

Dr. AMIT GUPTA

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JNTUH Faculty Registration ID-24002 (2023) CSE (AI & ML)

JNTUH Faculty Registration ID 5778-180416-152538 (2018-2020)ECE

JNTUK Ratified (Associate Professor) (2022)

Ph.D. Awarded Under ECE Department (2016)

M.Tech. CCN (ECE) (2005)

B.Tech. ECE (1998)

Honorary Adjunct Professor and

Senior Fellow Of Scientific Innovation Research Group(Egypt)

Scopus id-5721441783

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Web of Science Researcher ID: HHN-5455-2022



NPTEL CERTIFICATES IN CSE DEPARTMENT (Eight Subjects)

- | | |
|---------------------------------------|--|
| 1. Introduction of Internet of Things | 3. Computer Networks and Internet Protocol |
| 2. Cryptography and Network Security | 4. Introduction to Industry 4.0 and Industrial IoT |
| 5. Introduction to Soft Computing | 6. Cloud Computing and Distributed Systems |
| 7. Data Analytics with Python | 8. Introduction of Machine Learning |

PROFILE SUMMARY

A quality-oriented professional with **25+** years of experience in academic **Project Handling, Paper Publications & Teaching** for **B.Tech. & M. Tech.** graduate.

- ↪ Currently associated with **J.B. Institute of Engineering and Technology, Moinabad , Secunderabad (Telangana)**, as Associate Professor in Department of AI & ML from **January 2024 2023 to till Date.**
- ↪ Associate with **Scientific Innovation Research Group (SIRG)**, Beni-Suef City, Egypt, 62688/2994/ T/21/6/2021, as **Honorary Adjunct Professor and Senior Fellow of SIRG, Egypt** for a term of three years (**25 November 2022 to 24 November 2025**) under the Dr. Ahmed Elngar Associate Professor, **Faculty of Computers & Artificial Intelligence, Beni-Suef University, Beni Suef City**, office box # (62511), Egypt. , **Adjunct Professor at School of Technology.**
- ↪ **One Hundred Eighteen (118)** papers have been published or submitted in various domains of **ECE and CSE.**
- ↪ **In the year 2023, Five SCI papers will be published.**
- ↪ **Eleven SCI papers submitted in Jan 2023-July 202 and One WOS paper publication.**
- ↪ **FIFTY –ONE Papers in Scopus index Journal and IEEE International Scopus Index Conference Publication.**
- ↪ **Twenty-four Publications** in the International Journals, (UGC-CARE-II Journals).
- ↪ **Twenty-Six Papers** in International Conference Publications.
- ↪ **Peer reviewer member of International Journal of Imaging Systems and Technology in Willy online**

Library.

- ↪ **Ten International Conferences Peer reviewer members.**
- ↪ **One Australian Government Patent in the field of AI.**
- ↪ **Two Indian Patent publications in field of Machine Learning and Micro Strip Patch Antenna.**
- ↪ **Three Research Project Submissions in Government Funding Organizations.**
- ↪ **Completed One Research Project in IOT Application**
- ↪ **Three Best Paper Awards in National Conference**
- ↪ **One Book publication with book Title “THICK FILM GAS SENSOR FABRICATION METHOD USING ANN” in field of thick film gas sensor and AI.**
- ↪ **Three Ongoing Consultancy Projects Completed.**
- ↪ **Organized three international conferences as a Convener in Narasaraopeta Engineering College.**
- ↪ **Worked as Convener in organization of International Conference in “Advances in Signal Processing and Communications (NEC-ICASPC-2K22), Narasaraopeta Engineering College, on 29th & 30th July, 2022.**
- ↪ **Worked as Co- Convener in organization of International Conference in “Advances in Signal Processing and Communications (NEC-ICASPC-2K21),Narasaraopeta Engineering College, on 23rd& 24th July, 2021.**
- ↪ **One Seminar organization in Field of Wireless Communication.**
- ↪ **Ten years Members of Internal Quality Assurance Cell (IQAC) in the college and University.**
- ↪ **Sixty-Six (One Week) Numbers of Faculty Development programs attended a different topic in the different institutes.**
- ↪ **Twenty-Nine E-quiz and Web Seminar Certificates.**
- ↪ **Three M.Tech (Thesis) Supervised in two Colleges.**
- ↪ **Forty Final years project Supervised in last Two Years.**
- ↪ **Previously Associated with Malla Reddy Institute of Science & Technology (MRITS) Maisammaguda, Secunderabad (Telangana), as Professor & HOD in Electronics & Communication Engineering Department from 9 March 2018- 31 July 2020.**
- ↪ **As Program Coordinator for National Assessment and Accreditation Council (NAAC) completed NAAC PEER TERM visit in college & institute got B+ Grade for the next five years in Malla Reddy Institute of Science & Technology (MRITS).**

- ↪ **As Program Coordinator for Criteria-2: Teaching, Learning, and Evaluation, National Assessment and Accreditation Council (NAAC) completed NAAC PEER TERM visit in college & institute got A+ Grade for the next five years in Narasaraopeta Engineering College (Autonomous), Narasaraopet.**
- ↪ **As Program Coordinator for National Board of Accreditation (NBA), the department got Four- year Approval by the NBA team in Narasaraopeta Engineering College (Autonomous), Narasaraopet.**
- ↪ Previously associated with Institute of Technology & Management (ITM), Gwalior, and Madhya Pradesh as **Head of Department (HOD) & Associate Professor** in the Department of Electronics & Communication Engineering.
- ↪ **As Program Coordinator for National Board of Accreditation (NBA), the department got three-year approval by the NBA team in Malla Reddy Institute of Science & Technology (MRITS). Chief Coordinator in Activity Based Continuous Assessment System (ABCAS) at the Institute of Technology & Management (ITM), Gwalior.**
- ↪ **Almost I have worked ten years in two universities (Amity University, Noida and Sir Padampat Singhanian University, Udaipur) different positions.**
- ↪ **Worked as Controller of Examination at Sir Padampat Singhanian University (Under the legacy of J. K. Cement Ltd.), Udaipur from December 2010 to July 2015.**
- ↪ **Member of Board of Studies (BOS), which developed various new courses and modified the exiting courses in Sir Padampat Singhanian University (Under the legacy of J. K. Cement Ltd.), and Amity University in order to make courses industries oriented.**
- ↪ **Worked as Head of Department in Electronics & Communication in Sir Padampat Singhanian University, (Under the legacy of J. K. Cement Ltd.), Udaipur (Rajasthan). NIRF RAKING 95 in India.**
- ↪ **Ph.D. degree awarded in Electronics & Communication Engineering “Design, Fabrication & Characterization of SnO₂ –Based Thick film Gas Sensor for Detection of Gases or Organic Vapors & Simulation Using ANN” from Sir Padampat Singhanian University, (Under the legacy of J. K. Cement Ltd.), Udaipur, Rajasthan. Thesis reviewed by Dr. D. Hong, University of Seoul (South Korea. (NIRF RAKING 95 in India).**
- ↪ **Organizer of DST Inspire Program from 06.04.2015 to 10.04.2015 in Sir Padampat Singhanian University campus, where took the laboratory sessions on simulation systems and basics of electrical wiring along with classifications for more than 150 students (students who secured A in CGPA, or, more than 8.1 CGPA in Rajasthan State Board) for 10th Std. (pass out) along with 11th and 12th standard students. Also interacted with them regarding various educational motivational activities with them as per their level.**
- ↪ **Experience & skills in developing curriculum to mandate different learning styles & maximizing students’ comprehension; conducted variously Workshops, Trainings & Seminars, and organized various conferences.**

- ↪ Proficiency in handling the administrative activities entailing event management like examination controller, training / seminars, and upholding the institutions motto.
- ↪ Worked as Member of various administrative labs committees for setup new lab in university or college.
- ↪ Proficient in designing the various electronics lab as per AICTE and UGC rules, as per the university requirement and cost -effective.
- ↪ Supervised more than 80 UG and 5 PG Thesis Guided (Guided & Developed in the college itself).
- ↪ Proficient in the planning of space reorganization according to the AICTE and UGC rules.

Working Profile

Name of College & University	Post	Time	Time	Nature of Work	Major Responsibility			
J.B.I.E.T	Associate Professor	May 2023	Till Date	Dean Research in College	Final Year Project Work	Faculty Paper Publication	NAAC and NBA Work of the College	Student Paper Publication
Narasarapeta Engineering College	Professor	Dec. 2020	Nov. 2022	Dean Research in Department	NAAC and NBA Work of the Department	Student Paper publication	IQAC Member of the College Design the new course structures of the Department	
Malla Reddy Institute of Science & Technology	Associate Professor	March 2018	July 2020	HOD	Worked as NAAC & NBA coordinator	Created and submitted FDP	MODROB proposal in AICTE to modification of lab.	
Institute of Technology and Management	Associate Professor	August 2016	March 2018	HOD	Coordinator of Chief Project-Based Learning (PBL) in ITM GOI.	Member of Career Development Cell Activity(CDCA),	Coordinator of Mentorship Program in Institute of Technology & Management	
Sir Padampat Singhania University	Associate Professor & Controller of	Dec. 2008	July 2016	HOD (Associate Professor) (Jan. 2009 – Dec.2010)	Conducted University Exam for B. Tech. MBA, BBA,	Reviewed the pre-set educational goals, objectives,	Member of Academic Council (Which developed	Head of the Department in the Department of

(Under the legacy of J. K. Cement Ltd.), Udaipur	Examination			& Controller of Examination (Jan. 2011-July 2015)	B.Com., BBM + MBA & Ph.D stream.	classroom instructional programs, establishing academic and other performance	various new courses and modified the exiting courses in university)	Electronics & Communication Engineering f
	Amity School of Engineering & Technology, Amity University, Noida, (Uttar Pradesh)	Nov. 2006	Dec. 2008	Senior Lecturer & Member of Board of Studies (BOS)	Member in National Assessment & Accreditation Council (NAAC) Committee	Program Leader worked as AHOD for 3 d Year Student	Lab Coordinator in Microwave Engineering, Antenna & Wave propagation and Analog & Digital Communication.	

ACADEMIC QUALIFICATIONS:

EXAMINATION PASSED	BOARD/ UNIVERSITY	INSTITUTION/UNIVERSITY STUDIED	YEAR OF PASSING	MARKS OBTAINED
Ph.D.(Electronics & Communication Department)	Sir Padampat Singhania University (Under the legacy of J.K. Cement Ltd.), Udaipur. NIRF RAKING 95 in India	Sir Padampat Singhania University, (Under the legacy of J. K. Cement Ltd.), Udaipur – 313601,	2016	64.34%
M. Tech (Communication, Control, and Networking)	Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (Madhya Pradesh)	Madhav Institute of Technology and Science, (Govt. Engg. College, Gwalior, (Madhya Pradesh)	2005	67%
B.E. (Electronics & Communication)	Barkatullah Vishwavidyalaya, Bhopal, (Madhya Pradesh)	Lakshmi Narain College of Technology, Bhopal, (Madhya Pradesh)	1998	63.5%

Higher Secondary(12 th)	Madhya Pradesh Board (Bhopal)	R.K. Vidya Mandir HigherSecondary School,Gwalior, (Madhya Pradesh)	1992	54.5%
Higher School (10 th)	Madhya Pradesh Board (Bhopal)	R.K. Vidya Mandir HigherSecondary School, Gwalior, (Madhya Pradesh)	1990	59%

Teaching Subject in Computer Science Department

At the Computer Science and Engineering Department, I teach a different computer science subjects.

- 1) Computer Networks and Internet Protocol
- 2) Introduction of Internet of Things
- 3) Predictive Analysis
- 4) Computer System
- 5) Cryptography and Network Security
- 6) Introduction of Machine Learning
- 7) Introduction of Deep Learning
- 8) Introduction of Artificial Neural Network
- 9) Cloud Computing and Distributed Systems
- 10) Data Analytics with Python
- 11) Introduction to Soft Computing
- 12) Programming In Java

TECHNICAL SKILL SET

Software	: MATLAB, Mobile IP along with Computer Networks Antenna Design Software HPSS, Multi-Sim, CSI, NS-2
AI & ML Tool	: Anaconda 3
Deep ML Tool	: WAKA Tool
Languages	: C, Java
Miscellaneous	: MS Excel, MS Power Point, MS Word

IMPORTANT INFORMATION IN MY CV

ANNEXURE-I (6-25)

a) PAPER PUBLICATION	(8-22)
b) PATENT	(23-24)
c) RESEARCH PROJECT SUBMISSION PROPOSAL	(25-26)
d) AWARD AND ONGOING CONSULTANCY PROJECTS	(26-29)

ANNEXURE-II

TEACHING ASSIGNMENT	(30-36)
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ANNEXURE-III

FDP AND WORKSHOP	(37-44)
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ANNEXURE-IV

INFORMATION	(45-48)
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ANNEXURE -I

SCI PAPERS PUBLICATION (5)

- ↪ Sudheer Mangalampalli Amit Gupta, Ganesh Reddy Karri, TulikaChakrabarti, Sri Hari Nallamala, Chakrabarti Prasun, Bhuvan Unhelkar, MartinMargala”**Fault tolerant Trust based task scheduling algorithm using Haris Hawks optimization in Cloud Computing**” MDPI ,Sensor, Sensors 2023, 23(18), 8009; <https://doi.org/10.3390/s23188009>, Impact Factor-3.92.
- ↪ Nagendra Singh,Tulika Chakrabarti , Prasun Chakrabarti , Martin Margala, **Amit Gupta** ,Sivaneasan Bala Krishnan and Bhuvan Unhelkar,” **A New PSO Technique Used for the Optimization of Multiobjective Economic Emission Dispatch,**” MDPI ,Electronics 2023, 12, 2960. Page 1-13, <https://doi.org/10.3390/electronics12132960>, Impact Factor-2.92.
- ↪ Nagendra Singh , Tulika Chakrabarti , Prasun Chakrabarti, Martin Margala,, **Amit Gupta**,S. Phani Praveen,, Sivaneasan Bala Krishnan and Bhuvan Unhelkar ,” **Novel Heuristic Optimization Technique to Solve Economic Load Dispatch and Economic Emission Load Dispatch Problems**”, MDPI ,Electronics 2023, 12, 2921. <https://doi.org/10.3390/electronics12132921>, Impact Factor-2.92.
- ↪ Arjun Singh, Shashi Kant Dargar , **Amit Gupta** , Ashish Kumar , Atul Kumar Srivastava , Mitali Srivastava ,Pradeep Kumar Tiwari , and Mohammad Aman Ullah "**Evolving Long Short-Term Memory Network based Text Classification**” Computational Intelligence and Neuroscience, Hindawi Publication. Volume 2022, Article ID 4725639, 11 pages, <https://doi.org/10.1155/2022/4725639>.
- ↪ Sudheer Mangalampalli, ,Hahmi B, **Amit Gupta**, Ganesh Reddy Karri, TulikaChakrabarti, Sri Hari Nallamala, Chakrabarti Prasun, Bhuvan Unhelkar, MartinMargala”, **Multi Objective Prioritized workflow scheduling using Deep reinforcement based Learning in Cloud Computing**” IEEE Access - Manuscript ID Access- 2023-30660, Paper Accepted, Digital Object Identifier 10.1109/ACCESS.2024.3350741.Impact Factor-3.8.

SCI PAPER SUBMISSION (10)

- 1) Pankaj Chittora, Tulika Chakrabarti, Amit Gupta, Papiya Debnath, Prasun Chakrabarti, S Phani Praveen, Martin Margala, Ahmed A. Elngar,” **Improving the Performance of Diagnosing Chronic obstructive Lung Disease Using Outlier Detection with Decision Tree Algorithm**”, Neural Processing Letters on 27 December 2022,

- 2) Pankaj Chittora, Tulika Chakrabarti, Papiya Debnath, Amit Gupta, Prasun Chakrabarti, S Phani Praveen, Martin Margala, Ahmed A. Elngar” **Experimental analysis of earthquake prediction using machine learning classifiers, curve fitting, and neural modeling**” Journal of Seismology on 11 October 2022, Submission ID 0aadf412-be8d-4d8f-8cf8-65bb350ecb53 (Springer Journal)
- 3) Pankaj Chittora, Tulika Chakrabarti, Papiya Debnath, Amit Gupta, Prasun Chakrabarti, S Phani Praveen, Martin Margala, Ahmed A. Elngar “**Reliability Evaluation of Radial Distribution Network for Educational purpose using Greedy Search Approach- Distribution Network Data and Results**”. Electrical Engineering on 11 October 2022, Submission ID 9f98c57e-8b2b-43ed-a0e5-96ad8c72c133.
- 4) Abrar Ahmed Chhipa , Prasun Chakrabarti, Amit Gupta, Mohan Khedkar,Michał Jasinski, Vishnu Suresh, Alessandro Burgio, Zbigniew Leonowicz, Elzbieta Jasinska, Rajkumar Soni”, **Performance Analysis for Molecular Communication under Feedback Channel using Multipath and Single path Technique**” Journal Electrical Engineering on 14 October 2022, Submission ID c1f10b76-b7fd-48ed-b013-6d29958d6cd7.
- 5) Abrar Ahmed Chhipa , Prasun Chakrabarti, **Amit Gupta**, Mohan Khedkar,Michał Jasinski, Vishnu Suresh, Alessandro Burgio, Zbigniew Leonowicz, Elzbieta Jasinska, Rajkumar Soni,” **Comparison of Levenberg and Bayesian Based ANN MPPT Controller for Grid-Connected PV System**” IEEE Access - Manuscript ID Access-2022-17935.July 2022.
- 6) Mahammad Sabir,Shashi K.Dargar,**Amit Gupta**,Santosh Kumar Bharti,Surabhi Mehta” **BER Evaluation of Hierarchical QAM Uncoded Space-Time Labelling Diversity in Nakagami- m Distribution**” IEEE Access - Manuscript ID Access-2022-17378.July 2022.
- 7) Ravi, Vinayakumar, K, Suvarna Vani, Chakrabarti, Tulika, Hung, Bui Thanh, S, Siva Shankar, Chakarabarti, Prasun, Elngar, Ahmed, Gupta, Amit, “**Detection and Classification of Invasive Ductal Carcinoma using Multi-Stage Optimized Deep learning Mode**” Computational Intelligence Editorial, submission id-COIN-OA-03-23-6607,weliy Publication 25.03.2023.
- 8) Amit Gupta, Anand Kumar G, Shashi Kant Dargar, Abha Dargar, **Improved Extreme Learning Machine Based Hunger Games Search For Automatic IP Configuration and Duplicate Node Detection**”, Advances in Electrical and Computer Engineering, Paper ID: 8733,Paper Submitted.
- 9) Amit Gupta,Harikrishna Kamatham, G.Anand Kumar, Dr. B. Jagadeesh,” **A Performant Algorithm to**

- 10) Nagendra Singh, Vadim Bolshev , Tulika Chakrabarti, Amit Gupta,Gennady Samarin, Leonid Andreev, Alexander Kudryavtsev, Prasun Chakrabarti, S Phani Praveen,” Efficient Robust Controller Based on Separately Excited DC Motor” Journal name Energies, Manuscript ID: energies-1994888, Paper Accepted, Waiting for Publication.

WOS PAPER PUBLICATION (1)

- 1) R.Sambasiva Nayak,S.k.Bajidvali,Amit Gupta,V. Venkatarao”**High isolation Eight Elements MIMO Antenna Array Tightly Arranged Based on Embedded Meta-Material Cells** “Indian Journal of Science and Technology,Page-1168-1176,14(5),2021.

SCOPUS PAPERS PUBLICATION AND SUBMISSION (42)

- 1) **Amit Gupta**, Movva Pavani,,Shashi Kant Dargar, Abha Dargar,, Arun Singh Chouhan,”**Improved Extreme Learning Machine Based Hunger Games Search for Automatic IP Configuration and Duplicate Node Detection machine learning**”, Journal of Communication, Scopus id ISSN: 1796-2021 (Online); 2374-4367 (Print), JCM 2024 Vol.19(3): 152-160 Doi: 10.12720/jcm.19.3.152-160.
- 2) **Amit Gupta**, Shashi Kant Dargar, Abha Dargar, B. Raghavaiah,” **Smart Highways Road Accidents prevent Using IoT and Machine Learning based Framework**”, Neuro-Quantology , eISSN 1303-5150, September 2022 , Volume 20 ,Issue 11 , Page 2035-2042, DOI: 10.14704/NQ.2022.20.11.NQ66198.
- 3) **Dr Amit Gupta**, B. Raghavaiah, A. V. Nageswararao, Raju Kolluri” **Sensitivity Comparison of ThickFilm Gas Sensor using Machine Learning Technique**” Neuro-Quant ology, eISSN 1303-5150,June 2022 , Volume 20 Issue 6 , Page 7803-7812 , doi: 10.14704/nq.2022.20.6.NQ22777.
- 4) **Dr. Amit Gupta** , Dr. K. Raju , Dr. K. Raghavaiah , Dr. K. Soujanya , Dr. R. Sambasiva Nayak”, **Design of IoT Based Security System for Industry 5.0: Applications and Challenges**” YMER Journal, ISSN : 0044-0477, ISSN : 0044-0477,Page 1633-1641. (Scopus Index Journal).
- 5) **Dr.Amit Gupta**, Dr.S.kannan , G.F.Harish Reddy” **Design CuO-doped SnO₂Thick film Gas Sensorfor H₂S Using ANN Technique**”, Test Engineering & Management , Volume 83, ISSN: 0193-

- 6) **Gupta Amit**, Srivastava J. K. and Bhaskar Anand, “**Sensing behavior of CuO-doped SnO₂ based thick film gas sensor for H₂S detection**”, International Journal of Scientific & Technology Research,3(5), 266-272(2014). ISSN 2277-8616 (Scopus Index Journal).
- 7) Amit Gupta , D. Rajani , R Jawwharlal , Arun Singh Chouhan,” **Big Secure Data Storage a Hybrid Encryption Mechanism For Hadoop Environment**” European Chemical Bulletin, Eur. Chem. Bull. 2023,12(8), 682-695.
- 8) Raman Kumar, M J. Brahmaiah Naik, Suneel Kumar Asileti, K. Soujanya **Amit Gupta**,” **Deep Learning Techniques for Breast Cancer Detection**,” European Chemical Bulletin, Eur. Chem. Bull. 2023, 2023,12(10), 4755-4762.
- 9) **Perla Anitha, K. Uma Rani, N. Selvamuthukumar,Suneetha Bobbillapati, K. Dhivya Amit Gupta**,” **Sentiment Analysis of Social Media Reviews Using Machine Learning and Word Embedding Techniques**”, European Chemical Bulletin, Eur. Chem. Bull. 2023, 2023,12(10), 11771-11778.
- 10) **Dr. Amit Gupta**, Hemanth Tulasi and E.S.kishor “**Fabrication of PIN Diode switchable antenna ON and OFF state with different frequencies**”, Publication IEEE digital Xplore 9 June 2020 Pg- 1234- ISBN 1239, 978-1-7281-4686-7.
- 11) **Amit Gupta, R.Raju**” **Air Quality Monitoring and alert system for industrial Zone Proximity Residential Area**”, International Journal of Computer Networks & Communications (IJCNC), ISSN : 0975 – 2293 e-ISSN : 0974 – 9322. Paper Submitted, Waiting for Acceptance.
- 12) **Dr. Abdul Majid, Dr. Vinay Kumar Nassa, Veera Swamy Pittala, Devi Prasad Mishra, Dr R Chawngsangpuli, Amit Gupta**, **Air Quality Prediction based on different technique in Machine Learning City of New Delhi**”, International Journal of Computer Networks & Communications (IJCNC), ISSN : 0975 – 2293 e-ISSN : 0974 – 9322. Paper Submitted, Waiting for Acceptance.
- 13) **Dr. Amit Gupta**, Abhishek Kumar, M.Mamatha and Shravani Kalkonda, “**Design and Simulation of Microstrip Patch Antenna for Next Generation Communication Applications**”. DOI: 10.1109/ICSSIT46314.2019.8987937 pp 1180-1183. Nov.2019 ISBN:978-1- 7281-2120-8.<https://ieeexplore.ieee.org/document/8987937>.
- 14) **Dr. Amit Gupta**, Dr S. Kannan, and G Harish Reddy, “**Pd dopant for SnO₂ thick film gas sensor for detection of LPG using ANN Technology**”, Elsevier Digital Library, www, ssrn.com/link/I-I-I- Science- Enggering-Technology, Engineering & Technology,13-14 Dec.2019. (Scopus Index Conference).
- 15) **Amit Gupta**, Shashi Kant Dargar, A.V.Nageswara Rao, B. Raghavaiah “**Cu-doped SnO₂ Based Thick Film Gas Sensor for Toxic Liquid Detection using ANN**”, Springer Nature Singapore Pte Ltd. 2023 V. Bhateja et al.(eds.), *Intelligent System Design*, Lecture Notes in Networks and Systems 494, [19- 4863-](#)

- 16) **Dr.Amit Gupta**, Dr Shashi Kant Dargar, Mohammad Sabir” **Performance analysis of 2% Fe₂O₃ Doped Thick-film Gas Sensor in Toxic Liquid Detection Using Machine Learning Techniques**”. Electronic ISBN: 978-1-6654-0118-0, ISBN: 978-1-6654-0119-7, (IEEE Xplore digital library Scopus Index Conference).
- 17) G.V.V.S.L. Rupesh, Mopidevi Sai Advytha, Nammi Bhanu Prakash, Varsha Sahu, Amit Gupta, Shashi Kant Dargar. **"A Smart-Dustbin and Integration of Waste Management System using IoT"** DOI: 10.1109/ICIRCA54612.2022.9985021, Electronic ISBN:978-1-6654-9707-7, ISBN:978-1-6654-9708-4,,(IEEE Xplore digital library Scopus Index International Conference).
- 18) **Dr.Amit Gupta**, Dr Shashi Kant Dargar, Dr. B. Raghavaiah and Dr. A. V.Nageswara Rao” **Comparison Between Rectangular Microstrip Patch Antenna With And Without Defected Ground StructureAt 1.85 GHz**”, DOI: 10.1109/ICONAT53423.2022.9726044, Electronic ISBN:978- 1-6654-2577-3,ISBN:978-1-6654-2578-0 (IEEE Xplore digital library Scopus Index Conference).
- 19) **Dr .Amit Gupta**, Dr Shashi Kant Dargar , Dr. B. Raghavaiah and Dr. A. V.Nageswara Rao “**Recessed Ground Parasitic Rectangular Patch Antenna for Wireless Communication**”, IEEE Xplore Part Number: DOI: 10.1109/ICAIS53314.2022.9743042, Electronic ISBN:978-1-6654-0052-7, ISBN:978-1-6654-0053-4. <https://ieeexplore.ieee.org/document/9743042>.
- 20) **Dr. Amit Gupta**, Dr A.V.Nageswara Rao, Dr. B. Raghavaiah, Dr. Shashi Kant Dargar, “ **Clustering Method Response and Recovery Time Analysis with Different Temperature for different Toxic Gas**” DOI: 10.1109/ICIPTM54933.2022.9754047. Electronic ISBN:978-1-6654-6643-1, ISBN:978-1-6654-6644-8.<https://ieeexplore.ieee.org/document/9754047>.
- 21) Shashi Kant Dargar, **Amit Gupta**, Mohd. Sabir, Adhi Lakshmi,” **Micro Strip U Slot Loaded Patch Antenna with Variable Parameter for Wireless Network Application**”, DOI: 0.1109/ICAECT54875.2022.9807838 Electronic ISBN:978-1-6654- 1120-2, ISBN:978-1-6654-1121-9.<https://ieeexplore.ieee.org/document/9807838>.
- 22) **Dr.Amit Gupta** and Vuddagiri Ravi Kumar, “**Machine Learning Technology Using Thick Film Gas Sensor Toxic Liquid Detection for Industrial IOT Application**”, 16 September 2020 ISBN:978-1-7281- 6829-6. DOI: 10.1109/CONECCT50063.2020.9198535 , Print on Demand(PoD) ISBN:978-1- 7281-6829-6.<https://ieeexplore.ieee.org/document/9198535>.
- 23) **Amit Gupta**,Dr. Shashi Kant Dargar and Dr. Abha Dargar”, **Developing a Smart Wireless Sensor System using IOT network architecture for Precision Agriculture, International Conference on Intelligent Systems and Sustainable Computing, Malla Reddy University ,Hyderabad,India, ICISSC 2022: Intelligent Systems and Sustainable Computing pp 509–517.** https://link.springer.com/chapter/10.1007/978-981-99-4717-1_48.

- 24) **Gupta Amit**, Srivastava J.K. and Bhaskar Anand “**Pd-doped SnO₂ Based Thick Film Gas Sensor for Detection of Methanol**” International Journal of Innovative Research in Engineering & Science, 5(3), 49- 55(2014). (Scopus Index Journal).
- 25) Dinesh Kumar Burada, Parvathagari Venkata Charan , Gatram Jhansi Rani, Karnala Sai Nikhil,, Shashi Kant Dargar and **Dr. Amit Gupta**,” **Low-Cost Automatic Purchase Cart for Hassle-free Un- crowded Shopping in Indian Supermarkets**” DOI: 10.1109/CISCT55310.2022.10046503, Electronic ISBN:978- 1- 6654-7416-0.
- 26) **Amit Gupta**,Dr. Shashi Kant Dargar and Dr. Abha Dargar,” **House Prices Prediction Using Machine Learning Regression Mode**”, DOI: 10.1109/ICMNWC56175.2022.10031728, Electronic ISBN:978-1-6654-9111- 2, Print on Demand(PoD) ISBN:978-1-6654-9112-9.
- 27) **Dr. Amit Gupta**,Dr. Shashi Kant Dargar and Dr. Abha Dargar ,”**TiO₂, Thick film Gas sensor for Detection H₂S Gas Using ANN and Machine Learning Technique**”, DOI: 10.1109/ICCECE51049.2023.10085220, Electronic ISBN:978-1-6654-5251-9 Print on Demand(PoD) ISBN:978-1-6654-5252-6.
- 28) **Amit Gupta**, Shaik Meeravali Arun Singh Chouhan, K.Y.Srinivas”, **Activity Based Learning System Educational Institutions for Measuring Students Preference using Machine Learning Technique**” DOI: 10.1109/ICONSTEM56934.2023.10142321. Electronic ISBN:979-8-3503-4779-1,ISBN:979-8-3503-4780-7. <https://ieeexplore.ieee.org/document/10142321>.
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PATENTS INFORMATION

ONE AUSTRALIN GOVERNMENT PATENT

Patent Number:2020101080

**Topic: Customer Retention System for Retail Enterprises using Multi-phase Clustering
Data Mining Technique**

Date/Time Submitted: 23/06/2020

Abstract:

- ↳ Customer Retention System is numerous little retailers and unused participants to the retail segment are sharp to hone information mining and consumer-centric showcasing in their businesses however in fact need the essential information and skill to do so.
- ↳ Customers of the commerce have been fragmented into different important bunches utilizing the k – means clustering calculation and choice tree acceptance, and the most characteristics of the consumers in each section have been clearly distinguished and this examination is to assist the trade way better get it its clients and thus conduct customer-centric promoting more successfully.

Claims

- ↳ Demographic calculation strategy is connected on claim dataset to anticipate claim fetched and the affiliation among traits that impacts the claim fetched of the customer.
- ↳ The portion of Statistic calculation and RFM in given that real-time explanatory looming for common sense data-driven decision-making in retail endeavors utilizing multi-phase clustering information mining technique.

Term of Patent: Eight years from 23 June 2020

FIRST INDIAN GOVERNMENT PATENT

Topic: Method to compute Human through process and disorder

Application Date:202011055450

Date/Time Submitted: 21/12/2020

Granting Date:24/06/2022

Abstract:

Till date the quantification of human imagination has seldom been investigated by means of neuro-fuzzy and complex variable based approach. Hence, the research is heavily challenged with the prediction of inherent thought process of an individual.

This entails the requirement of a robust mechanism that preserves the potency to decipher the human imagination with extreme perfection. We claim that statistical analysis of human thought process regarding outcome of an event with unknown probability reflects Laplace's Rule of Succession while that of a frequent event can be realized in the light of point estimation.

The work has also pointed out certain novel facts regarding futuristic thought quantification in context to somatic diffusion effect of schizophrenic patients. Repetitive senseless thoughts of psychiatric patient lead to aggression. In this context, few new specifics pertaining to thought disorders viz. amnesia, hypermnesia and paramnesias, have been divulged.

The analysis manifests the contribution of identified memory disorders to explain the effective mental disorder at different time frames. We claim that memory contribution of hypermnesia of a psychiatric patient is fixed over subsequent time spans if at any instant of time observation, it is identical for any two consecutive time phases.

SECOND INDIAN GOVERNMENT PATENT

Topic: SWITCHABLE MICROSTRIP PIN DIODE PATCH ANTENNA WITH SLOT CHANGING METHOD FOR WIDE BAND FREQUENCY APPLICATIONS

Date/Time Submitted: 25/07/2022

Abstract:

- ↳ The proposed antenna design is obtained by using a C shaped slot cut on the reference patch that is linked by a thin metallic strip incorporating one PIN diodes to obtain the dual-frequency operation. By controlling the PIN diode bias voltage (-9 Volts for reverse bias & +9 Volts for forward bias), the antenna can be switched between two different frequencies.
- ↳ Two paths correspond to two states of the diode. In the first state, when diode D is in reverse bias ie OFF state the surface current will flow through the slot. This configuration allows the antenna to radiate at a resonant frequency higher than the reference frequency. In the second state when the diode is forward biased ie ON state the surface current in the antenna flows through an additional path. This current path drives the resonant frequency of the antenna to lower than the reference frequency.

**RESEARCH PROJECT SUBMISSION OF GOVERNMENT
FUNDING ORGANIZATION (5)**

↵ **Topic: IoT based Tomato and Potato Plant Leaf Disease Detection and Classification using Deep Learning Techniques**

↵ **Scheme: Core Research Grant**

↵ **Area: Electrical, Electronics & Computer Engineering Total Cost: Rs-7,50000**

↵ **File Number: CRG/2023/003937**

↵ **Topic: Earthquake Prediction Using Machine Learning Classifiers, Curve Fitting, And Neural Modeling**

↵ **Scheme: Core Research Grant**

↵ **Area: Electrical, Electronics & Computer Engineering Total Cost: Rs-5,00000**

↵ **File Number: CRG/2023/004937**

↵ **Topic: Develop a Carbon Nano Tube Based Gas Sensor for Toxic Gases/Liquids and Simulate Its Results Using Long Short-Term Memory Network**

Scheme: Core Research Grant

Area: Electrical, Electronics & Computer

Engineering Total Cost: Rs-8,15,000

File Number: CRG/2022/004716/ECE

↵ **Topic: Developing a Smart Wireless Sensor System using IOT network architecture for Precision Agriculture**

Scheme: Core Research Grant

Area: Electrical, Electronics & Computer

Engineering Sub Area: Engineering Science

Total Cost: Rs- 25,65,000

File Number: SUR/2022/000411

↵ **Project Title: Develop a Carbon Nano- Based bio -Sensor for Toxic Gases/Liquids and Simulate Its Results Using Long Short-Term Memory Network.**

Date of Submission: 15 September 2022

Name of Person: Dr. Kalaivani Ganesan, Scientist

Department of Biotechnology

Ministry of Science and

Technology, Government of India

DETAILS OF BOOKS PUBLISHED

Title of the Book	Name of the Publisher	Sole / Co-Author	Year of Publication	ISBN No.
THICK FILM GAS SENSOR FABRICATION METHOD USING ANN	01	sole	LAMBERT Academic Publishing	ISBN (978-620-3-02560-6).

ONGOING CONSULTANCY PROJECTS

Title	Stream Management/ Sciences/Arts/ Humanities etc.	Name of Awarding/ Funding Agency	Amount mobilized / received (Rs.)
1) IOT BASED WHEEL CHAIR CONTROL SYSTEM	ENGINEERING	1) Genomix Molecular Diagnostics Pvt Ltd. Kukatpally, Hyd-72	95000
2) Multiple target AR-Based Home Automation		Narasaraopeta Engineering College	20000
3) Arduino Based Toxic Gas Detection System		Narasaraopeta Engineering College	10000

AWARD (3)

- ↪ One day National Conference on **3rd National Conference on Advances in Engineering, Technology & Science** (2019), “Sphoorthy Engineering College”, Hyderabad on 4 April 2019.
- ↪ I won **First, Second and Third Prize** in this conference for paper presentation.

NATIONAL CONFERENCE (1)

- ↪ One day National Conference on **3rd National Conference on Advances in Engineering, Technology & Science** (2019)”, Sphoorthy Engineering College, Hyderabad on 4 April 2019.

INVOLVEMENT COLLEGE CERTIFICATION:

- ↪ Worked for the **NBA Certification** of the Department of ECE in different affiliated Colleges of Engineering. (Criteria 1.2.3 and 6 In- Charge)
- ↪ Worked for the **NAAC Certification** of the Department of ECE in different affiliated university.

INTEREST CARRIES OUT RESEARCH:

- ↪ **Thick film Gas Sensor**
- ↪ **Micro strip Patch Antenna**
- ↪ **Machine learning and AI**

RESEARCH PROJECT (1)

- ↪ Research Project “**IOT based wheel chair control System**”, Company name Genomix Molecular Diagnostics Pvt. Ltd. Kukatpally, Hyd-72. Project Cost -95000 Rs. Project Duration -10-12 Month.

SEMINARS ORGANIZED (1)

- ↪ Worked as member in organization of Seminar in “**Wireless Communication and Recent Technologies**” (Hindustan College of Technology & Science (HCTS), Agra (U.P.) on 9th September to 10th September 2006.

DOCTORAL-RESEARCH WORK

Title: Design, Fabrication & Characterization of SnO₂–Based Thick film Gas Sensor for Detection of Gases or Organic Vapors & Simulation Using ANN

Supervisor: Dr. Jitendra Kaushal Srivastava

- ↳ Tin oxide pastes with good adhesion and electrical properties have been developed.
- ↳ The firing temperature of the developed paste has been found to be 650°C which is significant in the lab Environment as even the paste developed by ESL (Europe) has a firing temperature 550°C.
- ↳ Effect of Pd doping on the sensitivity of tin oxide sensor towards methanol has been investigated and 1% Pd-doped thick film a sensor found to possess highest sensitivity (95.05%) for Methanol at 300°C.
- ↳ Effect of CuO doping and its concentration on the sensitivity of tin oxide thick film gas sensor for the detection of H₂S has been investigated. CuO doping of 1%, 2%, and 5% have been used along with the un-doped sensor. Tin oxide-based thick film sensor for gas H₂S detection.
- ↳ Compare the sensitivity of 1% Pd doped SnO₂ based thick film gas sensor for detection of Methanol, Propanol & Acetone at different temperatures.
- ↳ ANN tool has been successfully used for sensitivity analysis of fabricated sensor and found to be in good accordance of experimental results.
- ↳ Development of thick film gas sensor Characterization setup in SPSU. AICTE The doctoral dissertation is successfully listed and available in the reservoir of Indian thesis at shodhganga@ inflibnet (<http://hdl.handle.net/10603/221701>).

ANNEXURE-II

TEACHING ASSIGNMENTS

1 Dec. 2020 –31 Nov. 2022

Narasaraopeta Engineering College (Narasaraopet) A.P.

Research Dean in ECE & Professor

Key Deliverables

- ↪ **As Program Coordinator for Criteria-2: Teaching, Learning, and Evaluation, National Assessment and Accreditation Council (NAAC) completed NAAC PEER TERM visit in college & institute got A+ Grade for the next five years in Narasaraopeta Engineering College (Autonomous),Narasaraopet.**
- ↪ **As Program Coordinator for National Board of Accreditation (NBA), the department got Four-year approval by the NBA team in Narasaraopeta Engineering College (Autonomous), Narasaraopet.**
- ↪ **Working as department DEAN Research and coordinated the research activity in department.**
- ↪ **Submitted the different research proposal and guide the faculty members for research proposal submission.**

March'18 –July 2020

Malla Reddy Institute of Science & Technology (MRITS) Maisammaguda

HOD of ECE & Professor

Key Deliverables

- ↪ **Performed a variety of administrative duties and implementing operational plans for ensuring to get certifications of NAAC & NBA.**
- ↪ **Coordinator of Incubator Centre in ECE department**
- ↪ **Created and submitted FDP & MODROB proposal in AICTE to modification of lab.**

August '16 – March 2018

Institute of Technology & Management (ITM), Gwalior (Madhya Pradesh)

HOD & Associate Professor

Key Deliverables

- ↪ **Coordinator of Chief Project- Based Learning (PBL) in ITM GOI.**

- ↪ Coordinator of Mentorship Program in Institute of Technology & Management (ITM).
- ↪ Member of Carrier Development Cell Activity(CDCA), which runs three activities per week (GD, aptitude test, technical test (Gate Examination Pattern).
- ↪ Developed new lab in Advance Technology& Hardwire Design & Implantation lab.
- ↪ Program Coordinator of National Board of Accreditation (NBA) team

Dec. 2008 – July2016

Sir Padampat Singhania University (Under the legacy of J. K. Cement Ltd.), Udaipur

HOD (Associate Professor) (Jan. 2009 –Dec.2010) & Controller of Examination (Jan. 2011-July 2015)

Key Deliverables

Worked as Controller of Examination from December 2010 to July 2015.

- ↪ Conducted University Exam for **B. Tech. MBA, BBA, B.Com., BBM + MBA & Ph. D** stream.
- ↪ Take an initiative & implement **Credit -Based Examination System** in University.
- ↪ Performed a variety of administrative duties and implementing operational plans for ensuring the smooth running of the institute; entrusted for designing the pedagogy and planning the academic calendar
- ↪ Spearheaded **curriculum planning, professional development and the implementation** of educational programs
- ↪ Reviewed **the pre-set educational goals, objectives, classroom instructional programs, establishing academic** and other performance objectives
- ↪ Set educational standards & goals, developing educational quality management systems; establishing policies and procedures to carry them out, also preparing schools for quality audit/accreditation.
- ↪ **Member of Academic Council** (Which developed various new courses and modified the exiting courses in university) in order to take courses industries oriented from July 2009 to June 2015.
- ↪ **Head of the Department in the Department of Electronics & Communication Engineering** from January 2009 to December 2010.
- ↪ Committee Member of the university (Business Incubator with the Ministry of Micro, Small & Medium Scale Industries), Govt. of India, from January 2014 to October 2015.
- ↪ **Member of the Interview Board Expert Panel (IBEP)** at the time of recruitment of new faculty member in Electronics & Communication Engineering Department.
- ↪ Supervised as Minor & Major Project Coordinator for final year project.
- ↪ Responsible for development of Analog Communication & Digital Communication Systems Laboratory.
- ↪ Course Coordinator of Mobile Communication Systems.
- ↪ Laboratory In-Charge of Electronic Devices and Circuits Lab and Mobile Communication Systems Laboratory and prepared Lab Manual for Basic Electrical and Electronics Laboratory.
- ↪ Involved with activities in PCB Design Lab.

- ↪ Executed the responsibility of Faculty in – charge of Seminar regarding Summer Training for ECE students.

Nov. 2006 – Dec. 2008

Amity School of Engineering & Technology, Amity University, Noida, (Utter Pradesh)

Senior Lecturer & Member of Board of Studies (BOS)

Key Deliverables

- ↪ **As Member of Board of Studies (BOS), developed various new courses and modified the exiting courses at Amity University in order to make courses industries oriented from June 2007 to Dec. 2008.**
- ↪ **Member in National Assessment & Accreditation Council (NAAC) Committee in Amity School of Engineering & Technology, Noida.**
- ↪ **Program Leader** worked as AHOD for 3^d Year Students.
- ↪ Departmental Time Table Coordinator.
- ↪ Lab Coordinator in Microwave Engineering, Antenna & Wave propagation and Analog & Digital Communication.

July 2006 – Nov. 2006

Anand Engineering College, Sharda Group of Institution, Agra, (Utter Pradesh)

Senior Lecturer

Key Deliverables

- ↪ **Member of National Board of Accreditation (NBA) team.**
- ↪ **Program Coordinator of 3rd year engineering students.**
- ↪ Time Table in charge.
- ↪ In-charge of minor projects.
- ↪ Industrial project in-Charge of third year students.
- ↪ Pedagogical Disciplinary Committee for the proper running of classes and checking of dress code.

January 2006 - July 2006

Maharana Pratap College of Technology, Gwalior (Madhya Pradesh)

Senior Lecturer

Key Deliverables

- ↪ Coordinator in Analog Communication Lab.

October 2001 – January 2006

Shri Ram College of Engineering & Management, Gwalior (Madhya Pradesh)

Lecturer

Key Deliverables

- ↪ Lecturer in the Department of Electronics & Communication Engineering.
- ↪ Lab in-Charge of Analog, Digital Electronics, and Antenna & Wave propagation.
- ↪ Member of Examination Committee for University Examination.
- ↪ Member of Discipline & Anti-ragging Committee.

April 2000 – October 2001

Madanapally Institute of Technology & Science, Madanapally (Andhra Pradesh)

Lecturer

Key Deliverables

- ↪ Taking the Lecturer of Analog Electronics, Analog Communication and Antenna & Wave Propagation.

July 1998 –December 1999

Maharana Pratap College of Technology, Gwalior (Madhya Pradesh)

Lecturer

Key Deliverables

- ↪ Lecturer in the Department of Electronics & Communication Engineering. Handling overall activities involved in the development of Switching Communication & Circuit Theory Laboratory.

TEACHING ASSIGNMENTS

I view teaching as a significant and rewarding part of my career as a researcher. I have a broad experience in teaching as the instructor for many courses. Challenges in instructing undergraduate and postgraduate students in my view are like finding the ways to bring the students down into the nuts and bolts of the course and develop a system-level design approach without squandering their initial enthusiasm from the higher-level discussion. I try to be sensitive to the fact that students come to a course with different backgrounds and skill levels. The challenge is to coach weaker students while not losing the attention of quicker students. I believe teachers should be a source of encouragement in students' lives, and especially so to underrepresented students. Finding a way to do this without making students feel singled out is a challenge. Showing sensitivity and taking opportunities to mentor students are unobtrusive ways to give under-represented students, extra support.

TEACHING EXPERIENCE

I have **23+ years of** teaching experience. I have taught Analog Communication, Analog Electronics, Semiconductor Devices, Digital Communication, Antenna & Wave Propagation, Computer Networks, Electronics measurement and instrumentation at bachelor's level and thick Film Technology and Hybrid Integrated Circuit courses at Master's level. I have also conducted practicals for Communication labs, skills labs, Basic electrical and electronics Lab, Antenna Lab and Electronic Measurement and Instrumentation Lab.

ACADEMIC CURRICULUM DEVELOPMENT

It was my pleasure in getting actively engaged in course curriculum development of Bachelor of Technology in Electronics & Communication Engineering of School of Engineering, Sir Padampat Singhanian University Amity University, Noida. I had set up and developed laboratories for the department. I believed that imparting a sound practical work aligned to the theoretical studies, prepares the students for the broader field of Electronics & Communication Engineering and help them to take up challenging jobs in the area of Application, Research & Development. This consideration had been taken into account by me in the development of the course.

THESIS/PROJECT SUPERVISION (3)

- ↪ Co-supervised during (2013-2014) thesis titled “**A Decisive Filtering Selection Approach for Improved Performance Active Noise Cancellation System** Pacific University, Udaipur, India.
- ↪ Supervised during (2012-2013) thesis titled “**Design of high-Frequency 6th Order CMOS Band-Pass Filter Bank**, School of Engineering, Sir Padampat Singhania University, Udaipur, India.
- ↪ Supervised during (2018-2020) thesis titled” **SMART ELCTRONICS NOSE**” Malla Reddy Institute Of Technology and Science, Maisammaguda, Dhulapally, Secundrabad.

BACHELOR’S LATEST PROJECT SUPERVISED

(40)(Last Two Year)

- ↪ Acetone Gas Detection Using Machine Learning Techniques.
- ↪ Design Of 32-Bit CarrySelect Adder.
- ↪ Comparative Performance Analysis between GDI and CMOS Techniques” The International journal of analytical and experimental modal analysis.
- ↪ Effective Design and Implementation of AMBA AHB Bus Protocol using VHDL.
- ↪ Propanol Sensitivity Verification using Machine learning Technique
- ↪ Methanol Detection using Machine Learning Technique
- ↪ Prediction of Renal failure using machine learning Technique
- ↪ House price predication using different regression models with outliers” removal
- ↪ Machine Learning technology used for LPG detection response and recovery time analysis.
- ↪ Simulation of Parasitic Rectangular Patch Antenna Recessed Ground for Wideband Communication
- ↪ Machine Learning Technique Used for Metal Oxide Gas Sensor Different Toxic Gas Detection Response and Recovery Time Analysis with Different Temperature.
- ↪ Design Cu-doped SnO₂ Thick Film Gas Sensor for Methanol Using ANN Technique.
- ↪ Micro-strip U-Slot Patch Antenna Using Wireless Applications
- ↪ Comparison between rectangular micro-strip patch antenna with and without defected ground structure at 1.85 GHz

- ↪ IOT Technology used for Solar Tracking System for Effective Electricity Generation
- ↪ Measurement of dielectric constant & moisture content of soils at microwave X band,
- ↪ Ultrasonic obstacle detector and security system,
- ↪ Automatic switching control of motor with water level indicator,
- ↪ Prepaid electronic energy Meter with telemetry interface,
- ↪ Solar-powered LED automatic light control system,
- ↪ Automatic irrigation system with moisture sensing,
- ↪ Implementing an efficient high-speed Wallace tree multiplier using different adders,
- ↪ Wireless fingerprint-based student attendance system,
- ↪ Ultrasonic rangefinder,
- ↪ Solar-powered Mobile charger with external electrical outlet,
- ↪ Microcontroller based voice-controlled Automation System.

AICTE MODERNISATION & REMOVAL OF OBSOLESCENCE

- ↪ Submitted the AICTE Modernization Proposal in development of advanced communication lab basically useful for second year and third year students in following objective.
- ↪ IOT is a latest technology in the field of electronics and easily integrated 5G communication systems so using this technology control the social life very easily.
- ↪ Robotics is a heart of electronics it is a basically a combination of sensor actuators and many hardware components for moving the different action of robots. Wireless sensors are used to reduce the power consumption and it is helpful to transfer the data with a high speed and moreover to make a security.

ANNEXURE-III

LIST OF WORKSHOPS/FDP /STTP ATTENDED (70)

- ↪ One Week Faculty Development Program, “Innovation Methods in VLSI Design using AI and ML” MLR Institute of Technology, Department of ECE, Hyderabad from 24/08/2023 to 30/08/2023.
- ↪ One Week Faculty Development Program, “Workshop on Teaching Problem solving Using C” organized by Education Society Chapter IEEE Hyderabad Section from 03/08/2023 to 07/08/2023.
- ↪ One Week Faculty Development Program “Outcome Based Education for Effective Learning and Teaching” AMET University, Kanathur - 603112, India, from 19/07/2023 to 27/07/2023.
- ↪ One Week Faculty Development Program, ““Artificial Intelligence, Machine Learning and it’s Application” Bharat Institute of Engineering & Technology, Hyderabad, from 10/07/2023 to 14/07/2023.
- ↪ One Week Faculty Development Program,” **Deep Learning & Its Application**” Conducted by AI & ML department at Malla Reddy University, Telangana from 06/02/2023 to 11/02/2023.
- ↪ One Week Faculty Development Program,” **Nanotechnology: Developments and Challenges**” Conducted by Applied Science Department at Narasaraopeta Engineering College, Andhra Pradesh from 26/09/2022 to 30/09/2022 (One Week).
- ↪ One Week Faculty Development Program,”**VLSI Design And Circuit For AI Application**” Conducted by Electronics and Communication Department at Narasaraopeta Engineering College, Andhra Pradesh from 21/09/2022 to 26/09/2022 (One Week).
- ↪ One Week Faculty Development Program,” **Energy Harvesting & Storage Materials & Devices**” Conducted by Applied Science Department at Narasaraopeta Engineering College, Andhra Pradesh from 12/09/2022 to 16/09/2022 (One Week).
- ↪ One Week Faculty Development Program “**Advanced VLSI System Design & Challenge**” Organized By the Department Of Electronics and Communication Engineering, Narasaraopeta Engineering College and ENTUPLE Technologies Pvt. Ltd, during 22 August -26 August 2022.
- ↪ One Week Faculty Development Program” **Research Opportunities In Emergering Areas Of Electronics And Communication Engineering**, “Organized By the Department Of Electronics and Communication Engineering KPR Institute Of Engineering and Technology, Arasur , Coimbatore, India ,during 18 July-22 July 2022.

- ↪ International Online Webinar on "**Artificial Intelligence for Engineering Applications**" National Institute of Technical Teachers Training and Research Chennai, 5.07. 2022.
- ↪ One Week Faculty Development Program" **Soft Computing Technique and Hands on the MATLAB**" Organized by Department of Electronics and Communication Engineering, Aditya Institute Technology and Management from 13-18 May 2022.
- ↪ One Week Faculty Development Program "**Applications of Cognitive Radio Networks**" Organized by the Department of Electronics and Communication Engineering, in association with IETE from 01st to 06th April 2022.
- ↪ One Week Online International FDP on **Next Generation Computing: Key Trends, Challenges and Opportunities** organized by the Department of Computer Science & Applications (MCA), SRM Institute of Science & Technology, Ramapuram Campus from 18-04-2022 to 23-04-2022.
- ↪ One Week Faculty Development Program "**Advanced Signal Processing, Communications using AI and ML Techniques**" jointly organized by Department of ECE of GMR Institute of Technology and Sri Sairam Institute of Technology from 21st to 25th March, 2022.
- ↪ One Week online Faculty Development Programme on, "**Communication Systems using Machine Learning Algorithms (CSMLA)**", organized by the Department of Electronics & Communication Engineering, Annamacharya Institute of Technology and Sciences, Hyderabad , during 14 - 19 March , 2022.
- ↪ Five-Day National Level Workshop on "**Revolutionizing Industrial Digital Transformation Through Connected Technologies** on Siddharth Institute Of Engineering & Technology, during 28th February - 04th March, 2022.
- ↪ Two Days Faculty Development Program" **Renewable Energy: Materials & Devices**" National Institute of Technical Teachers Training and Research Chandigarh, 3 Feb -04 Feb. 2022.
- ↪ One Week Faculty Development Program "**Wearable Device**" Narayana Engineering College, Gudur, From 15-19 February 2022.
- ↪ One Week Online Faculty Development Programme on, "**Machine Learning Algorithms for Dead Time Systems (MLADTS)**", organized by the Department of Electronics and Communication Engineering, Geethanjali College of Engineering and Technology, Hyderabad, in association with Indian

Society for Technical Education, during 24 - 29 January,2022.

- ↪ One Week Faculty Development Program,” **Industrial IoT and Robotics**” National Institute of Technical Teachers Training and Research Chandigarh,22 Nov.2021-27 Nov.2021.
- ↪ One Week Faculty Development Program,” **IoT Application Development Using Python Phase - IV (INDUSTRIAL IoT)**, Narasaraopeta Engineering College,Narasaraopet, from 7th - 12th December 2020.
- ↪ One Week Faculty Development Program,” **Advances in Remote Sensing and its Applications Phase-II**” Narasaraopeta Engineering College, Narasaraopet, from14th - 19th December,2020.
- ↪ One Week Faculty Development Program” **IoT Application Development Using Python (SMART HEALTH CARE)**”, Narasaraopeta Engineering College, Narasaraopet from 23rd - 28th November,2020.
- ↪ One Week Faculty Development Program”, **Advances in Remote Sensing and its Applications**” Narasaraopeta Engineering College, Narasaraopet from26th - 31st October, 2020.
- ↪ One Week Faculty Development Program,” **IoT Application Development Using Python (SMART CITY)**”, Narasaraopeta Engineering College, Narasaraopet from 14th - 19th September 2020.
- ↪ One Week Faculty Development Program.”, **IoT Application Development Using Python**” (SMART AGRICULTURE”, Narasaraopeta Engineering College, Narasaraopet from 27th July - 1st August, 2020.
- ↪ Online International Faculty Development Programme on “**Environmental Sustainability & Green Energy**” organized by Electrical Engineering Department, GW CET, Nagpur from 29th June - 3rd July 2020.
- ↪ One Week Faculty Development Program “**Advancement in Science and its Applications in Engineering**” Organized by Department of Science & Humanities from 22 -26 June 2020.
- ↪ One Week National Level Faculty Development Program and Online Training on “**PHP and MySQL**” hosted by V.K.R, V.N.B & A.G.K COLLEGE OF ENGINEERING, Gudivada In Association with Spoken Tutorial Project, IIT-Bombay, funded by National Mission on Education through ICT, MHRD, Govt. of India from 18 June -24 June 2020.
- ↪ One Week Online FDP “**Advances and Research Opportunities in E&TC Engineering** ” Organized by Department of Electronics & Telecommunication Engineering, SVERI’s College of Engineering Pandharpur, from 10-14 June 2020.

- ↪ Five-day Online FDP “**Recent Trends in Electrical Engineering**” Organized by Department of EEE, Vishnu Institute of Technology, Bhimavaram during 8- 12 June 2020.
- ↪ One Week Online FDP “**Design of Solar Pv System Using Pvsyst Software**” Organized by VaagDevi College of Engineering Department of EEE from 9-13 June 2020.
- ↪ One day National Webinar on “**DATA SCIENCE**” Organized by Rathinam Technical Campus, Coimbatore - 21, Tamilnadu on 10th June 2020.
- ↪ One-week Faculty Development Program “**Six Facets in Data Science**” Organized by the Department of Information Technology, St.Joseph’s College of Engineering from 01-06 June 2020.
- ↪ Three days online Faculty Development Program “**Cyber Security**” Organized by departments of Electronics and Communication Engineering, Association with ISTE, Anurag University, held on 3-5 June 2020.
- ↪ One-week online Faculty Development Program “**The Effective Techniques of Teaching and E-Commerce**” Organized by Saraswati Institute of Technology, held on 1-5 June 2020.
- ↪ One-day Faculty Development Program “**Recent Trends and advancements in Electric Vehicle**”, Technical Education Quality Improvement Programme (TEQIP-III) sponsored, Organized by Department of Electrical Engineering, Rajkiya Engineering College Banda, held on 21 May 2020.
- ↪ One-week Faculty Development Program “**Research Methodology Tool and Techniques**” Organized by Internal Quality Assurance Cell & Higher Learning and Research Centre, Priyadarshini College of Engineering, Nagpur from 29 May -02 June 2020.
- ↪ One-day Faculty Development Program “**Advances in Medical Image Processing**” Organized by Department of Electronics and Communication Engineering, Narsimha Reddy Engineering College, Hyderabad, held on 5 June 2020.
- ↪ One-week Faculty Development Program “**IPR & Patents Online Assessment Quiz**” Organized by Department of Mechanical Engineering, Malineni Perumallu Educational Society’s Group of Institutions, Guntur, Andhra Pradesh, India, from 29 May -03 June 2020.
- ↪ Three-Days Faculty Development Program “**IOT With Artificial Intelligence**” Organized by the Department of Electronics and Communication Engineering, SIR C R Reddy College of Engineering

,ELURU from 27th -29th May2020.

- ↪ **Research Techniques & Challenges** Organized by Shivajirao S. Jondhle College of Engineering & Technology and Shivajirao S. Jondhle Polytechnic, Asangaon. from 26th -28th May 2020.
- ↪ **Advances in Python (Django and Flask), Python for Data Science and Cyber Security** “Organized by the Department of Computer Science and Engineering, Chadalawada Ramanamma Engineering College, Tirupati in association with IIT, Bombay, from 21st - 27th May 2020.
- ↪ **Network Simulation and Protocol analysis Using NS2 NSG-2.1 and Wireshark** Organized by the Department of Electronics and Communication Engineering, Narsimha Reddy Engineering College, Hyderabad held on 23 -25 May 2020.
- ↪ **Design of Drones** Organized by the Department of Electronics and Communication Engineering, Sreenidhi Group of College, held on 26 -29 May 2020.
- ↪ **PYTHON 3.4.3** Organized by Department of Electronics & Telecommunication, Sir Visvesvaraya Institute of Technology, Nashik in association with Spoken Tutorial IIT Bombay from 25th - 30th May 2020.
- ↪ **Emerging Technologies in Electronic & Communication**” Organized by Dept. of ECE , S. V Engineering College in association with the Institution of Electronics and Telecommunication Engineers (IETE) Tirupati from 18-22 May 2020.
- ↪ **Evolution of Connected Industries** Organized by the Department of Mechanical Engineering, Narasaropeta Engineering College, Andhra Pradesh,India on 23rd May 2020.
- ↪ **Renewable Energy: Application & Entrepreneurship**” Organized by Department of Mechanical Engineering, S.S.B.T.’s, College of Engineering & Technology, Bambhori, Jalgaon, (M. S.) India, held 26th –30th May 2020.
- ↪ **Data Science and Cloud Computing** Organized by Computer Science and Engineering Chebrolu Engineering College, Guntur (A.P) From 18 -22 May 2020.
- ↪ One-week National level Faculty Development Program “**Innovation of Academics**” Organized by National Science & Technology Entrepreneur-ship Development Board with the association of Department of Science and Technology Government of India, New Delhi from 11 May -16 May 2020.
- ↪ One Day Workshop on “**Modelling and Design of low-cost Group IV Based Photo Detector**” “Organized by Vaagdevi Engineering College, Warngal held on 16 May2020.

- ↪ One Week Faculty Development Program” **Advanced NDT Techniques & Applications in Industry**” Organized by Indian Society for Non-Destructive Testing, Hyderabad Chapter in association with Department of Mechanical Engineering, held on 25 -29 May 2020.
- ↪ One Day Workshop on “**How to Become in Data Scientist**” Organized by Sri Ranganathar Institute of Engineering and Technology “held on 18 May 2020.
- ↪ One-week Faculty Development Program “**AL and Machine Learning**” Jointly organized by electronics and ICT academies at Stanley college of technology for women, Hyderabad 23 Jan. 2018-27 Dec. 2019.
- ↪ One-week Faculty Development Program “**AL and Machine Learning**” Jointly organized by NIT Warangal at Sphoophy College of Engineering, Hyderabad 02 Dec. 2018-08 Dec. 2019.
- ↪ Two-week Faculty Development Program “**Innovation & Technology in Entrepreneurship**” Under the Department of Science & Technology, MITS, Gwalior 6 Jan. 2018-19 Jan. 2018.
- ↪ One-week Faculty Development Program “**Faculty Training & Research Development**” Institute of Technology & Management (ITM), from 9 -15 January 2017.
- ↪ One-week National Workshop “**Introduction of Embedded System**” National Institute of Technology Teachers Training and Research, Chandigarh Under the department of Human Recourses Development, Government of India (Institute of Engineering & Technology, Alwar) from 8th - 12th February 2016.
- ↪ Two Week National Workshop ISTE STTP (IIT Bombay) on “**Pedagogy for effective use of ICT in Engineering Education**” (Sir Padampat Singhanian University, **(Under the legacy of J. K. Cement Ltd.)**, Udaipur) from 5th January to 10th January & 16th- 19th January 2015.
- ↪ Two days National Workshop on “**Technology CAD & HSPICE**” (Sir Padampat Singhanian University, **(Under the legacy of J. K. Cement Ltd.)**, Udaipur) from 19th - 20th February 2015.
- ↪ Two days National Workshop on “**DSP Processors & Embedded Systems**” (Sir Padampat Singhanian University, **(Under the legacy of J. K. Cement Ltd.)**, Udaipur) from 19th-20th March 2015.
- ↪ Ten days National Workshop on Faculty Developing Program in (Amity University, Noida) from 10th - 22th October 2008.

- ↪ “**Nano-Technology in Electronics**” (Amity University, Noida) from 5th February 2008. Three days National Workshop on “**Bio-Informatics Technologies**” (Anand Engineering College (AEC), Agra from 16th - 18th October 2006.
- ↪ Three days National Workshop on “**Semi-Conductor Technologies in VLSI**” (Babu Anand Mohan Science Collage (BAMS)), Agra from 12th - 14th October 2006.

E-QUIZ PARTICIPATION CERTIFICATE (34)

- ↪ “**I am E&TC Engineer**” organized by Department of E & TC Engineering, SNJB’s College of Engineering, Neminagar, Chandwad held on 16 May 2020.
- ↪ “**World Environment Day-2020**” Organized by Green Eco Organization and Youth Red Cross, Arasu Engineering College, Kumbakonam through online pedagogy on 19 May 2020.
- ↪ “**Awareness Program on Outcome Based Education**” Organized by Department of Aeronautical Engineering, MLR Institute of Technology, held on 20 May 2020.
- ↪ “**Introduction of R**” Conducted by Department of Computer Science, “St Joseph’s Degree College , Kurnool on 21 May 2020.
- ↪ “**Covid-19 Awareness**” Organized by Department of Electrical and Electronics Engineering, Sphoorthy Engineering College, held on 25 May 2020.
- ↪ “**Effect of Covid 2019** “automobile industry in india and around the world “Department of Mechanical Engineering, Shriram College of Engineering and Management, held on 25 May 2020.
- ↪ “**Research trends in mitigation of voltage sag and Swell using direct convertors**” Organized by CMS college of Engineering and Technology, Coimbatore, held on 26 May 2020.
- ↪ “**UNIX PROGRAMMING** “organised by the Department of Computer Science and Engineering, Vignan’s Institute of Engineering for Women held on 27 May 2020
- ↪ “**Science and Technology Education for the New Prosperous, Happy and Healthy India**” Organized by Audisankara Group of Institutions, Gudur, Nellore, held on 28 May 2020.
- ↪ “**Covid-19**” Organized by Government arts and Science College, held on 2nd June 2020.
- ↪ “**Basic Finite Elements Analysis**” Department of Mechanical Engineering, Shriram College of Engineering and Management, held on 2nd June 2020.
- ↪ “**Intellectual Property and its Protection**” Organized by Department of Electronics and Communication Engineering, RVS College of Engineering and Technology, held on 5 June 2020.
- ↪ “**Transducer and Signal Conditioners**” Organized by Department of Electrical and Electronics Engineering, A M K Technological Polytechnic college held on 6 June 2020.

- ↵ “**E-QUIZ ON BASICS OF ELECTRONICS-2020**” Organized by Department of Electronics and Communication Engineering, Indur Institute of Engineering & Technology, Siddipet, Telangana, held from 04-06 June 2020.
- ↵ “**Fundamental of MATLAB Programming and Simulation**” Organized by Department of EEE, Erode Sengunthar Engineering College, Held on 6 June 2020.
- ↵ “**General English**” Organized by Department of Basic Engineering, Raja Gopal Polytechnic College Gandhi Nagar, Gudiyatham, held on 6 June 2020.
- ↵ “**Covid -19 Awareness**” Organized by Indian Society for Technical Education, Raja Gopal Polytechnic College Gandhi Nagar, Gudiyatham, held on 6 June 2020.
- ↵ “**Role of Nanocomposite in the development of Industry 4.0**” Organized by Department of Mechanical Engineering, S R Institute of Management and Technology, held on 6 June 2020.
- ↵ “**How to Patent our Project Work**” Organized by Department of EEE, Erode Sengunthar Engineering College, held on 6th June 2020.
- ↵ “**JAVA Programming**” Department of Electronics and Communication Engineering, SRI Venkateswara Polytechnic College, held on 6th June 2020.
- ↵ “**Design and Development of High-Power Audio System for Home Theatre**” Organized by Department of EEE, Erode Sengunthar Engineering College, Held on 6th June 2020.
- ↵ “**Use of ICT in Good Governance**” Jointly Organized by Department of Electrical Engineering & Institution's Innovation Council, Rajkiya Engineering College Banda, held on June 7th, 2020
- ↵ “**JAVA Programming Quiz**” Organized by Department of Computer Science and Engineering, Sreyas Institute of Engineering and Technology, held on 8th June 2020.
- ↵ “**Introduction to FEM**” Organised by Department of Mechanical Engineering, Faculty of Engineering & Technology, AKS University Satna, held on 8th June 2020.
- ↵ “**World environment day one day online Faculty Development Program (FDP)**” Jointly Organized by the dept. of Geography & IQAC, Shivneri College Shirur Anantpal, held on 8th June 2020.
- ↵ “**Post Covid Awareness & Opportunities**”, conducted by Ujjain Engineering College Under the Scheme of MHRD govt of India "Ek Bharat Shresth Bharat" and Sponsored by TEQIP III, Ujjain Engineering College, held on 8th June 2020.
- ↵ “**Innovation In Technology During COVID Times**” Conducted By The Department Of Information Technology, St. Joseph's College of Engineering, held on 8th June 2020
- ↵ Three Days participation “**Webinar on Machine Learning**” Organised by Department of Computer Science, Parvathaneni Brahmayya Siddhartha College of Arts & Science, held from 07- 09 June 2020.

ANNEXURE -IV

PERSONAL VITAE

Date of Birth : 16th March, 1975

Pan Number : ALSPG8778N

Aadhar Card : 647337483379

Spouse Name : Dr. Sandhya Gupta (Ph. D in Organic Chemistry)

Permanent Address : Shri B. P. Gupta, 6, Alka Puri
New High Court, CityCentre, Gwalior, (Madhya Pradesh)
Pin Code– 474011

Address of Communication: Communication preferred through e-mail/mobile

Languages known : English, Hindi

REFERENCES

1 Dr. K. Ravindra

Dean , Malla Reddy University, Mobile No. 09348161221

2 Dr. R.K. Charturvedi

Director, Shri Ram College of Engineering & Management

Mobile No. -09425791024

Gwalior (Madhya Pradesh)

3. Dr. R.K. Gupta

Dean, Administration & HOD of CSE & IT

Madhav Institute of Technology and Science, Gwalior (M.P.)

Mobile No.-09406503201

4 Dr. P.C. Deka

President, Sir Padampat Singhanian University

Mobile No.09799396289

5. Dr. J. K. Srivastava

Sir Padampat Singhanian University

Department of Electronics & Communication Engineering

Mobile No. -08852906125

TEACHING STATEMENT

DR. AMIT GUPTA

In my opinion, teaching is a significant and rewarding part of the career of a researcher. In our research-driven careers, mostly we overlook that our future legacy is as much in our contributions to the progression of science as in the lives we influence as educationalists. Though occasionally regarded as related but dissimilar tasks, research and teaching are in my mind two faces of the same coin. I like to say that great in research makes exciting things to share; and that expertise in teaching so that things we share sounds stimulating and compelling. I value the most from my teaching experience, is that it has strengthened the conviction towards pursuing a career as an educator. I am passionate about teaching. I attempt to be sensitive to the fact that students come to a course with different backgrounds and skill levels. The challenge in teaching is to coach weaker students while not losing the attention of quicker student without squandering their initial enthusiasm to the higher-level discussions. I think we are given fantastic opportunities to work with people during a stage of their lives that they will always regard fondly.

I always strive to provide the perception behind the techniques and theories being presented and to draw the students' attention to the fundamental concepts underlying the material taught. Besides, when presenting basic mathematical concepts or abstractions, I seek to identify the potential applications of these concepts in the solution of real-world problems. This can help attract and support students' interest, and that in my view, is a crucial element of effective teaching. One of my goals as a teacher is to get students to think critically, instilling on them a taste for challenging what they are taught. As engineers and scientists, we spend most of our time challenging established or perceived facts, and this is arguably the way we mature and manage to solve problems. Furthermore, I favour an accessible and interactive teaching style that invites student participation. Guided class discussions that encourage the students to think of possible solutions to a given problem are a great tool.

I do not think this is a coincidence, but a manifestation of the fact that it takes years to become an excellent educator. I accept my limitations and strive to become a better teacher. I encourage students to express their comments about their progress, my teaching ability, and the way the course is structured by providing them the opportunity to evaluate these aspects formally. It is always a positive experience to address their concerns and make changes as needed. I put significant effort into creating an enjoyable classroom environment and usually develop friendly relationships with students, which helps get valuable feedback. I firmly believe in wedding research with the university's educational vision at both in graduate and the undergraduate levels. Given the

opportunity, I think that most students would embrace with passion the possibility to work in research projects and learn everlasting skills in the process. Even though undergraduates have to be inculcated the core concepts of the field in the short span of four years, I think they could greatly benefit from closer interaction with faculty research projects. Class and stand-alone student projects are the right vehicle for this interaction carrying some of the excitement of research and serving as a bridge to graduate school or industry careers. When working with undergraduate students in a designs project at the Sir Padampat Singhanian University, I was pleasantly surprised by their ability to understand and enjoyed mentoring graduate students in helping them to develop critical thinking to improve their research skills. It has been an enriching (and ongoing) experience which has led to good journal and conference publications.

In my view, the effective practices and teaching methods for efficient use in the different courses of electronic engineering can be used with computer-based technology solutions for integration with conventional methods. As each method results distinctly in the teaching-learning process at Higher Education; therefore, I believe that the innovative methods of teaching would not only organize the teacher's work and assignment but also significantly impact the student learning towards the engineering courses. It becomes crucial to develop and transfer the subject information along with the consistent assessment of acquired knowledge by the students. The Integration of Communication and Technology (ICT) based teaching methods help to define, create, and updating subject matter and easy dissemination of information for teachers. Incorporating the simulation approach in conjunction with physical experiments would significantly improve the students learning in the laboratory with appropriate pre-laboratory demos, innovative models, and manuals. The remedial classes and experience sharing of renowned subject experts can help in building the same foundation among the student group of the same class.

Date

DR AMIT GUPTA



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh (India)
(Established by Andhra Pradesh Act No. 30 of 2008)

Lr.No: JNTUK/DAA/Ratified Candidates List/CC: 47

Date: 07.04.2022

Dr. L. Sumalatha

M.Tech, Ph.D.,

REGISTRAR

To

The Principal
Narasaraopeta Engineering College
Kotappakonda Road
Yellamanda (V)
Narasaraopet.

Sub: JNTUK-DAA-Ratified Faculty List of Engineering and Pharmacy Departments-Reg.

The Hon'ble Vice-Chancellor, JNTUK, Kakinada is pleased to permit the **ratification** of the following Faculty of your institution as per the details mentioned below:

Details of Faculty Ratified during February/March 2022

Civil Engineering Department	Associate Professor	Assistant Professor	
	Dr.P.Naga Sowjanya	I Chandra Sekhar Reddy	Y K Yamuna
M N S Samba Siva Rao		N M Subhani	
K Jaya Vignesh		V Suresh	
K Anil Kumar (Geology)		M Ramesh Babu	
K Meganadh		S Murali	

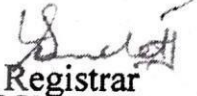
Electrical and Electronics Engineering	Assistant Professor		
	Putluri Bramarambavathi	Nasarimharao Ganipisetty	Abdul Kalam Shaik

Mechanical Engineering	Associate Professor	Assistant Professor	
	Dr.Bathula Venkata Siva	Venkanna Babu Mendi	Kandru John Babu
Nelaturi Vijaya Sekhar		Shaik Bajan	
Thella Ashok Kumar		Shaik Nagul Meeravali	
Busa Rajiv Kumar		Dantham Raghavendra	

Electronics and Communication Engineering Department	Associate Professor	Assistant Professor	
	Dr.Raju Kotluri	Hari Haranadha Sastry M	Bathula Siva Nageswara Rao
Dr A.V.Nageswara Rao	Suneetha Bobbillapati	Billapalli Srinivasa Rao	
	Shaik Areefa Begam	Chukka Adi Babu	
Dr.Ragavaiah Bonam	Narendra Eluri	Dr R Sambasiva Naik	
	Dr Sk.Bajid Vali	Shravanthi Jalasutram	Shaik Mastan Shareef
Dr Amit Gupta	Suneel Raja Manchili	Gorrepati Samba Siva Rao	
	Nareddula Rajeev Reddy	Shaik Mahammad Gouse	
	Rajavali Guntur	Joolaganty Pallvi	

Computer Science Engineering Department	Professor		
	Dr G.Syam Prasad		
	Associate Professor		
	Dr Lakshminadh K	Dr Siva Nageswararao S	Dr Venkata Sai Krishna
	Dr S.V. Naga Sreenivasu		
	Assistant Professor		
	Janardhana Rao A	Rodda Dilip Kumar	A Thanuja
	Ramakrishna B	Punyala Rama Devi	T Venkata Manohar
	Dodda Venkata Reddy	N Anantha Rami Reddy	Uppala Vijay Kumar
	Srinivasa Rao D	K Jaya Prakash	M Rama Krishna
	Arun Kodirekka	Sk Mohammed Jany	Reddy
	Chintalapudi Anil	M Satyam Reddy	Gera Venkateswara
	Srinadh Gade	K V Narasimha Reddy	Rao

Copy to...
Secretary to Honourable Vice-Chancellor, JNTUK, Kakinada.
PA to Rector, JNTUK, Kakinada.
Director-Academic Audit, JNTUK, Kakinada


Registrar
REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

COLLEGE NAME: Malla Reddy Institute of Technology & Science

CODE: S 1

Proceeding No:

Date: 25/04/18

Affiliated to
(JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD KUKATPALLY, HYDERABAD)


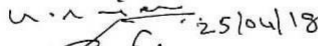



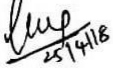
Minutes of the Selection Committee Meeting held on: 25/04/18 at 2:30 Pm

Post : Assistant Professor

Department : Electronics & Communication Engineering (ECE)

Scale of Pay: 15600 - 39100 (As per AICTE VI Pay Scale)

S. No	Name of the Faculty	Faculty Portal Reg. Number	PAN Number	UG Branch	PG Branch	Ph.D	Years of Experience
1	DR. AMIT GUPTA	5778-180416-152538	ALSP48778N	B.E (ECE)	M.E.	ECE	

S.No	Role	Name	Signature
1.	Chairperson	: Mr. G. Anand	
2.	Principal	: Dr. K. Ravindra	
3.	University Nominee 1	: Dr. P. Chandrasekhar Reddy	
4.	University Nominee 2	: Dr. C. NIRMALA DEVI	
5.	Expert 1	: Dr. D. Jayaprakash Narayan	
6.	Expert 2	: Dr. K. Y. Srinivas	
7.	SC/ST/OBC/Women/ Differently Abled if any		



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR AMIT GUPTA
for successfully completing the course

Cloud Computing and Distributed Systems

with a consolidated score of **60** %

Online Assignments	25/25	Proctored Exam	35.25/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **2219**

Prof. B. V. Ratish Kumar
Chairman, Centre for Continuing Education
IIT Kanpur

Jan-Mar 2023

(8 week course)

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL23CS27S34723977

To validate the certificate



No. of credits recommended: 2 or 3

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS19S13451759

To
DR AMIT GUPTA
109 KAUSALYA TOWER ECIL
ECIL X ROAD
HYDERBAD
TELANGANA - 500062
PH. NO :9786741277



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR AMIT GUPTA

for successfully completing the course

Computer Networks and Internet Protocol

with a consolidated score of **62** %

Online Assignments	24.06/25	Proctored Exam	38.27/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1700**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS19S13451759

To validate and check scores: <https://nptel.ac.in/noc>



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR AMIT GUPTA
for successfully completing the course

Cryptography and Network Security

with a consolidated score of **55** %

Online Assignments	24.66/25	Proctored Exam	30/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **1810**

Jul-Oct 2022
(12 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS90S33694106

To validate the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR AMIT GUPTA
for successfully completing the course

Data Analytics with Python

with a consolidated score of **56** %

Online Assignments	24.06/25	Proctored Exam	31.91/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **7860**

Prof. Sanjeev Manhas
Coordinator, Continuing Education Centre
IIT Roorkee

Jan-Apr 2023
(12 week course)

Prof. Priti Maheshwari
NPTEL Coordinator
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No: NPTEL23CS08S54360222

To validate the certificate



No. of credits recommended: 3 or 4



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR AMIT GUPTA
for successfully completing the course

Introduction to Industry 4.0 and Industrial Internet of Things

with a consolidated score of **54** %

Online Assignments	24.13/25	Proctored Exam	30.32/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **5469**

Jul-Oct 2022
(12 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS95S63693698

To validate the certificate



No. of credits recommended: 3 or 4

This certificate is computer generated and can be verified by scanning the QR code given below.

Roll No: NPTEL22CS53S23453610

To
DR AMIT GUPTA
109 KAUSALYA TOWER ECIL
ECIL X ROAD
HYDERBAD
TELANGANA - 500062
PH. NO :9786741277



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR AMIT GUPTA

for successfully completing the course

Introduction to Internet of Things

with a consolidated score of **54** %

Online Assignments	23.28/25	Proctored Exam	30.62/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **6573**

Prof. Jayanta Mukhopadhyay
Dean Outreach
IIT Kharagpur

Jan-Apr 2022
(12 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL22CS53S23453610

To validate and check scores: <https://nptel.ac.in/noc>



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
DR AMIT GUPTA
for successfully completing the course

Introduction to Soft Computing

with a consolidated score of **63** %

Online Assignments	24.71/25	Proctored Exam	38.27/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: **1105**

Jan-Mar 2023
(8 week course)


Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

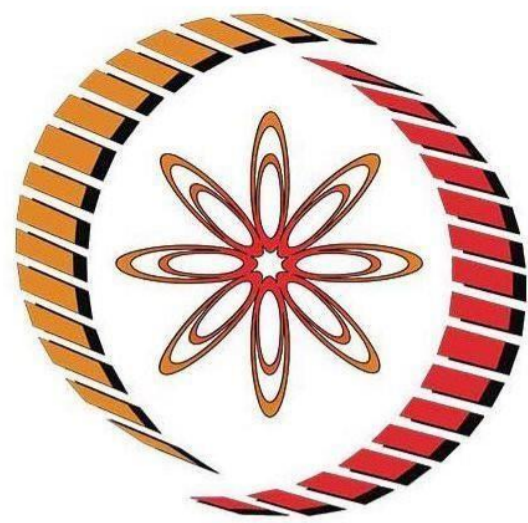


Roll No: NPTEL23CS40S44725547

To validate the certificate



No. of credits recommended: 2 or 3



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to

DR AMIT GUPTA

for successfully completing the course

Introduction to Machine Learning

with a consolidated score of **62** %

Online Assignments	22.46/25	Proctored Exam	39.8/75
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Total number of candidates certified in this course: **3449**

Jul-Sep 2023

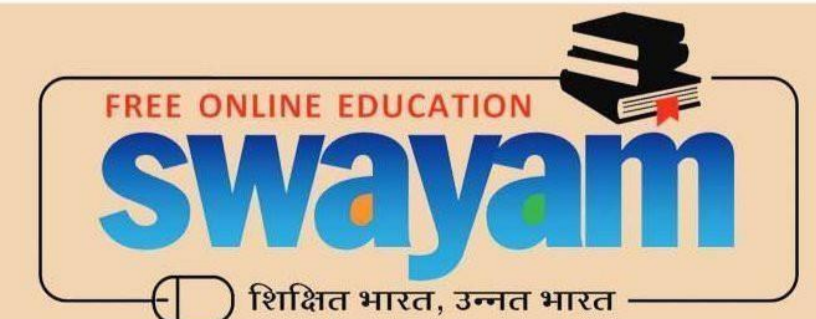
(8 week course)

Prof. Haimanti Banerji

Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL23CS87S35704700

To verify the certificate



No. of credits recommended: 2 or 3