organized by Teaching Learning Centre, Ramanujan College, from 15/12/2021 to 29/12/2021
 - 'Online course Latex for Students, Engineers and Scientists' from 2/8/2021 to 21.11.2022 from IIT Bombay.
- ❖ **Dr.M.Aparna**, Associate Professor of Mathematics has attended 12 workshops and seminars. Some of them are :
- Attended Five Day National level Faculty Development Programme on 'Inculcating Human Values in Education – An Aspiration of NEP 2020' from 09th – 13th May 2022, organized by Internal Quality Assurance Cell (IQAC) in association with Universal Human Values Cell (UHVC - HKBKCE), HKBK Degree College, Bangalore.
 - Attended One Week National Level Faculty Development Programme on 'Part-1 of the online UHV Refresher1 FDP' from 25th to 29th April 2022, organized by All India Council for Technical Education(AICTE).
 - Attended 2 Day National Level Faculty Development Programme on 'Faculty Training Program on 'Industry 4.0' on 2nd & 3rd April 2022, organized by IEEE India Council.
 - Attended 3 Day National Level Workshop on 'Teaching, Learning, Evaluation – An OBE Perspective' from 05th November – 07th November 2021, Organized by Internal Quality Assurance Cell (IQAC), Lords Institute of Engineering and Technology, Hyderabad.
 - Attended 2 Day National Level Faculty Development Programme on 'Recent Trends in Mathematical & Statistical Techniques' on 22nd & 23rd October 2021, organized by Dr.Vishwanath Karad MIT-WPU, Pune.
 - Attended One Week National Level Faculty Development Programme on 'Enhancing Teaching and Creative an Effective Learning Process in Contemporary Era' from 22nd Feb to 28th September 2021, organized by Hindusthan College of Arts and Science, Coimbatore.
 - Attended One Week International Level Faculty Development Programme on 'Recent Trends in Transforming Life Sciences-Focus on Academia & Industry Symbiosis' from 13th to 18th September 2021, organized by NIZAM College, Osmania University, Hyderabad.
 - Attended a National Webinar on 'National Education Policy 2020 – Motivated, Energized and Capable Faculty' organized by Internal Quality Assurance Cell (IQAC), in association with TGCTA, Jagityal, Telangana on 13th May 2022.
- ❖ **Dr.S.Vasundhara**, Assistant Professor of Mathematics has attended 13 workshops and seminars. Some of them are:
- A 'National Symposium on Mathematics and Applications (NSMA 2021)' held on 22nd December 2021 at the Department of Mathematics, Indian Institute of Technology, Madras.
 - 'The Role of Linear Algebra IN Machine Learning, Artificial Intelligence & Data Science' from 29/11/ 2021 to 03/12/2021.
 - 'Scope For Skill Development In Science Programmes' by UGC PARAMARSH SCHEME from 23-09 to 25-09.

- **Refresher Course in Mathematics** organized by the Department of Mathematics, Ramanujan College in collaboration with the Teaching Learning Centre, Ramanujan College from 31/08/2021 to 14/09/2021.
 - One week FDP on '**Artificial Intelligence and Machine Learning : Real Applications**' by E&ICT NIT Warangal and GNITS from 20/09/2021 to 30/09/2021.
 - An '**International conference on Recent Advances in Statistics**' 11/10/2021 to 12/10/2021 by Department of Statistics Sadguru Maharaj College Karad University Maharashtra.
 - One Week Online International Faculty Development Programme on '**The Role of Linear Algebra in Machine Learning, Artificial Intelligence & Data Science**', organized by the Departments of Mathematics and Humanities, Computer Science Engineering and Information Technology, Mahatma Gandhi Institute of Technology, Hyderabad held from 29/11/2021 to 03/12/2021.
 - Attended (TEW)Teacher's Enrichment Workshop on '**Complex Analysis, Transforms and Numerical Techniques**' from 04/07/2022 to 09/07/2022 at MepcoSchlenk Engineering College, Sivakasi Sponsored by National Centre for Mathematics (NCM) A Joint Centre of IIT Bombay and TIFR, Mumbai.
- ❖ **Keshav Kumar, Assistant Professor of Mathematics** has attended 14 workshops and seminars. Some of them are:
- One week Faculty Development Programme on '**Advanced Optimization Techniques and hands-on with MATLAB/SCILAB**' during 08/08/2022 to 19/08/2022 organized by Electronics & ICT Academies MNIT Jaipur, NIT Patna & IIITDM Jabalpur, India.
 - Training Workshop on '**Basic Computing with Matlab**' during 23/01/2022 to 13/02/2022 organized by MTTF-Society of Computing Intelligence under the aegis of MathTech Thinking Foundation (MTTF), India.
 - National level webinar on '**Mathematics and Ramanujan**' on 27/12/2021 organized by Sarada Vilas College, Mysore in collaboration with Sri. H. D. Devegowda Govt. First Grade College, Paduvalahippe, India.
 - One Week Online International Faculty Development Programme on '**The Role of Linear Algebra in Machine Learning, Artificial & Data Science**' during 29/11/2021 to 03/12/2021 organized by Departments of Mathematics and Humanities, Computer science Engineering and Information Technology, Mahatma Gandhi Institute of Technology, Hyderabad, India.
 - National webinar on '**Role of Mathematics in Career Building**' on 27/11/2021 organized by Department of Mathematics & IQAC, Atma Ram Sanatan Dharma College, University of Delhi, India.
 - Training Workshop on '**Computing Differential Equations with MATLAB**' during 24/11/2021 to 30/11/2021 organized by MTTF - Society of Computing Intelligence under the aegis of MathTech Thinking Foundation (MTTF), India.
 - International webinar on '**Probability Theory and Reliability Theory (IWPRT-2021)**' on 20/11/2021 organized by Department of Applied Mathematics, ShriShanaracharya Technical campus, Bhilai, Chattisgarh, India.
 - Five day Faculty Development Programme on '**Computational Mathematics and Recent Advances in Management Principles**' held from 15/11/2021 to 19/11/2021 organized by Departments of Mathematics and Management, Swami Keshavanand Institute of technology Management and Gramothan, Jaipur, India.
 - National webinar on '**Moral Values and Relevance of Swami Vivekanandas Thought in the Present World**' on 02/11/2021 organized by Swami Vivekananda Centre for Higher Research and Education, Alagappa University, Karaikudi, India.
 - Three day online National Faculty Development Programme on '**Relevance of outcome Based Education in Teaching, Learning and Evaluation for Social Sciences**' held from 27/10/2021 to 29/10/2021 organized by Departments of Management, Indian Institute of Management and Commerce, Hyderabad, India.
 - National webinar on '**Business Analytics**' on 26/10/2021 organized by Indian Institute of Information Technology, Kottayam, India.
 - National online workshop on '**Bloom's Taxonomy Based Question paper Design for Outcome Based Education in Mathematics**' on 27/09/2021 organized by Department of Mathematics, AyyaNadarJanakiAmmal College in association with the Internal Quality assurance Cell (IQAC) and Outcome Based Education Monitoring Council, India.
 - One week Faculty Development Programme on '**Art of Effective Teaching with Psychological Modeling**' from 19/09/2021 to 19/09/2021 organized by Indian Teachers Association, India.
 - One day workshop on '**Role of Mathematical software in Real, Applied and Computational Field**' on 15/09/2021 organized by Department of Applied Science, Sage University, India.
- ❖ **Dr.P Rekha, Associate Professor of Management Studies** has attended the following:
- GNITS Internal-NDLI user awareness event held on 7/8/2021 organized by the NDLI club of G.Narayanamma Institute of Technology and Science (For Women) NDLI Club.
 - NPC online Workshop cum Training titled 'Copyright Protection' held on 25/8/, 2021 National Productivity Council, (Under Ministry of Commerce & Industry, Govt. of India)
 - A four day online webinar 'Current Trends in Research & Innovation - Research Paper Publications - IPR and Patents - Research Projects & Fundraising' held from 27/8/2021 to 31/8/2021 conducted by 'Institute for Academic Excellence, Hyderabad'in collaboration with 'Collegiate Education & Technical Education Department',Telangana on 'IPR and Patents'.
 - AICTE Training And Learning (ATAL) Academy Online Elementary FDP on 'Fostering Culture of Startup, Innovation & Entrepreneurship in Academic Institutions' from 20/09/2021 to 24/09/2021 at STEP-HBTI.
 - AICTE Training And Learning (ATAL) Academy Online Elementary FDP on '**Emerging Trends in Business Data Analytics for Managers**' from 22/11/2021 to 26/11/2021 at Xavier Institute of Social Service.
 - Completed certification through distance learning on '**Specialized Course on the Essentials of Patents**' from 4/10/2021 to 2/11/2021 from WIPO, Geneva.
 - A 40 hour online FDP on '**Predictive Analysis and Business**

Intelligence organised by GNITS and NITW from 1/12/2021 to 10/12/2021.

- IP Awareness/Training program under National Intellectual Property Awareness Mission, by Intellectual Property Office, India, on 17/6/2022
- A webinar on 'NEP-2020 Implementation Plan: Multidisciplinary and Holistic Education' held on 18/6/2022, conducted by JNTUH, a UGC sponsored webinar.
- A webinar on 'NEP-2020 Implementation Plan: Multiple Entry and Exit System' held on 29/6/2022, conducted by JNTUH, a UGC sponsored webinar.
- A webinar on 'Academic Research Integrity in the context of NEP-2020' held on 30/6/2022, conducted by JNTUH, a UGC sponsored webinar.
- A webinar on 'NEP 2020 Implementation Plan: Equity and Inclusion' held on 13/7/2022, conducted by JNTUH, a UGC sponsored webinar.
- ❖ **Dr.Vijaya Lakshmi V, Assistant Professor of Management Studies** has attended the following:
 - Successfully Completed Online Faculty Development Program on 'Inculcating Universal Human Values in Education An Aspiration on NEP 2020' from 09/05/22 to 13/05/22, Organized by HKBK Degree College Bangalore, Karnataka.
 - Successfully Completed Part-I Online Universal Human Values Refresher I FDP from 25/04/22 to 29/04/22, Organized by All India Council for Technical Education (AICTE).
 - Attended Faculty Training Programme on 'Industry 4.0' on 02/04/22 and 03/04/22, Organized by G. Narayana Institute of Technology and Science, Shaikpet, Hyderabad, Telangana.
 - Attended National Conference on 'Synergizing Higher Education in the Context of NEP-2020: Strategies for Implementation' on 22/12/21 and 23/12/21, Organized by Osmania University, Hyderabad, Telangana.
 - Successfully Completed Short-term Training Programme on 'Comprehensive Village Development-Feasibility & Sustainability-AICTE Sponsored STTP' from 29/11/21 to 04/12/21, Organized by Indo Global College of Architecture, Abhipur, Chandigarh.
 - Successfully Completed Refresher Course on 'Pedagogical Innovations and Research Methodology (Interdisciplinary)' from 1/12/20 to 31/03/21, Organized by SWAYAM ARPIT Online Course certification.
 - Successfully Completed Online 'FDP in Entrepreneurship' from 20/09/21 to 21/09/21, Organized by ATAL New Delhi.
 - Successfully Completed Online Faculty Development Program on 'Recent Trends in Transforming Life Sciences-Focus on Academia & Industry Symbiosis' from 13/09/21 to 18/09/21, Organized by Nizam College, Osmania University, Hyderabad, Telangana.
- ❖ **T.Malathi Latha, Assistant Professor of Management Studies** has attended the following:
 - Successfully Completed Online Faculty Development Program on 'Inculcating Universal Human Values in Education An Aspiration on NEP 2020' from 09/05/22 to 13/05/22, Organized by HKBK Degree College Bangalore, Karnataka.
 - Successfully Completed Part-I Online Universal Human Values Refresher I FDP from 25/04/22 to 29/04/22,

Organized by All India Council for Technical Education (AICTE).

- Attended One Day Online Workshop, 'Research Methodology & Project Report Writing' organized on 05/05/2022 by University College of Commerce and Business Management, Kakatiya University, Warangal.
- Attended One Day Regional Meet - Institutions Innovation cell - MoE's Innovation Cell Conducted on 12/08/22 by Sreenidhi Institute of Science and Technology, Hyderabad.
- ❖ **Smitha Mahindrakar, Assistant Professor of Management Studies** has attended the following:
 - Three-day Online workshop on Statistical analysis using SPSS& EXCEL
 - Successfully Completed Online FDP on 'Pricing Tactics and Analytics Strategy Management' 10-01-2022 to 14-01-2022
 - Successfully Completed Online FDP on 'Strategy: Concept and Application' 22-10-2021 to 26-10-2021
 - Five-day FDP on 'Inculcating Universal Human Values in Education An aspiration of NEP 2020' from 05-10-2020 to 09-10-2020.

NPTEL Courses

- ❖ **Dr.B.Sushma, Associate Professor of English** has successfully completed the following courses:
 - Course on, 'Psychology of Everyday', IIT Madras from Aug-Sep 2021(4 weeks).
- ❖ **Dr.M.Aparna, Associate Professor of Mathematics** has successfully completed the following courses:
 - A 16 week Swayam ARPIT Course (CAS) on 'Pedagogical Innovations and Research Methodology' with 'A' Grade from 1st Dec 2020 to 31st March 2021, organized by Guru Jambheshwar University of Science & Technology Hisar, Haryana.
- ❖ **Dr.S.Vasundhara, Assistant Professor of Mathematics** has successfully completed the following courses:
 - A 8 week course on 'Introduction to Machine Learning IIT –Madras'
 - A 12 week course on 'Data Analytics with Python IIT – Madras' Jan-Apr 2022.
- ❖ **Dr.Vijaya Lakshmi V, Assistant Professor of Management Studies**, has successfully completed the following courses:
 - Course on 'Marketing Management-II-FDP' from Feb-Apr-2022, Organized by NPTEL- SWAYAM.
 - Course on 'Teaching, Learning & Evaluation- An OBE Perspective' from 05/11/21 to 07/11/21, Organized by Lords Institute of Engineering and Technology.
 - Course on 'Innovation, Business Models and Entrepreneurship-FDP' from 23/08/21 to 15/10/21, Organized by NPTEL- SWAYAM
- ❖ **T.MalathiLatha, Assistant Professor of Management Studies** has successfully completed the following courses:
 - Course on 'Managing Change in Organisations' from Jan-Mar-2022, Organized by NPTEL- SWAYAM.
 - Course on 'Organisational Behaviour' from 26/07/21 to 15/10/21, Organized by NPTEL- SWAYAM
- ❖ **Smitha Mahindrakar, Assistant Professor of Management Studies** has successfully completed the following courses:
 - Online FDP in 'Entrepreneurship' from July,2021-October, 2021.



Basic Sciences

Dr. T. Charan Singh, HOD

Dr.T.Charan Singh, heads the Basic Sciences Department which includes Chemistry, Physics and Environmental Studies from August 2010. He was awarded the Doctorate degree from Osmania University in 1998. He has 30 Research publications to his credit in various National and International journals. He has more than 32 years of teaching experience which includes 10 years of teaching overseas under UNDP programme

Department Highlights

Hackathon

The Department of Basic Sciences in association with TSIC organized a Hackathon on '**Menstrual Waste Management**' on 23rd and 24th May 2022. GNITS students won First Prize with a cash of Rs. 60,000 under technological solution at a state level hackathon organized by IIIT Gachibowli on 30th May 2022.



World Environment Day Celebrations

The Department of Basic Sciences in association with Pure Earth Foundation, Hyderabad organized a seminar on '**Environment Protection - Need for an Hour**' as a part of World Environment Day Celebrations held on 08th June 2022 in the campus.



Newly Joined Faculty

Dr.R.Narender has joined the department as Assistant Professor in Chemistry and **Dr.Y.Veerawami** and **Dr.Medha Bhushan** have joined the department as Assistant Professors in Physics.

Faculty Publications

Dr.T.Charan Singh, HOD, has published the following papers,

1. '**Formation constants of charge transfer complex of PQ with cabidopa**' IJEMR, Vol. 11 Issue 5, May 20-22.
2. '**Stability Constants of Molecular Complex of Paraquat with Catechol**', WJPPS, Vol. 11 Issue 4.

Dr.A.Alakanandana, Assoc.Prof. of Physics has published the following papers

1. '**Electrical and Optical Characterization of Malonic Acid Doped Poly Vinyl Alcohol Polymer Electrolytes**' in International Journal of Innovation Engineering and Management Research.

2. '**Crystallinity, Morphology and Proton conductivity studies of Malonic Acid doped Poly Vinyl Alcohol Electrolytes for Electrochemical Cells**' in International Journal for Advanced Research In Science and Technology.

Dr.K.Syamala Devi, Assoc.Prof. of E.S has published the following papers

1. '**Role of National Education Policy in Sustainable India – A Hope for Future Generations**' in International Journal for Innovative Engineering and Management Research. Elsevier Indexed Journal. Volume 6, Issue 1, Nov 2021.
2. '**India – A Global Manufacturing Hub through Make in India – A Review**'. Journal of Chengdu University of Technology, Scopus Journal, Volume 26, Issue 8 August 2021.

Dr.I.Radhika and **Ch.Arathi**, Asst. Professors. of Physics have published the following papers:

1. '**Biofuels – An Alternative Energy: Discussion on Basic Production Methods and Applications of Biofuels**', International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 10, Issue 8, August-2022, Impact Factor: 7.429, www.ijaresm.com.
2. '**Basic Studies on Cyanobacteria and Micro algae**', International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211 Volume 10, Issue 8, August-2022, Impact Factor: 7.429, www.ijaresm.com.

O.Sujana, Asst.Prof. of Chem., has published the following paper titled, '**Synthesis, Cytotoxicity and Molecular Docking Studies of Chalcone Incorporated 1,2,3-Triazol-1,3,5-Triazin-Quinazoline as Anti-Cancer Agents**', Journal of Molecular structure (SCI Index journal).

Dr.P.Shobharani, Asst.Prof. of Chem., has published the following Paper '**Chromatographic analysis of fatty acids**', Dickensian Journal, Volume 22, Issue 3, March 2022. <http://dickensian.org/volume-22-issue-3-2022>.

Dr.J.Pragathi, Asst.Prof. of Chem., has published the paper entitled '**Comparative study of Antimicrobial activity of Metal complexes of various Schiff bases derived from 2-amino methyl benzimidazole**' IJCRT, Volume 9, Issue 6 June 2021, 25-c29.

Book Chapters Published

Dr.T.Charan Singh, HOD, has published the following chapter, '**Charge transfer complexes of paraquat with phenolic drugs**', in Multidisciplinary Research book, Vol.2, ISBN number, 978-93-5470-767-4

Dr.A.Alakanandana, Assoc.Prof. of Physics has published the following book chapter, Comparative study of structural and Electrical conductivity studies of pure PVA and PVA doped with Malonic and Succinic acid polymer Electrolytes, in the book Multidisciplinary Research Book Volume-4 published by Swarnajali Publications Pvt. Ltd.

Dr.K.Syamala Devi, Assoc.Prof. of E.S, has published the following book chapters

1. '**Pros and Cons of Virtual Learning during Covid - 19**' in 'New Perspectives in Commerce and Management' Volume – 02, INSC International Publishers, ISBN – 978 - 1 – 68576 – 143 – 1.
2. '**Gender Discrimination and Social Inequalities in Women Empowerment in India**' in 'New Perspectives in Commerce and Management' Volume – 02, INSC International Publishers, ISBN – 978 - 1 – 68576 – 143 – 1.

3. 'New Education Policy 2020 – A New Paradigm Shift in Educa-tion' in 'New Perspectives in Commerce and Management' Volume – 02, INSC International Publishers, ISBN – 978 - 1 – 68576 – 143 – 1.
4. 'Distance Education – Pros and Cons of E – Learning and Virtual Classes' in 'New Perspectives in Commerce and Management' Volume – 02, INSC International Publishers, ISBN – 978 - 1 – 68576 – 143 – 1.
5. 'Women Empowerment in India – Gender Discrimination at House and Workplace' in 'Research Trends in Multi-Disciplinary Subjects' Volume – 03, Red Shine Publications Pvt. Ltd, ISBN – 978 - 93– 91479 – 14 – 5.

Dr.P.Shobharani, Asst.Prof. of Chem., has published the following book chapters,

1. Analysis of halides in water samples in "International chapter Book", ISBN-978-1-365-59976-7 P No 31-33.
2. Analysis of the ions of calcium and magnesium in soil samples-Titrimetry in International chapter Book, ISBN-978-1-365-59976-7 P No 2800-30.
3. Analysis of Strychnine-Mass Spectrometry for the Book Multidisciplinary Research Book, Delhi, ISBN - 978-93-5470-767-4, P. No – 124–126.

Dr Pragathi Jogi, Asst.Prof. of Chem., has published the following book chapter,

1. 'Review-Biological and Catalytic Activity of Metal Schiff Base Complexes' of published book entitled, Research Trends in Multidisciplinary Research (Volume - 31) having ISBN 978-93-5570-025-4.

B.Mrinalini, Asst.Prof. of Chem., has published the following book chapters,

1. 'A Review on National Education Policy in India – A Hope for future' of published book entitled Contemporary Research in Commerce and Management , volume- 2 having ISBN 978-93-93239-32-7.
2. A Review on National Education Policy in India –Reforms in higher education of published book entitled, Contemporary research in commerce and management, volume- 2 having ISBN 978-93-93239-32-7.

Seminars organized

Dr.K.Syamala Devi, Assoc.Prof. of E.S, has organized an Awareness Programme, on 'Plastic Waste Management' on 17th November 2021 from 2 – 3 PM for B.Tech Students.

Field Trip Organized

Dr.K.Syamala Devi, Assoc.Prof. of E.S and **B.Rakesh Goud**, Asst.Prof. Of Chem., organized Field Trip 'Nehru Zoological Park' to the students of III B.Tech on 28th December 2021 to sensitize the young minds to wildlife environment.

Sessions Chaired (Judge)

Dr.K.Syamala Devi, Assoc.Prof. of E.S, has chaired the following sessions,

1. 3rd National Level Conference on 'Pure Earth Environment' on 27/11/2021 from 11:30 AM to 5 PM in Virtual Mode, organized by Pure Earth Foundation, Hyderabad.
2. 4th National Level Conference on 'Pure Earth Environment' on 08/05/2022 from 11:30 AM to 5 PM in Virtual Mode, organized by Pure Earth Foundation, Hyderabad.

Dr.P.Shobharani, Asst.Prof. of Chem.,was the judge for the hackathon 'Innovate 4 menstrual waste hackathon'.

Jury Member

K.Syamala Devi, Assoc.Prof. of E.S, acted as a Jury Member for '6th Babul Eco Film Festival' from 01st – 05th June 2022.

Patents Granted / published

Dr.K.Syamala Devi, Assoc.Prof. of E.S ,has the following patent grants

1. 'Fertilizer Usage Monitoring and Price Estimation System for Crop' was granted the patent, Patent Number: 202141038799 in 2021.
2. 'Online Technical Learning and Advanced Training Management System' was granted the patent, Patent Number: 2020111050099 in 2021.

Dr.P.Shobharani, Asst.Prof. of Chem.has the following patent published,

'A system for Energy Management through Software Defined Network or Network Function Virtualization Architectures' Application number: 202141043601A

Workshops/Seminars attended by Faculty

Dr.K.Syamala Devi, Assoc.Prof. of E.S, has presented a paper entitled 'Social Work Practices and Sustainable Consumption during Covid - 19' on 04th and 05th October 2021, organized by Department of Social Work, Chaudhary Bansi Lal University, Bhiwani, Chandigarh.

O.Sujana, Asst.Prof. of Chem., has attended the following seminar,

1. International seminar on 'Current Trends and Futuristic Challenges in Chemical Sciences-2022' at Osmania University and presented a poster on Synthesis, cytotoxicity and molecular docking studies of chalcone1,2,3-triazol-1,3,5-triazin-quinazoline as anticancer agents , during 29th to 30th July , 2022.
2. Attended two day value added course on 'Electric Vehicle Technology' from 9th - 10th June, 2022 organised by EEE Department at G.Narayanamma Institute of Techology & Science (for Women), Hyderabad.

Dr.Pragathi Jogi, Asst.Prof. Of Chem., has presented a poster entitled 'Design, spectral characterization and biological studies of Transition metal complexes of Schiff base derived from 2-Amino methyl benzimidazole and Pyrrole-2-carboxaldehyde' Two Day International Seminar on 'current trends and futuristic challenges in chemical sciences' (ctfccs) 29th & 30th July 2022 in Osmania University.

NPTEL Courses (Faculty)

Dr. Pragathi Jogi, Asst.Prof. of Chem., Successfully completed 12 week (Jul-Oct 2021) NPTEL course on 'Bio Inorganic Chemistry'.

FDPs attended by Faculty

Dr.T.Charan Singh, HOD, has attended the following FDP, Three day national workshop Teaching, learning and evaluation at Lords Institute of Engineering and Technology Hyderabad 5th to 7th November 2021.

Dr.A.Alakanandana, Assoc.Prof. of Physics has attended the following FDPs,

International FDP (virtual) on 'Recent Trends In Transforming Life Sciences –Focus on Academia & Industry Symbiosis', 13th - 18th September, 2021.

1. 'Artificial Intelligence and Machine Learning Real Time Applications' 20th-30th September, 2021.
2. Inculcating universal Human values in Education an aspiration of NEP 2020, 9th May to 13th May 2022.

Dr. K. Syamala Devi, Assoc.Prof. of E.S, has attended 8 FDPs and 5 webinars, a few of which are,

1. Five Day National level Faculty Development Programme on 'Inculcating Human Values in Education – An Aspiration

of NEP 2020' from 09th – 13th May 2022, organized by Internal Quality Assurance Cell (IQAC) in association with Universal Human Values Cell (UHVC - HKBKCE), HKBK Degree College, Bangalore.

2. One Week International Faculty Development Programme on 'Recent Trends in Transforming Life Sciences – Focus on Academia and Industry Symbiosis' from 03rd – 08th September 2021, organized by Department of Biotechnology, Nizam College, Osmania University in association with Govt. City College and Loyola Academy, Hyderabad.
3. One Week National Level Faculty Development Programme on 'Enhancing Teaching and Creative an Effective Learning Process in Contemporary Era' from 22nd Feb to 27th September 2021, organized by Hindustan College of Arts and Science, Coimbatore.
4. National Webinar on 'National Education Policy 2020 – Motivated, Energized and Capable Faculty' organized by Internal Quality Assurance Cell (IQAC), in association with TGCTA, Jagityal, Telangana on 13th May 2022.
5. Attended a National Webinar on 'Impact of Covid – 19 on Global Entrepreneurship' organized by Department of Commerce, Maradhada Shikshan Prasarak's Mandal, Arts, Commerce and Science College, Beed (M.S).

Dr.I.Radhika and **Ch.Arathi**, Asst. Professors. of Physics have together attended the following seminars,

1. 'Current Trends in Research & Innovation - Research Paper Publications - IPR and Patents - Research Projects & Fundraising', held from 27th – 31st August 2021 conducted by, Institute for Academic Excellence, Hyderabad, in collaboration with 'Collegiate Education & Technical Education Department', Telangana State.
2. '3-Day National Level Workshop on Teaching, Learning & Evaluation- an OBE perspective' 05th-07th November 2021, organized by IQAC, Lords Institute of Engg. & Technology, Hyd. in association with INOBE.
3. Attended FDP (MOOC) Research Design and Research method from 14th to 20th May 2022 and obtained B+ grade at University of Delhi under MHRD.

O.Sujana, Asst.Prof. of Chem., has attended the following seminars,

1. International Seminar on 'Current Trends and futuristic challenges in chemical sciences-2022' at Osmania University and presented A poster on Synthesis, Cytotoxicity and Molecular docking studies of chalcone 1,2,3-triazol-1,3,5-triazin-quinazoline as anticancer agents, during 29th to 30th July 2022.
2. Attended two day value added course on 'Electric Vehicle Technology' from 9th - 10th June, 2022 organised by EEE Department at G.Narayanamma Institute of Technology & Science (for Women), Hyderabad.

Dr.P.Shobharani, Asst.Prof. of Chem., has attended 6 FDPs, few of which are,

1. Three day National Workshop Teaching, Learning and Evaluation at Lords institute of engineering and technology Hyderabad 5th to 7th November 2021.
2. One week online FDP on research tools and methodologies from 27th September to 1st October 2021. At Lendi Institute of Technology and Science, Vizainagaram.

Dr.Pragathi Jogi, Asst.Prof. of Chem., has attended 7 FDPs, and a webinar, few of which are

1. One week FDP on 'Materials for Photonics' 9/08/21-13/8/21
2. One week FDP on Atal FDP on 'Novel Materials' from 23/8/21 to 27/8/21 organised by AICTE-ATAL at SRM University.

B.Mrinalini, Asst.Prof. of Chem., has attended 7 FDPs, a few which are

1. 'Modern Methods in Organic Synthesis and Analytical Techniques' from 30/08/21 to 06/09/21.
2. 'Hydrological Modelling for extreme weather events in urban cities' from 28/09/21 to 30/09/21.

AWARDS achieved by Faculty

Dr.T.Charan Singh, HOD, has been awarded 'The Best Academician Award' by IESRA 2022.

Civil Engineering Department

Mr. T. V. Rammohan Reddy, Head

Mr.T.V.Rammohan Reddy did his B.Tech. in Civil Engineering from Vijayanagar Engineering College, Bellary and M.Tech. Transportation Engineering from JNTU Hyderabad. Later he did his M.B.A – HRM from Sri Krishnadevaraya University, Ananthapuramu. He is pursuing Ph.D. at JNTU-A. **Mr.T.V.Rammohan Reddy** has been associated with GNITS since its inception and with the GPR Trust for the past 26 years. The construction of all the buildings, Landscaping, Hardscaping and Sports grounds in the campus, has been an effective work output of Mr. Reddy. He has been Steering Committee Member for various National and International Conferences held in the college. As Head - Department of Civil Engineering, he maintains the facilities in the campus.

Civil Engineering department has attended to the following work during the last one year –

- Completed the construction of 4th Floor on Admn. Block with P.G.D.M. (S.o.I.M) infrastructure, Engineering Drawing Hall, and Class rooms
- Renovation of CSE HOD's Room

- Renovation of Amphitheatre, adjacent to sunken lawns, at the rear side of the Admn. Block
- Granite Cladding Work at ECE Block
- Construction of New Shed adjacent to Shuttle Badminton Court
- Hostel Retaining wall surroundings with landscaping
- Admn. Block Elevation Painting work Completed
- Admn. Block North side, Parking with Landscape work
- Retaining wall construction to the N-E of the Hostel
- Coordinated with S.o.I.M. during the Application process and the Inspection, and also during the PGNBA Inspection

Ongoing work

- New Block Preliminary work
- Old Sheds renovation work

The services of Mr. Suresh, Electrician, have been regularised.





Physical Education

Dr. M.V.L. Surya Kumari, Physical Directress

The department of Physical Education is headed by **Dr.M.V.L. Surya Kumari**. She is a Nationals Gold medalist in Athletics and was awarded the first Ph.D. in the area of Physical Education by Osmania University. Dr. Surya Kumari carried out her research work at National Institute of Nutrition, Hyderabad with UGC fellowship. Altogether, she has 20 years of experience in teaching. She is a certified Yoga Trainer and Diabetes Therapist. Dr. Surya Kumari is an Internationally accredited certified Fitness Trainer and Sports Nutritionist. Dr. Surya Kumari published and Presented 30 research papers in various International journals and conferences at USA, Australia, Thailand, UK (London Pre Olympic Conference) and India. Dr. Surya Kumari is a member of JNTUH Executive Sports Council; and Advisory committee member of the International Federation of Physical Education and Sports Sciences. Dr. Surya Kumari received Best Teacher Award from Rotaract Club, Hyderabad, Outstanding Distinguished Service Award from GNITS and received National Eminent Educator Award from International Federation of Physical Education, Fitness and Sports Sciences.

Department highlights

- During the academic year 2021-22, GNITS so far participated in 10 Inter Engineering college sports meets both at national and state level organized at different colleges and secured 26 titles in different sports events.
- 12 GNITS Throw ball players represented Telangana state Throw ball team in the Senior National Throw Ball Championship held at Rohtak, Haryana from 29th to 31st October 2021.

- 6 GNITS Throw ball players represented Telangana state Throw ball team in the Junior National Throw Ball Championship held at Udipi, Karnataka from 4th to 6th March 2022.
- During the academic year 2021-22, 15 players represented JNTUH in the All India Inter University tournaments in different sports disciplines.

Staff Achievements

Dr.M.V.L.Surya Kumari, Physical Directress:
Received National Eminent Educator Award from International Federation of Physical Education, Fitness and Sports Sciences on 5th December 2021 in recognition of her outstanding contribution to the field of Physical Education



All India Inter University Tournament Participants during 2021-22

S.No.	Name	Class	Event	Tournament held at Dates
1.	G.Geetha Krishna	III IT	Badminton	Krishna University, 13/12/2021 to 18/12/2021
2	B.Navya Madhuri	IV EEE	Volleyball	SRM University 13/12/2021 to 16/12/2021
3	V.Madhuri	IV CSE	Volleyball	SRM University 13/12/2021 to 16/12/2021
4	G.Yogini	IV ETM	Volleyball	SRM University 13/12/2021 to 16/12/2021
5	M.Charishma	III ECE	Volleyball	SRM University 13/12/2021 to 16/12/2021
6	K.Sachika Reddy	IV ECE	Basketball	M.G. University, Kottayam 27/12/2021 to 2/1/2022
7	E.Janet Angela	IV EEE	Basketball	M.G. University, Kottayam 27/12/2021 to 2/1/2022
8	L.Ramya Sri	III CSE	Table Tennis	Amity University, Chennai 4/1/2022 to 10/1/2022
9	K.Sravya	IV EEE	Table Tennis	Amity University, Chennai 4/1/2022 to 10/1/22
10	G.Tanushita Reddy	I CSD	Tennis	SRM University 3/1/2022 to 8/1/2022
11	K.Anvitha	III CSE	Chess	SRM University, Chennai 30/3/2022 to 3/4/2022
12	N.Rashmitha	II ECE	Chess	SRM University, Chennai 30/3/2022 to 3/4/2022
13	T.Naga Pranathi	IV ECE	Kho Kho	Kakatiya University, Warangal, 17/3/2022 to 20/3/2022
14	J.Chandrika	III IT	Kho Kho	Kakatiya University, Warangal, 17/3/2022 to 20/3/2022
15	S.Meenakshi	I EEE	Kho Kho	Kakatiya University, Warangal, 17/3/2022 to 20/3/2022

National Tournament Participants during 2021-22

S.No.	Name / Class	Event	Held at and Dates
1	N. Vyshnavi (I ECE), K. Sreeya (I CSE), G. Pranathi (I CST), Shaik Mahera (I CSD), T.A.L. Sravani (I CSD), L.Sindhu (I CSD)	Throw ball	National Throw ball Championship held at Durg, Chhattisgarh from 17 th March to 20 th March 2021.
2	V. Gayathri (IV ECE), K. Vinisha (IV CSE), G. Vinsha (IV ETM), M. Ruchitha (IV IT), B. Rishitha (IV ECE), J. Yashaswini (III ECE), S. Shriya (III CSE), R. Navya (III CSE), V. Divya (III ECE), S.V.L Santhoshi (II CST), T. Haarini (II ECE) K. Sreeya (II CSE)	Throw ball	National Throw ball Championship held at Rohtak, Haryana from 29 th October to 31 st October 2021

3	S.Shriya (III CSE), J.Yashaswini (III ECE), A. Moulika (I ECE) A.Alekhyia (I EEE), D.Chaitrika (I ETM), T. Sree Subha (I CST)	Throw ball	National Throw ball Championship held at Udipi, Karnataka from 4 th March to 6 th March 2022
4	C. Hari Sahithi (II EEE), M.Supriya Reddy (II CSE), T. Haarini (II ECE), S.V.L. Santhoshi (II CST)	Throw ball	National Throw ball Championship held at Pushkar,Rajasthan from 22 nd June to 30 th June 2022

Sports Achievements during the academic year 2021-22

- ❖ In the National level Inter Engineering College Sports Meet, ASHWATHAMA 2019 held at Sreenidhi Institute of Science and Technology from 6th to 9th Dec. 2021, GNITS won the following titles:

Table Tennis- Winners: L. Ramya Sree- III CSE and T. Shruthi- IV IT

Throw Ball – Winners:



Volleyball – Winners:



- ❖ In the State level open Chess Tournament held at Rishi Engineering College for women on 27th and 29th December 2021, GNITS won Winner Title.

Chess- Winner- T. Jaya Sree- I CST

- ❖ In the Inter Engineering College Sports Meet, SPORTS BLITZ 2K22, held at Malla Reddy College of Engineering and Technology on 4th and 5th March 2022, GNITS won Winners title in Throw ball event.

Throw ball – Winners:



- ❖ In the Inter University Sports fest held at Malla Reddy University on 16th to 18th March 2022, GNITS won Winners title in Throw ball event.

Throw ball- Winners



- ❖ In the Inter college Sports meet MILAN 22 held at Vignan Jyothi Institute of Management on 24th and 25th March 22, GNITS won the following titles:

Badminton- Singles- Runner- G. Geetha Krishna - III IT

Badminton Doubles- Winners- G. Geetha Krishna - III IT and Vainavi- I IT



- ❖ In the Padma Bhushan Dr.B.V.Raju Memorial Tournament held at B.V. Raju Institute of Technology, Narsapur, on 30th and 31st March 2022, GNITS won the following titles:

Throw ball – Winners:



Volleyball- Winners:



- ❖ In the National Level Inter Engineering College Sports Meet, KURUKSHETRA 22, held at KPRIT on 7th and 8th April 2022, GNITS won Winners title in Throw ball event.
- ❖ In the Inter Engineering College Sports Meet, EKALAVYA 22 held at Mahatma Gandhi Institute of Technology on 8th and 9th April 2022, GNITS won the following titles:

Throw ball – Winners:



Volleyball – Winners:



Basketball – Runners:



Table Tennis- Singles- Runner- L. Ramya Sree- III CSE

Table Tennis- Doubles- Winners- L . Ramya Sree- III CSE and T. Shruthi- IV IT



- ❖ In the State level Inter college Sports fest held at Mahaveer Engineering College on 12th and 13th April 22, GNITS won the following:

Throw ball – Winners:



Table Tennis - Singles- Runner- L. Ramya Sree- III CSE

Chess- Winner- K.Anvitha- III CSE

Chess- Runner- N.Rashmitha- II ECE



- ❖ In the National level Inter Engineering College Sports Meet, SPORTS BOUT 22, held at Anurag University on 22nd and 23rd April 22, GNITS won the following titles:

Throw ball – Winners:

Ms. K. Vinisha- IV CSE received BEST PLAYER award



Volleyball – Winners:



Kho Kho – Winners:

Ms. T. Naga Pranathi- IV ECE received BEST PLAYER award.



Chess- Runner- N.Rashmitha- II ECE



Table Tennis- Doubles- Winners - L.Ramya Sree- III CSE and T.Shruthi- IV IT

- ❖ In the National level Inter Engineering college sports meet, PHOENIX 22 held at Vidya Jyothi Institute of Technology on 12th and 13th May 2022, GNITS got the following titles:

Throw ball – Winners:



Kho Kho – Winners:



- ❖ In the State level Inter college Sports meet organized by JB Institute of Technology on 25th and 26th May 2022, GNITS won Winners title in Throw ball event.

Throw ball- Winners



- ❖ In the State level Inter college Sports fest organized by Mahindra University from 16th and 21st May 2022, GNITS got Winners title in Throw ball event.

Throw ball- Winners



- ❖ In the Indian Open Inter college sports meet held at VNRVJIET on 1st and 2nd June 2022, GNITS won Runners title in Basketball event.

Basketball – Runners:



- ❖ In the National Level Inter college sports meet organized by Vignan Institute of Management and Technology from 16th to 18th 2022, GNITS won the following titles:

Throw ball – Winners:

Volleyball – Winners:

Kho Kho- Winners:

Table Tennis - Singles- Winner: L. Ramya Sree- III CSE

Table Tennis - Singles - Runner: M.V.Vindhya- I CSD

Table Tennis - Doubles - Winners: L. Ramya Sree- III CSE and M.V.Vindhya- I CSD

200 mts. Run: I Place: S.Meenakshi- I EEE

- ❖ In the District Level Inter Engineering College FreedomCup Badminton championship organized by Chaitanya Bharathi Institute of Technology, Hyderabad as a part of Azadi ka Amrit Mahotsav, GNITS won Winners title.

Badminton (Team Event)- Winners: team Members: G. Geetha Krishna- IV IT, K.Meghana- I ETM, M.Vainavi- I IT and M.Sriya- I CSD.



GNITS Team Players

Throw ball team Members:

K. Vinisha IV CSE-B, V. Gayathri IV ECE-A, B.Rishitha IV ECE, G.Vinusha IV ETM, M. Ruchitha IV IT-A, Shubhankari Thakral IV CSE-B, S. Shriya III CSE-C, Nuzzath Tahreen III IT-A, J. Yashaswini III ECE-A, R.Navya III CSE, V.Divya III ECE, N.Kalavathi III ECE, C. Hari Sahithi II EEE-B, M. Supriya Reddy II CSE-C, T. Haarini II ECE-A, L. Sindhu II CSD, T.A.L.Sravani II CST, S. V. L. Santhoshi Pavani II CST, Charishma II CSE-A, Sreya II CSE-A, Divya II ECE-A, N. Rashmitha II ECE-C, U. Srividya II ETE, K. Pranaya II ECE-A, Shaik Mahera Sultana II CSD, C.Lakshmi Mahathi I EEE, P.Varshini I ECE, T.Srija I ECE, A.Naga Bhavani I CST, CH.Vangmai I CSE, G.Neha I EEE, Chandhana I CST, A. Moulika I ECE-B, A. Alekhya I EEE-B

Kho Kho Team Members:

T.Naga Pranathi IV-ECE-C, J.Chandrika III-IT-B, Ch. Gouthami III-IT-B, G. Sai Pravallika III-EEE-A, S. Meenakshi I-EEE-A, K. Jyoshna I-ECE-A, G.Tejasvi II-EEE-A, P.Dharani II-CSM, A.Hindu II-EEE-B, A.Chandana II-CSE-C, P.Sri Lakshmi II-EEE-A, Sri Varsha II-EEE-A

Volleyball team Members:

G. Yogini IV-ETM, N. Charishma Reddyn III-ECE-B, N. Charitha III-CSE-B, M. Shruthi II CSE-A, M. Mounika II-ECE-A, Mythilee II-ECE-A, D.Pravallika III CSE-B, M. Shirisha Reddy II-CSD, Manvitha II-CSD, G. Pranathi II CST

Basketball team Members:

K.Saachika Reddy- IVECE-C, E.Janet Angela- IVEEE-A, G.Hasitha- IVETE, Sathvika- IIIECE, Esha Reddy- IIIIT-A, Preethi polu- III IT-A, Sahithi Varma- II-IT-B, Sanugula Srujana- II-CST, Amogha Uppalpa- II-CST, M Shradha rao- I-CSE-B and R L N Harshitha- I-CSE-B.

Events Organised at GNITS during 2021-22

Annual Sports Awards Function- PURASKAR-22

The department of Physical Education organized Annual Sports awards function- PURASKAR-22 on 21st July 2022 at GNITS. Seventeen final year (2022 passing out batch) players from different sports disciplines who contributed their best to GNITS sports by winning many Titles and laurels to the college during 2018-22 were honored with special prizes.

All The players who represented JNTU in the All India Inter University championships in different sports during 2021-22 and also the players who represented Telangana state in the National Championships during 2021-22 were honored with special prizes. The prizes were given away by the Chairman Sri P. Subba Reddy garu, Principal Dr.K. Ramesh Reddy and other Heads of the Departments. Dr M.V.L. Surya Kumari, Physical Directress

presented a brief report on the activities and achievements of the Physical Education department during 2021-22.



Outgoing Player Award Winners

K. Vinisha- IV CSE-B, G. Vinusha- IV ETM, V. Gayathri-IV ECE-A, B.Rishitha-IV-ECE-C, M.Ruchitha-IV-IT-A, G.Yogini-IV ETM, B.Navyamadhuri-IV-EEE-B, E.Janet Anjal-IV-EEE-A, T.Naga Pranathi-IV-ECE-C, D. R.Pooja Sena-IVCSE-C, Sri Harshitha-IV-CSE-B, Triveni-IV-ECE-B, M.Madhuri-IV-CSE-A, Shubhankari - IV-CSE, T.Sruthi-IV-IT-A, K.Shravya-IV-EEE-B, K.Sachika Reddy-IV-ECE-C



National Tournament and All India Inter University Tournament participants during 2021-22

Ms. Nagapuri Charitha – III CSE, Volleyball player of GNITS team washonored with a special prize as she got a placement in TWILLO COMPANY with a huge package of 46.54 lakhs CTC.



GNITS Mini Sports Fest

The Department of Physical Education, GNITS organized MINI SPORTS FEST from 15th Dec. 2021 to 30th Dec. 2021 as part of Silver Jubilee Celebrations of GNITS. Competitions were conducted in 11 Sports disciplines namely Throw ball, Volleyball, Kho Kho, Kabaddi, Basketball, Chess, Badminton, Table tennis, Tug of War, Shot put, 100 mts. Run. Around 1285 students participated in these competitions. The prize distribution ceremony was conducted on 30th Dec. 2021. Principal Dr. K. Ramesh Reddy and other Heads of Departments gave away the



Glimpses of MINI SPORTS FEST

prizes to the event winners. Dr. M.V. L. Surya Kumari, Physical Directress welcomed the gathering and presented a report on the Mini Sports fest.

International Day of Yoga Celebrations

FIT INDIA and EBSB clubs of GNITS organized various programs on Yoga as part of 8th International day of Yoga and Azadi Ka Amruth Mahotsav at GNITS.

1. National Webinar on Yoga

National webinar on yoga for wellness on 12th June 22, from 10 am to 1 pm. The Resource persons for the webinar were:

- Dr.D.Jyothi, Associate Professor & Dept incharge, National Sanskrit University, Tirupati.
- Yogacharya Brij Bhushan Purohit, President IYF/Director Namaste Yoga.

The total no. of participants were around 350. Through the webinar, the participants have gained the knowledge of different types of breathing techniques, Yogacharya guruji has given insights on balance of health and happiness in an individual's life and also, explained about respiratory process. Dr. D.Jyothi briefed about the importance and benefits of yoga in women's life. Also, she explained about how yoga asanas can cure or improve health conditions in Women such as PCOD, thyroid etc.

2. 4 - day workshop on women's health

G. Narayanamma Institute of Technology and Science (For Women), Shaikpet, Hyderabad Conducted a four day workshop on "Yoga For Women's Health" from 14 -17th June 2022, 3 pm to 4:30 pm at GNITS Hostel premises as the part of 8th International day of Yoga and Azadi Ka Amruth Mahotsav .

The resource person for the workshop was Yogacharya Brij Bhushan Purohit, President, National Yoga Federation and Namaste Yoga Foundation.

82 students attended this 4-day workshop. The main focus of the workshop was health issues related to women's health like PCOD, Menstrual disorders. It was well appreciated and benefited by the students. The event was coordinated by fit India committee members, Dr.M.V.L.SuryaKumari, Dr.S.Vasundhara, Dr.K.Bharathalakshmi and Ch.Sravanthi.



3. 8th International Yoga day celebrations at GNITS

G. Narayanamma Institute of Technology and Science (for women), Hyderabad, organised 8th International day of Yoga on 21st June 2022 at 9:30 am in the campus in association with Indian women network and Sharmila's yoga zone .

The session was organised by eminent yoga trainers Ms.Sharmila and Miss Achalakumar Incharge, Principal Dr. K.RamaLinga Reddy welcomed the gathering and addressed the participants. Ms.Sharmila addressed the students and made them to realise the importance of yoga especially for teenage girls. she emphasised the need for balanced lifestyle for a stress free, healthy living. The students and staff of gnits performed Yoga under the Guidance of Ms.Sharmila and her team. Mrs. G.Srividya Reddy Secretary Gnits thanked and felicitated Ms.Sharmila & Ms.Achala kumar and their team members for accepting our invitation and for organising the event at gnits. The event was jointly organised by FitIndia & EBSB Clubs of Gnits as Dr.M.V.L.SuryaKumari as a convenor.



8th International Day of Yoga Celebrations at Parade Grounds, Hyderabad by Govt. of India.

GNITS participated in the 8th International day of yoga Celebrations at Parade grounds, Secunderabad on 21st June 2022 at 6 am organized by Government of India. About 80

students along with Dr.M.V.L.Suryakumari, Mrs. Bhageswari Ratkal & Mrs.Tulasiparticipated from the college.



Azadi Ka Amrit Mahotsav Celebrations

75 Years of Independence - Azadi Ka Amrit Mahotsav 15th August, 2022

As part of 75 Years Golden Jubilee Celebrations of Independent India – Azadi Ka Amrit Mahotsav the following events were held in the campus by GNITS - EK Bharath Sreshtha Bharat from 8th to 12th Aug 2022.

Elocution (My definition of Freedom), Singing Competition (Patriotic Song), Quiz Competition (Facts & Figures about Independence Day), Poster Presentation, Skill (National Building – social Issue) and Fancy Dress Competition



The Prizes for the winners in the various events were given on the Independence Day along with the certificates. Following is the list of the Prize winners:

I. No.	Event	PRIZE WINNERS	
1	Elocution (My definition of Freedom)	FIRST PRIZE:	A. Rohini Priya – 21251A04G3 – ECE-C
		SECOND PRIZE:	B. G. Chandana Sree – 21251A04G7- ECE-C
2	Singing Competition (Patriotic Song)	FIRST PRIZE:	Chinmayee Chada – 21251A04A2- ECE-B
		SECOND PRIZE:	Srija Burugula – 21251A6760- CSD
3	Quiz Competition (Facts & Figures about Independence Day)	FIRST PRIZE:	1. G. Yashwaswi Sree– 21251A12A4- IT-B 2. G. Arthi – 21251A12A8- IT-B 3. S. Sanjana – 21251A12C5- IT-B 4. K. Sai Sreeja – 21251A12B2- IT-B
		SECOND PRIZE:	1. A. Sindhu – 21251A0205- EEE-A 2. M. Naveena – 21251A04B6- ECE-B 3. P. Lakshmi Harini – 21251A6626- CSM 4. S. Vaishnavi – 21251A6657- CSM
4	Poster Presentation	FIRST PRIZE:	Suchitra Chawhan – 21251A0227- EEE-A
		SECOND PRIZE:	Sri Harshitha Chandu – 21251A0458- ECE-A
5	Skit (National Building – social Issue)	FIRST PRIZE:	-
		SECOND PRIZE:	-
6	Fancy Dress Competition	FIRST PRIZE:	G. Chandana Reddy – 21251A04E1- ECE-C
		SECOND PRIZE:	K. Sindhura – 21251A1744-ETE A. Amulya – 21251A0232- EEE-A

The Convenor of the celebrations was Dr. M VL Surya Kumari, Physical Directress. The Coordinator of the celebrations was Dr. Aparna Palle, Prof. & HOD, H&M. On 15th August, 2022 Honorable Chairman Shri. P. Subba Reddy Garu and the esteemed Principal Dr. K. Ramesh Reddy graced the occasion and gave their valuable message to build up the right work culture and code of ethics in the welfare of the Institute and the Nation at large. The program student coordinators were: G. B. Chandana, ECE, AnvithaEEE.

Women's day Celebrations:

GNITS participated in the 2K and 5K Run organized by SHE teams Telangana on 6th March 2022 at Necklace Road. About 800 students registered and participated in the event that was flagged off by Swath Lakra, IPS and Honorable Minister Mrs. Sabita Indra Reddy.



GNITS NPTEL LOCAL CHAPTER

Department Coordinators

Dr.M.Madhavilata, H&M Dept
Dr.K.Syamala Devi, BS Dept
T.Ammannamma, IT Dept

M.Lakshmi, ECE Dept.
A.ChandraSekhar, ETM Dept.

D.NagaSwetha, CSE Dept.
Y.Priyanka, EEE Dept.



GNITS NPTEL Centre has been recognized as 'Active local chapter' for JAN-DEC-2021 and JAN-APRIL 2022 by [National Programme on Technology Enhanced Learning \(NPTEL\)](#). Overall count of NPTEL Online Courses completed by students and faculty of all departments during JAN-DEC-2021 and JAN-APRIL 2022 has been mentioned in the following table.

Present	Elite Gold	Elite Silver	Elite	Completed Successfully	Participation
305	3	54	102	48	98

GNITS Local Chapter is happy to recognize and proud to be associated with the following categories of learners who have excelled as NPTEL Discipline Stars.

S.No	NAME	DEPARTMENT	STAR	TIMELINE
1.	Dr.A.Naveena	ETM department	npTEL_discipline_stars	July-Dec-2021
2.	Seshasai Priya Sadam	CSE department	npTEL_discipline_stars	July-Dec-2021
3.	Vadde Usha	IT department	npTEL_discipline_stars	July-Dec-2021
4.	Pathem Lavanya	ECE department	npTEL_discipline_stars	Jan-April-2022

ENTREPRENEURSHIP DEVELOPMENT CELL

Coordinator: Dr. Rajkumar L. Biradar

An Entrepreneurship Development Cell (EDC) in association with JNTUH has been functioning in GNITS, Hyderabad since 2007. The cell conducts seminars/workshops/panel discussions by inviting entrepreneurs from various fields to encourage and nurture entrepreneurship among the women engineering students.

Following are the online events conducted during the academic year 2021-22 under the banner of EDC, GNITS:

Sl.No	Program/Meeting/Workshop/Seminar	Date	Organiser	No. of Participants
1	Startups, Creativity and Innovation - Make Your Idea to Happen	16/06/2022	EDC GNITS in association with DST-Technology Enabling Centre (TEC), ENPRENDIA and ASPIRE, University of Hyderabad & Institution's Innovation Council (IIC)	313
2	Idea pitching competition and Student Entrepreneur Talk	29/12/2021	EDC GNITS in Collaboration with MIRAINEXT	103
3	'Sambhav'- e-National Level Awareness Programme (e-NLAP)	12/11/2021	EDC GNITS in association with MSME-DI, Hyderabad	148
4	Student Startups	29/10/2021	EDC GNITS in Association with EdVenture Park	265



Mechanical Engineering

Venkata Ramana Reddy, M., Assoc. Professor & HOD

M.Venkata Ramana Reddy has been working in this institution since its inception. He obtained his Bachelor degree in **B.Tech** (Mechanical Engineering) from **S.V. University College of Engineering, Tirupati** in the year 1996 and Masters in **M. Tech** (Industrial Engineering and Management) degree from **J.N.T.U, Hyderabad** in March 2001. Presently he is pursuing his research from Rayalaseema University. He joined as an Assistant Professor in Mechanical Engineering department and later was regularized for the same position in 1999. He was promoted as Senior Assistant Professor in 2006 and ratified as Associate professor in 2010. On 01/12/2015 he took the charge as Head of Department of Mechanical Branch. He received **Academic Excellence Award** in 2008 on the occasion of Teachers' day celebrations. He worked as ISTE student chapter faculty advisor and secretary earlier and rendered valuable services for more than two years. He is the main Time Table Coordinator for all UG & PG Courses. The department of Mechanical Engineering branch handles service subjects for other Engineering branches which include Engineering Mechanics, Operations Research, Engineering Drawing, and Engineering Workshop. He is also involved in the maintenance works in procurement of furniture for the institution. He attended many International and National conferences and published few papers in international journals. He is also a Life Member of ISTE.

Highlights of the Department

- ❖ **N.Hiranmai** received Award as '**STAR WOMEN OF THE YEAR 2022**' & received a Certificate of Participation for '**FANCY DRESS COMPETITION**' organized by NDLI Club of GNITS.
- ❖ **D.Niharika** won first prize in '**Logo design competition**' as part of Silver Jubilee Celebrations held on 16/2/22 by GNITS.
- ❖ **P.M.S.Hallika** received a Certificate of Participation for '**Fancy Dress Competition**' held on 12/08/2022, organized by NDLI Club, GNITS

Paper Publications

- ❖ **Dr.S.M. Swamy, S.Sarveswara Reddy, Dr.G.P.Prasada Reddy** published a paper titled: '**Computational Design Optimization for Duct**' in **International Journal of All Research Education and Scientific Methods** (IJARESM), ISSN: 2455-6211 Volume 9, Issue 7 July -2021, Impact Factor: 7.429, pp:904-912, Available online at: www.ijaresm.com.
- ❖ **M.Yashwant Kumar, M.V.Ramana Reddy**, published a paper on '**Optimization of Car Rim Using Designing And Analysis Softwares**' in **International Journal of Research in Aeronautical and Mechanical Engineering** (IJRAME), Volume 09, Issue 08, August 2021, PP 01-06, **ISSN (Online): 2321-3051**.
- ❖ **M.Yashwant Kumar, M.V.Ramana Reddy**, published a paper on '**Design and Specification of Building Integrated DC Electricity Networks for Laptop and Mobile charging**' in **International Journal of Mechanical Engineering and Technology** (IJMET), Volume 13, Issue 01, January 2022, PP 13-18, **ISSN Print: 0976-6340 & ISSN Online: 0976-6359**.
- ❖ Published a paper on '**Optimization of Car Rim Using Designing and Analysis Softwares**' in **International Journal of Research in Aeronautical and Mechanical Engineering** (IJRAME), Volume 09, Issue 08, August 2021, PP 01-06, **ISSN (Online): 2321-3051**.

Workshops/Conferences/FDPs attended by staff members

- ❖ **M.Yashwant Kumar, M.V.Ramana Reddy**, published a technical paper in International Conference on '**Structural & Thermal Analysis of different Materials of Steam Turbine Blade Shaft using Finite Element Methods**' ICAMS-2021, November 2021, Vardhaman College of Engineering, Shamshabad, Hyderabad, Telangana.
- N.Hiranmai**, Assistant Prof.
 1. Received Swayam online course certificate on '**Communication Skills Modes & Knowledge Dissemination**', an AICTE Module.
 2. Received a Certificate of participation for '**GNITS Internal – NDLI USER AWARENESS EVENT**'
- D. Niharika**, Assistant Prof.
 1. Completed a certification course on '**Python for Data Science, AI & Development**' offered by IBM.
 2. Completed a certification course on '**Python project for Data Science**' offered by IBM.
 3. Participated in '**Fancy Dress Competition**' held on Aug 12, 2022 organized by NDLI Club of GNITS.
 4. Participated in the '**GNITS Internal-NDLI USER Awareness Event**' held on Aug 7, 2022 organized by the NDLI Club of GNITS.
 5. Completed a Swayam online course certification on '**Professional Ethics for higher Education Teachers**', an AICTE Module from July to September 2021.
 6. Participated in an Online Webinar on '**How to Plan for Start-up, Legal & Ethical Steps**' organized by Internal Quality Assurance (IQAC) & Institution Innovation Council (IIC), Narasaraopet Engineering College (autonomous), Narasaraopet, 25th August, 2021.
- P.M.S.Hallika**, Assistant Prof.
 1. Participated in an Online webinar on '**How to Plan for Start-Up, Legal & Ethical Steps**' organized by Narsaraopeta Engineering College on 25th August 2021.
 2. Received a Certificate of Participation for '**GNITS Internal-NDLI User Awareness Event**' held on 07/08/2021, organized by NDLI Club, GNITS.
 3. Attended a 5-day ATAL FDP on '**Design, Synthesis and Characterization of Novel Materials**' from 25/10/2021 to 29/10/2021 at Indian Institute of Information Technology Tiruchirapalli.
 4. Attended a 5-day ATAL FDP on '**Cyber Security**' from 22/11/2021 to 26/11/2021 at Graphic Era Deemed to be University
 5. Received a Certificate of Participation for '**Painting Competition**' held on 22/01/2022, organized by NDLI Club, GNITS
 6. Participated in a seminar on '**Environment Protection – Need for an hour**' held on 08/06/2022, organized by NDLI Club, GNITS
 7. Received Swayam online course certification on '**Communication Skills Modes & Knowledge Dissemination**', an AICTE Module
 8. Received Swayam online course certification on '**Student Assessment**', an AICTE Module
 9. Received a Certificate of Participation for '**Fancy Dress Competition**' held on 12/08/2022, organized by NDLI Club, GNITS



COLLEGE LIBRARY - Dr. K. Bharatha Lakshmi Devi, Librarian

Dr.K.Bharatha Lakshmi Devi obtained her B.Sc. degree from Nagarjuna University, BLISc from Dr.BRAOU, MLISc and Ph.D from Osmania University. She has qualified SLET and did PGDLAN from HCU. She has a total of 28 years work experience out of which 23 years are in GNITS. She visited many libraries in abroad like Rutgers Library- New jersey, Champaign public library-Champaign, Illinois university library and Bibliotica universitaria Alessandrina – Rome. She attended and presented 4 International, 6 National conference papers. She is the life member for ALSD, ILA, IATLIS, ISTE & CSE. She is an executive member of ALSD. With her coordination, the college successfully obtained ISO re-certification during 2012-2014. She is the convener of VCHE (Vivekananda Kendra for Human Excellence), Common Grievance Cell, Editorial board member of Sankethika Bharathi and coordinator for GNITS hostels.

Salient Features of GNITS Library

For the academic year 2021-2022 the budget of Rs.25,13,000/- was sanctioned for the procurement of additional books, National & International journals and Magazines print and online, also furniture for the library and Rs.19,77,604/- lakhs has been spent for the procurement of books and others.

The library is situated in an exclusive space of 15044 sq.ft area with duplex construction, ground floor consisting of Circulation Section, News Papers, Periodicals, Digital Library, Reprography, B.Tech Textbooks and Fiction books & 1st Floor

Textbooks of B.Tech. Maths, Physics, Chemistry, Management & M.Tech including all Reference Books, Personality Development, Telugu Literature, Social Welfare Books, Project reports, CDS and Video Cassettes, Discussion Rooms and Processing Section.

Details of the library collection

Titles	: 9435
Volumes	: 43,758 + 3000 (Social Welfare Books)
Foreign Journals & Magazines	: 25 Print Version
Indian Journals & Magazines	: 75
General Journals & Magazines	: 36

e- Library

We have membership for accessing online journals and e-content. The following services can be accessed within the campus through LAN.

1. IEEE Explore Digital Library 2. J-Gate 3. Elsevier – Scopus Database 4. DELNET – Database 5. NDL- Database

Seminars/Workshops attended by Staff

Dr. K. Bharatha Lakshmi Devi

Online Seminar/Workshops attended	- 06
Organized NDLI Events	- 04

Library Timings

All working days: 9.00A.M. – 7.00 P.M.

Book returns will be allowed up to 5.00 P.M.

Daily 8.30 to 9.00 A.M. & 4.00 to 7.00 P.M. only for reference.

Sunday & 2nd Saturday's: 10.00 A.M. – 4.00 P.M (only for reference).



GNITS IEEE & WIE STB ACTIVITIES



Student Activity Centre : IEEE SB 64991 & WIE-GNITS, IEEE SB President: Dr. K. Ramesh Reddy

SB Vice President: Dr. N. Malla Reddy

WIE Advisor: Dr.Renuka Devi S M

IEEE SB Counselor: Dr. D V Lalitha Parameshwari

Department coordinators

Ms.Tejaswini , EEE

Ms. G. Madhavi, ECE

Ms. D Vandana, IT

Dr. B. Sushma, H & M

Ms. I. Radhika BS

Students Executive committee

G.Vaishnavi SB Chair

Ashwini 2/4 WIE Chair

P. Kavya Vice Chair

J.Sarasija Sharma SB Sec

Arpita Bejugam WiE Sec

T. Sreeja Treasurer

D. Harshini -PR Head

Public Relations

Kalikaar Krithi, R. Harshini

B. Raja Rajeshwari

Jhansi laxmi

S. Krishna Snehittha

N Akhila

IEEE SB GNITS has 19 IEEE Student Members. The SB has received \$350 sanction order for the events to be conducted under SPAX activities. Following events were organized by IEEE SB GNITS.

1. An online Talk on 'Digital Wellness' with speakers **Rijul Arora, digital wellness advocate and Speaker, Ritom Gupta, Full Stack web developer, Rainar Angelo digital wellness advocate** was organized on 26th Sept 2021.
2. IEEE SB along with **Ms.Tejaswini & Dr.Renuka Devi S M** have organized 1-day, **STAR Program: ENKIDLING CAREER on 15-03-2022**. This program was held at Roundtable government high school, Film Nagar, for 9th standard students. A speech on 'Social Responsibilities' by **Mr.AV.Narayana Rao, Journalist, Andhra Jyothi, AIR News Reader** was organized. IEEE EXCOM Student members demonstrated science models and games, also they gave talk on career guidance for the school students.
3. IEEE SB organized a webinar on 'Digital Safety in information age' on 8th April 2022, with resource person **Ms.Sailaja Vadlamudi, Sr Director & Application, Security Lead, SAP Labs India, WiCSP** founder. Around 50 students attended the webinar and got benefitted by digital safety information.
4. IEEE SB along with Workshop coordinators **Ms.D.Vandana, Ms.G.Madhavi & Dr.Renuka Devi SM** have organized 2-day workshop on 'Web Application Hacking: Hands on' on 20th & 21st June 2022 with **Ms.Sujatha Yakasiri, founder of OWASP** as the Resource person. The workshop received good response and 168 students attended the event. The event concluded with a test where in there was active involvement of students.



IEEE EXCOM members during STAR Program



2-day workshop on Web Application Hacking



Dr.S.Ramacharan
Coordinator



Dr G. Malini Devi
Co-Coordinator

2021-22 I-Cell Activities

1. **Idea pitching** Contest for **I B.Tech and M.Tech students** in online mode
 2. Learn by Research Session-Faculty Members on 09-11-21
 3. Learn by Research Session-Students on 10-11-21
 4. Idea Pitching Contest organized by GNITS I-Cell in collaboration with MHRD-IIC and JHUB on 26th Nov 21
 5. Intra College Hackathon Contest organized by GNITS I-Cell in collaboration with MHRD-IIC and JHUB -Software and hardware Edition 02-04 Dec 21
 6. Human Centered Design sessions for Students on 01-12-21 and 06-12-21
 7. Internal SIH Hackathon Preliminary Selection Assessment 16-03-22
 8. GNITS I-Cell and MiraiNxt Innworks Pvt Ltd is organized **Idea pitching** Contest for **MSME Proposals on 26-03-22**
 9. SIH 2022 Winners – Cash Prize of 1 Lakh at Kochi Kerala.
- ❖ **Idea pitching** Contest for **I B.Tech and M.Tech students** in online mode

GNITS I-Cell organized **Idea pitching** Contest for **I B.Tech and M.Tech students** in online mode in **September 2021**. We have received around 45 ideas from students. The following were the themes:

1. Environmental Safety
2. Bio Technology
3. Waste Management
4. Modern Agriculture related themes.
5. Smart city and city expansion

A panel of internal judges screened the ideas and selected 5 best presentations which were further judged by the following panel members

1. **Dr.N Kalyani**, CSE Dept.,
2. **Dr.Rajkumar Biradar**, ETM Dept.
3. **Dr.V.Vijaya Lakshmi**, ECE-Dept.
4. **Dr.V.Supriya**, IT Dept.
5. **Dr.T.Surya Prakash**, EEE Dept.

The following were the winners of idea pitching Contest 2021

S.No	Names	Roll No	Branch	Category	Prize
1	M Suma P Akshara	20251A05G5 20251A05F2	CSE	Modern Agriculture-Quantum Computing in Agriculture	I
2	Parinita Sri Bhavani Marella	20251A6617	CSM	Waste Management	II
3	B. Sahithi S. Vathsalya	20251A1705 20251A1753	ETE	Waste Management	III



- ❖ **Learn by Research Session-Faculty Members (09-11-21) Students (10-11-21)**

GNITS I-Cell organized a session on **How to introduce research culture in engineering colleges in association with Marainxt Pvt Ltd and Learn by research**. This

session was organized separately for faculty and students. Around 100 members attended the programs. The Speaker of both the sessions was **Mr Karan Patil** CEO Learn by Research.



The main objective of this program was to bring research culture in faculty and students, how to publish research papers in high quality journals. Outcome of this session is to provide opportunity to explore and learn by using research sites and get guidelines in publication of quality papers.

- ❖ **Idea Pitching Contest organized by GNITS I-Cell in collaboration with MHRD-IIC and JHUB on 26th Nov 21**

GNITS I-Cell in collaboration with MHRD-IIC and JHUB conducted Idea Pitching contest. Around 13 teams participated in software edition and 24 teams in hardware edition. All the teams underwent two levels of assessment level 1-Pitching of the idea and level 2-Implementation- 35 Teams for Software Edition and 23 Teams for Hardware Edition (220 students).



- ❖ **Intra College Hackathon Contest organized by GNITS I-Cell in collaboration with MHRD-IIC and JHUB -Software and hardware Edition 02-04 Dec 21**

GNITS I-Cell in collaboration with MHRD-IIC and JHUB conducted Idea Pitching contest followed by hackathon. All the teams underwent two levels of assessment level 1-Pitching of the idea and level 2-Implementation.



The following teams are winners

Hardware Category

S.No	Idea Pitching title	Team Details
1	Automated hydroponic system	L. Sai Srivalli (18251A1751) M. Nikitha Reddy (18251A1720) Summaiya Mehveen (18251A1726) V. Naimisha (18251A1759)
2	Using a dtmf car to generate electricity from speed breakers	Meka Tanusha(20251A0477) Nooka Pallavi (20251A0480) Hema Sreyalahari Karanam (20251A0466) Majoju Vinitha (20251A04A6)
3	Advanced Water monitoring system for household applications	Ch.Deekshitha (18251A1705) Akshaya (18251A1702) Vaishnavi (18251A1703)

Software Category:

S.No	Idea Pitching title	Team Details
1.	Easy Find	S.Divya (19251A05B5) T.Sreehitha (19251A05B7)

❖ Human Cantered Design sessions for Students on 01-12-21 and 06-12-21

GNITS I-Cell in collaboration with MiraiNxt Innworks Pvt Ltd organized Human cantered design for all B.Tech and M.Tech Students around 80 students have attended the session.

The Main emphasis of this program is:

1. Thinking creatively
2. Innovative ideas
3. Teamwork importance
4. Thoughts about their project direction changed by session inputs
5. Got better understanding of innovative things
6. Gained confidence in thinking creatively and exploring new ideas
7. Grasped information about start-ups
8. Time management was learnt
9. How to proceed with thoughts and ideas of students was acquired
10. Learnt steps and methods that one should keep in our mind for start-ups

Mr.V.Vamsi Krishna and Ms.Ankita Biswas were resource persons on 01-12-21



Mr.Kartheek Thatikonda, Head, MiraiNxt Innworks Pvt Ltd on 06-12-21



❖ Internal SIH Hackathon Preliminary Selection Assessment 16-03-22

Internal Hackathon for SIH-2022 was conducted by I-Cell, GNITS

on 16-03-2022. Total 25 teams (14 for hardware edition and 11 for software edition) participated in this event under various domains like MedTech / BioTech / HealthTech, Miscellaneous, Disaster Management, Agriculture, Fitness & sports, Rich Culture & Heritage, Clean & Green Technology, Smart Education and Travel & Tourism. Out of which 15 teams (Hardware: 7 teams & software: 8 teams) were shortlisted.



❖ GNITS I-Cell and MiraiNxt Innworks Pvt Ltd organized Idea pitching Contest for MSME Proposals on 26-03-22

GNITS I-Cell and Marianxt Innworks Pvt Ltd has organized Idea pitching Contest for MSME Proposals for all B.Tech and M.Tech students on 26/03/2022 (Saturday)

The following were themes for Idea pitching

1. Block Chain
2. Sustainability Developments Goals-
3. IOT
4. Metaverse

After preliminary assessment 9 proposals were submitted to MSME

❖ Smart India Hackathon(SIH) Winners August 23-26 2022

GNITS team has won SIH 2022 I prize at Kochi with a cash prize of 1 Lakh. It's a great achievement for GNITS.

G. Narayanamma Institute of Technology and Science (for Women)

Team: TechHustlers

Org: Department of Telecommunications (DoT)

Problem Statement: Caller ID Spoofing

Team Members:

Shirisha, Greeshma from ETM

Pravalika, S. Divya from CSE

Vaishnavi, Charitha from EEE

Mentors: Mr.V.Vikas, Mr.A.Chandra Shaker from ETM





ISTE Student Chapter

Secretary: Ch. Hari Prasad, Asst. Prof, ECE, **Faculty Advisor:** Ch.Sudhakar Reddy, Assoc. Prof. IT Dept.,
Treasurer: Bhageshwari Ratkal, Asst. Professor, CSE Dept.

Faculty Coordinators

Mrs.M.Bhavani, Asst. Prof, IT
Mrs.D.R.Nandadevi, Asst. Prof, CSE
Mr.Ch.Leela Krishna, Asst. Professor, EEE
Mrs.P.Sreesudha, Asst. Prof, ETM
Mr.P.Chandasekar, Asst. Prof, ECE
Mrs.M.Nagasree, Sr. Asst. Prof. H&M

Student Committee

President P.Sai Joshita, IT
Vice President N.Manaswini, CSE
Secretary B.Navya Madhuri, EEE
Treasurer Ch.Deekshitha, ETE
M.Sneha, ECE

The **Indian Society for Technical Education Student Chapter** at **GNITS** has worked rigorously towards its aims by conducting various events at college and National level. Being the largest Students Chapter, it is very active with its activities spread out throughout the academic year. The feedback for the chapter inspires us to do better and scale new heights.

❖ ISTE Students chapter, G. Narayanamma Institute of Technology and Science, Hyderabad has organized a guest lecture on '**Internet of things**' on 19/02/2022. This guest lecture given by Mr. Shivakoti Vamshi Krishna, Edge Ops-Architect was intended for M.Tech I and II Year students of Computer Science and Engineering (CSE), Digital Electronics and Comm. System (ECE), Power Electronics & Electric Drives (EEE), Wireless & Mobile Communications (ETE), and Computer Networks & Information Security (IT). A total of 87 Participants including students and faculty who were interested in the IoT domain have attended it. The overall feedback was positive and overwhelming.

❖ Under ISTE Students Chapter, II and III year B.Tech students i.e., around 700+ Students have registered and attended '**Inspire-Hyd 2022 1 day Workshop on Career Excellence**' which was organized by **Kalam's Institute of Youth Excellence Foundation (KIYE)** whose vision is '**To Educate, Ignite, Inspire & Train Young Minds to become Great Citizens of India to Lead India to be No.1 In the world**'. To facilitate this, renowned resource persons from management team of the industry and successful leaders like **Dr.G.Satheesh Reddy**, Chairman DRDO and **Dr.S.Somanath**, Chairman ISRO have been roped in to inspire and ignite the audience.

❖ A **One Day National Level Technical Symposium IGNIUM 2K22** was conducted on **18th June 2022** under ISTE Students' Chapter with main events such as Technical Paper Presentation, Poster Presentation, Project Expo, Hackathon, along with 6 exciting department level parallel events with the following list of Main and parallel events scheduled at the respective venues.

❖ In The valedictory function of IGNIUM 2K22 Annual Techfest which was held on 18th June 2022 at 3:00PM, winners of all the events organized and conducted were awarded & Young Promising Engineers who have excelled in Academics, Extracurricular & Cocurricular with their performances for the academic year 2021-22, one student from each department has been awarded. Following is the list of awardees and event winners.

ISTE List of Young Promising Engineers', Academic Year 2021-22

S. No.	Department	Regd. No.	Name of the Student
1	CSE	18251A0568	Divi Pushpanjali
2	ECE	18251A04G3	Kalyani Jahnvi
3	EEE	18251A0233	B. Navya Madhuri
4	IT	18251A1247	Pranitha Kandimalla
5	ETM	18251A1707	Fareeha Hameed

❖ A total of around 760 students from GNITS and other engineering colleges in and around Hyderabad have participated in various events conducted. Overall feedback was positive and overwhelming.

IGNIUM 2K22 National Level Technical Symposium 18th of June – 2022

Main Events Schedule

09.30 AM to 1:00 PM	Paper Presentation (Department wise)
09.30 AM to 1:00 PM	Poster Presentation (Department wise)
10:00 AM to 1.00 PM	Project Expo/ Coding Hackathon Techathon(Hardware /Software)
01:00 PM to 2:00 PM	LUNCH
03:00 PM to 4:30 PM	IGNIUM Valedictory Function

Parallel Events Schedule

Dept.	Event	Event Timings	Venue of the Event
CSE	Escape Rooms 3.0 Tech-whiz	10.30AM -1.00 PM	CSE Block
ECE	Techv Vistra	10.30AM -1.00 PM	ECE Block
EEE	Quizee Buzzi	10.30AM -1.00 PM	EEE Block
ETM	Criss-Cross	10.30AM -1.00 PM	IT Block
IT	Jest Terrain	10.30AM -1.00 PM	IT Block



Paper Presentation CSE Department



TECHATHON CSE Department

Paper Presentation ECE Department



TECHATHON CSE Department

Paper Presentation ECE Department



Hackathon IT Department



Paper Presentation IT Department



Young Promising Engineer
ETE Department



Young Promising Engineer IT
Department (HoD)

Coverage in Local Newspaper SAKSHI dated 21/06/2022



Valedictory Prize Distribution
CSE Department



Valedictory Prize Distribution
ECE Department



Valedictory Prize Distribution
EEE Department



Valedictory Prize Distribution
ETE Department



Valedictory Prize Distribution
IT Department



Young Promising Engineer
ECE Department



Young Promising Engineer
CSE Department



Young Promising Engineer
EEE Department

వ్యక్తిత్వ వికాసంపై ఆసక్తి పెంచుకోండి



గోల్కొండ నడుపుతో పాటు విద్యార్థులు వ్యక్తిత్వ వికాసంపై ఆసక్తి పెంచుకోవాలని ఓకేఎస్ జీనారా యెమ్మల మహిళా అంబులెన్స్ కళాశాల వైస్ చైర్మన్ పరీ చాళకే కె.రామలింగారెడ్డి అన్నారు. ఇంటర్మీడియట్ స్టాఫ్ మరియు విద్యార్థి వ్యవస్థలలో చట్ట నేతృత్వ రెవరెన్డ్ షూరెంట్ డిప్యూటీ సుపరింటెండెంట్ 2022 అధికారిని జరిగింది. ఈ సందర్భంగా నడ స్పృహ వైస్ ప్రెసిడెంట్ చాళకే కె.రామలింగారెడ్డి మాట్లాడుతూ, సాంకేతిక విద్యార్థులకు సమగ్ర అభివృద్ధి ఎంచుకు అవసరం అనే అంశంపై

పరిశోధనలో విద్యార్థులు, అధ్యాపక సిబ్బంది విద్యార్థులకు అవగాహన కల్పించారు. ఇంటర్మీడియట్ విద్యలోని వివిధ విభాగాల విద్యార్థులకు అపార అవకాశాలు పెరుక్కుంటూ వర్తించును. అవకాశాల గ్రామిక ప్రేరణ, కంపెనీల వారు పోషించాల్సిన జాబ్ మేకాలు నిరసించి విద్యార్థులకు కనుపూర్ణ కాళ ముంద వారిని తమ కంపెనీల్లో పెద్ద పాత్ర కేటా ఆద్యోగాలు అభ్యుదయం కెల్పారు. విద్యార్థుల నేషన్ కుల్లోనూ చాళకే జీ.ప్రసాద్ రెడ్డి, వివిధ విభాగాలవారు ఎంపికైన స్టాఫ్ సాల్వార్డు.



Group Pic: ISTE Faculty, ISTE Student EB, Student Coordinators, HoD's of all departments, Vice Principal, Young Promising Engineers of all Departments and their Proud Parents

LITERARIA CLAVA

Mrs. Anupama Venugopal, Convenor, Asst. Professor of English, H&M

The year 2021-22 was action-packed with a fusion of offline and online events. Our club started with a small yet enjoyable event on 30th October 2021 followed by an online party exclusively for the LRs and LIT Alumni on Halloween eve. On 1st November 2021, Literaria Clava organized an event in collaboration with Next-meet; a student startup. Students got to explore the concept of Virtual and Augmented reality through a virtual treasure hunt. The same month on the 13th, Literaria Clava celebrated World Kindness Day by setting up a kindness tree for which students tied gratitude notes. In addition to this, Rock Painting and Calligraphy stalls were set up.

On 22nd December 2021, students were invited to go on a blind date with books, which were donated by other students. In accordance with the tradition of the club, our club successfully issued the 13th and 14th editions of the WE (Women Empowerment) magazine in the presence of all LRs,

chief guests and several dignitaries. These magazines have become a part of the heritage of GNITS.

GNITS MUN'21 was a three-day event conducted from 26th to 28th November 2021. It consisted of 4 committees; AIPPM (All India Political Party Meet), UNCSW (Commission on the Status of Women), DISEC (Disarmament and International Security Committee), and IP (International Press Corps). This event witnessed many students stepping into the shoes of delegates and represent the countries assigned to them. As per the agendas assigned to each committee, deliberations and discussions were conducted, while the IP was tasked to record every proceeding and conduct the Press Conference. It helped enhance and develop diplomacy, negotiation, communication, and researching skills. This was followed suit by the closing ceremony which observed enthusiastic and contented responses from the participants and the Executive Board alike.



This year was noteworthy on account of the much-anticipated book club; The Literary Coven, the daughter club. This launch was made even special by the presence of our chief guest, Mr. Venkat Sidda Reddy, renowned author, publisher, and filmmaker. The guest answered all the questions posed by budding literary enthusiasts, shared his own stories as a writer, and made the first generous donation to the club. This launch was followed by a fun cosplay event and brain teasers and the students were given treats.

Our club has organized a two-day fest, Nebulous on 17th and 18th June 2022. Preceding this event, our club has organized its first pride parade in the afternoon of 16th June. The club received overwhelming participation from the students, making this event significant. The parade was initiated to spread awareness about the LGBTQ+ community.

Our club has organized kicked off with a fest on 17th June with a Turncoat Debate, a debate with an eccentric twist where a single participant switches between supporting and opposing the topic at a given time, and Literary Musings, where the participants had to write based on a prompt or a picture given to them. The same afternoon, personality development workshop was conducted. Addressing us was a zestful entrepreneur, author, and motivational speaker, Mr. Praful

Garg, CEO of Younity, on placements and career guidance. He helped answer many questions posed and shared his knowledge on various personal and professional topics.

On 18th June, Literaria Clava had multiple events planned. Mock placements and group discussions; an event divided into two modules based on the real-life scenario of placement rounds. It was the event that determined the abilities, knowledge, and etiquette of the students. The next event was Literaria Ferret; a treasure hunt in which students formed a team and attempted in finding something that had been hidden, clues that were spread around the campus. Another event that was organized was the Performance Activism. Students were given the opportunity to speak up, raise their voices, and campaign on topics that factually needed recognition. It helped in bringing awareness to current issues and how they, as students, perceive world politics. Along with these, slam poetry, flamboyant speeches, stand-up comedies, and even sloganeering took place. These events were followed by the Second-Chance Prom, the most awaited event on the campus. It was an inclusive event for all those who couldn't attend their high school proms. It was a social event that allowed students to differentiate between and practice formal and informal interaction decorum.

NATIONAL SERVICE SCHEME (NSS)

Blood Donation Camp

As part of Silver Jubilee Year GNITS, NSS wing conducted Blood Donation Camp on 07th April 2022 at GNITS in collaboration with Red Cross Society, Vidyanagar, Hyderabad. Around 50 volunteers participated in the camp. The camp was successful with 68 Donors including staff and students. In this regard, the college Chairman Shri. P Subba Reddy garu, Principal Dr. K. Ramesh Reddy appreciated students for their social responsibility.



Blood Donation Camp at GNITS on 7th April, 2022



Mega Haritha Haram at GNITS on 18th April, 2022

Haritha Haram

As part of Silver Jubilee Year GNITS, NSS wing organized **Haritha Haram Program** on 18th April, 2022 at GNITS. In this program, an initiative was taken to plant 150 saplings at different places of GNITS. The Chief guest for this program was Dr. S. Shobha Rani, NSS Program Coordinator, JNTUH. Around 150 members participated in the event including Chairman Shri P. Subba Reddy garu and Principal Dr. K. Ramesh Reddy making it a successful event.

Women's Safety Club - ABHAYA

The Women's Safety Club – 'ABHAYA— SHE -Safety for Her Ensured' of G. Narayanamma Institute of Technology and Science (for women) has conducted awareness programs and organized events for women in and outside the college. GNITS being a Women's college, encourages women oriented activities and women empowerment programs. The establishment of ABHAYA is one such initiative which aims at promoting safety and confidence in women to protect themselves against anything that's unacceptable in terms of social conduct. Awareness is the first step towards self-defense. The wonderful opportunity given by the Telangana Police - Women Safety Wing to partner with them for the 'Train the Trainer' program paved the way for ABHAYA to take up the task of creating awareness about women's safety and protection in an effective way. It has been established to educate the college students about women protection & safety and give them training on skills that can be used for self-defense for ensuring their safety. 30 selected students from various departments were made part of ABHAYA and took training under this program. The training was conducted from 4/01/21 to 8/01/21, online on Zoom and the students were certified as Trainers by Telangana Police. The resource persons for the session were eminent police personnel like MRS SUMATHI DPTY IPS, MRS SWATHI LAKRA IPS WOMEN SAFETY WING and personnel from various NGOs.

List of Activities conducted:

1. SELF DEFENSE WORKSHOP

A two day self-defense workshop was conducted to the I B.Tech students on 28th and 29th December 2021. The workshop was organized by N.Lakshmi Samrajyam, Black Belt VI Dan, SHE teams self-defense trainer. She won International gold medal three times, she also worked as Women's Defence Coach and Director of Rudrama Devi Self Defence Academy. Another 4 self-defense trainers from the same academy were also present to give demos of the skills and to guide students to practice these skills.

The program started with explanation of what is self-defense, why it is important to learn, importance of being physically fit and mentally tough to face the challenges in the outside world, by the trainer Mrs. Lakshmi. Also she explained the types of self-defense and its domains as cognitive, psychomotor and affective. The program was divided into general conditioning for physical fitness and practice of psychomotor skills and specific skills for different threats/ dangers. Different techniques to defend against different forms of attacks were taught, like Wrist Hold, stop an outside strike, escape a bear hug, use of hand edges to counter strike on attacker and many more.



2. CYBER SECURITY FOR WOMEN PROTECTION AND SAFETY

Cyber-crime and privacy breach in India has been growing exponentially every few months. Women are often harassed, stalked and threatened in the virtual world. In this scenario, it is important for every woman to understand the risks associated with transactions in cyber space. In this context, A one day awareness program on the need to be wary of the cybercrime against women was conducted on 30/12/21. Mr. Sandeep Mudalkar, renowned cyber security expert was invited as speaker. Implications of data leaks and privacy breaches through social media or email transactions and remedies were taught and widespread awareness on cybercrime like harassment via email, cyber-stalking, cyber defamation, morphing, email spoofing, hacking, cyber pornography and cyber sexual defamation, cyber flirting and cyber bullying were discussed.

3. OUTREACH PROGRAM ON WOMEN SAFETY AWARENESS CONDUCTED ON 30/12/2021 AT G. PULLA REDDY COLLEGE OF PHARMACY AND G.PULLA REDDY DEGREE AND PG COLLEGE, MEHDIPATNAM , HYDERABAD

Awareness is the first step towards self-defense!!

The ABHAYA team initiated the awareness program first in the college on 30/12/2021 by sending the student trainers to each and every class for briefing about women safety cell



and about 'Bharosa' "SHE Teams" and Hawkeye" that can help girls in distress. "The Bharosa centre" acts as a shelter for those who have been subjected to abuse. "SHE Teams" is a division of Telangana Police for enhanced safety and security of women. "Hawkeye" is a mobile app with an SOS button that can be downloaded for accessing help in emergencies. The team next conducted an outreach program at G.Pulla Reddy College of Pharmacy and G.Pulla Reddy Degree and PG college , Mehdiapatnam , Hyderabad for spreading the women safety awareness to their girl students. Around 452 girls attended the program. The program included PPT

presentation, special talks by the ABHAYA team (both coordinators and students), NGO representatives, and a very impactful dance drama by ABHAYA student volunteers that projected the women vulnerabilities and dealing with them. All the girls were made to download and install the Hawkeye App in the event. Feedback and suggestions were taken that reflect the usefulness of the program. A special pamphlet was designed for disseminating the knowledge to all the girl students that contained all the necessary details about the ABHAYA, the TS police initiative, Bharosa, SHE teams and Hawkeye App. This pamphlet was distributed to all the girl students. The program received huge appreciation from the principals, staff and students of the colleges.



4. INTERNATIONAL WOMEN'S DAY CELEBRATIONS 2022

International Women's Day Celebrations were organized at GNITS from 7th to 11th March 2022. The Schedule of the Five Daylong event is as follows:

The Day one Event ie. on 7th March 2022 Open Discussion on the Theme: End of Violence

Against Women was conducted in the Seminar Hall. Around 20 students participated in the Event enthusiastically. The session continued for 1 hour.

The Day two event on Women's Day, 8th March 2022, a JAM session was conducted. As much as 50 Registrations were done. Best speaker was selected by a Two Judge Panel. High Tea was arranged in Lawns at Sri Pulla Reddy Memorial. Most of the Faculty and Majority of students gathered the occasion. The theme color was Purple on Women's Day. Balloons in Purple color were released to commemorate the International Women's Day at GNITS.

The Day three event on 9th March 2022 conducted was Hair donation under SHAIR Campaign. This is donating hair to prepare wigs for under privileged communities. As Cancer patients' loose hair due to Radiation Therapy wigs are being donated by them. This was arranged by CAV1N KARE Pvt. Ltd - TRENDS DIVISION in support with Green Trends. Both students and Staff voluntarily donated Hair. Certificates were issued to all the Participants who donated hair.

The Day four event on 10th March 2022 was a Talk on "GIRL SAFETY" by Chief Guest Ms. Tejdeep Kaur Menon, Retd IPS Officer. Ms Tejdeep Kaur addressed students on the importance of Women Safety, the awareness on Self Defense and the necessity of training for every girl. followed by Women's Safety Awareness Programme' by ABHAYA-GNITS- Women Safety Club. The event was jointly organized by All India Women's Conference, Hyderabad Chapter. Dignitaries attended were Mrs Srividya, Secretary and Incharge Principal Dr K Ramalinga Reddy, HOD's of all Departments, members of All India Women's Conference, Hyderabad Chapter and Members of Women Safety club, GNITS.

The Day five event on 11th March 2022 is a Valedictory function. Chief Guest of the event All India Women's Conference, Hyderabad Chapter Joint Secretary Ms. Supriya Kalerao addressed the students. She talked on the rights of Women and the Safety measures like Self Defence to be adapted by Women at any stage and under any Circumstances. Principal, Dr K.Ramesh Reddy also participated in the event. A magazine on Women Empowerment **WE** Magazine was released on the Valedictory Day.

Star Women contest was organized and all the winners from each Department ie. Star Women 2022 were felicitated with a Star Memento. Prize distribution for Winners of Day One competition on the topic 'End of Women Violence' and Day two event 'JAM session.'



GRADUATION CEREMONY

GNITS held its first ever Graduation Ceremony of BATCH 2018-2022 - the 1st Autonomous Batch on 20th & 21st July, 2022

