About University

Madan Mohan Malaviya University of Technology, Gorakhpur has been established in the year 2013 by the Government of Uttar Pradesh in the form of a non-affiliating Technical University after reconstituting the Madan Mohan Malaviya Engineering College, Gorakhpur which was established in 1962. The University offers seven undergraduate programs in the disciplines of Civil, Chemical, Electrical, Mechanical, Electronics & Communication Engineering, Computer Science & Engineering and Information Technology along with twelve M.Tech programs in various specializations and also provide facilities for the Doctoral programs in all the academic departments.

About Gorakhpur

The Gorakhpur is well connected by air, road and rail to all major cities Lucknow (270KM), Varanasi (197KM) and Patna (220KM). Direct flights are also available from New Delhi to Gorakhpur. The MMM University of Technology is situated on Deoria road about 9 Km from Gorakhpur Junction and 5 Km from the Gorakhpur airport.

Organizing Committee

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Hon'ble Vice Chancellor
MMMUT Gorakhpur, India
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MMMUT Gorakhpur, India
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Dr. Shekhar Yadav
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Student Members

Ms Tripti Tripathi, PhD Student
Ms Sweta Singh, PhD Student
Ms Vidya Srivastava, PhD Student
Ms Anupama Mishra, PhD Student
Mr A K Patel, Gest Faculty (On Contract)
Mr Ashok Kumar Rai, PhD Student

One Week Faculty Development Program On

Artificial Intelligence using Tensor Flow (AITF-2022)

(Sponsored by AICTE-MMMUT MoU Activities)

November 21-25, 2022

Conveners

Prof. Rakesh Kumar
Professor
&
Sri. Sushil Kumar Saroj
Assistant Professor
MMMUT Gorakhpur, India

Organized by

**Department of Computer Science and Engineering
Madan Mohan Malaviya University of Technology
Gorakhpur- U.P-273010**

(NAAC A-Grade State University) INDIA

About AITF-2022

The Department of Computer Science and Engineering is organizing One Week Faculty Development Program on **Artificial Intelligence using Tensor Flow (AITF-2022).** The Course is designed for Faculty Members, and Research Scholars from AICTE approved institutions. The course has been designed to cover both theoretical as well as the practical concepts in the artificial intelligence using tensor-flow along with the tools and simulators useful for the participants for their Projects and Research Work.

Contents of the Course

The Course provides in-depth coverage on possibly the following areas:

- **Introduction To Python**
- **Python AI Modules and Packages**
- **TensorFlow developer skills**
- **Create ML models using TensorFlow**
- **Building and training Neural network Models**
- **Define Convolutional neural networks with Conv2D and pooling layers**
- **Use image augmentation to prevent overfitting**
- **Natural language processing (NLP)**
- **Use RNNS, LSTMs, GRUs and CNNs in models that work with text**

Course Duration

One Week (November 21 - 25, 2022)

Eligibility Criteria

The program targets Faculty members and Research Scholars of **AICTE approved Institutions**. Limited to 50 participants on first come first served basis.

Registration Fee

There is no registration fee.

Registration & Address for Communication

The applicants are requested to get themselves registered through the following link:

https://forms.gle/mhmDJZzjdYU9KbC37

For any further query, contact at:

email: **aitf.mmmut2022@gmail.com**

Mobile no. 9235500529/8765783676

Important Dates

Last Date to Apply: November15, 2022

Note: All the participants from AICTE approved Institutions will be provided TA (Non-AC sleeper class with max 300 KM) and Hostel accommodation (depending upon the availability) including Breakfast, Lunch, and Dinner.

One Week Faculty Development Program On
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Application Form

1. Name (block letter): ....

2. Designation & pay scale: ....

3. Organization: ....

4. Address for communication: ....

....

Pin code: .... Mob. No. ....

E-mail: ....

5. Highest Academic Qualification: ....

6. Specialization: ....

7. Experience (in years):

(a)Teaching: ....

(b)Industrial: ....

8. Amount of TA required as per entitlement mentioned in the brochure (only for AICTE approved college teachers):..............................

Please register me for the course **One Week Faculty Development Program On** Artificial Intelligence using Tensor Flow (AITF-2022) held at MMMUT, Gorakhpur

Place:

Date: Applicant's Signature

Seal and Signature of Head of Institution

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Madan Mohan Malaviya University of Technology, Gorakhpur

Tentative Program Schedule

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Date	10.00 -12.00	12:00-14:00	14:00-15:00	15:00-17:00
21/11/2022	Inauguration and Keynote address	Introduction To Python		Python AI Modules and Packages (Lecture by Industry Expert)
22/11/2022	Tensor Flow Introduction	Tensor Flow developer skills	LUNCH-BREAK	Tensorflow API, Create ML models using TensorFlow
23/11/2022	Building and training Neural network Models	Build sequential models with multiple layers		Uses of pretrained models (transfer learning)
24/11/2022	Image classification	Image classification		Understand how ImageDataGenerator labels images based on the directory structure
25/11/2022	Use of RNNS, LSTMs, GRUs and CNNs in models	Natural language processing (NLP)		Assessment and Valedictory Closing Ceremony Followed by Test and Feedback

- Tea Break of 5 minutes (11:50 AM to 12:00 Noon)
- All the sessions include both conceptual and practical sessions.

List of Speakers:

- Eminent speakers from Industry and Academia