

**BATCH 1**

Supervisor – Prof. Bhuvan Unhelkar, University of South Florida, USA

Co-Supervisor 1 – **Prof. Siva Shankar S**, Associate Professor & Dean Foreign Affairs, Department of Computer Science and Engineering, KG Reddy College of Engineering and Technology, Chilukuru village, Moinabad, R R Dist, Telangana, INDIA

Co-Supervisor 2 – **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

**POSTDOC SCHOLARS –**

**1. Dr. K Gurnadha Gupta**

Topic : Deep learning based optimization technique for the security of cloud using data analytics

**2. Dr. J Seetha**

Topic : Prediction of infectious disease using data analytics and artificial intelligence

**3. Dr. Vishal Goyal**

Topic : Artificial intelligence based big data analytics for an intelligent system in smart city applications

**4. Dr. Kamal Sharma**

Topic : An optimized Deep learning based encrypted data analytic framework for renewal energy based smart grid

**5. Dr. S Sajithra Varun**

Topic : Role of artificial intelligence in detection and diagnosis of cancer

**6. Dr. S Sreenath Kashyap**

Topic : Artificial ant lion optimization based random forest for accurate detection of plant diseases

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**BATCH 2**

Supervisor – **Prof. Bhuvan Unhelkar**, University of South Florida, USA

Co-Supervisor 1 – **Prof. Siva Shankar S**, Associate Professor & Dean Foreign Affairs, Department of Computer Science and Engineering, KG Reddy College of Engineering and Technology, Chilukuru village, Moinabad, R R Dist, Telangana, INDIA

Co-Supervisor 2 – **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

**POSTDOC SCHOLARS –**

**1. Dr. J. Somasekar**

Topic - Machine Learning Techniques for Recommendation System Based on Collaborative Filtering

**2. Dr. Muralidhar K**

Topic - Improving the Computing Capability of Mobile Nodes in MANETs through Intelligent selection of Mobile Cloud

**3. Dr. B Umamaheswararao**

Topic - Big data analytics using machine learning in Cyber physical system s

**4. Dr. Sivanagireddy Kalli**

Topic - An Optimization based Machine Learning framework for Automatic Detection of COVID-19 using CT and X-Ray Images

**5. Dr. V Daya Sagar Ketaraju**

Topic - Deep Learning and Medical Image analysis methods for Detecting Brain Tumor

**6. Dr. Radhika R**

Topic - Crop Yield Prediction Model using RNN for Sustainable Development of Agriculture

**7. Dr. D. Nagaraju**

Topic - Deep learning Model for Human Activity Recognition using Health Care Data

**8. Dr. T. Sunil Kumar Reddy**

Topic - Adaptive Scheduling Algorithm for Resource Management in Internet of Things

**9. Dr R. Raja Kumar**

Topic - Study, Investigation, Risk analysis, Predicting and Developing the Framework for Diabetic Retinopathy using Deep Learning Strategies

**10. Dr M Purushotham Reddy**

Topic - Psoriasis skin image analysis using deep learning techniques

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**BATCH 3**

Supervisor - **Prof. Bhuvan Unhelkar**, University of South Florida, USA

Co-Supervisor 1 - **Prof. Pravin Ramdas Kshirsagar**, Professor & Head - Data Science, Tulsiramji Gaikwad Patil College of Engineering & Technology, Nagpur, Maharashtra, INDIA

Co-Supervisor 2 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

**POSTDOC SCHOLARS -**

**1. Dr. K Vijayan**

Topic - An Optimized machine learning based routing protocol for IOT enabled wireless sensor networks

**2. Dr. Subba Rao Polamuri**

Topic - Exploring deep learning and GAN models for leveraging stock prices prediction

**3. Dr. Amrit Ghosh**

Topic - Investigations on Mobile IPv6

**4. Dr. Ankit Kumar**

Topic - Revolutionizing Medical Education : Enhancing Learning with AR,VR, Haptics and 3D Simulation

**5. Dr. Venkat P. Patil**

Topic- Hybrid Artificial Intelligence based Techniques for Healthcare Application

**6. Dr. Shrikant V. Sonekar**

Topic - Design and Development of an algorithmic approach for Intrusion Detection in Ad hoc Wireless Networks using Artificial Intelligence

**7. Dr Vaishnav Gorakhnath Kale**

Topic- Cancer analysis and diagnosis using Artificial Intelligence

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**BATCH 4**

Supervisor - **Prof. Bhuvan Unhelkar**, University of South Florida, USA

Co-Supervisor - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

**POSTDOC SCHOLARS -**

**1. Dr. Nallamala Sri Hari**

Topic - Cancer Prognosis Using Artificial Intelligence-Based Techniques

**2. Dr. Kudipudi Srinivas**

Topic - Prediction of Type 2 Diabetes using Deep learning and Bioinformatics techniques

**3. Dr. Nageswara Rao Moparthi**

Topic - Conventional and artificial intelligence-based imaging for biomarker discovery in chronic liver disease

**4. Dr. VidyaSagar P**

Topic - Two-Stage Classification Model for the Prediction of Heart Disease Using Artificial Intelligence

**5. Dr. G. Nanda Kishor Kumar**

Topic - A prior stage diabetes prediction and response instructions to patients using deep learning techniques

**6. Dr Sanjay Gandhi Gundabatini**

Topic - A transfer learning approach for AI-based classification of brain tumours

**7. Dr. Amjan Shaik**

Topic - Exploring AI and Data science based Security and it's Scope in IoT Usecases

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**BATCH 5**

Supervisor - **Prof. Bhuvan Unhelkar**, University of South Florida, USA

Co-Supervisor 1 - **Prof. Siva Shankar S**, Associate Professor & Dean Foreign Affairs, Department of Computer Science and Engineering, KG Reddy College of Engineering and Technology, Chilukuru village, Moinabad, R R Dist,Telangana, INDIA

Co-Supervisor 2 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

#### **POSTDOC SCHOLARS -**

**1 .Dr. Y. Ravi Kumar**

Topic - Secure and energy efficient trust based routing protocol for Adhoc Sensor Network

**2. Dr. N. Sivakumar**

Topic - Design and development of Artificial Intelligence based Federated learning model for Healthcare Informatics

**3. Dr. Karthick Raghunath. K.M**

Topic - Interpretable Deep Learning for Medical Image Analysis: A Novel Framework with Convolutional Neural Networks, Attention Mechanisms, and Explainable AI for Radiology Diagnosis

**4. Dr Ajmeera Kiran**

Topic - A Hybrid Fine Tuned Optimizer to detect heart attacks by analyzing the ECG data

**5. Dr.S.V.Devika**

Topic - MLP-CNN Based Classification and Prediction of DDOS Attacks

**6. Dr.Siddapuram Arvind**

Topic- Cyber Attacks Detection Based on Adopting Deep Learning for Cloud Computing

**7. Dr. Hemanta Kumar Bhuyan**

Topic - Improving the Local and Global feature-based image using Transformer and Generative Adversarial Network model

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#### **BATCH 6**

Supervisor - **Prof.Bhuvan Unhelkar**, University of South Florida, USA

Co-Supervisors (mentioned beside candidate)

#### **POSTDOC SCHOLARS -**

**1 . Dr. Gummadi Jose Moses**

Topic - Computer forensics in livormortis through blood using image processing

Co-Supervisor 1 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

Co-Supervisor 2 - **Dr. T. Sathish Kumar**, Associate Professor and Head, Department of Computer Science and Engineering, Hyderabad Institute of Technology and Management, Hyderabad, INDIA

**2. Dr. G S Pradeep Ghantasala**

Topic - Breast cancer diagnosis using generative adversarial networks: a comparative study on GAN variants

Co-Supervisor 1 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

Co-Supervisor 2 - **Prof Pradeep N**, Dean Academics and Professor, Bapuji Institute of Engineering and Technology, Karnataka, INDIA

**3. Dr. Pellakuri Vidyullatha**

Topic - Multi image based text classification using Deep Learning Techniques

Co-Supervisor - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

**4. Dr. Ruth Ramya Kalangi**

Topic - Enhancing Cloud Security through Deep Learning based anomaly detection

Co-Supervisor - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

**5. Dr. Venkateswarulu Naik B**

Topic - Improving Pneumonia Diagnosis in Pediatric Patients: Pediatric-specific Techniques for New Drug Discovery

Co-Supervisor 1 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

Co-Supervisor 2 - **Dr. Shashi Kant Dargar**, Associate Professor, Department of Electronics and Communication Engineering, Kalasalingam Academy of Research and Education, INDIA

Co-Supervisor 3 - **Dr. Ritamshirsa Choudhuri**, Department of Data Science, Techno Main Saltlake Techno India, Kolkata, West Bengal, INDIA

**6. Dr Syed Ziaur Rahman**

Topic- Improved machine learning strategies for Business Intelligence using subset selection and filtering techniques

Co-Supervisor 1 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA Email : deputyprovost@itmbu.ac.in

Co-Supervisor 2 - **Prof. Mohammed Ali Hussain**, Professor, Department of Computer Science & Engineering and Associate Dean (R & D), KL Deemed to be University, Andhra Pradesh, INDIA

**7. Dr. CH Naga Santhosh Kumar**

Topic- Investigations on AEERL-HACA (Artistic Expression Enhancement through Reinforcement Learning: A Human-AI Collaboration Approach )

Co-Supervisor 1 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

Co-Supervisor 2 - **Prof. Mohammed Ali Hussain**, Professor, Department of Computer Science & Engineering and Associate Dean (R & D), KL Deemed to be University, Andhra Pradesh, INDIA

**8. Dr. Supriya Nandikolla**

Topic - Crop Yield Prediction in Diverse Environmental Conditions Using Machine Learning

Co-Supervisor 1 - **Prof. Pravin R Kshirsagar**, Professor, Department of Artificial intelligence, G. H. Rasoni college of Engineering, Nagpur, INDIA

Co-Supervisor 2 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

**9. Dr. Rajesh Saturi**

Topic - Enhancing CNN Model for Automatic Detection of Breast Cancer Using Histopathology Images

Co-Supervisor - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

10. **Dr K A Varunkumar** Topic - Detection and Analysis of Malicious Traffic Using Deep Learning Techniques.

Co-Supervisor 1 - **Prof. Pravin R Kshirsagar**, Professor, Department of Artificial intelligence, G. H. Rasoni college of Engineering, Nagpur, INDIA

Co-Supervisor 2 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

11. **Dr. N. Srinivas Rao**

Topic - Routing protocols for maximization of network lifetime in WSN environment

Co-Supervisor 1 - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

Co-Supervisor 2 - **Prof. Mohammed Ali Hussain**, Professor, Department of Computer Science & Engineering and Associate Dean (R & D), KL Deemed to be University, Andhra Pradesh, INDIA

12. **Dr. K. P. Srinivasakumar**

Topic - Investigations on Clinical Pharmacology for COVID vaccine - A data analytics perspective

Co-Supervisor - **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

13. **Dr. Eshwar Dara**

Topic - Investigations on Artificial intelligence based imbalanced techniques for big data classification

Co-Supervisor 1 - **Prof. Siva Shankar S**, Associate Professor & Dean Foreign Affairs, Department of Computer Science and Engineering, KG Reddy College of Engineering and Technology, Chilukuru village, Moinabad, R R Dist, Telangana, INDIA

Co-Supervisor 2- **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

14. **Dr. Bhaludra R Nadh Singh**

Topic - Prognosis of Skin Disease Detection using Hybrid Artificial Intelligence

Co-Supervisor 1 - **Prof. Pravin R Kshirsagar**, Professor and Head, Department of Electronics and Communication Engineering, J D College of Engineering and Management, Nagpur, Maharashtra, PIN- 441501, INDIA

Co-Supervisor 2- **Prof. Prasun Chakrabarti**, Deputy Vice Chancellor, ITM (SLS) Baroda University, INDIA

15. **Dr. D Durga Prasad**

Topic - Hybridizing Imbalanced Data Solutions: Combining Algorithms with Ensemble Methods and Cost-Sensitive Learning for Enhanced Performance

Co-Supervisor- **Dr. Sri Hari Nallamala**, Professor, Department of Computer Science & Engineering, Vasireddy Venkatadri Institute of Technology (Autonomous), Nambur, Guntur Dt., Andhra Pradesh, INDIA .

16. **Dr V. Sitharamulu**

Topic - Blockchain Ontology for Streamlining Application Development using Semantic Web Rule Language

Co-Supervisor - **Prof. Mohammed Ali Hussain**, Professor, Department of Computer Science & Engineering and Associate Dean (R & D), KL Deemed to be University, Andhra Pradesh, INDIA

17. **Dr. Chinmaya Kumar Nayak**

Topic - Optimization of Energy in WSN using AI

Co-Supervisor - **Prof. Pravin R Kshirsagar**, Professor and Head, Department of Electronics and Communication Engineering, J D College of Engineering and Management, Nagpur, Maharashtra, PIN- 441501, INDIA

18. **Dr. Balajee Maram**

Topic - Glaucoma detection using hybrid architecture based on deep neuro fuzzy network and Nature-Inspired Optimization Algorithms

Co-Supervisor - **Prof. Pravin R Kshirsagar**, Professor and Head, Department of Electronics and Communication Engineering, J D College of Engineering and Management, Nagpur, Maharashtra, PIN- 441501, INDIA

### **INDEPENDENT BATCH:**

Dr. Abhishek Kumar: "Metaversal Resurgence: Exploring Digital Reality as Transformative Tools for STEM Students' Mental Rehabilitation and Well-being."

Dr. Kamal Gulati: "Identification and Validation of the Key Elements that Enable Context-based Dynamicity in Chatbot Architectures."

Dr. Asif Irshad Khan: "Enhancing the Self-learning Capabilities of an Anti-phishing Framework to Warn Social Media Users of Malicious URLs Based on Artificial Intelligence Techniques."

Dr. V. Senthil Murugan: "Optimizing MANET's Routing Using Machine Learning Techniques."

Dr. Sandeep Ranjan: "Social Network Community Detection in Medical Diagnosis."

Dr. Jimmy Singla: "Fuzzy Logic-based Systems for Medical Diagnosis."

Dr. Prasanalakshmi Balaji: "Complex-valued Dynamic Neural Networks in Time Series Prediction."

Dr. Deepak Prashar: "Malware Analysis and Development of Countermeasures using AI and Machine Learning."

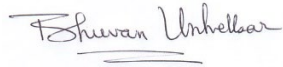
Dr. Walied Askarzai: "Implementing Comprehensive Policies and Security Measures for Small Businesses in Cashless Societies: An Empirical Study"

Dr. Girish Nair: "The Impact of Cybersecurity Breaches on Stock Prices, Credit, and ESG Ratings, and the Role of Corporate Strategic Leadership in Their Rapid Recovery."

Dr. Kirti Raj Bhatele: "Exploring the Feasibility and Efficacy of Real-time Computer-Aided Diagnosis Systems Using Artificial Intelligence for Structural Disorders in the Central Nervous System."

Dr. Madhulika Bhatia: "Exploring the Potential of Mining Dark Data in Hospital Databases to Develop Early Disease Prediction Models."

Dr. Devpriya Soni: "Leveraging Artificial Intelligence-Powered Language Models for the Detection and Prevention of Smishing Attacks"



Professor (Dr.) Bhuvan Unhelkar  
Muma College of Business,  
University of South Florida (Sarasota-Manatee Campus)  
Email: [bunhelkar@usf.edu](mailto:bunhelkar@usf.edu)

DEPARTMENT OF INFORMATION SYSTEMS AND DECISION SCIENCES, MUMA COLLEGE OF BUSINESS  
University of South Florida • 4202 East Fowler Avenue, CIS1040 • Tampa, FL 33620-7800  
(813) 974-5524 • FAX (813) 974-6749 • [www.business.usf.edu](http://www.business.usf.edu)