

Science and Engineering Research Board
(a statutory body of the Department of Science & Technology, Government of India)

5 & 5A, LGF,
Vasant Square Mall
Sector-B, Pocket-5, Vasant Kunj,
New Delhi – 110 070

Brief report of the organized event
(Financial Assistance to Seminar / Symposia)

Date:
14/11/2023

SERB Sanction / File No: SSY/2023/000921

1. Name of **Academic Institution / University / Society etc. under whose auspices the Seminar / Conference / Workshop / Symposium etc. was organized:**

Malla Reddy College of Engineering and Technology, Hyderabad

2. **Title of the Seminar.: Applications of Deep Learning in Cyber Security**
3. **Duration / Period of the organized event: 02/011/2023 to 04/11/2023 (3 days)**
4. **Grant Sanctioned: Rs. 1,50,000/-**
5. **Summary of the event (Max. 1000 Words):**

Event Report

Department of Computer Science and Engineering, Malla Reddy College of Engineering and Technology organized a 3-Day National Level Seminar on “**Applications of Deep Learning in Cyber Security**” from 2nd - 4th November, 2023 in association with **Science and Engineering Research Board (SERB), New Delhi statutory body of the Department of Science and Technology (DST), Government of India. The Department has received a partial grant of Rs. 1,50,000/- from SERB, New Delhi.** This programme aimed to provide opportunities to acquire research skills in the domain of Cyber Security and its allied areas such as Machine Learning, Deep Learning and Cyber Security. Registration for the seminar was open to Faculty, research scholars, academicians, and industry people. In total, 86 registrations were received for the event. This included 52 faculty members, 27 research scholars, 7 industry people. All participants received a welcome kit that included a button file, a note book, and a pen.

The 3-day Seminar event comprised of 7 sessions and we invited 5 distinguished academicians from premier institutes and universities to share their views and research experiences in Deep Learning Cyber Security. Each speaker was given three hours time to present their expert talk, followed by 10 to 15 minutes to address questionnaires. The event was conducted in offline mode only. The participant feedback was collected.

Inaugural Session

On Thursday, November 2nd, 2023, at 9:30 a.m., an inaugural ceremony for the seminar programme was held. Dr. Venkeshwara Rao, from NIT Warangal, was the chief guest at the occasion, which was presided over by our Honorable Principal Dr. S. Srinivasa Rao, Dean Dr. T. Venu Gopal, Dean Placement Dr. Kailasa Rao, Dean R&D PHV Sesha Talpa Sai. The program was followed by enlightening the participants with the purpose and importance of the seminar. The chief guest graced us with his valuable words. His inaugural address shed light on the research opportunities available for young research scholars and PG students. The program marked its conclusion by 11:00 a.m.

Day 1: 2nd November 2023

The first session and second session was engaged by **Dr. K. Venkateshwara Rao, NIT Warangal**. He spoke on the history, basics, and principles of Application of Deep Learning. Also, he discussed on the concept of Deep Learning and different techniques from the implementation perspective.

The third session was engaged by **Dr Garimella Rama Murthy, Mahindra University, Hyderabad**. He explained the role of Deep Learning in Network Traffic Analysis. He also discussed about technical aspects related to traditional and future networking traffic.

Day 2: 3rd November 2023

The first session and second was engaged by **Dr. K. Nagaraju IITDM, Kurnool, Andhra Pradesh**. He highlighted on the combined values of Deep Learning and Cyber Security in the financial, supply chain management and health sectors.

The third session was engaged by **Mr. Krishana Chaitanya, CEO, CYCOPS, Hyderabad**. He talked about research avenues in Deep Learning and some of the existing applications e-commerce and health informatics of Deep Learning and real-world applications of Deep Learning in Cyber Security.

Day 3: 4th November 2023

First session and Second session was engaged by **Dr. V. Ravi, Professor, IDRBT, Hyderabad**. He discussed about deep learning applications in the field of health informatics and cyber-attacks, types of cyber-attacks, the solutions derived using the Deep Learning and techniques.

Outcomes of the seminar

Deep Learning and Cyber Security and its allied fields were introduced to the participants. Faculty members, research experts, and students who attended this seminar learned how to use Machine Learning, Deep Learning and Cyber Security to design and develop expert systems. They also learned how to define a new problem, create, model, analyze, evaluate, and report a solution of Deep Learning and Cyber Security.

Valedictory Session

On Saturday, November 4th, 2023, at 3:30 p.m., valedictory function for the seminar programme was held. Dr. VSK Reddy, Director, MRCET graced the occasion, which was presided over by our honorable principal Dr. S. Srinivasa Rao. Dr. VSK Reddy talked on “Deep Learning and Cyber Security” and its importance in the current trends. He highlighted on the growth and opportunities in the field Cyber Security. Followed by his talk, certificates were distributed to participants.

(Convener Signature)

Media Coverage

సాక్షి

డీప్ లెర్నింగ్ ఇన్ సైబర్ సెక్యూరిటీపై జాతీయ సదస్సు



సుభాష్ నగర్: వైసమ్యగూడలోని మల్లారెడ్డి కాలేజ్ ఆఫ్ ఇంజనీరింగ్-టిక్కాలజీ కళాశాల కంప్యూటర్ సైన్స్ విభాగం ఆధ్వర్యంలో మంగళవారం సెర్ప్ ఇండియా సహకారంతో ఆప్టికేషన్స్ ఆఫ్ డీప్ లెర్నింగ్ ఇన్ సైబర్ సెక్యూరిటీపై మూడు రోజుల జాతీయ సదస్సు జరిగింది. ఈ కార్యక్రమానికి డాక్టర్ వెంకటేశ్వరరావు ముఖ్యఅతిథిగా హాజరై మాట్లాడారు. డీప్ లెర్నింగ్, మిషన్ లెర్నింగ్ ప్రాముఖ్యతను తెలియజేశారు. ఐటీ ప్రముఖులు పాల్గొని సదస్సు ముఖ్య ఉద్దేశమైన సైబర్ సెక్యూరిటీ, దాని ప్రధాన అవశ్యకతను వివరించారు.

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Source : <https://epaper.sakshi.com/>

Participation Information:

S. No	Participation in the event	Nos.
I.	Key-not speakers	5
II.	Senior Scientist	2
III.	Young Scientist	3
IV.	Postgraduate Students and Research Scholars	27
V.	Faculty Members	52
VI.	Industry persons	7
VII.	Other category (Please specify each category)	

Photographs Section: Please paste high resolution photographs in given spaces below or may be submitted directly on online / email in JPEG format.

Inaugural Session



NOTE- CONSOLIDATED REPORT OF THE APPROVED EVENT MAY BE SUBMITTED ONLINE / EMAIL WITH HIGH RESOLUTION PHOTOGRAPHS PASTED IN THE REPORT OR SUBMITTED DIRECTLY IN JPEG FORMAT.

Valedictory Session



(Convener Signature)

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