



**QIP Short Term Course on  
Smart Materials and Structures:  
Theory and Applications  
(SMS 2018)**

**Jan. 15-19, 2018**

**Introduction and objectives of the course:**

The objective of the course work is to provide the theoretical fundamentals coupled with practical knowledge of smart materials and structures to solve various engineering problems of real life applications.

Different types of smart materials like Piezoelectric, Piezoresistive, SMA, MR, ER fluid etc. with recent applications in the field of energy harvesting, bio pump, piezo motor, MEMS devices, biomimic structures, etc. The theoretical lectures will be followed by lab session where ANSYS® session & demonstration of working on different smart materials will be discussed.

The main focus will be towards the fundamental aspects of smart materials and its engineering applications. This course will also cover various aspects related to several smart materials, their modeling and analysis. The hands-on training session will be conducted during course work.

**Tentative List of Resource Persons:**

- **B. Praveen Kumar**  
ARDE, DRDO, Pune
- **Prof Vijay Kumar Gupta, Professor**  
IIITDM Jabalpur (Course Coordinator)
- **Dr. Sujoy Mukherjee, Assistant professor**  
IIITDM Jabalpur (Course Coordinator)
- **Dr. M. Zahid Ansari, Assistant professor**  
IIITDM Jabalpur (Course Coordinator)

**Who Can Attend?**

All existing faculty members, research scholars, participants from govt. and private departments and industries working in the field of engineering and applied science are eligible.

**Category 1:** The selected faculty members (30) from AICTE approved and govt. institutions have to pay Rs. 1000 (refundable) as registration fees. They will be eligible for to and fro railway fare via shortest route in III AC and free lodging and boarding in the Institute guest house/hostels during course period. Candidates attending the course in full only will be eligible for TA. For all other participants, no TA will be paid by IIITDM Jabalpur. The security money will be returned back to the faculty members account only if he/she completes the course.

**Category 2:** Participants from Governments Departments and Industries are also eligible, provided they meet their T.A. and D.A. and pay a course fee @ Rs. 3000/-.

**Category 3:** Research scholars can also participate provided they meet their T.A. and D.A. and pay a course fee @ Rs. 1000/-.

**Category 4:** Participants (above selected 30) can also participate provided they meet their T.A. and D.A. and pay a course fee @ Rs. 2000/-.

The fee includes a kit containing the study material, tea and snacks.

**How to register and mode of payments?**

The registration fees are to be paid online in Allahabad Bank, Branch Mehgawan, Jabalpur (IFSC Code ALLA0212433) Account No. 50388395415 in favor of QIP PDPM IIITDM Jabalpur through any nationalized bank and payable at Jabalpur, add remark “**QIP IIITDMJ SMS 2018**” for the transaction. After payment is made, participants need to send an email with scanned copy of the filled in application form duly endorsed by the forwarding authority to be mailed at [sms2018@iiitdmj.ac.in](mailto:sms2018@iiitdmj.ac.in). Application format is given in this brochure. Also Fill this google form for application [https://drive.google.com/open?id=16GmQpNW9tx9IKm86cLMHaluJM64b6vs\\_pGEK9I8Cvlg](https://drive.google.com/open?id=16GmQpNW9tx9IKm86cLMHaluJM64b6vs_pGEK9I8Cvlg)

Course dates: **15<sup>th</sup> - 19<sup>th</sup> Jan. 2018**

Last date of Registration: **20<sup>th</sup> Dec. 2017**

The selected candidates will be informed through email within a week after last date.

**Application for Registration**

**Smart Materials and Structures:  
Theory and Applications  
(SMS 2018)**

**Jan. 15-19, 2018**

1. Name .....
2. a) Age..... b) Sex: M/F.....
3. Designation & pay scale.....
4. Organisation .....
5. Address for correspondence  
.....  
E-mail.....  
Phone/Mobile.....
6. Highest Academic Qualification .....
7. Specialisation .....
8. Experience (in years)  
a) Teaching.....  
b) Industrial.....
9. Amount of T.A. required as per entitlement mentioned in the brochure (only for AICTE approved college teachers): .....
10. Mode of Payment (√): NEFT/ IMPS/ Challan/ Other
11. Transaction ID .....
12. Transaction Date.....

Please register me for the course on Smart Materials and Structures: Theory and Applications (SMS 2018) to be held at IIITDM Jabalpur.  
Date.....  
Place ..... Signature of the Applicant

**FORWARDING LETTER**

Prof./Dr./Mr./Ms./Mrs./..... is an employee of our institute and his/her application is hereby approved. The applicant is permitted to attend the short-term course “Smart Materials and Structures: Theory and Applications (SMS 2018)” at IIITDM Jabalpur during date of Jan. 15<sup>th</sup> to 19<sup>th</sup> 2018, if selected.

Date: ..... Signature of forwarding Authority  
Designation:  
Official Seal:

Date:  
Signature of the Applicant