



CS2 Centre for
Science and Society



SUMMER OUTREACH CAMP

May 04-09, 2026



**Indian Institute of Science Education
and Research Bhopal**

Bhopal Bypass Road, Bhauri, Bhopal 462066, Madhya Pradesh, INDIA

IISERB Important Contacts

CS² Personnel:

Mr. Bharat Bhushan Deshmukh: 9935714133

Mr. Lokendra Maithil: 7879183652

Mr. Harendra Singh Rajput: 8889993371

Mr. Govind Agrawal: 9826477820

Mr. Dheeraj Sahu: 7999511273

Mr. Himanshu Rajput: 9993104882

Hostel Caretakers:

Hostel-8 (Boys): 0755 269 2548

Mr. Sunil Tiwari (Boys Hostel): 9755621308

Mr. Dharmendra Vishwakarma (Boys Hostel): 9098400375

Hostel-3 (Girls): 0755 269 2543

Ms. Lata Dhankani (Girls Hostel): 9907208120

Ms. Sapna (Girls Hostel): 8109063476

Security Supervisor
7389916626

Institute Emergency
0755 269 2345

Health Centre
0755 269 2393

Other Contacts

Taxi Service:

Mr. Hamid Khan: 8878430005

(Bhopal Jn. to IISERB: Rs. 500, Rani Kamlapati Station to IISERB: Rs. 550 and Airport to IISERB: Rs. 350+parking and toll tax)

Auto Service:

Mr. Rahul: 9713382594

Mr. Rajpal: 7828256519

Mr. Ravi: 9669268183

Mr. Vijay: 9977897640

Mr. Sharukh: 8817708104

Mr. Raheem: 9111275291

Mr. Irshad: 7772040330

Mr. Rajeez: 8719078402

(Bhopal Jn. to IISERB: Rs. 400, Rani Kamlapati Station to IISERB: Rs. 500 and Airport to IISERB: Rs. 250)

E-Rickshaw Service (Within Campus):

Mr. Rohit: 9301385035

Mr. Kamlesh: 9238498441

Mr. Rahul: 7697639586

(@E-Reckshaw is available on IISERB campus from 09:00 AM to 09:00 PM)

Hotel near by IISER Bhopal:

❖ Moments Café & Restaurant - 094065 41577 (Around 5 KM from IISERB)

❖ Hotel Dhruva - 07947125840 (Around 8 KM from IISERB)

❖ Shyam Palace Hotel and Restaurant - 063862 26743 (Around 7 KM from IISERB)

❖ Hotel Shikhar Palace - 098931 00355 (Around 10 KM from IISERB)

Contents

01	Summer Outreach Camp 2026	02
02	Schedule of Events	03
03	Overview of IISER Bhopal	08
04	Academic Programmes	08
05	Admission Process	10
06	Career Opportunities	10
07	Research and Development	10
08	Campus Facilities	11
09	Student Life	11
10	Student Activities	12
11	Glimpses of Summer Outreach Camp	13



Summer Outreach Camp

The Centre for Science and Society (CS²) organizes an annual Summer Outreach Camp at its campus in Bhauri, Bhopal, for students of classes IX to XII. The camp is designed to help participants develop a deeper understanding of the role of science in society.

Through a blend of engaging lectures and hands-on laboratory activities, participants are introduced to fascinating concepts in Natural and Engineering Sciences. This learning experience is further enriched by incorporating critical perspectives from the Humanities and Social Sciences.

In addition to academic sessions, the camp features a range of enjoyable evening activities such as painting with science, quiz competitions, open mic sessions, and sports. These activities provide an informal platform for participants to interact with peers and senior students on campus.

Schedule of Events

Day 1: May 04, 2026

Venue: Lecture Hall Complex (LHC), Academic Building (AB), Crescent Ground

09:00 AM – 09:25 AM	Registration	LHC Atrium
09:25 AM – 09:30 AM	Opening Ceremony, Lighting of the Lamp	L-5, LHC
09:30 AM – 09:45 AM	About Summer Outreach Camp & IISER Bhopal by Head, CS2	L-5, LHC
09:45 AM – 09:55 AM	Welcome address by Director, IISER Bhopal	L-5, LHC
09:55 AM – 10:00 AM	Vote of Thanks by Officer in-charge, CS2	L-5, LHC
10:00 AM – 10:20 AM	Refreshment Break	LHC Atrium
10:20 AM – 11:10 AM	Breaking the Ice Prof. Saptarishi Mukherjee, Department of Chemistry	L-5, LHC
11:10 AM - 12:00 PM	Talk 1 , Speaker: Prof. Manmohan Kapur Department of Chemistry Talk Title: Chemistry in everyday Life	L-5, LHC
12:00 PM - 12:10 PM	Break	
12:10 PM - 01:00 PM	Interaction 1 : Department of Physics Speakers: Dr. Chandan Samanta, Dr. Arnab Khan, Dr. Adarsh Vasista, Dr. Phani Kumar & Dr. Ritam Mallick Title: Dream, Think, Explore: A Journey Through Physics	L-5, LHC
01:00 PM - 02:30 PM	Lunch Break	
02:30 PM - 04:30 PM	Lab Visits (Chemistry and Physics) Group A & Group B	AB-2 & AB-3
04:30 PM - 05:30 PM	Meditation Session by Dr. Ankur Raina Department of Electrical Engg. & Computer Science	L-5, LHC
05:30 PM - 06:00 PM	Break	
06:00 PM - 07:30 PM	Sports/Sport expert talk	Crescent Ground



Day 2: May 05, 2026

Venue: Lecture Hall Complex (LHC), Academic Building (AB), Crescent Ground

09:30 AM – 10:20 AM	Talk 2 , Speaker: Dr. Mayuresh Surnis Department of Physics Talk Title: Phases of the Moon and the Calendar	L-5, LHC
10:20 AM – 10:40 AM	Break	
10:40 AM – 11:30 AM	Interaction 2 : Department of Earth and Environmental Sciences Speakers: Dr. Kumar Gaurav & Dr. Somil Swarnkar Title: Eyes on the Earth	L-5, LHC
11:30 AM – 11:40 AM	Break	
11:40 AM - 12:30 PM	Interaction 3 : Department of Chemistry Speakers: Prof. Abhijit Patra & Prof. Varadharajan Srinivasan Title: Chemistry at Play: Atoms-to-Molecules-to- Materials	L-5, LHC
12:30 PM - 02:00 PM	Lunch Break	
02:30 PM - 04:30 PM	Lab Visits (Chemistry and Physics) Group B & Group A	AB-2 & AB-3
04:30 PM - 05:30 PM	Central Instrumentation Facility, Central Library & Computer Centre Visit Group A & Group B	CIF, CL & CC
05:30 PM - 06:00 PM	Break	
06:00 PM - 07:30 PM	Quiz Competition Sports	L-5, LHC Crescent Ground

***The sports activities will be conducted every day after 06:00 PM.
The interested participant can participate in the sports activities.***

Day 3: May 06, 2026

Venue: Lecture Hall Complex (LHC), Academic Building (AB), Crescent Ground

09:30 AM – 10:20 AM	Interaction 4: Department of Biological Sciences Speakers: Prof. Pawan Sharma, Dr. Punita Kumari & Dr. Rashmi Ray Title: Group chat inside your body: How cells spot invaders and remember them	L-5, LHC
10:20 AM – 10:40 AM	Break	
10:40 AM – 11:30 AM	Talk 3, Speaker: Dr. Sombuddha Bhattacharyya Department of Mathematics Talk Title: Connecting the dots, a data-driven approach	L-5, LHC
11:30 AM – 11:40 AM	Break	
11:40 AM - 12:30 PM	Interaction 5: Department of Electrical Engineering and Computer Science Speakers: Dr. Arijit Sen, Dr. Santanu Talukder & Dr. Sukarn Agarwal Title: Electronics and Computation: Past, Present and Future	L-5, LHC
12:30 PM - 02:00 PM	Lunch Break	
02:30 PM - 04:30 PM	Lab Visits (Biological Sciences, Chemical Engineering, Earth and Environmental Sciences) Team 1, Team 2 & Team 3	AB-3 & AB-1B & AB-1C
04:30 PM - 05:30 PM	Special Lecture by Prof. Uday Maitra	L-5, LHC
05:30 PM - 06:00 PM	Break	
06:00 PM - 07:30 PM	Painting Competition Sports	LHC Atrium Crescent Ground





Day 4: May 07, 2026

Venue: Lecture Hall Complex (LHC), Academic Building (AB), Crescent Ground

09:30 AM – 10:20 AM	Talk 5 , Speaker: Dr. Dhanyalekshmi Pillai Department of Earth and Environmental Sciences Talk Title: Making the Invisible Visible: Greenhouse Gases in Our Climate System	L-5, LHC
10:20 AM – 10:40 AM	Break	
10:40 AM – 11:30 AM	Interaction 6 : Department of Humanities and Social Sciences Speakers: Dr. Ankita Title: Let's Talk About the Humanities and Social Sciences	L-5, LHC
11:30 AM – 11:40 AM	Break	
11:40 AM - 12:30 PM	Interaction 7 : Department of Data Science and Engineering Speakers: Dr. Akash Anil & Dr. Sundaram Muthu Title: Data Science and Practices	L-5, LHC
12:30 PM - 02:00 PM	Lunch Break	
02:30 PM - 04:30 PM	Lab Visits (Biological Sciences, Chemical Engineering, Earth and Environmental Sciences) Team 3, Team 1, & Team 2	AB-3, AB-1B & AB-1C
04:30 PM - 05:30 PM	Central Instrumentation Facility, Central Library & Computer Centre Visit Group B & Group A	CIF, CL & CC
05:30 PM - 06:00 PM	Break	
06:00 PM - 07:30 PM	Cultural Evening / Open MIC Sports	L-5, LHC Crescent Ground

Day 5: May 08, 2026

Venue: Lecture Hall Complex (LHC), Academic Building (AB), Visitors' Hostel (VH)

09:30 AM – 10:20 AM	Talk 5 , Speaker: Dr. Bindu Singh Department of Biological Sciences Talk Title: Invisible Enemies, Powerful Cures: The Science of Infectious Diseases	L-5, LHC
10:20 AM – 10:40 AM	Break	
10:40 AM – 11:30 AM	Interaction 8 : Department of Chemical Engineering Speakers: Dr. Mahesh Ijjada, Dr. Sai Phani Kumar Vangala & Dr. Paramita Das Title: Trash to Treasure: How Chemical Engineers Create Clean Energy and Bioplastics from Waste	L-5, LHC
11:30 AM – 11:40 AM	Break	
11:40 AM - 12:30 PM	Interaction 9 : Department of Mathematics Speakers: Dr. Amudhan Krishnaswamy-Usha, Dr. Sombuddha Bhattacharyya, Mr. Sumit Bose (PhD Student) & Ms. Manisa Maity (PhD Student) Title: Puzzles in probability	L-5, LHC
12:30 PM - 02:00 PM	Lunch Break	
02:30 PM - 04:30 PM	Lab Visits (Biological Sciences, Chemical Engineering, Earth and Environmental Sciences) Team 2, Team 3 & Team 1	AB-3, AB-1B & AB-1C
04:30 PM - 05:30 PM	Lab Demonstration (Electrical Engineering and Computer Science) Group A & Group B	L-5, LHC
05:30 PM - 06:00 PM	Break	
07:00 PM - 08:30 PM	Dinner	VH

Day 6: May 09, 2026

09:30 AM – 10:20 AM	Interaction 10 : Department of Economics Sciences Speakers: Dr. Anomita Ghosh, Dr. Biswajit Patra & Dr. Vipin V Title: Where Nature Meets Livelihoods: An economics perspective	L-5, LHC
10:20 AM – 10:40 AM	Future at IISERB by Prof. J. Sankar, Head, CS ²	L-5, LHC
10:40 AM – 11:10 AM	Feedback by Participants	L-5, LHC
11:10 AM – 11:30 AM	Break	
11:30 AM – 01:00 PM	Closing Ceremony and Certificate Distribution	L-5, LHC
01:00 PM – 02:30 PM	Lunch & Departure	



Overview of IISER Bhopal

The Ministry of Education, Govt. of India, has established the IISERs to integrate and promote interdisciplinary science education and research. An overarching goal of the IISERs is to enable students to shape the nation by inventing and implementing sustainable solutions for societal problems through research in science.

IISER Bhopal campus, located on about land of 252 acres, is a state of the art educational and research campus with a well-equipped instrumentation facility, library, computer facilities, research laboratories, BSL3, animal house facility with genetically engineered animals, meeting halls/auditoriums and residential facilities. The Institute has a total of 10 academic departments (in Natural Sciences, Engineering Sciences and Humanities & Social Sciences), and several centres catering to the learning and research aspirations of students and faculty members.

The vision of the Institute is to provide high-quality education to undergraduate, postgraduate, and doctoral students. The Institute also aspires to contribute to the society through teaching and research to help achieve global sustainability. Further, the Institute aims to produce leaders in science and related disciplines.

Academic Programmes



▶ Bachelor of Science (BS)

The four-year Bachelor of Science (BS) degree is offered to the science students who have passed their 10+2 with Mathematics as one of the subjects. BS programme is currently offered in the department of Economic Sciences.

Provisions to convert the BS degree to a BS-MS (Dual Degree) degree by spending an additional year in the programme.



► Bachelor of Science-Master of Science (BS-MS) Dual Degree

The five-year BS-MS (Dual Degree) is offered to the science students who have passed their 10+2, by the following departments:

- ❖ Biological Sciences
- ❖ Chemistry
- ❖ Earth and Environmental Sciences
- ❖ Mathematics
- ❖ Physics

► Bachelor of Technology (B.Tech.)

The four years Bachelor of Technology (B.Tech.) Programme is offered to the science students who have passed their 10+2 with Mathematics as one of the subjects. B.Tech. programme is currently offered by the following departments:

- ❖ Chemical Engineering
- ❖ Data Science and Engineering
- ❖ Electrical Engineering and Computer Science
 - ❖ Electronics and Communication Engineering
 - ❖ Computer Science and Engineering

Provisions to convert the B.Tech. to M.Tech. (Dual Degree) by spending an additional year in the programme.

► Master of Science (M.Sc.)

The two-year M.Sc. degree is offered to bright and motivated students with bachelor's degree in relevant discipline. The programme is currently offered by the following Departments:

- ❖ Biological Sciences
- ❖ Chemistry
- ❖ Mathematics



► Master of Arts (MA)

- The two-year M.A. Liberal Arts degree is offered to bright and motivated students with bachelor's degree in relevant discipline. The programme is currently offered by department of Humanities and Social Sciences.

▶ Integrated Ph.D.

Integrated Ph.D. is offered to students with bachelor's degree in relevant discipline. The programme is currently offered by the following Departments:

- ❖ Mathematics
- ❖ Physics

▶ Ph.D.

The Ph.D. is offered by all academic Departments of the Institute to students who have acquired a master's degree and meet other eligibility criteria.

Departments may have additional eligibility criteria over and above the minimum requirements.

Admission Process

Admission to all IISERs at UG level is managed by the duly constituted Joint Admissions Committee (JAC) of the IISERs. Admission takes place once a year, exclusively through the IISER Aptitude Test (IAT).

Candidates who have passed (10+2) level with at least three subjects among Biology, Chemistry, Mathematics and Physics from any board recognized by the Council of Boards of School Education (COBSE) in India, are eligible to apply.

Details of eligibility criteria, admission procedure, reservation policy, IISER Aptitude Test etc. may be accessed via the IISER Admission website: www.iiseradmission.in



Scan QR code

To know more about the admission process and academic programmes

Career Opportunities

- ▶ Research opportunities (Scientist, Technical Officer, Research Scholar, etc.)
- ▶ Academia
- ▶ Industries
- ▶ Higher Studies (Masters, Ph.D, Post Doc)
- ▶ Government Services (UPSC, PSUs, IRS, CSIR Labs etc.)
- ▶ Competitive Exams
- ▶ Financial and Banking Sectors
- ▶ Entrepreneurship

Research and Development

IISER Bhopal has an interdisciplinary research and development environment in Natural Sciences, Engineering Sciences, and Humanities & Social Sciences. Institute's faculty members are engaged in developing innovative solutions for emerging areas of research. This includes Medical Science and Engineering, application of Robotics and Unmanned aerial vehicles for security and urban planning, agriculture, and other sectors, application of Artificial Intelligence, Cryptography, Quantum machine learning, Quantum technology for communication & metrology, genome sequencing, research on cancer cure, antibodies, TBresistant drugs, Immunity, Therapeutics and Diagnostics, Medical devices, Semiconductors, Environment management including air quality, water treatment, and hazardous waste, advance materials for battery & storage, novel catalysts, drought tolerant crops, flood risk assessment, and more.

Campus Facilities

IISER Bhopal has a beautiful campus with several amenities set-up that helps to fulfil Institutional aspirations of environmental and climate stewardship. Some of the key facilities and amenities in this fully Wi-Fi-enabled campus include:

- ❖ Central Instrumentation Facility (CIF)
- ❖ Central Library
- ❖ Technology Enabled Lecture Halls
- ❖ Computer Centre
- ❖ Conference Halls and Seminar Rooms
- ❖ Shopping Centre
- ❖ Health Centre
- ❖ Student Gymkhana



Student Life

▶ Hostels and Mess Facilities

Currently, Institute has 8 hostels (5 Boys' Hostels and 3 Girls' Hostels) in the campus, with more under construction. The Institute provides on-campus hostel accommodation to all registered students. Each hostel room is well furnished and comfortable. There are 7 dining messes in the hostel area run by the student's cooperative mess management committee mentored by the hostel wardens.

For more details, please visit http://dosa.iiserb.ac.in/campus_facilities/hostels



▶ Sports Facilities

The Institute has various sports facilities for indoor and outdoor games like Squash Court, Cricket Ground, Athletic Ground, Lawn Tennis, Basketball, Volleyball, Badminton, and Table Tennis courts. The sports facilities also include Gymnasium and Yoga Centre for health fitness. For more details, please visit http://dosa.iiserb.ac.in/campus_facilities/sports_facilities



Student Activities

Several intra and inter IISER student activities take place all year round. These activities are organized and managed by various councils under the aegis of the Student Activity Council (SAC). Some of these councils include:

- ❖ Student Development Council
- ❖ Computing and Networking Council
- ❖ Cultural Council
- ❖ Environmental and Social Initiatives council
- ❖ Fine Arts & Literary Council
- ❖ Science Council
- ❖ Sports Council



▶ National Cadet Corps (NCC)

Recognising the importance of the NCC, the Institute offers the students an opportunity to be part of the NCC. The Institute cadets are part of the 1MP NAVAL UNIT NCC BHOPAL.



Glimpses of Summer Outreach Camp



▶ What our participants said;

“The entire experience at IISER Bhopal was truly memorable—from the friends, faculty, professors, talks, lab visits, to the extracurricular activities. However, the highlight for me was the cultural programme. The freedom to dance our hearts out at the end made it an unforgettable moment”.

- Arnav M T, Sree Narayana Vidya Mandir Senior Secondary School

“One word—AMAZING. The place, the friends I made, the people I interacted with, and all the wonderful teachers and volunteers—everything was truly amazing. Thank you, IISER Bhopal, for giving me such unforgettable memories and knowledge that I will carry with me for a lifetime. I am truly grateful for this experience”.

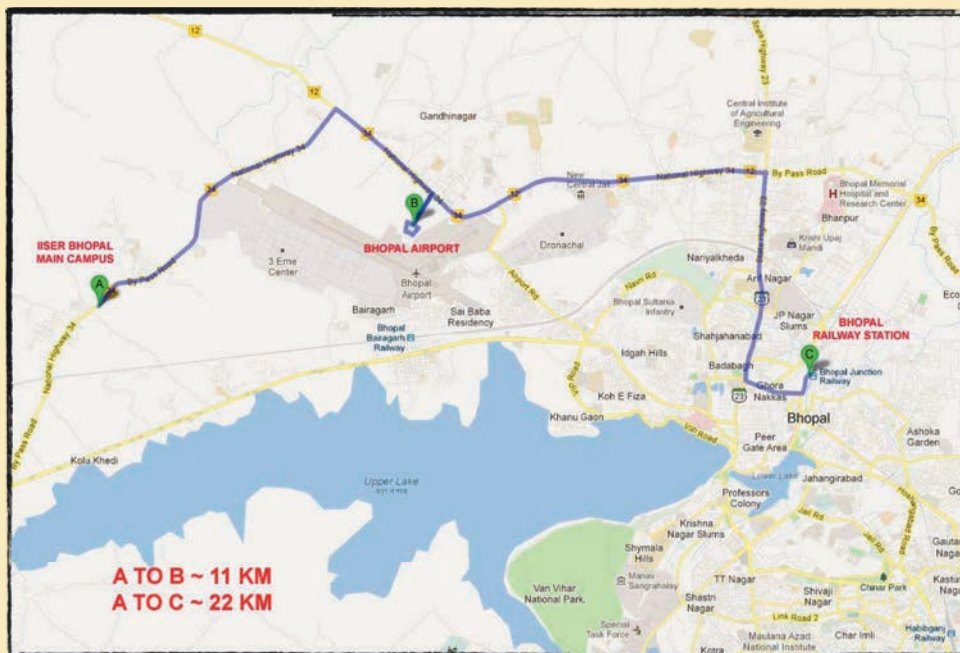
- Nitya Verma, S.D. Vidya Mandir, City Panipat

“These six days have been one of the most fascinating experiences of my life. Every domain was enriching, and I learned a great deal in each subject. The institution has many interesting instruments, and we conducted several new experiments that were both informative and engaging in the fields of Physics, Chemistry, and Biology”.

- Samiksha Shah, Bhavan's R.K Sarda Vidya Mandir



HOW TO REACH IISERB



Contact us :



202, 2nd floor, Administrative Building
Indian Institute of Science Education and Research Bhopal
Bhopal Bypass Road, Bhauri, Bhopal 462 066, Madhya Pradesh, INDIA



+91 755-269-2416



office_cs2@iiserb.ac.in



<https://cs2.iiserb.ac.in>
<https://www.iiserb.ac.in>

