

## 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 of 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 05UTD'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 also offering Ph.D. in 8 faculties.

RGPV has been selected by ministry of human resource development (MHRD) as one of the affiliating technical universities (ATUs) among 10 across the country for receiving TEQIP-III Grant. The main objective of Faculty Development Programmes (FDP) is to improve quality and equity in engineering teachers in order to upgrade the knowledge, enhancing research and teaching skills.

### Chief Patron

1. Prof. Sunil Kumar, *Hon'ble Vice Chancellor, RGPV*
2. Prof. S. C. Choube, *Coordinator, TEQIP-III*
3. Shri R. S. Sharma, *Hon'ble Chairman, SRGOC*

### Patrons

1. Shri Jitendra Sharma, *Hon'ble Vice Chairman, SRGOC*
2. Shri Harendra Sharma, *Hon'ble Secretary, SRGOC*
3. Shri Avinash Sharma, *Hon'ble EO, SRGOC*

### Advisory Committee

1. Dr. H. B. Khurasia, *Ex Professor, MANIT Bhopal*
2. Dr. Shrikrishna Agrawal, *Ex Professor, MNNIT, Alahabad*
3. Dr. Rajesh Kumar, *Professor, DTU, Delhi*
4. Prof. A. K. Tandon, *Ex Vice President, LML Pvt. Ltd.*
5. Dr. R. K. Chaturvedi, *Professor, Dept. of EE, SRCEM*

### Coordinators

1. Dr. Abhishek Jain, *Director, SRIIT*
2. Dr. S. K. Sharma, *Director (S&FW)*
3. Prof. M. P. Gupta, *Dean Academics, SRIIT*

### Organizing Committee

1. Prof. Deepak Sinha
2. Prof. H. P. Tripathi
3. Prof. Vipin Dandotiya
4. Prof. M. P. Gupta
5. Prof. Rakesh Gupta
6. Prof. Veer Singh Rawat
7. Prof. Vipul Mudgal

### Details for Correspondence

1. **Dr. Abhishek Jain, +91-9893672053**  
**Jain.abhi1980@gmail.com**
2. **Dr. S. K. Sharma, +91-9926618407**  
**Sksharma.me.srcem@gmail.com**
3. **Prof. Vipul Mudgal, +91-860253756**  
**Mudgalvipul8@gmail.com**

## Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal

Accredited with 'A' Grade by NAAC



STTP

On

**Reliability & Material Processing**

**March 27-28, 2020**

**Organized by**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

**Under**

**TEQIP-III**

**at**



**Department of Mechanical & Civil Engineering**  
**ShriRam Institute of Information Technology,**  
**Gwalior**

National Expressway, Opp : Narrow  
Gauge Railway Station, Banmore - 476 444,  
Near Gwalior (MP) ,[info@srgoc.org](mailto:info@srgoc.org),  
[www.srgoc.org](http://www.srgoc.org)

## Course Objectives

Materials processing involves a complex series of chemical, thermal, and physical processes that prepare a starting material, create a shape, retain that shape, and refine the structure and shape. The goal of materials processing is to develop the structural features (e.g., crystal structure, microstructure, size, and shape) needed for the product to perform well in its intended application. Materials processing is central to the field of materials science and engineering, and is a vital step in manufacturing. On completion of this programme, the participants will be able to -

- Apply engineering knowledge and specialist techniques to prevent or to reduce the likelihood or frequency of failures
- Identify and correct the causes of failures that occur despite the efforts to prevent them
- Determine ways of coping with failures that occur, if their causes have not been fixed
- Apply methods for estimating the likely reliability of new software and for analyzing reliability data
- Demonstrate an understanding of the concepts of reliability engineering.
- Measure model times to failure using the appropriate probability distribution.
- Demonstrate an understanding of the relationship between the time to failure distribution, the reliability function, and the hazard rate.
- Determine a life test, estimate reliability values from the test data, and set confidence limits on the results.
- Use the design tools necessary to ensure a reliable product including prediction, allocation, and FMEA.
- Understand the differences in analyzing the reliability of a repairable and a non-repairable system.

## About organizing Institute & Department



ShriRam Institute of Information Technology (SRIIT) was established in 2007 by "Dayal Seva Evam Shiksha Samiti, Morena". Being a part of the ShriRam Group of Colleges, SRIIT is also nestled in green and verdant environment. It owns an attractive and splendid building constructed on land spread over an area of 10 acres. Surrounded by lush lawns and trees, the institute provides a perfectly conducive and healthy environment for the teaching learning process.

Mechanical Engineering Department & Civil Engineering Department are the oldest & biggest departments of the Institute. The Departments are committed to well-being and all round development of its students. It has qualified faculty members, state of art laboratories and infrastructures.

### Registration & Accommodation

1. There is no Registration Fee
2. Limited Accommodation is available in college Hostel on first come first serve basis

## Registration Form

Rajiv Gandhi Proudyogiki Vishwavidyalaya  
Bhopal

**STTP**

On

**Reliability & Material Processing**

**March 27-28, 2020**

Under

**TEQIP-III**

1. Venue: ShriRam Institute of Information Technology, 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)