



# STUDENT BROCHURE

Indian Institute of Science Education and Research  
Kolkata





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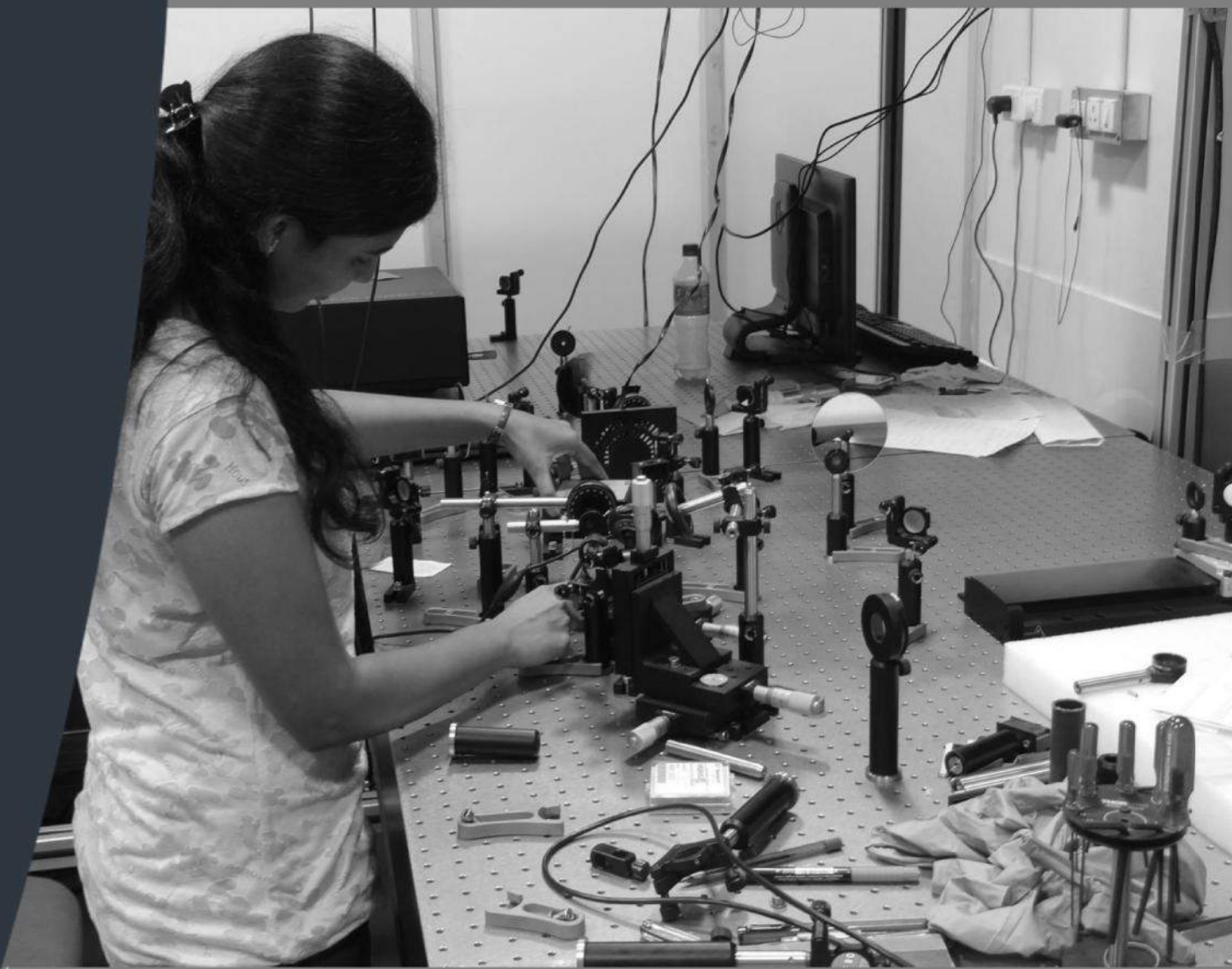
# **INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA**







*...towards excellence in science*







**“Education is not the learning  
of facts, but the training of the  
mind to think.”**

**-Albert Einstein**



# Mission and Vision

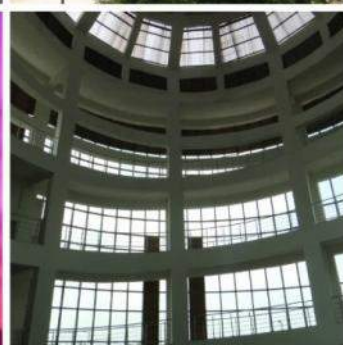
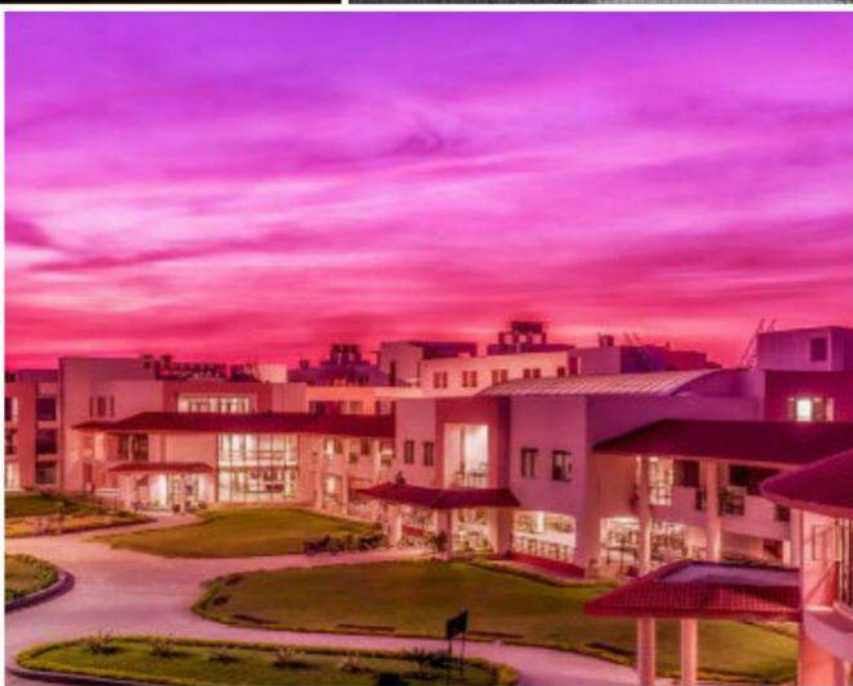
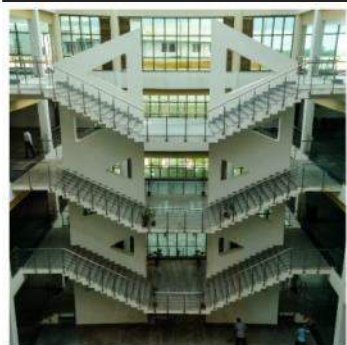


The basic idea behind the creation of IISERs is to create research Universities of the highest calibre in which teaching and education would be totally integrated with the state of the art research.

IISER-K is devoted to Undergraduate and Postgraduate teaching in sciences in an intellectually vibrant atmosphere of research.

One of the important objectives of creating IISERs is to make education and careers in basic sciences more attractive by providing opportunities in integrative teaching and learning of sciences and break the barriers of traditional disciplines.









“

The strength of IISER Kolkata is derived from its talented students. For inquisitive young minds looking for a platform for experiencing a fine blend of quality teaching with world-class research in basic science, IISER-K is one of the best institutions to reckon with.

”

-Prof. RN Mukherjee  
Director

# Deans

Prof. Supriyo Mitra  
Dean of Research &  
Development



Prof. Prasanta Panigrahi  
Dean of Faculty

Dr. Pradipta Purkayastha  
Dean of Academics



Prof. Jayasri Das Sarma  
Dean of Students



# Office of the Dean of Students

The Office of the Dean of Students acts as a liaison between the students, faculty members and the institute administration to facilitate smooth functioning of all student related activities at IISER Kolkata.

This office serves as the central point of contact for students to resolve problems, acquaint them with campus resources and clarify their doubts regarding policy matters. Through its alumni cell this office reaches out to the institute alumni all over the world and strengthens ties with them.

Their mission is to engage the student community in various activities of the institute, encourage them to explore different aspects of life beyond the class rooms through co-curricular activities and create a vibrant atmosphere for their intellectual and personal growth.



## Dean of Students

Prof. Jayasri Das Sarma, along with being a well established Neurobiologist, is the torch bearer of all Student activities at IISER Kolkata. She persistently monitors all Student activities and supports the students to inculcate right moral values and greater accountability. She has been highly influential in generating immeasurable avenues to help students grow with dignity. The students of IISER Kolkata always long to be guided by her uprightness and fascination to discover and disperse the majestic promises of life...





# Student Life @ IISER-K



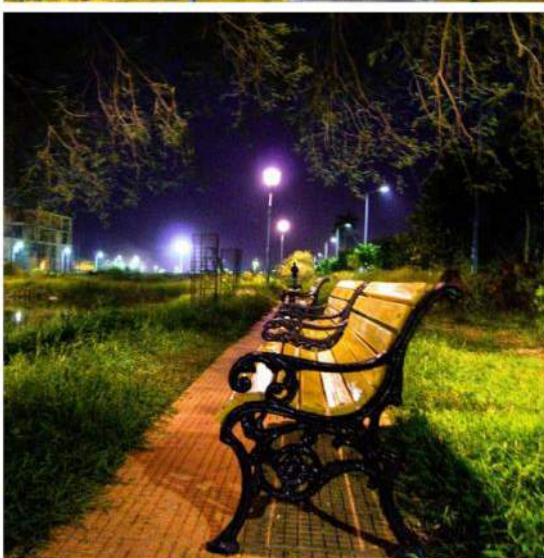




The entry to IISER Kolkata is an entry to the exquisite world of Sciences, in the lap of Mother Nature. An entrance that provides avenues to various opportunities, allowing its students to discover the science behind everything.

The campus spread over 201 acres, with a vast range of flora and fauna provides all students with plenty of green space and fresh air where they are able to live and learn amid the subtle savour of nature. They realize that they have much more time to study and pursue their wider interests.





The location is just a one and a half hours drive from the hustling city, Kolkata. It's a tranquil and productive place to study. In the harmonious student-friendly atmosphere around, the serene calmness is loved by all.

The vistas of vast expanses of green, sweeping trees, chirping of the birds, beautiful ponds and the great architectural marvels coming up, blend in with the creative lifestyle of young IISERians.

Fully residential campus away from the hubbub of city life accelerates the student life towards social and creative gatherings and develops in them amazing skills in all the spheres. Be it academic, co-curricular or social, IISER-K students leave no stone unturned to chase their dreams and follow their interests.



One of the most distinctive characteristics of IISER Kolkata is its strongly bonded residential community.

The easiest way to get involved in the campus life is to become a part of the institute community, and to create a memorable IISER-K experience.

Hostel life defines the life of a student on campus. Life at IISER Kolkata's hostels is unique. Hostels are hubs of discussion and activities. With students from various parts of this diverse nation coming under one roof, it proves to be a delightful amalgamation of culture, traditions and lifestyles... Widening their horizons...







## Hostels

As of now the institute has three hostels in the main campus:

- Netaji Subhas Chandra Bose Hall (NSCB Hall)
- Ishwar Chandra Vidyasagar Hall (ICVS Hall)
- Nivedita

## Wardens

➤ Chief Warden: Dr. Arindam Kundegrami

➤ Wardens:

- Dr. Priyadarshi De
- Dr. Kathakali Bhattacharya
- Dr. Venkataramanan Mahalingam









*The initial student welfare body...*

## The Gymkhana

The IISER-K Gymkhana was the first students' governing organization of IISER Kolkata. It aimed to advance the general cause of the student body of the Institute.

The Gymkhana functioned mainly through the Students' Council, an elected representative body headed by the elected Executive Committee. They established the general guidelines and roles on the basis of which the Council Members functioned.

Students' Council was made up of several Sub-Committees and Club Office Bearers which looked after various aspects of administration and club activities and have had representation from across the student body of IISER-K.

**SAC IISER**  
**KOLKATA**  
**STUDENTS AFFAIRS COUNCIL**



# *A Step Ahead...*

**“Coming together is a beginning; keeping together is progress; working together is Success”**

**-Henry Ford**

The journey began with the Gymkhana. With the increase in the number of students, it was necessary to have a more structured body, that could cater to the interests and needs of the student community. Thus, in the academic year 2015-16 the Students Affair Council (SAC) was formed.

The vision of SAC is to set up a student administration system, guided by the principles laid down in the Constitution of SAC, which will serve as the one stop for all student activities in the institute.



# About SAC

The essence of the success story of any educational institute lies in the success of its students. An enthusiastic student fraternity coupled with an able student administration forms the base for scaling great heights.

The Student Affairs Council of IISER-Kolkata looks to channelize the energy and vigour of the student community and give voice to their opinion. It is their endeavour to faithfully represent the best interests of the student community and strive to create a vibrant atmosphere which will give rise to not only better academicians but also to better, well-rounded personalities.

The representatives are students who are elected by the student fraternity of IISER-K.



# Posts

The following are the posts held by the student representatives of SAC.

The BS-MS, IPhD, PhD each has a General Secretary in the following categories:

- ❖ General Secretary, Academic
- ❖ General Secretary, Cultural
- ❖ General Secretary, Hostel
- ❖ General Secretary, Food & Hygiene
- ❖ General Secretary, Games & Sports

Each batch has a Class Representative and each department in the IPhD and PhD has a department representative.

# GS Academics



Literary Club

Science Club

Alumni Cell

Placement Cell

Website  
Management

Liaison with  
Outreach  
Committee



# GS Cultural



INQUIVESTA

SPIC MACAY

Dance  
Club

Music  
Club

Arts  
Club

Drama Club

Movie Club





# GS Sports



IISM

ALL SPORTS  
CLUBS

Nature Club

Trekking  
Club

Photography  
Club





# GS Hostel



Hostel Affairs

Transportation

## GS Food & Hygiene



Mess

Medical Affairs





# Important Activities and Events





# IISM

## *Inter IISER Sports Meet*



*“Gold medals aren't really made of gold. They're made of sweat, determination, and a hard-to-find alloy called guts.”*  
-Dan Gable

The heat of competition gets set during the winters each year, when preparation meets sportsman spirit. It is in the Inter IISER Sports Meet that the best of players from all IISERs compete, to ensnare the title of the ‘CHAMPIONS’.

The Inter-IISER Sports Meet is held annually in winter among all the IISERs. Every year the IISM also witnesses an active participation from institutes like NISER-Bhubaneswar, and IISc Bangalore. The Sports Meet is hosted by any one of the IISERs in turn.

From Basketball, Volleyball, Throwball and Football to badminton, TT, Chess, Kho Kho, Athletics and Cricket, IISM has it all. To seize the fun all one needs to do is participate...



## Sports Events @ IISER-K

All Sports clubs of IISER-K realize the role that sports and games play in a student's life. A number of sports events that they organise from time to time, instils in the minds of students the passion for sports and also acts as a source of rejuvenation.

Inter-batch tournaments of Basketball, Cricket, Badminton, Kabaddi, Kho-Kho, Table Tennis, Football, Volleyball are frequently held.

The IISER Premier League (IPL) sees enthusiastic participation from all batches. The Spring pong, as the name suggests is the table tennis event that is held in every Spring semester.

Friendly matches between faculty and students, that often take place, reflect the strong bonding between the students and faculty.





# Alter Ego

*"The artist is a receptacle for emotions that come from all over the place: from the sky, from the earth, from a scrap of paper, from a passing shape, from a spider's web."*

*-Pablo Picasso*

One of the most sought after events of the year, Alter Ego is the annual Art exhibition of IISER-K, organized by the Arts Club. Expressing their imagination in the form of exquisite paintings, are the young Picassos and Da Vincis of IISER-K. Paintings are put up for sale and if more than one person is willing to buy a painting, bidding takes place, making the event all the more exciting.

Alter Ego provides just the right platform for students to unleash their creative selves as they let their imagination run unbridled on the canvas of their dreams...

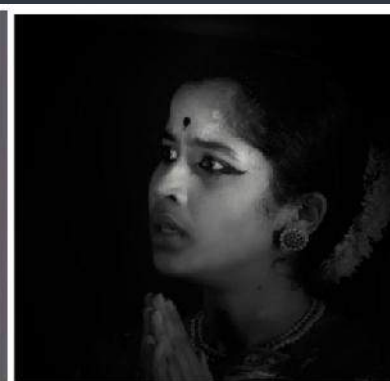
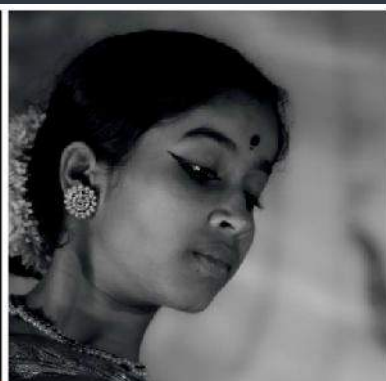
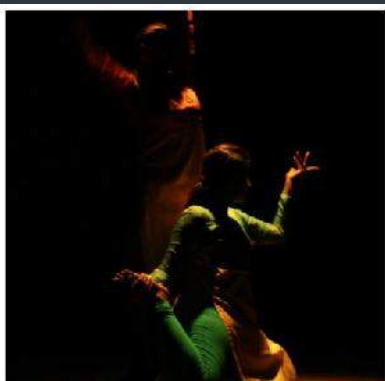


# Major Cultural Events

**Annual Drama Night:** All the world's a stage, they say. For people who believe in this quote, for people who have dramatics as a passion, and an obsession, the Annual Drama Night is just the right event. It is one of the most awaited events of the Drama Club every year.

**24-hour Drama Competition:** This is an impromptu situation-based dramatics competition organized by the Drama Club. This is the event that tests the creativity and teamwork of students as they are given 24 hours to come up with a performance building on a basic storyline. This is where students showcase their flair and discover the dramatics genius within themselves!

**Inter-batch Dance Competition:** This is IISER-K's much awaited dance competition, organized by the Dance Club. This is the event where students prove their mettle against tough competition. This is the event that tests everything from skill to energy to emotion.



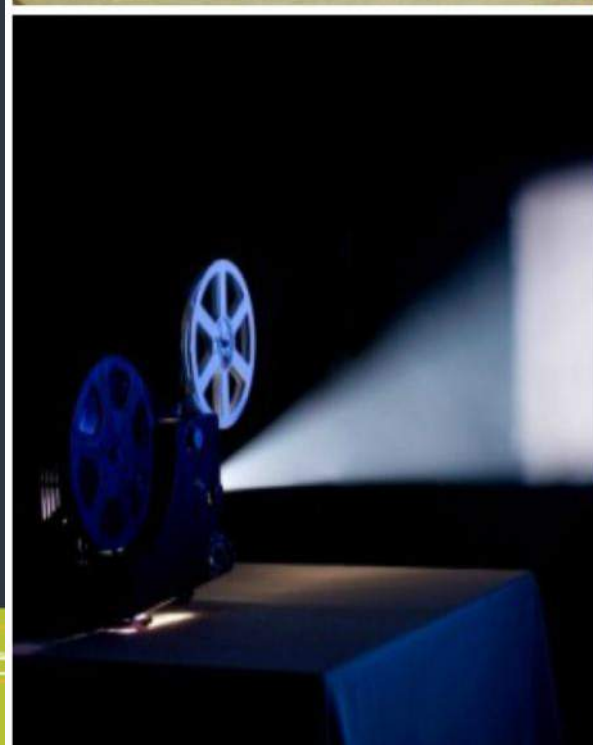


**Karaoke Night:** This is the event, by the Music Club where students take on the stage on their own and enthrall everyone with the power of their voices and the skill of their performances.

**Acoustica:** A unique event in itself, Acoustica soothes the campus with its tunes and chords. A perfect evening of unplugged music. An array of musical performances mesmerises one and all.

**The Movie Festival:** This is indeed a carnival for the movie lovers. An assorted set of movies is screened for three days, by the Movie Club. This is just the right place where students get to immerse themselves in the world of colours and pictures.

**The SPIC MACAY programmes:** The Society for the Promotion of Indian Classical Music And Culture Amongst Youth (SPIC MACAY) seeks to inspire youth through experiencing the mysticism embodied in the rich and heterogeneous cultural tapestry of Indian and World Heritage. Professionals present Indian Classical Art forms in a comprehensive manner.



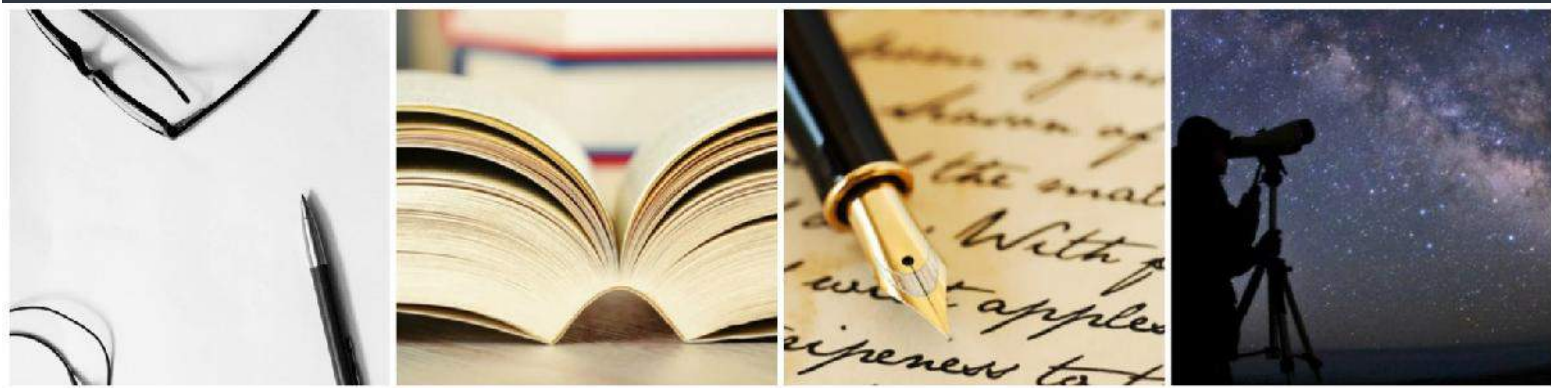


*“The flute is the symbol of spiritual call, the call of divine love.”  
- Pt. Hari Prasad Chaurasia*

Preserving the classics is a noble endeavour. The SPIC MACAY seeks to provoke thought and a genuine spirit of enquiry in the young, about Indian classical art forms.

In the previous semester, the members of the IISER-K family witnessed a performance by world renowned flute maestro Padma Vibhushan Pandit Hariprasad Chaurasia, that was organized by the SPIC MACAY chapter of IISER-K. The mellifluous sounds of Panditji's flute mesmerized one and all. Students and faculty had the proud privilege to interact with the maestro. A day that they would all treasure for a lifetime.





## Other Important Events

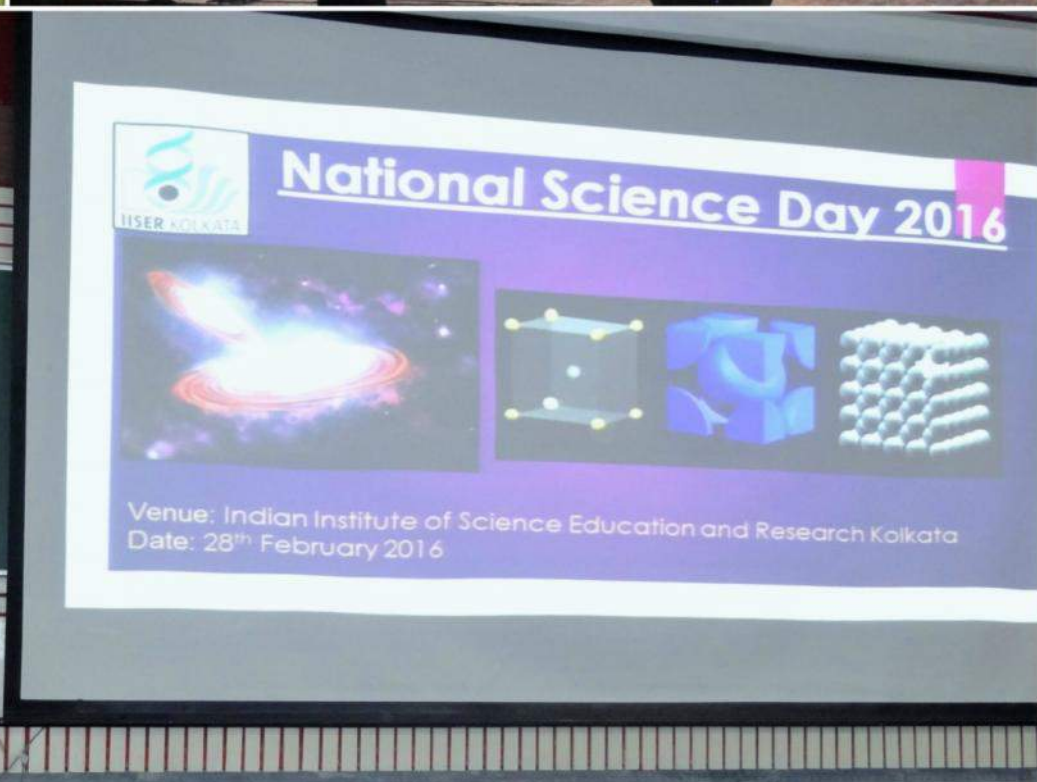
- Various Literary Events are organized by the Literary Club, from time to time. These events aim to foster a love for reading, writing and a passion for public speaking. The array of events include Compatibility Meter, Debates, Quizzes, Impromptu speeches, JAM sessions, Creative Writing Competitions, Panel Discussions, Poetry Competitions and much more.
- Students are also enthusiastic participants at the Science club, bringing the fun back into science and scientific hobbies. For the science-lovers, various events like Sky gazing, telescope observing, Science quizzes, trips, fun-filled experiments, special Lectures and a lot more interesting activities are organized by the Science Club.
- Various trips, Nature walks, lectures and demonstrations, like the Snake handling Demonstration held in the previous year, are organized by the Nature Club. There is a lot in store for Nature-lovers as well.
- For adventure-lovers and for those who have the passionate urge to conquer the mountains, the Trekking Club organizes trekking expeditions.
- 'Photo of the Month', is a title every photographer of IISER-K wants to seize for their outstanding captures.





Living away from their homes does not diminish the enthusiasm with which IISERians celebrate festivals. Be it a festival or an important day, IISER-K Students enthusiastically participate in the celebrations making the whole experience colourful and memorable. The cultural programmes bring people together in many ways that express a beautiful blend of ideas, traditions and values.





# Community Initiatives



# EK PEHAL

An IISER-K students' initiative for free education

*Ek Pehal* is a remarkable initiative dedicated towards transforming the lives of underprivileged children around the IISER Kolkata campus. A youth-led initiative by the students of IISER Kolkata, it empowers children of the underprivileged and rock-bottom strata of the society. They believe a small combined investment of knowledge for a noble cause can bring wonderful solutions to regional problems and global solutions.



# INQUIVESTA



*Come Spring, the lush green campus of IISER-K is filled with exuberance and excitement, as this is the season for the institute's annual science festival-INQUIVESTA. Inquivesta is India's first and largest science festival . Hosted by the students of IISER-K, Inquivesta has completed its sixth edition. This fest is getting bigger and better with every passing year. It sees a participation from schools and colleges around the country.*

*With mind-boggling and adrenaline-pushing events like CSI, L.O.S.T and HEADSHOT; technical events like BOTPRIX, BIOMIMETICS , JUNKYARD WARS and THRUST; events like ART in a CULTURE which tests your biology laboratory skills; BLACKBOOK, a graffiti event for the artistically minded; HEADSHOT for all the gamers out there; RATIONALE and JAMx for modern-day Ciceros – the epic journey of INQUIVESTA has a lot to offer.*



Inquivesta Presents

## LECTURE SERIES

powered by, *Science Club*, IISER K



### MAYANK N VAHIA

Professor, TIFR  
National Coordinator,  
Indian Astronomy Olympiad Programme

TITLE OF TALK :  
**History of Science (2 million years)**



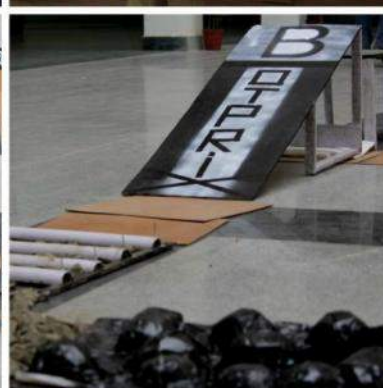
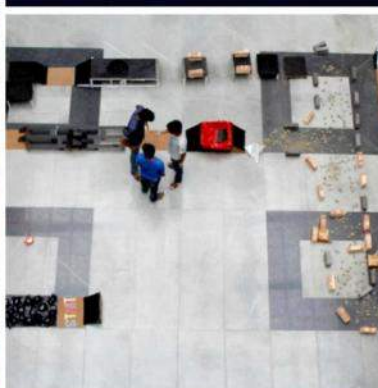
### UDAY MAITRA

Professor, IISc  
Chairman,  
Department Of Organic Chemistry

TITLE OF TALK :  
**DRUG DISCOVERY - Is it really that EASY**

Inquivesta also offers a special Guest Lecture series. These lectures promise to be an enjoyable yet enriching experience to the participants, that give students an opportunity to garner an invaluable experience and explore wider areas in science.





# Recent Achievements

- Four BS-MS students, one 5th year IPhD, Doctoral Student from IISER Kolkata got selected to attend 66th Lindau Nobel Laureates Meeting in Germany.

Below are the details of the selected students:

1. Ms. Sohitri Ghosh (4th year BS-MS, Master Student's category)
  2. Mr. Rajashik Tarafder (4th year BS-MS, Master Student's category)
  3. Ms. Ananya Mondal (4th year BS-MS, Master Student's category)
  4. Mr. Nishchhal Verma (4th year BS-MS, Master Student's category)
  5. Mr. Pamir Nag (5th year IPhD, Doctoral Student's category)
- Nine (9) BS-MS students from the institute have been selected for DAAD WISE fellowship. They interned in Germany during the summer of 2016.

1. Aaditya Panigrahi	DPS (3rd Year)	University of Bonn
2. Abhishek Som	DPS (3rd Year)	University of Hamburg
3. Debanuj Chatterjee	DPS (4th Year)	University of Stuttgart
4. Dhiman Ray	DCS (3rd Year)	MPI fur Kohlenforschung
5. Mrinmoy Pal	DBS (3rd Year)	University Medical Center Göttingen
6. Poornima Ramesh	DPS (3rd Year)	CAESAR Bonn
7. Sohitri Ghosh	DPS (4th Year)	TU Dortmund
8. Soumyajit Dutta	DBS (3rd Year)	University of Jena
9. Srijan Bharati Das	DPS (3rd Year)	MPI for Solar System Research, Gottingen



- Mr. Manmeet Singh, a PhD student in Prof. Jayasri Das Sarma's laboratory is the recipient of the 2015 Du Pré award. This prestigious research grant is awarded to young researchers from emerging countries by the Multiple Sclerosis International Federation (MSIF).
- Mr. Sashi Debnath, PhD student of Dr. Sanjio Zade, Associate Professor, Department of Chemical Sciences has been selected for the prestigious BHASKARA ADVANCED SOLAR ENERGY (BASE) INTERNSHIP PROGRAM supported by the DEPARTMENT OF SCIENCE AND TECHNOLOGY (DST), Govt. of India and the INDO-U.S. SCIENCE AND TECHNOLOGY FORUM (IUSSTF).
- BS-MS student Ajay Kumar's dissertation work (Supervisor: Dr Supriyo Mitra) had been published as a cover page article in the journal Tectonics.
- Anurag Kumar, INSPIRE research fellow in DES, working under Dr. Prasanta Sanyal was selected by International Atomic Energy Agency (IAEA) for the training course on the application of environmental isotopes in rivers and lakes that was held in Vienna, Austria.
- Ms. Anamika Shrivastava, PhD student of Dr. Sutapa Bose, Department of Earth Science was selected for Newton-Bhabha PhD placements programme 2015-16. She also received the Geological Society of America (GSA)'s International Travel Grant and recipient of International travel grant given by DST.

- Dr. Basudev Roy, former PhD student of Dr. Ayan Banerjee received Humboldt Research Fellowship for 2015.
- Debanuj Chatterjee and Bhavya Muvva from DPS were awarded 2015 Optics and Photonics Education Scholarship by SPIE, the international society for optics and photonics for their potential contributions to the field of optics.
- Mr. Himangshu Paul working under the supervision of Dr. Supriyo Mitra was offered a post doctoral position as a Marie Curie ITN Experienced Researcher to work at the Department of Earth Sciences, University of Cambridge.



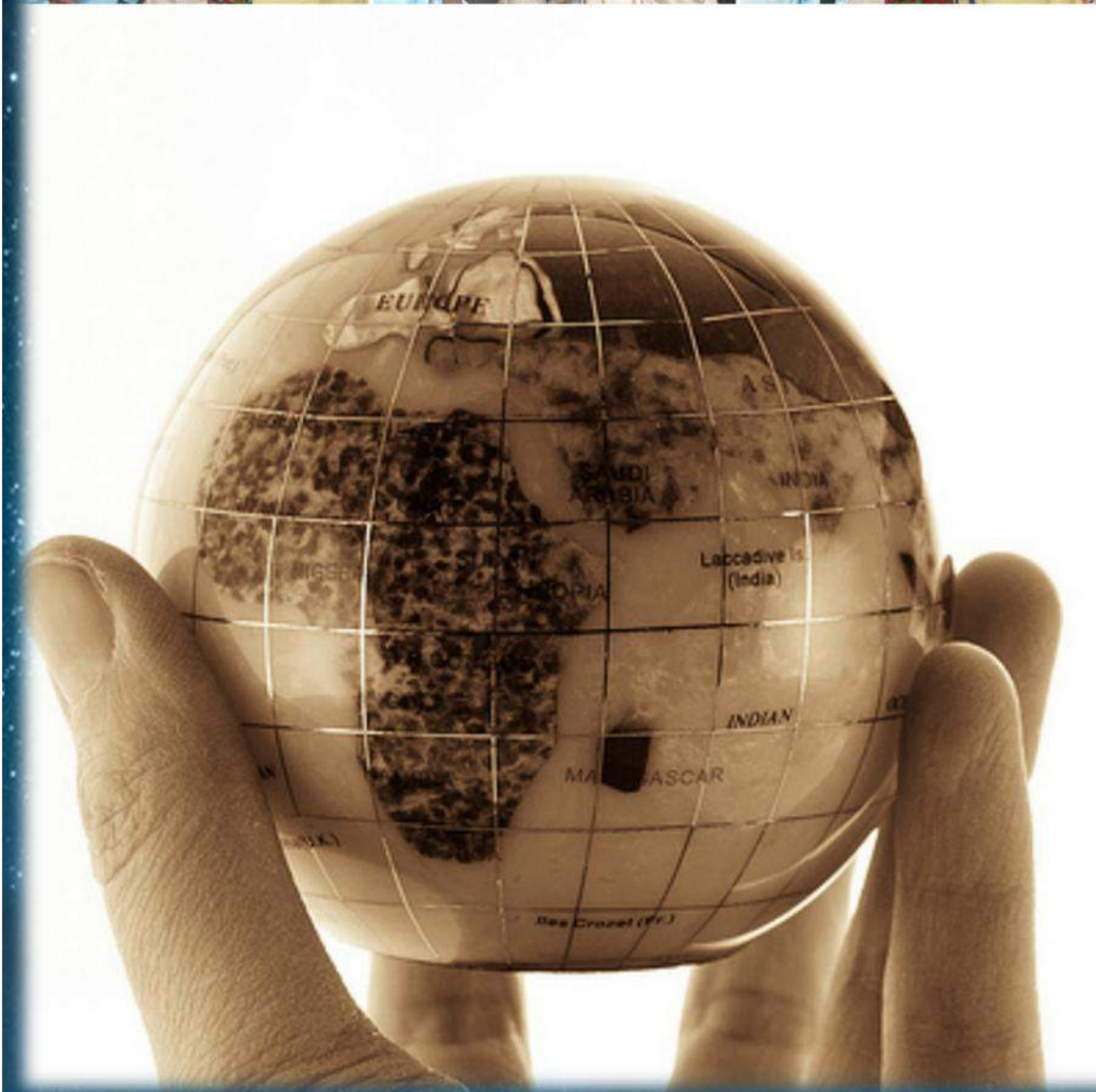


# Alumni

The alumni of IISER-K are of the highest calibre and enjoy the most prestigious reputations around the world. Many of them have reached positions of eminence in their selected fields of research. IISER-K recognises its alumni, who have distinguished themselves through their work in their respective fields and done the institute proud.

The institute's alumni have made it to a few of the world's best universities for further research, including institutes such as Cornell University, Max Planck Institute, University of Massachusetts, Johns Hopkins University, Oxford University, University of Göttingen, Yale University, Florida State University, University of California, New York University, IISc, IITs. They have brought laurels to the institute by excelling in their fields of specialization.







# Acknowledgement

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Deepjay Sarkar

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Puranjan Chatterjee

Arunita Banerjee

Bashubendra Roy





SAC's website: <http://www.iiserkol.ac.in/~sac/>

DoSA's website: <http://www.iiserkol.ac.in/dean-students/dean-students>

Alumni cell 's website: <http://alumni.iiserkol.ac.in/>