

# Indian Institute of Technology Indore



**Sponsored by TEQIP III**  
**10<sup>th</sup> Anniversary celebration of IIT Indore**

**15 Days short-term course on**  
***Frontiers in Materials, Mechanics and Design Engineering***





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## 10<sup>th</sup> Anniversary celebration of IIT Indore

Sponsored by TEQIP III

15 Days short-term course on

### *Frontiers in Materials, Mechanics and Design Engineering*

Date: 8-22 March, 2019, Venue: SB 309/208, IIT Indore

#### Objective:

Innovative design of structural members for applications ranging from energy to aviation fields requires an in-depth understanding of various advanced materials and their mechanical and structural behavior. The proposed short-term TEQIP course is intended to provide detailed concepts of structural design in combination with a thorough understanding of materials, mechanics, and numerical treatment of structural mechanics. The relevance of the proposed course will be highlighted through a series of lectures delivered by prominent industry experts.

#### Focused Areas

1. Recent development in advanced materials
2. Mechanics of materials
3. Finite element methods
4. Experimental testing
5. Fatigue, fracture and failure analysis of materials

#### Participants

The course is designed for:

- Faculty members, Scientists, and Engineers in Mechanical / Civil / Production / Metallurgy and Materials Science Engineering
- Professionals involved in Materials / Mechanics of materials / Energy / Automotive / Aero-space and other relevant industries
- Research scholars and students in the relevant fields

#### Course Conveners

**Dr. Kiran Bala**  
Associate Professor  
Discipline of BSBE  
IIT Indore

**Dr. Subbareddy Daggumati**  
Assistant Professor  
Discipline of Mechanical Engineering  
IIT Indore

**Certificate:** Participants who successfully complete the course will be awarded a certificate

**Registration deadline:** Feb 25, 2019

#### Registration Fees:

- There is **no fee for participants from TEQIP sponsored colleges**. The nominations along with the registration forms must be sent through their coordinator to the address below. Email confirmation in advance is suggested.
- For Other participants, the fee is Rs. 3500/- (Three Thousand Five Hundred Only) per participant for professionals and Rs. 1750/- (One Thousand Seven Hundred and Fifty Only) for students. Registration fee includes course material, tea & working lunches.

#### MODE OF PAYMENT:

Through DD drawn in favor of “**Registrar, IIT Indore**” payable at Indore, or through online payment/bank transfer (Bank: Canara Bank; Branch: IIT Indore, Simrol campus; Account number: 1476101027440; IFS Code: CNRB0006223).

**Evidence of payment should be emailed in advance to confirm the participation.**

**Accommodation:** Accommodation may be arranged in the IIT campus based on first come first serve based on availability (on payment basis)

#### Contact information:

**TEQIP Office:** ([teqip@iiti.ac.in](mailto:teqip@iiti.ac.in))

Dr. Kiran Bala ([kiranb@iiti.ac.in](mailto:kiranb@iiti.ac.in)); Dr. Subbareddy Daggumati ([subbareddy.daggumati@iiti.ac.in](mailto:subbareddy.daggumati@iiti.ac.in))