

**Rajiv Gandhi Proudyogiki Vishwavidyalaya
(RGPV), 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, Bhopal

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Hon'ble Chairman, MIT Group of Institutes, Ujjain

Mr. Aditya Vashishtha

Vice Chairman, MIT Group of Institutes, Ujjain

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Three days

Short Term Training Programme (STTP)

on

**"Computational Approaches in
Mechanical Engineering Education"**

(18th January – 20th January, 2019)

Organized by

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Under

TEQIP-III

at



Department of Mechanical Engineering

Mahakal Institute of Technology, Ujjain

Behind Air Strip, Dewas Road, Ujjain, MP - 456664

Phone: +91 734 4050900, 680, 861

Email: mahakalgroupujain@gmail.com

Website: <http://www.mituujain.ac.in>

Course Objective

Recent developments in Mechanical Engineering have been parallel by the development of the computers as an important tool to the practicing engineers. Rapidly enlarging capability of the computers has already enlarged the scope of practical and theoretical problem which confront the mechanical engineers. These necessitate the adequate exposure to the graduating mechanical engineering student about practical application of advance engineering software for numerically solving a wide variety of mechanical engineering problems.

The faculties and students are now needed to upgrade themselves about latest computational approaches being applied in present industrial applications. Most importantly, it would help students to develop skills to meet the requirement of contemporary complex working environment.

In line to this, three days Short Term Training Program (STTP) titled “**Computational Approaches in the Mechanical Engineering Education**” has been planned. This program would be an attempt to gather academicians, researchers, industry experts and students on a common platform to disseminate their knowledge. This STTP will encompass various Designing and Analysis software such as CFD, FEA, CIM, MATLAB, STPPA etc which are currently used by researchers and industry experts in encountering new challenges in Engineering Education and Training programs.

Course Contents

- CFD analysis and applications
- Software based designing & simulation
- CAE applications
- FEA in design & optimization
- Computational intelligence
- Computational thermal analysis
- Hydrodynamic simulation
- Production process simulation

About Organizing Institute & Department

Mahakal Institute of Technology, Ujjain was founded by Prasar Shikshan Evam Seva Sansthan (PSSS) in 2001 with the aim to transform young talent into competent and socially responsible professionals with a global vision. The institute is approved by All India Council of Technical Education (AICTE), New Delhi, affiliated to Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), Bhopal. At present, the Institute offers Bachelor's Degree courses in 06 disciplines of Engineering EC, IT, ME, CS, CE, EX and

Postgraduate's Degree courses in IT, DC and IE&M disciplines of Engineering.



The institute is a recognized Remote center of IIT-Bombay (NMEICT – MHRD). In a decade of its existence, the institute has achieved a prominent place amongst the top ranking engineering colleges of India. Our institute is known for its highly experienced and motivated faculty members, high end infrastructure which includes well equipped class rooms, laboratories, the state-of-art library, seminar hall, language lab and auditorium etc.

The mechanical engineering department offers B.E. (4 YDC) & PG(IE&M) program. The department comprises highly qualified and experienced faculty members along with several adjunct faculties from reputed academic and industry backgrounds, who are actively engaged in research. The department regularly organizes technical workshops, FDP and conferences for the faculty members and research scholars to expose them to emerging areas. The department has a sound placement record with top hiring companies including Ultratech, Triveni turbines, Khodiyar etc. Graduates of the department occupy top positions in both academia and industry all over the world.

Registration & Accommodation

- This short term training program is open for all the faculties and students of RGPV affiliated institutes.
- No registration charges.
- No TA / DA will be provided to the participants.
- Participants from outside will have to make their own boarding and lodging arrangements. Accommodation for outside participants may be made on payment basis.
- Selection will be based on first come first basis as the seats are limited.
- Last date for receiving completely filled registration form is 15th January, 2019. Participants can submit the scanned copy of registration at Email-ID: praveen.mituujain@gmail.com

Registration Form

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Under

TEQIP-III

1. Venue: **Mahakal Institute of Technology, Ujjain**
2. Name:.....
3. Designation:.....
4. Organization:
5. Phone No.
6. Email-ID
7. Accommodation required (Y/N):

Signature of Applicant with date

Signature & Seal
(Sponsoring Authority)