

**TEQIP-III Sponsored Workshop on**  
**ONE WEEK ADVANCE TRAINING PROGRAM ON**  
**ANSYS COMPOSITE PREPOST (ACP)**

4<sup>th</sup> Jan 2021 to 9<sup>th</sup> Jan 2021

**Jointly Organized by**



Bhartiya Vidya Bhavan's  
**Sardar Patel College of Engineering**  
 Bhavan's Campus Mumbai,  
 400058



**Rewa College of Engineering**  
 University Road, Rewa, MP,  
 486 002

**Learning Objectives**

To enhance the knowledge of the students about composites, its applications and manufacturing processes. Solid modeling of the composite components using ANSYS. Analysis of those composite application using ANSYS software.

**Outcomes**

Students can perform the simulation/ analysis on composites

**Program Outline**

Day 1 4 <sup>th</sup> Jan 2021	10am to 12 pm	Module 1	Introduction Composite Materials and its models
	2 pm to 4 pm	Module 2	Manufacturing processes of Composite Materials
Day2 5 <sup>th</sup> Jan 2021	10 am to 12 pm	Module 3	ACP Introduction and SCDM Modeling, Workshop 1
	1 pm to 3 pm	Module 4	Oriented Selection Sets and Rosettes, Workshop 2
	3.30 pm to 5.30 pm	Module 5	Rules and Edge Sets, Workshop 3
Day 3 6 <sup>th</sup> Jan 2021	10 am to 12 pm	Module 6	Ply Modeling, Workshop 4
	2 pm to 4 pm	Module 7	Solid Modeling, Workshop 5.1, Workshop 5.2
Day 4 7 <sup>th</sup> Jan 2021	10 am to 12 pm	Module 8	Failure Criteria and Post processing in ACP, Workshop 06
	2 pm to 4 pm	Module 9	Parameters in ACP, Workshop 07
Day 5 8 <sup>th</sup> Jan 2021	10 am to 12 pm	Module 10	Practical Examples for FSAE CAR using ANSYS FRP
	2 pm to 4 pm	Module 11	Composite Material Vessel design codes: An Introduction

**Trainers**

**Professional Speakers from ELITE Consulting Engineers**



**Workshop Coordinators**

**Dr. Santosh B. Rane**  
 Dean Academics,  
 SPCE, Mumbai

**Dr. Kiran T. Bhole**  
 Dean R&D,  
 SPCE, Mumbai

**Registration Link**

<https://forms.gle/YFXtuHGk53Q8JYxK8>

**Contact-** Mr. Mrunal Mahant (9421540234)  
 Miss. Shivani Aware (8623883668)

**Who Should Attend-** Faculty and Students of SPCE, Mumbai and College of Engineering REWA, Participants should have computer with ANSYS installed in the system.

**\*\*The organizer preserve participation selection rights.**