MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
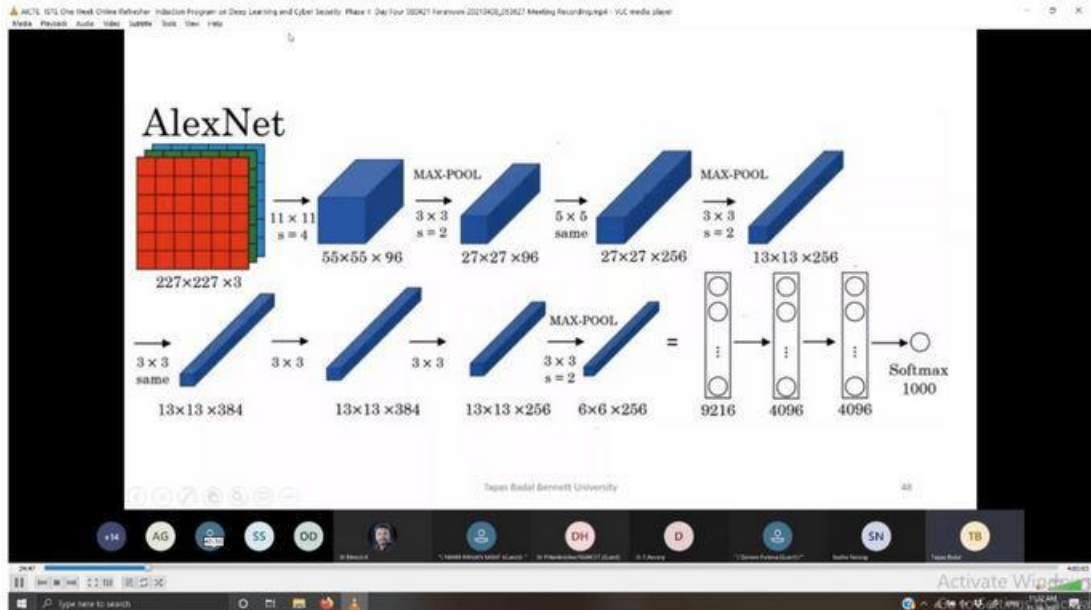## (UGC - AUTONOMOUS)

Report on
AICTE – ISTE Sponsored Refresher / Induction Program
on
Deep Learning and Cyber Security – Phase II

05.04.2021 to 10.04.2021

Submitted by : Dr Padma S, Assistant Professor, Dept of Computer Science and Technology

The Department of Computer Science & Technology of Madanapalle Institute of Technology & Science (UGC – Autonomous) organized the AICTE – ISTE Sponsored Refresher / Induction Program on Deep Learning and Cyber Security – Phase II from 05.04.2021 to 10.04.2021. 110 Participants (PG Students, Research Scholars and Faculty Members) belonging to the Department of Computer Science/Applications, Statistics and Mathematics from various colleges attended the workshop.

Day 1:

The inauguration started at 10 am. Dr.K.Dinesh, Associate Professor, Department of Computer Science & Technology welcomed the gathering. Dr.M.Sreedevi, Professor and Head, Department of Computer Science & Technology, Coordinator of the program felicitated the gathering. Dr P.Shanmugavadivu, Professor from Gandhigram Rural University, Dindugal delivered the inaugural address.

The Technical session I was handled by Dr P.Shanmugavadivu, Professor from Gandhigram Rural University, Dindugal. The tile of the talk was on "CNN for Machine Vision". It was followed by the technical session II by Dr.M.Sreedevi, Professor and Head, Department of Computer Science & Technology. She focuses on "Cybercrime and Forensics". Technical Session III was handled by Dr.A.Balaji Ganesh, Dean (Research), Velammal Engineering College, Chennai. He delivered his talk on "Autonomous Camera Sensor Network & Embedded Sensor Network based Augmented Reality".

Day 2:

The technical session IV was handled by Dr Sridhar Swaminathan, Assistant Professor, Bennett University, Noida. The tile of the talk was on "Why Neural Network is better? It was followed by the technical session V by Dr.A.Balaji Ganesh, Dean (Research), Velammal Engineering College, Chennai.. He delivered his talk on "Wireless Body Sensor Network & Real-time Hospital Network Case Studies". Technical Session VI was handled by Dr P.Shanmugavadivu, Professor from Gandhigram Rural University, Dindugal. She focuses on "Optimization in Machine Learning".

Day 3:

The technical session VII was handled by Dr.S.Ramamoorthy, Associate Professor, Dept of CSE, SRMIST, Chennai, Tamil Nadu. The talk was on "Deep Learning Models and its Applications". It was followed by the technical session VIII by Dr. M.Sreedevi, Professor and Head, Dept of CST, MITS, Andhra Pradesh. She focuses on "Women – Cyber Crime and Security". Technical Session IX was handled by Dr. Sridhar Swaminathan,Asst. Prof. Dept of CSE, Bennett University, Greater Noida. He delivered his talk on "Building Neural Network with Python".

Day 4:

The technical session X was handled by Dr. Tapas Badal, Asst. Prof., Dept of CSE, Bennett University, Greater Noida, Uttar Pradesh. His talk was on " Convolutional Neural Networks". It was followed by technical session XI Dr.R.Poorva Devi, Asst. Prof, Dept of CSE, SCSVMV Deemed University, Kanchipuram, Tamil Nadu. She discussed about "Cyber security trends". It was followed by the technical session XII by Dr. Tapas Badal, Asst. Prof.Dept of CSE, Bennett University, Greater Noida. He focuses on "Hands on training in CNN.

Day 5:

The technical session XIII was handled by Dr.S.Krishnakumar, Senior Technical Officer, DRDO, Chennai. This talk was on "Cybersecurity in Defence and Space". It was followed by the technical session XIV by Dr.S.Padma, Asst. Prof. Dept of CST, MITS. She focuses on "Security in Biometrics". Technical Session XV was handled by Dr.R.Sendhil, Asst. Prof., Dept of CST, MITS, Andhra Pradesh. He delivered his talk on "Privacy Preserving Techniques in Cyber Security".

Day 6:

The technical session XVI was handled by Dr Felix Bast, Associate Professor, Central University, Punjab. His talk was on "The Crux of Critical Thinking". It was followed by the technical session XVII by Dr.S.Padma, Asst. Prof., Dept of CST, MITS, Andhra Pradesh. She delivered her talk on " Scope of Deep Learning in Cyber Security". Technical Session XVIII was handled by Dr K.Dinesh, Asso. Prof., Dept of CST, MITS, Andhra Pradesh. He handled session on "Hyper optimization model for optimization problems".

Finally, the Valedictory function began at 4pm. The participants shared their experience and the learning they had in the 6 days. Valedictory address was given by Dr.S.Krishnakumar, Senior Technical Officer, DRDO, Chennai. Vote of Thanks for the participants is delivered by Dr.M.Sree Devi, Prof and Head, Department of Computer Science & Technology, Madanapalle Institute of Technology & Science (UGC – Autonomous). With this the event ended successfully.