Five Days FDP

on

"Advancements on Cyber Security and Natural Language Processing"

24ᵗʰ - 28ᵗʰ June 2024

Organized by

Department of Computer Science & Engineering

In Association with

NIRAL NETWORKS

B. N. M. Institute of Technology

An Autonomous Institution under VTU.

Banashankari 2ⁿᵈ Stage, Bengaluru - 560 070, INDIA
www.bnmit.org

Vidyayāmruthamashnuthe

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Registration

Registration Fee Rs.400/-

Certificates shall be issued to those participants who attend the program with minimum 80% attendance. The number of participants is limited to 50 on first come first serve basis.

Last Date for Registration: 22nd June 2024

Scan to Register

Scan to Pay

Registration Link:
https://forms.gle/jj9FeXvHhxyJUfMD6

Mode of conduction:

Online mode.

About BNM Institute of Technology:

BNMEI – B.N.M Educational Institutions was established by the trust Bhageerathi Bai Narayana Rao Maanay Charities in the year 1972. The Managing Trustee Shri. N. Raghunath Rao Maanay along with Prof. Sunanda P Jadhav the founder Secretary and Principal founded the institution with a focused vision to impart value-based quality education irrespective of social, financial or religious status. Prof. Sunanda P. Jadhav strived to provide education at affordable cost especially to the girl child and her unstinted efforts yielded highly commendable results. From a humble beginning the BNM group of Educational Institutions is now a leader in the field of education, providing the most modern education while maintaining the rich cultural heritage of the great India.

Education starts at BNM offering Montessori system to Tiny Tots at the tender age of two and half years in the BNM Montessori House. BNM is an amalgam of Educational Institutions consisting of BNM Montessori House, BNM Primary School (State Syllabus), BNM High School (State Syllabus), BNM Public School (Central Syllabus), BNM PU College, BNM Degree College and BNM Institute of Technology.

About Department of Computer Science and Engineering:

The Department of Computer Science & Engineering started in 2001 with an intake of 60 students and the present intake is 180. The Department is renowned for imparting quality education with well-qualified and dedicated faculty members, who are experts in various domains of Computer Science & Engineering and strive for an exceptional career growth for the students.

The Department offers undergraduate and postgraduate programmes in Computer Science & Engineering. A well-equipped Research & Development (R&D) Center, affiliated to VTU, has been set up to cater to the needs of the research scholars, as they conduct cutting-edge research towards doctoral degrees.

The Teaching-learning process put in place by the Department is well defined to help students explore the trending technologies via Skill Development Programmes organised by the industry-institute Interaction Cell. Students are also encouraged to improve their performances in the University examinations through Performance Enhancement Classes.

The Innovative Project Labs (IPL) of the R&D Center encourages and equips the faculty and students to uncover innovative ideas, which are also funded through the Innovation & Entrepreneurship Development Cell (IEDC) to ensure prototyping to validate the ideas.

About the FDP:

Conducting a Faculty Development Program (FDP) on "Advancements on Cyber Security and Natural Language Processing" can be a valuable initiative to help educators and researchers gain a deeper understanding of the intersection between Cyber security and natural language processing (NLP). This FDP can equip participants with the knowledge and skills needed to address the challenges and harness the potential of Cyber Security and the NLP domain.

About Niral Networks:

NIRAL Networks aims to optimize emerging technologies like Drone, Robotics, IOT, AR/VR in various industries, including Mining, Oil & Gas, Power, Railway, Port, and Manufacturing.

FDP Objectives: -

- To promote innovation and competitiveness by enabling the safe and secure use of emerging technologies and digital services.
- To ensure business continuity and resilience by minimizing the impact of cyberattacks on the operations, reputation, and finances of organizations.
- To provide researchers and educators with the information, abilities, and resources needed to comprehend, tackle, and lessen the cybersecurity risks associated with integrating cutting-edge technologies in the context of Industry 4.0.
- To enhance knowledge on how Transformers evolve in AI and NLP.
- To give insights on Chatbots especially on Indian Languages.

Resource Persons

Mr. Abhijit Chaudhary *(Key note Speaker)* CEO and Founder Niral Networks Pvt. Ltd.
Dr. Vanitha K Associate Professor, Department of Computer Science and Engineering, Faculty of Engineering, Karpagam Academy of Higher Education (Deemed to be University) Coimbatore
Mr. Manoj Balaji Staff Data Scientist Juniper Networks
Dr. Rajani Shree M Associate Professor, Department of CSE, BNM Institute of Technology
Mr. Vignesh Machine Learning Engineer, Trustt (Formerly NovoPay)
Dr. Madhumala R. B. Senior IEEE Member, Associate Prof. DSATM
Dr. Sivaraman Eswaran Senior Lecturer, Dept. of Electrical and Computer Engineering Curtin University Malaysia City: Miri, State: Sarawak, Malaysia
Mr. Ashok Kumar Mohan Founder-Director, Kriyavan Cyber Forensic Service Pvt. Ltd.

Session Schedule:

Day	Resource Person Name	Title	Timings
Day1: Monday	Mr. Abhijit Chaudhary (Keynote Speaker)	5G Security Considerations and adoption of Zero-Trust Private 5G Solution for Industry 4.0	5:00 – 7:00 PM
	Dr. Vanitha K	Cyber security: Threats, Security Issues and Awareness	7:00 – 8:00 PM
Day 2: Tuesday	Mr. Manoj Balaji	Log Analysis for Network Management	5:00 – 7:00 PM
	Dr. Madhumala R. B.	Cloud Security	7:00 – 8:00 PM
Day 3: Wednesday	Dr. Rajani Shree M	Chatbot on Indian Languages	5:00 – 7:00 PM
	Mr. Vignesh	Evolution of Transformer Architecture	7:00 – 8:00 PM
Day 4: Thursday	Dr. Sivaraman	Cyber Threat Intelligence for Proactive Network Security	5:00 – 7:00 PM
Day 5: Friday	Mr. Ashok Kumar Mohan	The Art of Deception: Understanding and Mitigating Social Engineering Tactics	5:00 – 7:00 PM
	Dr. Chayadevi M. L.	Valedictory	7:00 – 8:00 PM