

One Week  
FACULTY DEVELOPMENT PROGRAMME  
on

“Machine Intelligence and Deep Learning Techniques”

19th - 23rd November 2019

Under



Venue: Department of Computer Science and Engg.  
UIT-RGPV Bhopal (M.P.)

Registration Form

1. Name: \_\_\_\_\_
2. Designation: \_\_\_\_\_
3. Organization: \_\_\_\_\_
4. Phone No: \_\_\_\_\_
5. Email- id : \_\_\_\_\_

Signature of Applicant with Date  
(Sponsoring Authority)

Seal and sign

Note: PDF of filled form have send on given email id:  
csefdp2019@gmail.com

Eligibility: Teachers from Institutions, affiliated with RGPV of  
disciplines IT / CSE /EC/MCA are only eligible to apply.

Registration and Accommodation:

Registration is free of cost.

Participants are requested to fill and send the registration form to the coordinators. Once the  
registration is confirmed, the details will be mailed to the participants

Suitably furnished accommodation will be made available, if requested in advance, in the  
hostels/guest houses of the RGPV on payment basis as per institute norms for out stationed  
candidates on single/twin sharing basis.

Registration will be done on first come first served basis to a maximum of 40 seats.

Tea/Snacks and lunch will be provided free of cost on all days.

Interested persons should send their consent before 8 th Nov 2019.

Rajiv Gandhi  
Proudlyogiki  
Vishwavidyalaya  
Bhopal



Accredited with 'A' grade by NAAC

About Organizing Institute  
and Department

UIT-RGPV is one of the premier engineering institutions in Central India. The Institution was established in the year 1986 by the Government of Madhya Pradesh as the Government Engineering College (GEC), Bhopal. In 1998 the Government of Madhya Pradesh declared this institute autonomous and named it as Bhopal Engineering College. This Institution was declared a constituent college of Rajiv Gandhi Proudlyogiki Vishwavidyalaya (Technological University of the State of Madhya Pradesh) w.e.f. from July 2002 by an order of Govt. of Madhya Pradesh. It is currently known as University Institute of Technology and RGPV.

The Department of Computer Science and Engineering is the oldest department of the university, established about three decades back, in the year 1986 with an objective of imparting quality education to primarily fulfill the requirements of computerization of the country and for producing professionals of international standard having innovative edge and research aptitude. The Department offers an undergraduate engineering programme in Computer Science and engineering (BE CSE) with an intake of 132 students along with a postgraduate programs in Computer Science and engineering (ME CSE) with an intake of 18 students. Apart from this the department also offers Doctoral programme (PhD in CSE) in Computer Science and engineering. Since the foundation of this department, the direction of our teaching and research adheres to the orientation of the forefront of science and technology.

Rajiv Gandhi Proudlyogiki Vishwavidyalaya (RGPV), accredited with 'A' grade by NAAC, established in the year 1998 is truly a picture of modernization offering learner-centric programmes in Engineering, Pharmacy, Architecture and 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 and 84 post graduate level courses. Situated amidst an aesthetic and hilly surrounding, the University is also offering Ph.D. in eight faculties.

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. The main objective of Faculty Development Programme (FDP) is to improve quality and equity in engineering teachers in order to up-grade the knowledge, enhancing research and teaching skills.

#### CHIEF PATRON

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

#### PATRON

Prof. S. S. Kushwaha, Registrar, RGPV

#### ADVISORY COMMITTEE

Prof. R. S. Rajput, Director, UIT- RGPV  
 Prof. S. C. Choube, TEQIP III, Coordinator  
 Prof. S. S. Bhadauriya, Professor, UIT-RGPV  
 Prof. Mukesh Pandey, Professor, UTD-RGPV  
 Prof. Ravindra Patel, Professor, UIT-RGPV  
 Prof. Sanjeev Sharma, Professor, UTD-RGPV  
 Prof. Deepti Jain, Professor, UTD-RGPV  
 Prof. Archana Tiwari, Professor, UTD-RGPV  
 Prof. A.C. Tiwari, Professor, UIT-RGPV  
 Prof. Vinay Thapar, Professor, UIT-RGPV  
 Prof. Vineeta Nigam, Professor, UIT-RGPV  
 Prof. Asmita Moghe, Professor, UIT-RGPV

#### COORDINATORS

Prof. Sanjay Silakari, HoD, CSE, UIT-RGPV  
 Dr. Shikha Agrawal, Asst. Prof., CSE, UIT-RGPV

#### CO-COORDINATORS

Mr. Uday Chourasia, Asst. Prof., CSE, UIT-RGPV

#### ORGANISING COMMITTEE

Prof. Mahesh Motwani, Professor, DoCSE, UIT-RGPV  
 Mr Manish Ahirwar, Asst. Prof., DoCSE, UIT-RGPV  
 Dr Raju Baraskar, Asst. Prof., DoCSE, UIT-RGPV  
 Dr Rajeev Pandey, Asst. Prof., DoCSE, UIT-RGPV  
 Ms Anjana Jayant Deen, Asst. Prof., DoCSE, UIT-RGPV

#### CONTACT DETAILS

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 ( 9425431601 )

Prof. Uday Chourasia  
 ( 9407555787 )

Rajiv Gandhi Proudlyogiki Vishwavidyalaya  
 Bhopal (M.P.) 462033  
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one week  
**FACULTY DEVELOPMENT PROGRAMME**  
 on

## "Machine Intelligence and Deep Learning Techniques"

19th - 23rd November 2019

Under

**TEQIP-3**  
 Technical Education Quality Improvement Programme

Organized by

Department of Computer Science and Engineering  
 University Institute of Technology  
 Rajiv Gandhi Proudlyogiki Vishwavidyalaya,  
 (State Technological University)  
 Airport Bypass Road, Gandhi Nagar, Bhopal  
 Tel. 0755-2678876, Website: www.rgpv.ac.in

### Course Objective

Machine Intelligence is the area of computer science focusing on creating machines that can engage on behaviours that humans consider intelligent. The ability to create intelligent machines has intrigued humans since ancient times and today with the advent of the computer and 50 years of research into Artificial Intelligence (AI) programming techniques, the dream of smart machines is becoming a reality. This one week Faculty Development Program offers an expert views on availability of tools and techniques for Machine learning, Computational Intelligence & Deep Learning. Objective of this program is to provide comprehensive knowledge and hands-on training on Machine Intelligence starting from basics to the emerging techniques and their applications and to provide a forum to exchange views, ideas & the latest innovations in the field of Deep Learning and Machine learning. This training program proposes to build a strong faculty workforce in the area of Artificial Intelligence for motivating students towards this area. Trained faculty will nurture the talented youth in the campus to come out with new solutions for critical challenges in this domain. Department of Computer Science & Engineering has designed this program to support the kind of progressive teaching and learning that industry demands. This will also provide a common platform to the faculty members of RGPV affiliated engineering colleges to focus on exploring various research opportunities and challenges in these latest areas.

### Major Topics Likely to be covered:

1. Overview of Computational Intelligence Techniques
2. Machine Learning Concepts and Algorithms
3. Machine Learning and its applications
4. Recent Trends of Research in Machine Intelligence
5. An insight to Advance Artificial Neural Networks
6. Convolution Neural Network and its applications
7. Bio Inspire Optimization Techniques
8. Overview of Deep Learning Technique
9. Applications of Deep Learning Technique
10. Hands on using Python and Tensor Flow

