



MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE

(UGC-AUTONOMOUS INSTITUTION)

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Affiliated to JNTUA, Ananthapuramu & Approved by AIVTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2022 - Band: 251 - 300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA

Report on ACM sponsored International Colloquium Distinguished Speaker Programme Organized by Department of Computer Science & Technology on Deep Learning for Software Engineering 27-06-2023

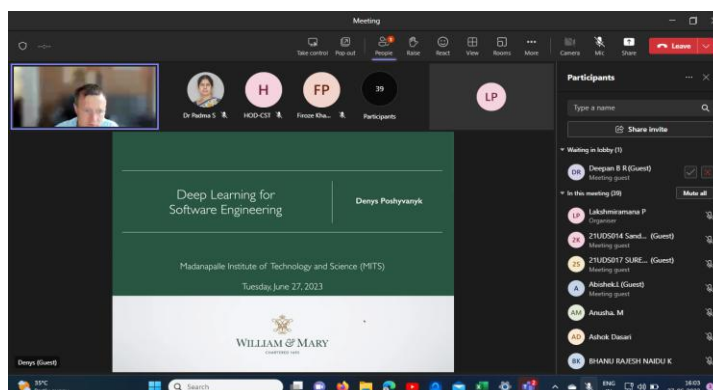


Submitted by Mr. P Lakshmiramana, Assistant Professor, Department of Computer Science & Technology

Coordinator: Dr. S Padma, Assistant Professor
Co- Coordinator: Mr. P Lakshmiramana, Assistant Professor
Total Number of Participants: 94 (Includes International Participants)

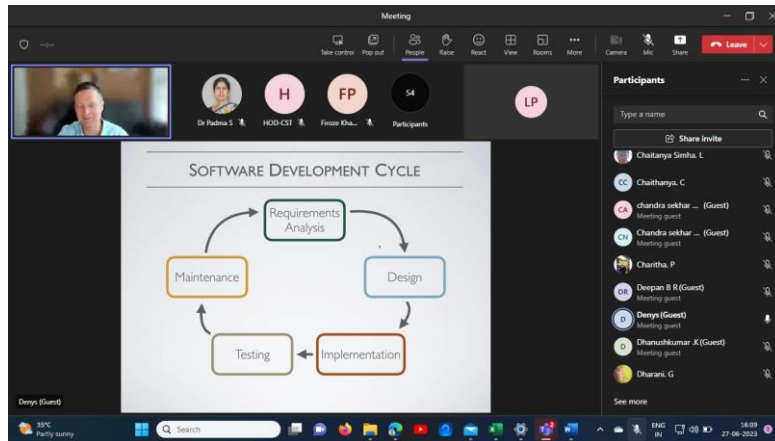
Mode of Delivery: Online Mode through Microsoft Teams

The Programme started at 4 PM with a welcome address by Dr M Sreedevi, Professor and Head of the Department of Computer Science & Engineering, MITS. The presidential address was delivered by Dr P Ramanathan, Vice Principal Academics, MITS. Dr S Padma highlighted the details of the ACM Colloquium. The Speaker of the day Prof. Denys Poshyvanyk, Chancellor Professor and Graduate Director, William & Mary, Virginia, was introduced by Mr P Lakshmiramana. Then the session was taken over by the chief guest.

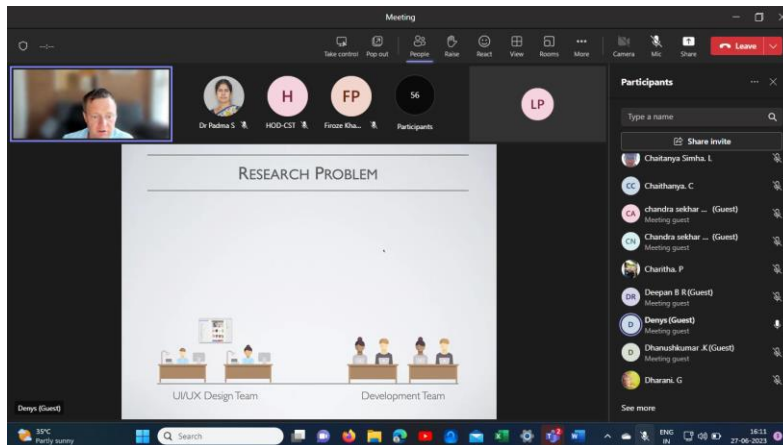


Topic: Deep Learning for Software Engineering.

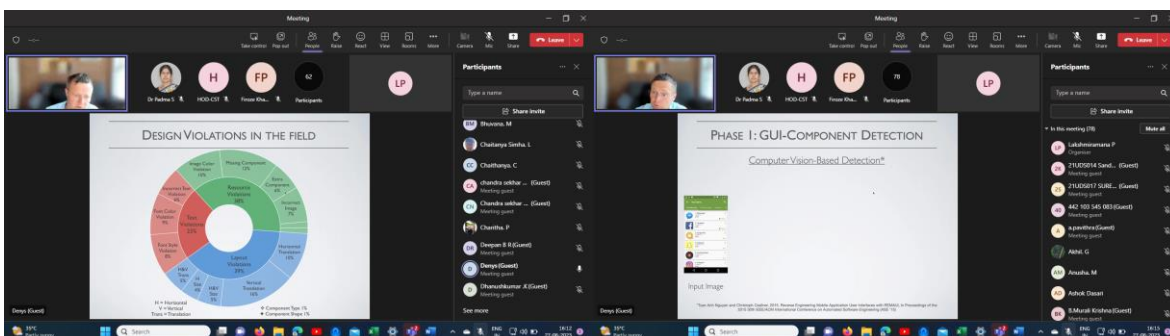
The resource person started the session by extended his thanks to the Management, Principal, HoD, Organizers. He started what is Deep Learning and its applications in various fields, later he explained the complexities involved Software Development Life cycle (SDLC). The distinguished speaker explained how Deep Learning concepts can be used in various phases of SDLC.



By taking simple real-world problem of the “Interaction between UI/UX Design Team and Development Team”, he explained the problems that are associated with traditional methods and how Deep Learning techniques will overcome these problems.



The Speaker explained the statistics of the design violations in the GUI Design and how Deep learning concepts will overcome these violations. By using deep learning concepts, we can develop an efficient GUI from the existing systems with minimal resources.



He concluded the Session with various tools that can generate the code for various UI/UX projects. The session was concluded by the Questionnaire by the participants. This session has helped the participants to think and apply various Deep Learning techniques for Software Engineering.