

Accredited with "A" grade by NAAC



Rajiv Gandhi Proudhyogiki 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, 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 and 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 Short Term Training Program (STTP) is to improve quality and equity in engineering teachers in order to up-grade the knowledge, enhancing research and teaching skills.

CHIEF PATRON

1. Prof. Sunil Kumar
Hon'ble Vice Chancellor, RGPV
2. Mrs. Shobha Mishra
Chairperson, IPSGOC, Gwalior

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Coordinator, TEQIP-III, RGPV, Bhopal
2. Dr. Arun K Tyagi
Director, IPSGOC, Gwalior

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4. Dr. Pankaj Kumar Mishra
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3. Mrs. Mukta Srivastava
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SHORT TERM TRAINING PROGRAM

ON

Popular Lecture Series on Engineering Physics (Wave Mechanics)

(April 06-07, 2019)

Organized by

Rajiv Gandhi Proudhyogiki Vishwavidyalaya

Under

TEQIP-III

AT



Planting Future

Department of Applied Science & Humanities

IPS College of Technology & Management

Gwalior, M.P, India-474001

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www.ipsgwalior.org

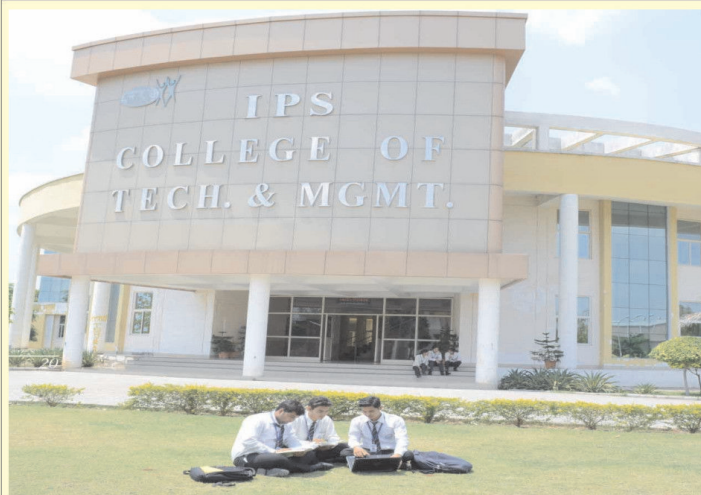
Course Objective

This Short Term Training Program (STTP) is targeted to give a fundamental and practical approach about the Wave Mechanics. The main objective of the STTP is to make the faculty members aware about teaching pedagogy and various aspects of wave mechanics. Eminent speakers/ Experts will discuss teaching methodology to explain the significance of physical systems from nuclei and atoms to molecules.

Course Content

1. Introduction to quantum mechanics.
2. Discussion about the Wave Mechanics to develop practical approach and daily life examples.
3. To provide the platform to the problems of mechanics and optics where reliability and other technical criteria may meet effectively.
4. To develop tutorial and model, based on the fundamental approach.
5. Basic idea of matter waves.
6. Phase velocity and group velocity.
7. Heisenberg's uncertainty principle.
8. Born interpretation.
9. Schrodinger's wave equation and its applications.
10. Other related topics.

About Organising Institute & Department



IPS College of Technology and Management was established in the year 2007, aiming to become the most preferred engineering college in central India for students to obtain a world-class engineering education, and develop into the leaders of tomorrow. IPSCTM endeavors to make the students technologically superior and ethically strong, who in turn, shall contribute to the advancement of society and humankind. The committed faculty advances the boundaries of knowledge through interdisciplinary research. The Institute, on its part, pursues continuous development of infrastructure and enhancement of state-of-the art equipment to provide our students a technologically up-to-date and intellectually inspiring environment of learning, research, creativity, innovation, and professional activity.

Registration & Accommodation

Registration: There will be no registration fee.

Accommodation in the college hostels on twin sharing basis may be available on request on first come first serve basis @ 350/head/day including meals. One may opt for budget hotels available in the city.

Registration Form

**Rajiv Gandhi Proudyogiki Vishwavidyalaya
Bhopal**

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Under

TEQIP-III

1. Venue: IPS College of Technology & Management, Gwalior
2. Name :
3. Designation :
4. Organization :
5. Phone No. :
6. Email ID :
7. Accommodation required (Y/N) :

Signature of Applicant with Date

Signature
(Sponsoring Authority)