

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(CYBER SECURITY)**

NOVEMBER MONTH NEWSLETTER

RESEARCH ACCOMPLISHMENTS



DR. DILIP KUMAR JANG BAHADUR SAINI HAS CO-AUTHORED A RESEARCH ARTICLE TITLED:“AQUANTUM-DRIVEN MULTI-STAGE FRAMEWORK INTEGRATING VARIATIONAL ENTANGLEMENT, REINFORCEMENT LEARNING, AND FEDERATED EXPLAINABILITY FOR CLIMATE-RESILIENT FARMING” PUBLISHED IN SCIENTIFIC REPORTS (NATURE PORTFOLIO) ON 3RD NOVEMBER 2025.



DR. D. SUMATHI HAS CO-AUTHORED A RESEARCH ARTICLE TITLED:“PREDICTION OF CARDIOVASCULAR DISEASE RISK FROM RETINAL VASCULATURE USING A QUANTITATIVE DIAGNOSTIC APPROACH WITH CVD-NET IN DR AND HR PATIENTS” PUBLISHED IN THE IEEE ACCESS JOURNAL ON 16TH SEPTEMBER 2025.



DR. DURBADAL CHATTARAJ HAS PRESENTED A RESEARCH PAPER TITLED:“DVSAT: DESIGNING CYBER RISK ASSESSMENT FRAMEWORK FOR NEXT GENERATION COMMUNICATION NETWORKS, APPLICATIONS, AND APIS” AT THE 2025 IEEE INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING, VLSI, ELECTRICAL CIRCUITS AND ROBOTICS (IEEE DISCOVER 2025), ORGANIZED BY THE IEEE MANGALORE SUBSECTION AND HOSTED BY P.A. COLLEGE OF ENGINEERING, MANGALURU, KARNATAKA, ON 17TH-18TH OCTOBER 2025.



DR. INDUSHREE M HAS CO-AUTHORED AND PUBLISHED A RESEARCH ARTICLE TITLED:“A LIGHTWEIGHT AND SECURE AUTHENTICATION PROTOCOL WITH BLOCKCHAIN-BOUND DEVICE TOKENS FOR MOBILE ROAMING IN EDGE NETWORKS” IN THE INTERNATIONAL JOURNAL SECURITY AND PRIVACY (WILEY), FIRST PUBLISHED ON 3RD NOVEMBER 2025.

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RESEARCH ACCOMPLISHMENTS



DR. G. HEMANTH KUMAR AND DR. DILIP KUMAR JANG BAHADUR SAINI HAVE CO-AUTHORED A RESEARCH PAPER TITLED: "PROOF-OF-METROLOGY (POM): A BLOCKCHAIN CONSENSUS FOR TAMPER-PROOF CALIBRATION IN ADVERSARIAL CYBER-PHYSICAL SYSTEMS" PUBLISHED IN THE IEEE ACCESS JOURNAL IN NOVEMBER 2025.

STUDENT ACHIEVEMENTS

MR. ADEESH L. P(ENG22CY0025) HAS SUCCESSFULLY EARNED THE EJPT (JUNIOR PENETRATION TESTER) CERTIFICATION, AWARDED ON 11TH NOVEMBER 2025. THE EJPT IS AN INTERNATIONALLY RECOGNIZED CERTIFICATION THAT VALIDATES ESSENTIAL SKILLS IN PENETRATION TESTING, ETHICAL HACKING, NETWORK ANALYSIS, VULNERABILITY ASSESSMENT, AND EXPLOITATION TECHNIQUES.