

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 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.

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Two Days

Short Term Training Program (STTP)

on

**“STRATEGY BASED DIAGNOSIS TO  
REPAIR ENGINE MECHATRONICS”**

**(8<sup>th</sup> February - 9<sup>th</sup> February 2019)**

Organized by

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

Under

**TEQIP- III**

at



**Department of Mechanical Engineering  
Sagar Institute of Science and  
Technology (SISTec) Airport Bypass  
Road, Gandhi Nagar, Bhopal**

## About the STTP

This short term training program is designed for Mechanical and Electronics engineering students to learn the basics of strategy based automotive diagnosis and improve the practical skills. This STTP will give the participants insights on developing advanced diagnostic skills.

Strategy based automotive diagnosis is a systematic way to approach the automobile maintenance, that ensures we are utilizing the time and money in the most cost effective manner. By applying this methodical approach to diagnose and repair your vehicle, one is able to achieve maximum efficiency throughout the process. Understanding how to repair cars is at the core of every automotive lesson plan. But in the real world, determine what issue does the car has which comes for troubleshoot is often the most challenging part of the maintenance process.

Today's automotive industry needs not just gear-heads, but quick and smart diagnostic techniques. Each session in this STTP describes a diagnostic plan that can be applied to any repair and maintenance issue, investigate and fix them right the first time. In this 2-day program, the strategy is to address several challenging automotive problems with actual step-by-step repairs.

### Course Contents

- Fundamentals in automobile diagnosis
- Procedure for fault isolation and role of 4W and 1H
- Basics of Engine Electricity and Mechatronics
- Engine Fuel Management System
- Hands-on and diagnosis of gasoline Engine and Diesel

## About SISTec



Sagar Group of Institutions or SGI Bhopal is the education venture of the Sagar Group that comprises best colleges of engineering, pharmacy and management in Bhopal. Sagar Group

came into existence in the year 1983 with the visionary leadership of Chairman Shri Sudhir Kumar Agrawal. The group over the years has successfully ventured into the fields of education, real estate, production, and manufacturing. The brand SPS figures among the Top 100 schools in India. Sagar Institutes (SISTec) are engaged in providing the best technical education in the field of engineering, pharmacy, and management. With three campuses in Bhopal Sagar Group of Institutions is now a preferred and popular destination for budding technocrats. This year, SISTec received "The Most Innovative College" award by AICTE. Through Abhay Sagar Foundation- the Sagar Group is committed to provide high quality free education to the children from the weaker sections of the society.

## About the Department

The Department of Mechanical engineering functioning since inception of the Institution comprises various modern Laboratories and Workshops in order to cater the need of the students undergoing the B.Tech program. The Laboratories such as Applied Mechanics, Fluid Mechanics, Thermal Engineering, Material Testing, Hydraulic Machine, Machine Dynamics, Production Engineering and Internal Combustion Engine, HMT, Heat exchanger etc. adorn the pride of the Department. The Laboratories have been well equipped with necessary equipments and machineries of latest generation which give insight to the students for future technological support in the field of Mechanical Engineering. Students are trained by highly skilled faculty members to perform the jobs, such as, welding, moulding, designing, fitting, shaping, cleaning, grinding, testing etc, so as to make them competent to face the challenges in the Job-market.

### Resource Persons

Highly experienced and renowned experts from Industry, Eminent faculties from NITs and esteemed institutions.

### Important Dates

Last date for registration: **07/02/2019**

Duration of STTP: **8<sup>th</sup> February- 9<sup>th</sup> February 2019**

### General Information

- Accommodation to the outstation participants, if required will be provided in SISTec Hostel/Guest House on payment basis.

## Registration Form

**Rajiv Gandhi Proudyogiki Vishwavidyalaya Bhopal**

**Two Days  
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**(8<sup>th</sup> February - 9<sup>th</sup> February 2018)  
Under  
TEQIP-III**

Venue: Sagar Institute of Science and Technology (SISTec)

Name: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Designation: \_\_\_\_\_

Department: \_\_\_\_\_ Experience: \_\_\_\_\_

Name of Institution: \_\_\_\_\_

Mobile no.: \_\_\_\_\_

E-mail ID: \_\_\_\_\_

Accommodation required: YES/ NO

Signature of participant: \_\_\_\_\_

Date: \_\_\_\_\_

### Sponsorship Certificate

\_\_\_\_\_ is working as a faculty in our institute. He/She is permitted for attending two days STTP program and shall be relieved for the same.

### Signature & Seal of Forwarding Authority

- A scanned copy of the filled form can be sent by e-mail to the STTP coordinator
- Seats are limited, registration is on first come first serve basis.
- For Online Registration please visit [www.sistec.ac.in](http://www.sistec.ac.in)