National Kaohsiung University of Science and Technology

Research Institute of IoT Cybersecurity

(ongoing 2024-25 postdoc batches)

SERIAL A

Supervisor – **Prof. Chin-Shiuh Shieh** , National Kaohsiung University of Science and Technology Email- csshieh@nkust.edu.tw

Co-Supervisor 1 – **Prof. Siva Shankar S** , Professor & Head IPR , Department of CSE , KG Reddy College of Engineering and Technology, India   Email - drsivashankars@gmail.com

Co-Supervisor 2 – **Prof. Prasun Chakrabarti** , Director, Directorate of Research and Publications and Dean International Affairs and Senior Professor, Department of Computer Science and Engineering, Sir Padampat Singhania University, India Email- drprasun.cse@gmail.com

POSTDOC CANDIDATES

1. Dr.Banu Priya

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / A**

Duration – **May 21 ,2024 – May 20, 2025**

Postdoc Topic (Project No. P/2024/B1/A) **– Investigations on the Early Diagnosis and Treatment of Attention-deficit/hyperactivity disorder (ADHD) in Children by leveraging Gaming Platform**

2. Dr. Vuda Sreenivasa Rao

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / B**

Duration – **May 21 ,2024 – May 20, 2025**

Postdoc Topic (Project No. P/2024/B1/B) **– Game-Theoretic Self-Supervised Learning for Anomaly Detection in Video Surveillance**

3. Dr. L.N.B Srinivas

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / C**

Duration – **May 21 ,2024 – May 20, 2025**

Postdoc Topic (Project No. P/2024/B1/C) **– Deep Learning Framework for the prediction of Autism Spectrum Disorder (ASD) in Children**

4. Dr.V T Ram Pavan Kumar M

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / D**

Duration – **May 21 ,2024 – May 20, 2025**

Postdoc Topic (Project No. P/2024/B1/D) **– Design and Development Of Deep Learning Method for the Classification and Detection of Colo Rectal Cancer**

5. Dr Manyam Thaile

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / E**

Duration – **May 21 ,2024 – May 20, 2025**

Postdoc Topic (Project No. P/2024/B1/E) **– Effective Water Quality Management Analysis using Deep Learning Techniques**

6. Dr Ravula Arun Kumar

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / F**

Duration – **May 21 ,2024 – May 20, 2025**

Postdoc Topic (Project No. P/2024/B1/F) **– Optimizing deep learning for edge devices through advanced model compression techniques**

7. Dr A Ronald Doni

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / G**

Duration – **July 26 ,2024 – July 25, 2025**

Postdoc Topic (Project No. P/2024/B1/G) **– Artificial Intelligence driven enhanced skin cancer diagnosis : leveraging convolutional neural networks**

SERIAL B

Supervisor – **Prof. Chin-Shiuh Shieh** , National Kaohsiung University of Science and Technology Email- csshieh@nkust.edu.tw

*Co-Supervisor 1 – **Dr V Senthil Murugan** , School of Computing, SRM Institute of science and Technology(Deemed to be University), Chennai, Tamil Nadu, India ; Email - senthilv5@srmist.edu.in

Co-Supervisor 2 – **Prof. Prasun Chakrabarti** , Director, Directorate of Research and Publications and Dean International Affairs and Senior Professor, Department of Computer Science and Engineering, Sir Padampat Singhania University, India Email- drprasun.cse@gmail.com

** Co-Supervisor 3 – **Prof. Sridhar Patthi** , Professor , Department of Computer Science and Engineering (AI /ML) Marri Laxman Reddy Institute of Technology and Management, India. Email - sridharp35@gmail.com (for Candidate Sl. No 2 and 3)

* / ** for selected candidates

POSTDOC CANDIDATES

*1. Dr. K.Kalaiselvi

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / H**

Duration – **July 26 ,2024 – July 25, 2025**

Postdoc Topic (Project No. P/2024/B1/H) **– Real time location aware QOS specific spatial distribution cluster routing for improved QOS in WSN**

* / ** 2. Dr. Arun A.

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / I**

Duration – **July 26 ,2024 – July 25 , 2025**

Postdoc Topic (Project No. P/2024/B1/I) **– Enhancing Healthcare Monitoring and Diagnosis through Active Reconfigurable Systems and IoT-driven Machine Learning**

* / **3. Dr. S. Mahaboob Basha

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / J**

Duration – **July 26 ,2024 – July 25 , 2025**

Postdoc Topic (Project No. P/2024/B1/J) – **IoT-Enabled Machine Vision for Automated Diagnosis in Healthcare**

4. Dr. Nimala K

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / L**

Duration – **July 26 ,2024 – July 25, 2025**

Postdoc Topic (Project No. P/2024/B1/L) – **Utilization of Explainable AI techniques with Transformer based Large Language models for deriving fine tuned mental healthcare diagnostic system to detect depressive user behavior in online social networks**

5. Dr. G Geetha

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / M**

Duration – **July 26 ,2024 – July 25 , 2025**

Postdoc Topic (Project No. P/2024/B1/M) – **Leveraging Continuous Glucose Monitoring Data to Forecast Future Nocturnal Hypoglycemia Episodes with Extended Prediction Horizon**

6. Dr. J. Godwin Ponsam

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / N**

Duration – **July 26 ,2024 – July 25 , 2025**

Postdoc Topic (Project No. P/2024/B1/N) – **A Framework for the Detection and Mitigation of Vulnerabilities using deep learning**

SERIAL C

Supervisor – **Prof. Chin-Shiuh Shieh** , National Kaohsiung University of Science and Technology Email- csshieh@nkust.edu.tw

Co-Supervisor 1 – **Prof. .Mohammed Ali Hussain** , Professor and Assoc. Dean (R & D) , KLEF (Deemed to be University), Guntur District, Andhra Pradesh, India. Email - alihussain.phd@gmail.com

Co-Supervisor 2 – **Prof. Prasun Chakrabarti** , Director, Directorate of Research and Publications and Dean International Affairs and Senior Professor, Department of Computer Science and Engineering, Sir Padampat Singhania University, India Email- drprasun.cse@gmail.com

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POSTDOC CANDIDATES

1. Dr. Jagadish R M

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / K**

Duration – **July 26 ,2024 – July 25 , 2025**

Postdoc Topic (Project No. P/2024/B1/K) **– An Adaptive AI-Enhanced Technique for Crop Monitoring Using IoT**

2. Dr. P Suma

Selection letter Ref No – **NKUST/Postdoc 2024 /Batch 01 /Q1**

Duration – **July 29, 2024 – July 28, 2025**

Postdoc Topic (Project No. P/2024/B1/Q1) **– Improving Quality of Service in MANETs using Adaptive Routing and resource optimization strategies**

SERIAL D

Supervisor – **Prof. Chin-Shiuh Shieh** , National Kaohsiung University of Science and Technology Email- csshieh@nkust.edu.tw

Co-Supervisor   – **Prof. Prasun Chakrabarti** , Director, Directorate of Research and Publications and Dean International Affairs and Senior Professor, Department of Computer Science and Engineering, Sir Padampat Singhania University, India Email- drprasun.cse@gmail.com

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POSTDOC CANDIDATES

1. Dr. Mandeep Kumar

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / P**

Duration – **July 29 ,2024 – July 28 , 2025**

Postdoc Topic (Project No. P/2024/B1/P) **– Transforming Mental Health and Forensic Psychology:**

Emotion recognition using Artificial Neural Networks

2. Dr. Sandeep Kumar

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / R**

Duration – **September 16, 2024 – September 15, 2025**

Postdoc Topic (Project No. P/2024/B1/R) **– Deep learning based automatic recognition and classification of concrete cracks**

SERIAL E

Supervisor – **Prof. Chin-Shiuh Shieh** , National Kaohsiung University of Science and Technology Email- csshieh@nkust.edu.tw

Co-Supervisor 1 **– Prof. Prasun Chakrabarti** , Director, Directorate of Research and Publications and Dean International Affairs and Senior Professor, Department of Computer Science and Engineering, Sir Padampat Singhania University, India Email- drprasun.cse@gmail.com

Co-Supervisor 2 - **Prof. Parvataneni Rajendra Kumar** , Professor, Department of Information Technology, NRI Institute of Technology, India Email – p.rajendrakumar08@gmail.com

POSTDOC CANDIDATES

1. Dr. Shilpa Choudhary

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / O**

Duration – **July 29 ,2024 – July 28 , 2025**

Postdoc Topic (Project No. P/2024/B1/O) **– AI-Enabled Data Visualization Software application with Integrated Speech and Text Input Capabilities**

2. Dr Ankit Tiwari

Selection letter Ref No - **NKUST/Postdoc 2024 / Batch 01 / Q**

Duration – **September 16, 2024 – September 15, 2025**

Postdoc Topic (Project No. P/2024/B1/Q) **– Enhancing Stock Market Prediction and Investment Strategies with Deep Neural Networks**