VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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DEPARTMENT OF COMPUTER SCIENCES ENGINEERING

VMTW/CSE/CIR/2019-20/II/01

Date: 27/03/2020

CIRCULAR

All the faculty and students are here by informed that department of CSE is organizing a seminar on "Artificial Intelligence in Research and Development " on 1st March 2020 for III B Tech CSE students. All students are requested to assembly by 10:00am at seminar hall.

COORDINATOR

HOD

Head of The Department
Computer Science and Engineering
Vignan's Institute of Management & Technology
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri
Telangana State

Copy to: Principal for information.

1. All Deans, HODs, Staff

2. IQAC

3. All Classrooms

4. All Notice Board

5. File

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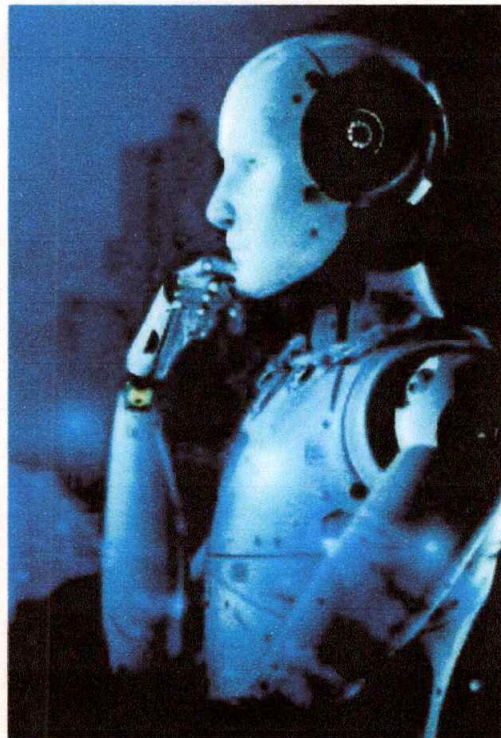
ORGANIZING

A SEMINAR ON

ARTIFICIAL INTELLIGENCE IN R & D

1ST MARCH, 2020 @ SEMINAR HALL

Resource Person:
Dr. K. Vamshi Krishna,
Associate Professor,
SMSK, Hyderabad.

Chief Patron:
Dr. Lavu Rathaiah,
Chairman, Vignan Group.

Patron:
Mr. B. Shravan,
CEO, Vignan Group.

Co-Patron:
Dr. K. Chandra Shekar,
Principal, VMTW.

Advisor:
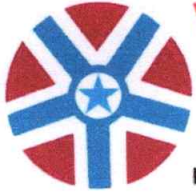Mrs. V. Indrani,
Associate Professor & HOD,
Dept. of CSE.

Co-Ordinator:
Mr. B. Phijik,
Assistant Professor, CSE.
Cell: +91 96529 10002

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

03-03-2020

Report on "Artificial Intelligence in Research and Development"

Event Type	: Seminar
Date/Duration	: 01-03-2020
Resource Person	: Dr.K.Vamshi Krishna
	Assoc. Professor, SMSK, Hyderabad
	Email: vamshik825@smsk.ac.in
Name of Coordinator	: Mr S.Dillibabu
Target Audience	: III B Tech CSE Students.
Total No. of Participants	: 94

Dr.K.Vamshi Krishna

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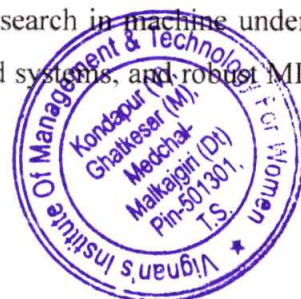
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Objective of the Event

The Objective of this seminar is to make use of Artificial Intelligence and to make the students to get familiarize, how AI ruling the world. With an intent to tell the students about the scope of AI in the current day technological advancements. It's a behaviour of machines which is apparently intelligent. It is also known as study of intelligent agents: any device that perceives its environment and takes actions that maximize its chance of success at some goal. "Learning" & "Problem solving" are the capability of an artificially intelligent machine. The whole study related to Artificial intelligence concern about the beneficiary and safety features of the system associated. While developing an algorithm for AI the risk management is mandatory. With our AI workshop program one can easily get a kick start in this particular field of technology.

Outcomes of the Event:

After completion of the Seminar on **"Artificial Intelligence in Research and development"**, the students are expected to: Researchers use AI-based algorithms to search databases of molecules and find effective molecules with desired properties. Such an algorithm may be able to search databases of millions of molecules in a fraction of the time it would take an expert scientist

Creating a technological foundation for trustworthy AI technologies, especially trustworthy machine learning (ML) technologies. Modern AI and ML systems are currently brittle, can have unexpected behaviors that are unsafe, and present new software security risks. Despite these challenges, modern ML capabilities will be increasingly woven into our society, economy, and global military systems in the years ahead. We can look to past decades for a powerful lesson on what happens when security is not sufficiently prioritized: security was not a leading concern during the creation of information technology infrastructure, and today we face recurring cybersecurity challenges as a result. We must approach AI technologies differently, focusing on security early and broadly. To that end, we will grow our work substantially in AI security, safety, and resilience – and invest to mature AI engineering as a discipline. Our focus will particularly include trustworthy AI decision-making, basic research in machine understanding, secure use of AI technologies as part of larger integrated systems, and robust ML methods. This work will also provide a

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foundation for AI applications that continue to preserve human accountability in military operations.

- Understand Artificial Intelligence in broader range
- Understand how AI Applications are solving the current day problems
- Analyze the real world problems where AI could be applied.
- This workshop will be give an overview of many concepts, techniques, and algorithms in machine learning, beginning with topics such as classification and linear regression and ending up with more recent topics such as working with neural network, network training and adaptive training etc.

Feedback/Suggestions:

- More number of Seminars on similar advanced technologies
- Nice delivery of content made me to stick to entire session to listen. Nice one.
- One day is insufficient to learn both the complete concepts

Coordinator

Head Of Department

Head of The Department
Computer Science and Engineering
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