

**THREE DAYS NATIONAL WORKSHOP
FOR FACULTY
ON
ARTIFICIAL INTELLIGENCE, MACHINE
LEARNING AND DEEP LEARNING
(18th to 20th November 2019)**

Sponsored By



सत्यमेव जयते

**Govt. of India
Department of Science & Technology
Ministry of Science and Technology**

**Under ICPS Division
Organized By**



GATES INSTITUTE OF TECHNOLOGY

(Approved by A.I.C.T.E. & Affiliated to JNTUA)

Accredited by **NAAC** with '**B++**' Grade

N.H.44, Gootyanantapuram (Village)

Peddavadugur (M), Gooty - 515 401,

Anantapuram (Dist),

Andhra Pradesh, India.

Website: www.gatesit.ac.in

About the Institution:

G.Raghunatha Reddy Educational Trust was established in the year 2000 by like-minded professionals and NRIs who wanted to contribute to the growth of the region to which they belong. GATES Institute of Technology started in the year 2001 has brought technical education to the door steps of this drought prone Rayalaseema region and enhancing the employability of the rural youth. Gates Institute of Technology is permanently affiliated to JNTUA & approved by AICTE, New Delhi. GATES Institute of Technology, since its inception has emerged as a boon to the students interested in pursuing higher education. The college provides meaningful education and research at all levels to match the global standards.

A NAAC accredited Institution with B++ in the year 2018, with the highly qualified & motivated staff supported by wonderful infrastructure makes GATES stand apart, with aspiring green campus spread over 25.33 acres. The Institute has well stacked library, e-learning seminar halls and world class computer labs.

Entire Institute energy needs are met by the solar power. GATES is the only college in South India driven by "Green Power".

Our Institute has an MOA with Florida Atlantic University, USA and in association with FAU; USA, we conducted a real time hackthon for 18 hours (both Indian & USA students). To further enhance entrepreneurial skills, GIT has signed MOA with Atal incubation center, S.K University Anantapur. GIT also has "Gates innovation center" to facilitate and crystallize student ideas including prototype modeling and development.

Objectives of the Workshop:

The primary objective of the AI-ML&DL workshop is to provide participants with understanding of various methodologies, techniques and tools related to Artificial Intelligence and Machine Learning. The AI-ML&DL workshop will bring together experts from various domains to explore the current state of the art applications in Artificial Intelligence and Machine Learning, approaches for developing Artificial Intelligence and Machine Learning technologies for various domains such as Network Security, Computer Vision, Speech Processing etc. The hands on session of the workshop will cover the following topics:

- Application of AI & ML tools to build and evaluate predictors.
- Application of ML algorithms like Regression, k-Nearest neighbors, SVMs,
- Decision Trees, Neural Networks , Ensemble methods etc. to search for patterns in data.
- Data cleaning and preprocessing.
- Dimensionality reduction techniques namely PCA and auto-encoder.
- Application of CNNs for computer vision problems.
- Generative Adversarial Networks (GANs) and Auto Encoders
- Modeling and deployment of AI and AL based applications in real time

Resource Persons:

Resource Persons for the workshop are from NIT/IITs and leading senior executive industry experts both nationally and internationally.

1. Who should attend?

- a. Faculty from Engineering / Technology / Diploma Institutes / Management/ Research scholars/SRF/JRF and Other.
- b. Maximum No. of participants: 50 (Selection based on first come first served).
- c. Preference shall be given to candidates belonging to SC/ST Category.

2. Registration fee & Accommodation:

- a. Registration fee (refundable) Rs.1000/-
 - b. Free Accommodation provided.
 - c. TA shall be reimbursed as per norms.
 - d. The participants shall be given workshop kit/working lunch/Dinner on all days of the workshop.
- Only Selected candidates will be intimated to bring the Demand Draft/Cash on the favor of “Principal, Gates Institute of Technology, Gooty”. This amount shall be refunded to the candidates on successful completion of three day workshop.

How to apply

- Online application form is available at www.gatesit.ac.in
- Applications are accepted through online only.
- **Last date for registration:09th -November-2019**

Organizing Committee:

Chief Patron:

Dr.Thomas S.Reddy, Chairman, GATESIT.

Patrons:

Smt.V.K .Padmavatamma-Correspondent, GATESIT.

Sri.G.Raghunath Reddy- Managing Director, GATESIT.

Smt.V.K.Srivani-Director, GATESIT.

Co-Patron:

Dr.P.Bhaskar-Principal, GATESIT.

Convener:

Dr.V.Ramesh Naik, Assoc. Prof, DMS, GATESIT.

+91 7396715596.

Coordinators:

Mr.J.Raghunath, Asst. Prof, CSE, GATESIT,(Ph:+91 9491217942).

Ms. P.Vasanthi, Asst. Prof, CSE, GATESIT,(Ph:+91 9505334236).

How to reach:

There are 6 direct trains daily from Anantapur to Gooty. These trains are Karnataka Exp (12627), Kacheguda Exp (12786), Prasanthi Exp (18464), Yesvantpur Exp (17604), SBC Nanded Exp (16594) etc.

The minimum time a train takes to reach Gooty from Anantapur is 0h 49m. There are number of Buses from Anantapur to Gooty(Journey time 01 hour).

Route Map:

