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RESEARCH & DEVELOPMENT CELL

Annual report AY 2024-25

Journal Publications

S. No	Name of the Faculty	Designation	Dept	Name of the Event Participated	Particulars of Event/Journal	Date/Dates
1	Dr. B.Hari Prasad	Associate Professor	EEE	Publication on "Vehicle to Grid Power Transfer Method for Electric Vehicles using OFF board Charger"	International Journal of Electrical and Electronics Research(IJEER)	30.11.24
2	Dr. B.Rajesh Kumar	Associate Professor	CSE	Publication on Integrating Lexical Analysis and Machine Learning for Threat Prediction in National Security	International journal of advance research and innovative ideas in education	2025
3	Dr. C.Veena	Professor	CSE	Publication on Integrating Lexical Analysis and Machine Learning for Threat Prediction in National Security	International journal of advance research and innovative ideas in education	2025
4	Dr. Dileep Kumar	Professor	CSE	Publication on Integrating Lexical Analysis and Machine Learning for Threat Prediction in National Security	International journal of advance research and innovative ideas in education	2025
5	M.Dharani Kumar	Associate Professor	CSE	Publication on Enhancing Botnet detection with Explainable AI and OSINT"	International Journal of Advance Research and Innovative Ideas in Education	2025
6	V.Surya Prakash	Assistant Professor	EEE	Publication of paper on "Predictive Control of PMSG Based Photovoltaic and Wind Hybrid Power System"	International Journal of Novel Research and Development	March-2025
7	D.Mahesh Kumar	Associate Professor	EEE	Publication of paper on "Predictive Control of	International Journal of Novel Research and	March-2025



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				PMSG Based Photovoltaic and Wind Hybrid Power System”	Development	
8	Dr. A.Pavani	Professor	H&S	Published paper on “Role of Digital Humanities in Acquisition of Knowledge in the Current Scenario”	Recent Diciplinary Trends Towards Social Transformation	21.03.25 & 22.03.25
9	Dr. C.Veena	Professor	CSE	Publication of paper on “Adaptive pavement crack segmentation with multitask learning” Volume-11 Issue-2 2025	International journal of advance research and innovative ideas in education Paper ID: 25901 ISSN: 2395-4396	2025
10	Dr. G.Sreenivasa n	Professor	EEE	Publication on “performance assessment of optimal marine predator algorithm based converter for grid connected wind energy system”	IEEE explore, https://ieeexplore.ieee.org/document/1931885	27.03.25
11	Dr. B.Hari Prasad	Associate Professor	EEE	Publication on “performance assessment of optimal marine predator algorithm based converter for grid connected wind energy system”	IEEE explore, https://ieeexplore.ieee.org/document/1931885	27.03.25
12	Dr B.Hari Prasad	Associate Professor	EEE	Research paper publication on “Novel Configuration of multi level inverter by Reduction in DC sources”	Proceedings of the International Conference on Electronics and Renewable systems(ICEARS 2025) IEEE xplre, part number CFP25AV8-ART; ISBN 979-8-3315-0967-5	April-25
13	B.Mounika	M.Tech Scholor	EEE	Publication of paper entitled “Predictive control of PMSG based photovoltaic and wind Hybrid power system”.	International journal of Novel Research and development (IJNRD), ISSN:2456-4184 volume 10, Issue-3 Impact factor 8.76, Google scholar	March 2025
14	V.Surya Prakash	Assistant Professor	EEE	Publication of paper entitled “Predictive control of PMSG based photovoltaic and wind Hybrid power system”.	International journal of Novel Research and development (IJNRD), ISSN:2456-4184 volume 10, Issue-3 Impact factor 8.76,	March 2025



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					Google scholar	
15	D.Mahesh Kumar	Associate Professor	EEE	Publication of paper entitled "Predictive control of PMSG based photovoltaic and wind Hybrid power system".	International journal of Novel Research and development (IJNRD), ISSN:2456-4184 volume 10, Issue-3 Impact factor 8.76, Google scholar	March 2025
16	Dr L.Balasubramanyam	Professor	Mech	Published a journal on "Revolutionizing 3D printer with arduino code Integration : A Focus on Automatic bed Leveling"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April, 2025
17	D.Madhu Sree	Assistant Professor	Mech	Published a journal on "Revolutionizing 3D printer with arduino code Integration : A Focus on Automatic bed Leveling"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April, 2025
18	N.Karthikeyan	Assistant Professor	Mech	Published a journal on "Revolutionizing 3D printer with arduino code Integration : A Focus on Automatic bed Leveling"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April, 2025
19	Dr L.Balasubramanyam	Professor	Mech	Published a journal on "Hybrid Trolley-Lift System for Enhanced E-Lift Efficiency"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April, 2025
20	Dr Y.Santhosh Kumar Reddy	Professor	Mech	Published a journal on "Hybrid Trolley-Lift System for Enhanced E-Lift Efficiency"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April, 2025
21	Dr L.Balasubramanyam	Professor	Mech	Published a journal on "IOT-Enabled Robotic Systems for Real-Time Alcohol, Smoke and obstacle detection with Autonomous Safety Alert Mechanisms"	IJIRT, Volume 11, ISSN : 2349-6002	25 April
22	D.Madhu Sree	Assistant Professor	Mech	Published a journal on "IOT-Enabled Robotic Systems for Real-Time Alcohol, Smoke and obstacle detection with Autonomous Safety Alert Mechanisms"	IJIRT, Volume 11, ISSN : 2349-6002	25 April



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23	N.Karthikeyan	Assistant Professor	Mech	Published a journal on "IOT-Enabled Robotic Systems for Real-Time Alcohol, Smoke and obstacle detection with Autonomous Safety Alert Mechanisms"	IJIRT, Volume 11, ISSN : 2349-6002	25 April
24	Dr K.R.Yellu Kumar	Associate Professor	Mech	Published a journal on "Fabrication and Testing of a Lead-Acid Battery Powered Go-Kart"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April
25	Dr L.Balasubramanyam	Professor	Mech	Published a journal on "Fabrication and Modal Analysis of Wind Turbine Rotor Blade"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April
26	C.Suresh	Assistant Professor	Mech	Published a journal on "Fabrication and Modal Analysis of Wind Turbine Rotor Blade"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April
27	Dr L.Balasubramanyam	Professor	Mech	Published a journal on "Sustainable Materials for a Circular Economy : Challenges and Future Directions in Biochar, Biopolymers, and Manufacturing"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April
28	N.Karthikeyan	Assistant Professor	Mech	Published a journal on "Sustainable Materials for a Circular Economy : Challenges and Future Directions in Biochar, Biopolymers, and Manufacturing"	International Journal of Creative Research Thoughts(IJCRT) Volume 13, Issue 4 April, ISSN : 2320-2882	4 April



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Conference

S. No	Name of the Faculty	Designation	Dept	Name of the Event Participated	Particulars of Event/Journal	Date/ Dates
1	Dr. P.Deepthi Jordhana	Professor	ECE	International conference on Big Data and Artificial Intelligence	Springer, Hyderabad	17.12.24 to 20.12.24
2	Dr. G.Sreenivasan	Professor	EEE	A conference on Recent Advances in Sustainable Engineering and Future Technologies IEEE Conference ID #6141	MVSREC and MEC, Hyderabad, Technically sponsored by IEEE, Hyderabad	27.12.24 to 29.12.24
3	Dr. B.Rajesh kumar	Associate Professor	CSE	International conference on "Integrating Lexical Analysis and Machine Learning for Threat Prediction in National Security"	Dr. N.G.P. Arts and Science College, Coimbatore	03.01.25
4	C.Veena	Professor	CSE	International conference on "Integrating Lexical Analysis and Machine Learning for Threat Prediction in National Security"	Dr. N.G.P. Arts and Science College, Coimbatore	03.01.25
5	Dr. B. Rajesh Kumar	Associate professor	CSE	International Conference on Computational Intelligence and Communication Technologies	Organized by Faculty of Computer Science in Collaboration with Curtin University , Malaysia	03.01.25
6	D.Lakshmi Prasanna	Assistant Professor	CSE	National Conference on "Basic Applications of Physics & Electronics"	S.V.Degree & PG College	22.02.25
7	A.Susanna Bai	Assistant Professor	MCA	National Conference on "Basic Applications of Physics & Electronics"	S.V.Degree & PG College	22.02.25
8	Dr. K.Kiran Kumar Rao	Professor	H&S	International Conference on "Sustainable Materials and Manufacturing for Industry 5.0"	Malla Reddy Engineering College, Hyderabad	21.02.25 & 22.02.25
9	D.Mahesh kumar	Associate Professor	EEE	Conference on "Gravitational Search Algorithm based	CVR College of Engineering, Hyderabad	21.02.25 & 22.02.25



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				Optimal Position of DG and Capacitor with Restructuring"		
10	M.Dharani Kumar	Assistant Professor	CSE	Presented a paper at 6 th International Conference on Metaverse Technologies and cloud computing-(ICMTCC-2025)	Vivekananda College of Arts and Sciences for Women	26.02.25 to 27.02.25
11	V.V.Gayathri	Assistant Professor	EEE	Presented a paper A comprehensive study on self charging electric vehicles using renewable energy and regenerative braking	2 nd international conference on emerging advances and applications in green energy(ICEAAGE-2025), Prasad V. potluri Siddhartha institute of technology, kanuru, vijayawada	25.02.25
12	Dr. P.Deepthi Jordhana	Professor	ECE	Conference on "Features fusion for natural tone-mapped image quality evaluation using DI-CNN"	1 st International Conference on Emerging trends in engineering, Technology & Management(ICETM-2k25)	11.04.25 to 12.04.25
13	Dr. P.Deepthi Jordhana	Professor	ECE	Conference on "Detection of brain tumors from MRI images using novel deep CNN"	3 rd international conference on Intelligent systems, Advanced computing and communication(ISACC)	27.04.25
14	Dr.P.Deepthi Jordhana	Professor	ECE	Conference on "Advanced footstep power generation system for charging mobile phones of authorized persons"	5 th National conference on Recent Advances in Technology & Engineering(CRATE-2025) Organized by Vemu Institute of technology, Tirupathi.	27.02.25 to 28.02.25
15	Y.Mamatha	Assistant Professor	MBA	Presented a paper on "The Role of Artificial Intelligence in Employee Performance in Private Sector"	International Conference on "Emerging practices in Business and Management(ICEPBM)", Saveetha Engineering College, Tamil Nadu.	22.05.25 & 23.05.25



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Patents

S. No.	Name of the Faculty	Designation	Dept	Name of the Event Participated	Publishers of Patent	Publication Date
1	Dr. C.Veena	Professor	CSE	Patent on "Neural Network Enhanced Compression Algorithm for High-Performance Data Storage"	Indian Patent Office	21.02.25
2	Y.Avanija	Associate Professor	ECE	A Patent on "AI – Powered Home Security Device"	The patent office, Government of India	27.02.25
3	Dr.G.Sreenivasan	Professor	EEE	Intelligent Vehicle Monitoring System Powered by IIOT and AI	Intellectual Property of India	06.06.2025
4	Dr.B.HariPrasad	Associate Professor	EEE	Intelligent Vehicle Monitoring System Powered by IIOT and AI	Intellectual Property of India	06.06.2025
5	V.V.Gayathri	Assistant Professor	EEE	Intelligent Vehicle Monitoring System Powered by IIOT and AI	Intellectual Property of India	06.06.2025

Text Books

S. No.	Name of the Faculty	Designation	Dept	Title of the Text Book	Name of Publication	ISBN No.
1	Dr. C.Veena	Professor	CSE	Edge, fog and cloud computing in IOT networking	CiiT	9789361260087
2	Dr. N.AnjuLatha	Associate Professor	ECE	Artificial Intelligence and Machine Learning, Recent trends and Applications	RK	978-93-48655-28-8



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Research Grants

S. No	Name of the Dept	Grants Received from	Nature of the work	Title of the Work	Amount in Rs.	Duration
1	EEE	AICTE ATAL Academy	1 week Off line ATAL FDP	Electric Vehicle Technology	3.5 Lakh	26.08.2024 to 31.08.2024
2	H&S	AICTE ATAL Academy	1 week On line ATAL FDP	AI Integrated next generation Semiconductor Devices	1 Lakh	16.12.24 to 21.12.24
3	ECE	JNTU FDC & IQAC	5 Day Off Line	AI Integrated Green Wireless Communication and Sensor Technologies	1 Lakh	24.09.2024 to 29.09.2024

Research Scholars

S. No	Name of the Faculty Registered as Scholar	Name of the University	Department	Area of Specialization	Date of Admission
1	Mr.G. Rajesh	JNTUA, Anantapuramu	CIVIL	Structural Engineering	24/04/2022
2	Smt.G.N.S. Varsha	JNTUA, Anantapuramu	CIVIL	Structural Engineering	21/06/2020
3	Smt P. Revathi	MBU, Tirupati.	CIVIL	Fiber Reinforced Concrete	17/06/2023
4	Mr.N. V. Vinay Kumar	S. V. University, Tirupati	EEE	Power Electronics	26/10/2020
5	Sri D. Mahesh Kumar	JNTUA, Anantapuramu	EEE	Power Systems	20/04/2015
6	Sri G Viswanath	JNTUA, Anantapuramu	ECE	Image Processing	07/10/2020
7	Smt Y. Avanija	JNTUA,	ECE	Power	29/06/2017



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		Anantapuramu		Management in IoT	
8	Sri B. Anurag Reddy	LPU	ECE	Signal Processing	01/07/2021
9	Miss V. Gnanaprasanna	JNTUA, Anantapuramu	ECE	Image Processing	24/04/2022
10	Mr V.Venkateswara Reddy	Gulbarga University, Gulbarga.	ECE	Microwave Engineering	08/11/2012
11	Mr S.Raghavendra swamy	SVU,Tirupathi	ECE	Signal Processing	2020
12	Smt.M.Revathi	SVU,Tirupathi	ECE	Signal Processing	17-10-2024
13	Mr K.Naveenkumar	JNTUA Anantapuramu	ECE	Wireless Communication & Signal Processing	16-10-2024
14	Miss Bantupalli Nagalakshmi	Vellore Institute of Technology, Vellore.	CSE	Deep Learning	08/07/2016
15	Sri D. Anand	AU, Vishakapatnam	H&S	English	06/04/2018
16	Sri G. Manohar	SKU, Anantapuramu.	H&S	Mathematics	26/03/2010
17	Miss SofiaBhanu	JNTUA Anantapuramu	MBA	Human Resource management	17-10-2024
18	Smt Y.Mamatha	VelTech University, Tamilnadu	MBA	HR Marketting	07-01-2025
19	Mr K Janardhan Reddy	JNTUA Anantapuramu	MCA	Computer Network	17-03-2023



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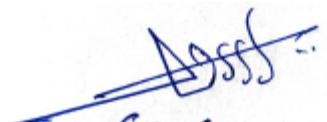
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Faculty as Research Supervisor

S. No	Name of the Faculty	Department	Name of the Scholar	Name of the University	Date of Admission	Area of Specialization	Status of Research
1	Dr G.Sreenivasan	EEE	L.Anitha	JNTUA	30/06/2023	Electrical Power Systems	Ongoing
2	Dr G.Sreenivasan	EEE	S.Amreen	MBU	30-7-2023	Electrical Power Systems	Ongoing
2	Dr. K Chinna Kullayappa	ECE	-	JNTUA	-	-	-
3	Dr, M.V.Sreeraj	ECE	-	JNTUA	-	-	-
4	Dr, C.Veena	CSE		JNTUA			
5	Dr.K.Manohar Reddy	Mech		JNTUA			
6	Dr.L.Balasubramanyam	Mech		JNTUA			
7	Dr. K. Chenna Keshavulu	H&S		JNTUA			


(Dr G. SREENIVASAN)

Dr. G SREENIVASAN

Convener