

**QIP SPONSERED 6-DAYS SHORT TERM COURSE ON  
ADVANCED MATERIALS FOR STRUCTURAL APPLICATIONS**  
(Automotive, Aerospace, Nuclear, Bio-Medical and Energy Applications) :  
**PROCESSING AND CHARACTERIZATION**

**29<sup>th</sup> September - 4<sup>th</sup> October, 2020**

Through on-line mode

**ABOUT THE COURSE**

For promoting environmental friendly, safe future society, there is an increasing interest towards research and development of new materials, their processing and characterization techniques. It is important for young researchers to understand and broaden their knowledge about the recent development in new materials like high temperature Ti alloys, Al matrix composites, Mg matrix Composites, High entropy alloys, Ti foams and etc., for the application in aerospace, automotive, nuclear, energy and biomedical industries. Also it is equally important to learn and experience processing techniques for the fabrication of these advanced materials.

Considering above aspects, this course is designed to have interactive lectures delivered by experts on the topics related to recent development in advanced materials for structural applications with an emphasize on processing and characterization.



**Topics of discussion will include, but not limited to :**

1. Advances in automotive materials and advances in metal forming techniques
  2. Advances in materials for harsh environments ( jet engine and nuclear applications)
  3. Advances in materials for bio engineering and energy applications
  4. Advances in material testing and failure analysis
  5. Practical training to provide hands experience on advanced materials processing
- ❖ **Faculties and scientists from renowned institutions of India will be invited for discussing on these topics.**

**Target Participants**

- Interested faculty members with any academic background from institutions recognized by AICTE are eligible to attend the course.

**Registration process**

- Interested participants need to submit the registration form as per the format attached, through E-mail to: [sumanta@iiti.ac.in](mailto:sumanta@iiti.ac.in) / [jayaprakash@iiti.ac.in](mailto:jayaprakash@iiti.ac.in) .
- Number of seats are limited. There is no registration fee.
- Online link will be provided for the registered participants.
- Certificate will be issued for the participants.

**COURSE CO-ORDINATORS**

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# REGISTRATION FORM

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#### ORGANIZED BY

Discipline of Metallurgy Engineering & Materials Science

**Indian Institute of Technology Indore**

Indore – 453552, India.



1	Name of the applicant	
2	Name of the college/institution	
3	Designation	
4	Academic Qualification	
5	Address for communication	
6	E- mail	
7	Phone no.	