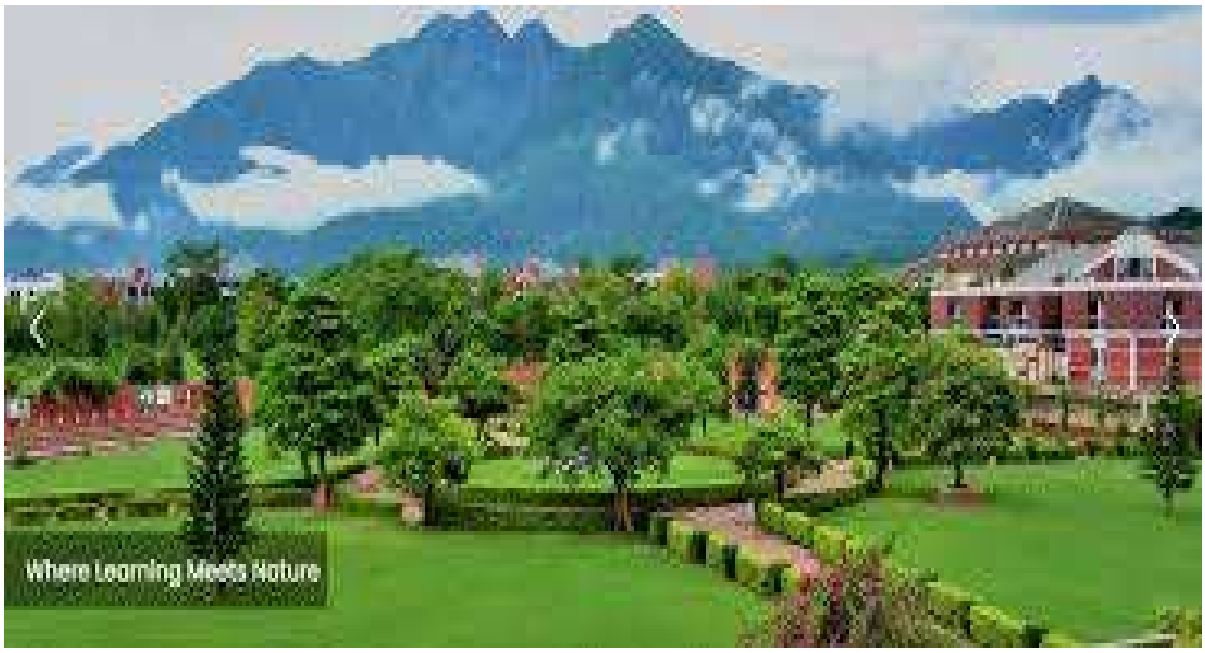
2 Weeks (12 Days)
Refresher Course in Emerging Technologies
17th February -01st March 2025



Organized By
Malaviya Mission Teacher Training Centre (MMTTC)
Shri Mata Vaishno Devi University
Kakryal, Katra-182 320
Jammu and Kashmir, India

OVERVIEW:

Technology and its applications are evolving faster than expected. The new frontier in STEM requires continual exposure and understanding of the concepts to remain relevant in the area concerned. The refresher program is designed to ensure that all faculty members from technical as well as non-technical research areas are exposed to the terms and terminology of emerging technologies. The course tries to establish a general understanding of what emerging technologies are and may be in the future, providing an overview of the impact, applications, and implications of emerging technologies.

OBJECTIVE OF THE REFRESHER COURSE

The objectives of a refresher course in emerging technologies include:

1. **Understanding emerging technologies:** Learning about the technologies, their applications, and how they work together
2. **Appreciating the limitations**: Gaining an understanding of the limitations of new technologies developing critical analysis,
3. **Improving communication:** Being able to analyze the opportunities, challenges, and implications of emerging technologies
4. **Reducing the impact of the forgetting curve:** Reducing the impact of the forgetting curve on an organization's time, resources, and bottom line

TENTATIVE TOPICS TO BE COVERED

1. Emerging Technologies
2. Machine Learning for Common People
3. Generative AI with Responsibilities
4. IoT Adoption and Challenges
5. SDG and BRSR for Corporates
6. Digital Transformation and Industry4.0
7. Critical Thinking / Mental Models
8. Mind Mapping
9. Business Canvas
10. Innovation and its Future Prospects: (Intellectual Property Rights- with the current scenario)
11. Introduction to MATLAB
12. MATLAB for Basic Computation
13. MATLAB Plotting Tools
14. Mathematical Modeling with MATLAB
15. Statistical Analysis of Data.
16. Working with Time Series Data
17. Onramp certification for MATLAB, Symbolic, Curve fitting and Machine learning.

PEDAGOGY:

The sessions of this refresher course shall be conducted by a team of academicians and industry experts . It will consist of a series of lectures and hands-on/on-ramp practical sessions.

DURATION:

The refresher course is a 12 Days (Two Weeks) program scheduled from 17th February-01st March 2025 and will be conducted in four sessions from 9.30 am to 5.30 pm daily. Limited accommodation for outside participants is available on a first come first basis. The participants may have detailed shared accommodation on a payment basis near the University campus.

TARGET PARTICIPANTS:

The target participants are:

- Faculty members in Colleges, Institutions and Universities
- Priority shall be given to faculty from Business/Economics/ Commerce /Arts/Sciences/Engineering faculty respectively.

Prerequisite: None

HOW TO APPLY

Interested faculty members are requested to send his/her mail with a recent CV to the link below before 30th January 2025 .

Click to apply: - https://forms.gle/EVfscvDZppc7Ykiu5

NUMBER OF PARTICIPANTS

Maximum of 40 participants will be shortlisted for this program. The committee will select the participants based on their research topic, and Curriculum Vitae. The committee's decision on the selection of the participants and count is final and binding. **Permission/Nomination/No Objection letter on institute letter pad duly signed by respective competent authority must be submitted at the time of registration or latest by 3rd Feb 2025 5:00 pm** to become eligible for receiving STP certificate.

REGISTRATION FEE:

No Registration fee for attending this refresher course.

CERTIFICATE

The participants will be provided with certificates on successful completion of the programme. **Attendance is must** in all sessions including Onramp certification/Hands-on sessions. Along with attendance one needs to **submit all hands-on certificates** to become eligible for certification. The decision of the committee is final in this regard.

Contact for information.

Email:- amit.pandit@smvdu.ac.in

ORGANISING COMMITTEE

Prof. Pragati Kumar Hon'ble Vice Chancellor, SMVD University	Patron
Shri Ajay Kumar Sharma Registrar, SMVD University	Co-Patron
Prof. Supran Kumar Sharma Professor, Schol of Business, SMVDU	Director, MMTTC
Prof Amit kant Pandit Professor, School of Electronics and Communication Engineering, SMVDU	Coordinator
Dr. Pabitra Kumar Jena Associate Professor, School of Economics, SMVDU	Co-Coordinator
Dr. Kamaldeep Assistant Professor School of Electrical Engineering, SMVDU	Co-Coordinator