

About the Seminar

Linear Algebra is a branch of Mathematics, and the mainstay of almost all the areas of Mathematics. Linear Algebra is the foundation of Machine Learning- from the notations used in describing the algorithm to the implementation of the algorithm itself.

Artificial Intelligence is not magic, it is just mathematics. It depends on innovative, futuristic and revolutionary mind, well versed in Linear Algebra. Linear Algebra incorporates the inputs on learning issues.

The Seminar aims at familiarising young engineers and teaching faculty from Institutions of Engineering and Technology with the upcoming fields of Machine Learning, Artificial Intelligence and Data Science and the role of Linear Algebra in their study.

Resource Person:

Resource person is an expert from IIT Hyderabad.

Target Audience:

Open for the students and faculty of all disciplines.

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One Day Seminar
on

“Mathematics behind Machine Learning”

(On the occasion of Srinivasa Ramanujan's Birth Anniversary)

22 December 2022

Organized
by
Department of Mathematics and Humanities



1997 - 2022

Under the aegis of

Mahatma Gandhi Institute of Technology

(Autonomous)

Gandipet, Hyderabad – 500 075 Telangana, India

www.mgit.ac.in

About MGIT

Mahatma Gandhi Institute of Technology (MGIT) was established by the Chaitanya Bharathi Educational Society (CBES) in a serene and tranquil atmosphere at Gandipet, Hyderabad and has grown rapidly since its inception in 1997. The lush green campus of MGIT is spread over 30 acres of pleasant landscape with a constructed area of 2,50,787 sq.ft. Further, MGIT is celebrating its silver jubilee (1997-2022) in the year 2022.

MGIT is affiliated to Jawaharlal Nehru Technological University, Hyderabad. The institute has recently received accreditation for 4 years for all 6 B Tech Programs from National Board of Accreditation, New Delhi. The institute is also accredited by NAAC with an 'A' grade. In a recent development, MGIT has attained the Autonomous status by the University Grants Commission (UGC), New Delhi.

The college offers courses in 11 Undergraduate Programs (Computer Science, Information Technology, Electrical & Electronics, Electronics & Communication, Mechatronics, Metallurgical & Materials Engineering, Civil Engineering and Mechanical Engineering, Computer Science and Business System, Computer Science and Engineering (Artificial Intelligence and Machine Learning) and Computer Science and Engineering (Data Science) and 7 PG program (Computer Aided structural Engineering, Mechatronics, DE & EC, AI, DS, Embedded Systems). Brilliant and Meritorious candidates seek admission into MGIT, through an annual competitive examination called EAMCET.

For the last three years, about 75-80% of our students have been successfully placed through college placement cell. Many of our alumni have opted to pursue higher education and are now well settled in different parts of the world in coveted positions.

The Department of M&H

The department of Mathematics and Humanities (M&H) was established in 1997 with a focus to support and cater to the academic and professional needs of the core engineering departments in the areas of Mathematics, English and Management Science.

A full complement of 24 highly qualified, competent and experienced members of faculty impart quality education in their respective subjects to the students of engineering so as to enable them to have a wider and deeper understanding of the role and application of Mathematics, English language and communication skills and managerial acumen, necessary for a professional.

The faculty of Management Science and English extends support to Entrepreneur Development Cell (EDC), Career Guidance Cell (CGC) and Placement and Training Cell (TPC) of MGIT, creating awareness and providing opportunities for necessary guidance and skill training required for entrepreneurship, overseas higher education opportunities and employability.



Guest Speaker:

Prof. Subrahmanya Sastry Challa, IIT, Hyderabad.