

**Who will benefit?**

If you are a faculty/PG/ PhD/scientist at an AICTE approved college or any other private or govt. college or from the industry, then please apply

**Program Schedule & Venue**

February 21-26, 2022  
(10:00 AM – 5:00 PM)  
Department of Mechanical Engineering, IIT Indore,  
Completely Online Mode

**About the course**

This short-term course will provide participants with a fundamental understanding of the current state-of-the-art alternative cooling technologies. It will discuss available solid-state cooling techniques and their real-life application in various areas. It will also provide the power electronic devices cooling and their thermal management in applications ranging from radars to data centers and the challenges faced in their employment. The experiment will also be demonstrated on the few cooling techniques. This course is tailor-made for the faculty members and researchers (PG/PhD level) from the Mechanical, Materials Science, Physics and Electrical disciplines. The course will help the participants explore new cooling technology and thermal management of electronics.

**REGISTRATION FEE:**

❖ **AICTE Colleges:** There is no fee for faculty/PG/ PhD/scientist participants from AICTE sponsored colleges/institutes. A certificate of AICTE recognition of the Institute from the Head of the Department (the format is provided in page 2) must be uploaded at the time to online application through the below link on or before February 15, 2022.

❖ **Non-AICTE Colleges:** ₹1000 for faculty members/ scientists/ PhD/ Post-Doc and ₹2000 for participants from industries.

**For Online Payment:**

Beneficiary Name: Registrar IIT Indore  
Bank Name: Canara bank  
A/C: 1476101027440  
IFSC: CNRB0006223  
Branch: IIT Indore Campus Simrol

❖ Transfer details need to be uploaded at the time of the online application through the below link.

<https://forms.gle/geScWLfrsVrijMC69>

❖ For any queries, please contact [spatel@iiti.ac.in](mailto:spatel@iiti.ac.in)

**Focus Areas**

- Electrocaloric
- Barocaloric
- Magnetocaloric
- Need for innovative cooling solutions for electronics
- Thermal interface materials (TIM's)
- Phase change materials (PCM's)
- Jet impingement cooling
- Elastocaloric
- Flexocaloric
- Thermoelectric cooling

**How to Apply**

Use the attached registration form, Certificate of AICTE Recognition and e-mail to the contact address below or use the registration link: <https://forms.gle/geScWLfrsVrijMC69>

**Contact us (Course Coordinator)**

**Dr. Satyanarayan Patel, Assistant Professor**

Dept. Mech. Engg., Indian Institute of Technology Indore

E-mail: [spatel@iiti.ac.in](mailto:spatel@iiti.ac.in) Phone: +919816650106

**Organizing Team**

Dr. Ankur Miglani (IIT Indore) [amiglani@iiti.ac.in](mailto:amiglani@iiti.ac.in)

Dr. Harekrishna Yadav (IIT Indore) [krishnpme@iiti.ac.in](mailto:krishnpme@iiti.ac.in)

**Mode of the Program:** Completely Online Mode

**Invited Speakers**

Prof. Rahul Vaish (IIT Mandi)

Dr. Nikola Novak (Jožef Stefan Institute, Slovenia)

Dr. Mohit Sharma (Changwon National Uni South Korea)

Dr. Udayraj (IIT Bhilai)

Dr. Manish Kumar (MNIT Jaipur)

Dr. Pandiyarasan Veluswamy (IIITDM Kancheepuram)

Dr. Vijay Duryodhan (IIT Bhilai)

Dr. Venu Gopal (IIT Bhubaneswar)

Dr. Javed Shaikh (Intel Corporation)

Mr. Abhimanyu (Ansys)

Dr. Naresh Yaramshetty (SVNIT, Surat)

Dr. Ankur Miglani (IIT Indore)

Dr. Harekrishna Yadav (IIT Indore)

Dr. Aratrika Das (IIT Indore)

**Online Registration link**

<https://forms.gle/geScWLfrsVrijMC69>

**Registration Deadline:**  
February 15, 2022

**Certificate**

Participants completing the course successfully will be awarded an e-Certificate.

80% attendance is compulsory



INDIAN INSTITUTE OF TECHNOLOGY INDORE  
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes

Short Term Course under AICTE-QIP scheme

on

**Not-in-kind of Cooling Technologies and  
Thermal Management for Electronics**

February 21-26, 2022



1	Name of the Participant	
2	Designation	
3	Email	
4	Mobile No.	
5	Name of the Organization/Institute	
6	Name of the Department/Centre/School	
7	Is your Institute a AICTE funded Institute (Yes/No)	
8	Category <input type="radio"/> GEN <input type="radio"/> OBC <input type="radio"/> SC <input type="radio"/> ST <input type="radio"/> Others	
9	Identity card (issued by the parent institute) number of the participant (Please attached the copy)	
10	Certificate of AICTE recognition of the participant's parent institute (Please attached the copy in the attached format)	
11	Payment details (for participants from non-AICTE colleges/institutes)	Amount: Payment Ref. No.: Transaction Date: Bank Name Bank other details

Signature of the applicant with date

Signature with the seal of  
Nominating Authority (for QIP participants)

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**Certificate of AICTE Recognition**

Certified that (Name of College/Institute) .....

.....

.....as well as the Academic Department to which

Mr./Ms./Dr./Prof.....

Designation.....

Department.....

belongs are recognized by the AICTE.

Signature  
Head of the Department

OFFICE SEAL