# MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
## (UGC-AUTONOMOUS)
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NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH), MBA & MCA

**◆IEEE**

# A Guest-Lecture Report
on
## " MODULAR CNN'S FOR WEAK ENVIRONMENTS "
Organized by
# School of Computers
on the occasion of
## IEEE DAY CELEBRATIONS
### October 14th 2022

**Organized in association with**: IEEE STUDENT BRANCH, MITS (STB64791)

**Participants Attended:** 150

**Report Submitted by:** Dr. G.N. Vivekananda, SMIEEE, Associate Professor, Dept. of CSE



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

**◆IEEE**
Student Chapter - MITS Madanapalle

Organizing
### Guest Lecture on
## "Leveraging Technology for a Better Tomorrow"
On the Occasion of
## Institute of Electrical and Electronics Engineers Day Celebrations
14th October 2022
1:00PM-2:30PM(IST)

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Dr. K. Chokkanathan
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**Co-ordinators**

Dr.G. N. Vivekananda,
Associate Professor,
IEEE coordinator,
Senior IEEE member,
Dept. Of CSE, MITS

Mr. Koppisetti Giridhar,
Assistant Professor,
IEEE coordinator
Dept. Of CST, MITS

Mr. KVVS Trinadh Naidu
Assistant Professor,
IEEE coordinator
Dept. Of AI&DS, MITS

**Resource Person**

## Prof. ZHAO Qiangfu

Vice Chairperson of the Board of Executives ,
Dean of Graduate School of Computer Science and Engineering,
Professor at the System Intelligence Laboratory,
IEEE SMCS, IEEE CIS, IEEE CS, IEICE, IPSJ, SICE, INNS, JNNS, SOFT.
University of Aizu
Japan

The program started at 1:00 PM with a welcome address to all the participants by Dr. Goutam Chakraborty, Distinguished Professor & Dean of CSE, MITS, Madanapalle. He introduced the resource person Prof. ZHAO Qiangfu, Vice Chairperson of the Board of Executives, Dean of Graduate School of Computer Science and Engineering, Professor in Computer Science Division, University of Aizu, Japan.

The resource person joined the session virtually to share his knowledge and experience in " Modular CNNs for Weak Environments".

Prof. Zhao delivered his talk on some of the topics related to modular neural networks such as Basic Modular Neural Network, Modular selective network general consideration, round robin-based task decomposition, Module training. And also explained about the Experimental results for c10 -->Effect of KD comparison with state of the art. He also deliberated the Experimental Results for tiny magnet, and spoke about making the inference and training more efficient. He also discussed some topics for the future works. The participants queries were answered by the resource person. The session was concluded successfully followed by a vote of thanks by Prof. Goutam Chakraborthy.

**Signature of the Coordinator**                    **Signature of HoD, CSE**