

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Bhopal

Accredited with 'A' grade by NAAC



Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), accredited with 'A' grade by NAAC, established in the year 1998 is truly a picture of modernization offering learner-centric programs in Engineering, Pharmacy, and Architecture & Management. University is sprawled over a vast campus of 241.4 acres, marching towards development into a center of excellence in the arena of Technical Education, Research and Innovations. Under its umbrella there are 05 UTD's, 188 affiliated Engineering Colleges, 69 Pharmacy Colleges, 25 MCA Colleges and 05 Architecture colleges imparting Graduate level instructions running 23 under graduate level courses & 84 post graduate level courses. Situated amidst an aesthetic and hilly surrounding, the University is also offering Ph.D. in eight faculties.

The main focus of University is on research and development, industrial consultancy and establishing efficient & effective mechanisms for managing innovations.

RGPV has been selected by Ministry of Human Resource Development (MHRD) as one of the Affiliating Technical Universities (ATUs) among ten across the country for receiving TEQIP-III grant.

Chief Patron

- Prof. Sunil Kumar
Hon'ble Vice Chancellor, RGPV

Patron

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Registrar, RGPV
- Prof. R.S Rajput
Director, UIT-RGPV

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- Prof. Mukesh Pandey, UTD-RGPV
- Prof. S.C. Choubey, TEQIP Coordinator
- Prof. Sanjay Agrawal, NITTTR, Bhopal
- Prof. Sanjay Silakari, UIT-RGPV
- Prof. Ravindra Patel, UIT-RGPV
- Prof. Asmita Moghe, UIT-RGPV

Coordinator

- Prof. Sarita Bhaduria
SoIT, RGPV

Co-Coordinators

- Dr. Varsha Sharma, Assistant Prof.
SoIT, RGPV
- Prof. Yogendra P.S Maravi, Assistant Prof.
SoIT, RGPV
- Dr. Rajesh Shukla, Associate Prof.
SIRT, Bhopal

Organizing Committee

- Prof. Sanjeev Sharma, SoIT, RGPV
- Dr. Jitendra Agrawal, SoIT, RGPV
- Dr. Nishchol Mishra, SoIT, RGPV

Address for Correspondence

Mobile No: 9827546150, 7987766105, 9893192616
Email: soit@rgtu.net

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Bhopal (M.P) 462033

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**One Week
Faculty Development Programme
On**

"Recent Advances in Machine Learning"



(3rd - 7th October, 2018)

Under

TEQIP-3
Technical Education Quality Improvement Programme

Technically Supported by



Organized by



School of Information Technology

University Teaching Department

**Rajiv Gandhi Proudyogiki Vishwavidyalaya
(State Technological University of Madhya Pradesh)
Airport Road, Gandhi Nagar, Bhopal-462033**

Programme Objectives

The main objective of this faculty development programme is to up-grade the knowledge, research and teaching skills of engineering faculty in the area of Machine learning. Machine learning can be stated as the practice of applying algorithms to use data, learn from it & forecast the future trends. Machine learning algorithms are a set of techniques and heuristics that can be used to analyse data to improve business performance through fact based decision making. Machine learning is used in financial forecasting, search engines, image recognition, natural language processing, medical diagnosis, recommendation systems, classification and prediction for various systems etc. Machine learning once under research is now matured enough to lean into the curriculum of the engineering education. Engineering institutes in India are currently in the process of equipping the younger generation with knowledge and hands-on practice in Machine learning.

Training students to expertise them in Machine learning, also requires having highly talented and trained faculty in this area. This faculty development programme will enable the faculty members to apply Machine learning solutions to their research problems and also to become aware of the recent advances made in this research area.

The programme will be conducted by the faculty members from SoIT, RGPV. Academicians in the concerned field from IITs/NITs/IIITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course. Participants will be issued certificates on successful completion of this course.

Major Course Contents

- ❖ Fundamental theory of Machine learning
- ❖ Recent developments in Machine learning
- ❖ Theoretical and practical aspects of Machine learning algorithms
- ❖ Machine learning applications
- ❖ Hands-on practice of various tools

About School of Information Technology



The School of Information Technology (SoIT) at RGPV was established in 2002-03. SoIT offers M. Tech. in Computer Technology & Applications, Information Technology, Cyber Forensics and Data Science. These courses prepare young graduates to take state of art challenges as required by the industry and R & D organizations. Within a span of Sixteen years, the department has made a mark in ICT and Computing research especially in the area of Mobile Computing, Data Mining, Soft computing, Information Security, Image Processing and many more.

Registration and Accommodation

- ❖ Faculty members/Ph.D Scholars of RGPV and affiliated institutions can register for this FDP
- ❖ There is no fee for registration.
- ❖ Registration for maximum 40 seats will be done on first come first serve basis.
- ❖ Those who wish to attend the FDP are requested to fill the registration form and send a scanned copy of it at soit@rgtu.net on or before 22nd September 2018.
- ❖ Tea/Snacks and lunch will be provided free of cost during FDP.
- ❖ Accommodation will be made available for outstation participants on payment basis in RGPV campus if requested in advance.

Registration Form

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Bhopal**

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Under

TEQIP-III

1. Name:.....
2. Designation:.....
3. Institute:.....
4. Mobile No.:.....
5. Email Id:.....
6. Accommodation Required: Yes/No.....

Signature of Applicant with Date

Signature & Seal of Sponsoring Authority