

**QIP SPONSERED 5-DAYS SHORT TERM COURSE ON  
ADVANCED MATERIALS FOR STRUCTURAL APPLICATIONS  
(Automotive, Aerospace, Nuclear, Bio-Medical and Energy Applications) :**  
**PROCESSING AND CHARACTERIZATION**

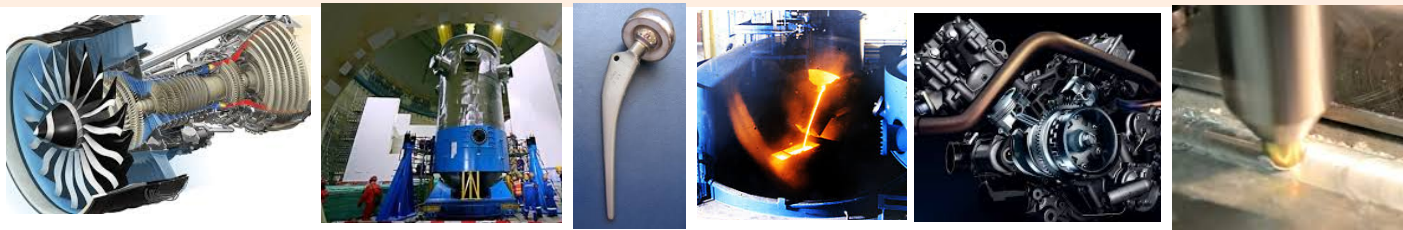
**23<sup>rd</sup> March - 27<sup>th</sup> March, 2020**

Venue: School Building, Room 309, IIT Indore, INDORE (MP)

**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 scanned copy of 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 participants limited to 30. There is no registration fee.

**Travelling Allowance, Boarding and Lodging**

- For all the outstation participants travelling allowance will be provided (III AC train/Bus fare to and fro through shortest route). Boarding & lodging will be provided at IIT Indore free of cost. Local participants are entitled for TA/DA as per AICTE-QIP norms.

**COURSE CO-ORDINATORS**

Dr. Sumanta Samal and Dr. Jayaprakash Murugesan  
Assistant Professor, Discipline of Metallurgy Engineering and Materials Science,  
Indian Institute of Technology Indore. Indore – 453552.  
Email-id: [sumanta@iiti.ac.in](mailto:sumanta@iiti.ac.in) / [jayaprakash@iiti.ac.in](mailto:jayaprakash@iiti.ac.in) , Ph : +91-9755611891

# REGISTRATION FORM

## QIP SPONSORED 5-DAYS SHORT TERM COURSE ON ADVANCED MATERIALS FOR STRUCTURAL APPLICATIONS

(Automotive, Aerospace, Nuclear , Bio-Medical and Energy Applications) :

### PROCESSING AND CHARACTERIZATION

**23<sup>rd</sup> March - 27<sup>th</sup> March, 2020**

#### 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.	
8	Accommodation required at IITI (Yes / No)	

Signature of the applicant with date:

#### **Approval form the Head of the Department / Institute**

The above mentioned applicant is permitted to participate in the short term course on “Advanced Materials for Structural Applications (Automotive, Aerospace, Nuclear , Bio-Medical and Energy Applications) : Processing and Characterization” organized at IIT Indore.

#### **Signature ( with date and Seal)**

It is recommended to submit the completed registration form as per the format mentioned on or before **03 March 2020**, scanned copy through Email : (sumanta@iiti.ac.in / jayaprakash@iiti.ac.in).

Number of seats limited to 30 (on first come basis)

Intimation of acceptance will be send with in two days after receiving the registration form.

**There is no registration fee.**

**However, accepted participants need to pay a caution deposit (refundable) of INR 1,000/- for the conformation of registration, through demand draft drawn in favor of Registrar, IIT Indore or through online payment/ bank transfer.**

For Online payment/ Bank Transfer: - Bank Name: Canara bank, Branch: IIT Indore, Khandwa Road, Simrol, Indore.

Account Name: Registrar , IIT Indore ; Account number: 1476101027440. IFS Code: CNRB0006223.

**The caution deposit will be refunded to the participants attending the course.**