

**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 programmes in Engineering, Pharmacy, 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.

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.

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Hon'ble Vice Chancellor, RGPV

PATRON

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COORDINATORS

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2. Prof. Raju Barskar, Asst. Prof. CSE Dept, UIT-RGPV

CO-COORDINATORS

1. Prof. Uday Chourasia, Asst. Prof., CSE, UIT-RGPV
2. Dr. Shikha Agrawal, Asst. Prof., CSE, UIT-RGPV

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5. Prof. Praveen Yadav
6. Prof. Praveen Kaithal
7. Prof. Priyanka Dixit
8. Prof. Rohit Agrawal

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**Rajiv Gandhi Proudyogiki Vishwavidyalaya
Bhopal (M.P.) 462033**

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One Week

FACULTY DEVELOPMENT PROGRAMME

On

“Data Science and Big Data Analytics”

Under

TEQIP-III



24rd – 28th JULY 2018

Technically Sponsored by



Organized by



Venue:-

**Department of Computer Science & Engineering
University Institute of Technology
Rajiv Gandhi Proudyogiki Vishwavidyalaya,
(State Technological University)**

Airport Bypass Road, Gandhi Nagar, Bhopal
Tel. 0755-2678876, Website: www.rgpv.ac.in

Course Objective

Data doubles about every year, but unfortunately useful information seems to be decreasing. “Big Data” an emerging concept is now prospering in the field of analytics providing meaning full information as required. As the trained manpower in the field is very scarce looking to the present demand, hence this program has been primarily aimed to introduce the core concepts of data science and big data analytics to the teachers and practitioners working in academia and industry in order to highlight the prevalent technology and associated applications along with the research trends in this domain.

Major Topics Likely to be Covered:

- Basics and recent trends of Data science
- Data Science Models & Advanced Data Models
- Big data and High Dimensional Data Analysis
- Real world applications of Data Science
- Acquisition, representation, indexing, storage, and management of big data
- Visualization, analytics and organization for big data
- Introduction to the Map-Reduce framework and the Hadoop Ecosystem
- Hadoop Architecture and HDFS and Hadoop Cluster set up
- Models, algorithms, and methods for big data mining and understanding
- Hands-on session on R Programming
- Business models on Big Data applications
- Data Analytics Research Challenges
- Case Studies
- Tools: SPARK, Hive, PIG , Apache Spark & Apache Storm

About Organizing Institute & Department



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

Registration & 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 one/two/twin sharing basis.
- Registration will be done on first come first served basis to a maximum of 50 seats.
- Tea/Snacks and lunch will be provided free of cost on all days.
- Interested persons should send their consent before 30 June 2018.

Registration Form

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Bhopal

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

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:
dsbda.cse2018@gmail.com**