



IISER
BERHAMPUR

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान बरहमपुर
Indian Institute of Science Education and Research
Berhampur

तृतीय दीक्षांत समारोह
**3rd Convocation
Brochure**



शुक्रवार, जुलाई 21, 2023 | आषाढ ३०, १९४५, शक संवत् | Friday, July 21, 2023

3RD CONVOCATION

PROGRAMME

- 10:30 AM** Convocation Procession
- 10:35 AM** Invocation
- 10:38 AM** Chairperson, BoG announces the opening of the Third Convocation
- 10:40 AM** Welcome Address and Institute report by the Director
- 10:55 AM** Introduction of the Chief Guest
- 11:00 AM** Convocation address by the Chief Guest
- 11:20 AM** Introduction of the Chairperson, BoG
- 11:25 AM** Address by the Chairperson, BoG for the third convocation
- 11:35 AM** Convocation Pledge
- 12:45 PM** Award of Degrees and Medals
- 12:52 PM** Chairperson, BoG announces closing of the Third Convocation Ceremony
- 12:55 PM** National Anthem

Friday, July 21, 2023

VISION, MISSION AND VALUES

Vision

To contribute to the nation through all round development of excellent human resources for teaching and involved in cutting edge research expanding the frontiers of science and delivering solutions to major challenges of the world.

Mission

To offer an enriching and highly creative academic environment with opportunities to excel in a healthy environment where diversity, gender equality and balance is encouraged to solve local issues along with global challenges.

Values

- Highest level of academic excellence
- Interdisciplinarity
- Student centric policies with a focus on all round development
- Diversity and respect for women
- Societal outreach



The Master Plan for the IISER Berhampur's Vigyanpuri campus.

THE CHIEF GUEST



Dr. G Satheesh Reddy

FNAE, HFRAeS (UK), HFCSI, FRIN (London), AFAIAA (USA)

Former scientific Adviser to Raksha Mantri

Former Secretary, Department of Defence R&D

Govt. of India

Dr Satheesh Reddy, a renowned defence and aerospace scientist, acclaimed for his significant contributions to Defence R&D and technology leadership spanning several decades.

He graduated in Electronics & Communication Engineering (ECE) from JNTU Anantapur and holds MS degree and PhD in ECE from JNTU, Hyderabad. He joined Defence Research and Development Laboratory (DRDL) in the year 1986 and subsequently at Research Centre Imarat (RCI), the brain child of Dr Kalam, after its formation.

He started his journey as a young navigation engineer and later as Technology Director developing many inertial sensors and diversified hybrid navigation systems making India self-reliant in navigation technologies. As Project Director, he developed the India's first guided bomb paving way for indigenous development of long range smart precision weapons. Dr Reddy spearheaded the development of advanced avionics as Director, Research Centre Imarat (RCI) and headed Dr APJ Abdul Kalam Missile Complex as Director General, Missiles and Strategic Systems.

During his illustrious career, he held many prestigious appointments in Government of India as the Secretary Department of Defence R&D, Chairman, Defence Research and Development Organisation (DRDO), Director General, Aeronautical Development Agency (ADA) & the Scientific Adviser to Raksha Mantri (SA to RM).

He led the development of missiles, strategic systems, fighter aircrafts, unmanned aerial defence systems, underwater systems, radars, electronic warfare systems, armoured vehicles, armaments & other advanced technologies. His phenomenal contributions made India self-reliant in many critical areas and enhanced defence exports substantially. Dr Reddy is the chief architect of country's first Anti-Satellite missile test (ASAT) "Mission Shakti", elevating India to the elite club of four nations.

His notable contributions for development of Hypersonic technology demonstrator vehicle, a series of new generation long and short range missiles, Air Independent Propulsion for submarines, Advanced Towed Artillery Gun System (ATAGS), Drone & Anti-drone systems, Light Weight Tanks and Precision Guided Munitions among many others have been transformative for enhancing the defence capabilities of India.

A visionary, Dr. Reddy was instrumental in formulation of many progressive policies, strategies & initiatives for strengthening defence R&D eco-system in India. He established state-of-the-art technical infrastructure, DRDO-Industry-Academia (DIA) centres of excellence, young scientist laboratories and facilitated participation of private industry, MSMEs, Startups & Academia in a big way.

He played a vital role in combating COVID-19 pandemic. Under his leadership, DRDO developed more than 75 products including high-end ventilators, large oxygen plants, anti-Covid drug 2-DG, personal protective equipment (PPE) and transferred the technology to over 100 industries & built many COVID hospitals across the country.

In recognition of his path-breaking contributions to Defence R&D, he has received numerous International, National and DRDO awards.

He is the first Indian in over 100 years to be conferred with the prestigious Honorary Fellowship and Silver Medal by the Royal Aeronautical Society London, an internationally renowned Scientific Society founded in 1866. He is the first recipient outside the USA in over four decades to be honoured with the prestigious Missile Systems Award by American Institute of Aeronautics and Astronautics (AIAA), world's largest Aerospace Technical Society.

Other distinguished awards conferred on Dr Reddy include National Aeronautical Prize, National Systems Gold Medal, National Design Award, Astronautical Society of India Aryabhata Award, the first IEI-IEEE (USA) Engineering Excellence Award, Homi J Bhabha Gold Medal, Scientist of the Year and Young Scientist Award from Hon'ble Prime Minister of India.

For his sustained R&D contributions, he has been honoured and inducted as Honorary Fellow, Honorary Member, Foreign Member, Fellow and also as part of Governing Bodies of over 35 scientific, professional and academic institutions spread across India and abroad. He has been conferred with over 25 Honorary degrees of Doctorate from reputed institutes.



IISER Berhampur is nestled between Eastern Ghats and Bay Of Bengal



Shri Sudhir Uttamlal Mehta
Chairman BoG, IISER Berhampur



Prof. Ashok K Ganguli
Director, IISER Berhampur



Indian Institute of Science Education and Research, Berhampur

Indian Institute of Science Education and Research, Berhampur is one of the seven IISERs created to be the centre for scientific excellence in India . Established in 2016, the institute was later declared as the institute of National importance under NITSER Act, 2007.

Since its inception 45 students from 2016 batch and 62 from 2017 batch have graduated with BS-MS degree from IISER Berhampur across various disciplines like Biological, Chemical, Mathematical and Physical Sciences. This year we have 102 students graduating from the 2018 batch with BS-MS degree. Four students from iPhD programme are exiting with MS degree. It is a matter of pride that the Institute will confer PhD degrees for the first time. Two Research Scholars will get Doctorate in Science.

Currently, in the 2022 BS-MS course 193 students from different parts of the country secured admission at IISER Berhampur.



Members of the Board of Governors

- Shri Sudhir Uttamlal Mehta**
Chairman, Torrent Ltd.
Off Ashram Road
Ahmedabad, Gujarat
- Professor Ashok Kumar Ganguli**
Director & Professor, IISER Berhampur
- Professor Govindan Rangarajan**
Director, Indian Institute of Science Bangalore,
Bengaluru 560012
- Professor Shreepad Karmalkar**
Director, IIT Bhubaneswar
Khurda 752050
- Dr Rajesh Gokhale**
Secretary to Government of India
Department of Science and Technology
Ministry of Science and Technology
New Delhi 110003
- Dr. Ajit Kumar Mohanty**
Secretary, Dept. of Atomic Energy,
Anushakti Bhavan, Chhatrapati Shivaji Maharaj Marg,
Mumbai 400001
- Sri Pradeep Kumar Jena , IAS**
Chief Secretary, Govt. of Odisha,
Bhubaneswar 751001
- Professor Yogendra Sharma**
Dean, Faculty Affairs,
IISER Berhampur
- Professor Joydip Mukhopadhyay**
Dean, Academic Affairs,
IISER Berhampur
Berhampur 760010
- Professor Raghavendra P. Tiwari**
Vice-Chancellor
Central University of Punjab, Bhatinda
- Dr. Ruchi Badola**
Senior Scientist, Wildlife Institute of India, Dehradun
- Shri Sanjog Kapoor**
Joint Secretary & Financial Advisor
Ministry of Education, Shastri Bhawan
New Delhi 110001

Non-Member

Sri Pradeep Kumar Ray
(Non-Member Secretary)
Registrar, IISER Berhampur

Director's Report

IISER Berhampur, the youngest of the seven IISERs, continues to attract young scientific talents and provide them with a platform to learn cutting-edge science and conduct cutting-edge research in pioneering scientific fields. IISER's philosophy is to integrate education with research so that undergraduate teaching as well as doctoral and postdoctoral research can be carried out in symbiosis. With an up-to-date curriculum, cutting-edge research laboratories and renowned faculty, IISER Berhampur is on a mission to equip the nation with the scientific resources it needs for the 21st century. We pride ourselves to focus on student centric policies and a holistic and all round development of personality.

The Institute continuously strives to develop modern academic infrastructure and resources for high-quality education and scientific research. IISER Berhampur conducts BS-MS (double degree), Integrated PhD and PhD programs as well as postdoctoral research training in an intellectually dynamic atmosphere. I am pleased to share with you that a total of 102 students in the class of 2018 completed their BS-MS dual degree program. Today, we are all gathered here to celebrate the 3rd Convocation of IISER Berhampur and to honor and bless these brilliant young minds. With the third group of BS-MS students graduating today, 634 BS-MS students, 75 doctoral students and 19 iPhD students, a total of 728 would have benefitted from the rich academic and research environment available at IISER Berhampur.

Highlights of academics

Our 2022-2023 academic session began in our permanent campus on August 4, 2022. During this academic year a new 4-year BS Programme in Earth and Environmental Sciences was introduced. The course curriculum is designed in such a fashion that it establishes knowledge about the present and future of our planet and delves into the challenging domains of climate change, global warming, alternative energy, CO₂ sequestration, natural hazards and mitigation etc. The students completing this degree, will be competent for careers in academia, research and in industry.

Our Integrated Ph.D. (iPhD) programme is being coordinated efficiently with 21 students registered. Our intake for this course is via several entrance programs such as JAM (Joint Admission Test for Masters), JEST, JGEEBILS, NBHM, etc.

We are proud to share that two of our PhD students We are proud to share that two of our PhD students, Ms. Purbasha Dasgupta and Mr. Mahesh Kumar Ram have successfully completed and defended their thesis work and will be receiving their degree today. My heartiest congratulations to them and their supervisors.

The Permanent campus

During the 2022-2023 academic year our 1st, 2nd and 3rd year students moved to occupy the hostel in our Permanent Campus. We have so far occupied the Boys' Hostel to accommodate boys and girls on the different floors. The Kitchen & Dining block is being used as a student mess at ground floor, while the first floor is being utilized as a 200-seater classroom and a library. The Health Centre building is being utilized as make-shift classrooms for the 3rd year students. The Visitors Hostel (Guest House) is also being utilized additionally for meetings & classroom studies. The Community Centre and Commercial Centre are in the final stage, except for final finishes and external developmental works. I am happy to say that after I joined, I moved to the new Director's Residence in the Permanent Campus.

With the present strength of female Students, and possible influx during the admission for the next academic session in August 2023, we would populate Girls' hostel which has just been completed. Blocks 1, 2, and 7 of the Academic Block are next in the pipeline, which are required urgently to start the Laboratories and Classroom studies. Some residential towers are towards completion of some staff on the campus. Hopefully, these will be handed over to us by October 2023.

After I joined, I went around the site, and submitted my observations on the construction to the CPWD. As per my thoughts, the library block and a few residential towers are lagging much behind. We have asked the CPWD to expedite the construction work. As informed by CPWD only 75% of the construction work is complete. Boundary wall work is also progressing fast & is expected to be completed by November 2023. Efforts are being made to expedite the construction of peripheral roads in order to avoid the public through the campus. We are hopeful of completing charging of the 33 KV line soon which would allow in planning research facilities on the campus.



The Boys hostel was occupied in the academic year 2022-2023

Girls Hostel complex is now ready to be occupied from August 2023





Visitors Hostel at Permanent Campus was opened in December 2022.



Kitchen and Dining complex is operational from August 2022.



Work on Block 2 and Block 1 in the Academic Complex is in full swing.

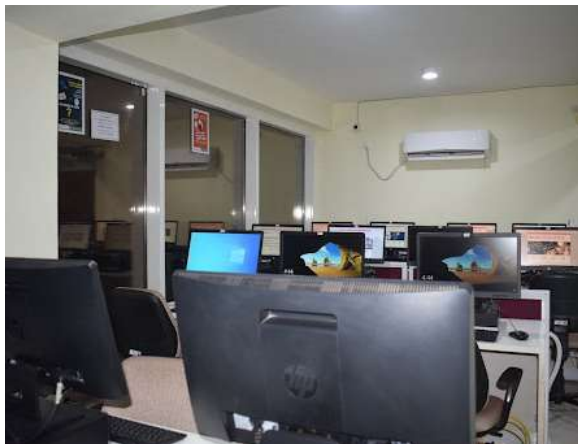




Aerial view of the upcoming sports complex. Currently, we have 4 tennis court, a racing track, and a basketball court functional .

Computing and Networking Infrastructure

In order to provide seamless connectivity to the outside world, 1 Gbps internet connectivity was operationalised through the National Knowledge Network (NKN) at our permanent campus. This 1 Gbps link acts as primary connectivity, where a 500 Mbps leased line through BSNL serves as a secondary ILL circuit. The Institute has newly installed advanced servers of 2 X 12 core intel Xeon processor E5-2650 @ 2.2 GHz with 30 MB L3 Cache, IQI 6.40 GT/s, 32 GB DDR4 2400 MHz, hot plug SAS Hard Disk for running our own internal/external DNS, storage services, Websites and personal homepage hosting services for academic staff. A new Computer Lab with 50 high-end systems and a high-speed internet facility has been installed at the permanent campus. The computer lab is fully equipped with systems and the latest software with an environment to implement and experiment with knowledge acquired in the classroom.



Research and Development: Infrastructure and Activities

It is a matter of satisfaction to share with you all that during the past six years, the IISER Berhampur has strengthened itself with a whole range of instrument arsenal required for cutting-edge science. We have a rich Central Advanced Instrument Facility which caters to not only our needs, but other research institutions too. Some major instruments which are part of this Facility are: 700 and 400 MHz NMR spectrometers, a mass spectrometer, fluorescence spectrometers, various chromatographic systems, calorimeters, ultracentrifuge and even our own liquid nitrogen plant.



We have installed a High Performance Computing facility. Single Crystal X-Ray Diffraction System, 200 KV Cryo TEM Core System, Multi-Channel Cross Linker, Femtosecond transient Absorption Spectrophotometer and Femto-second amplified LASER along with optical parametric amplifier system and accessories, Impedance Analyzer, Quadrupole Inductively Coupled Plasma Mass Spectrometer, Multi-Functional XRD, 400 MK UHV STM with 2-2-9 TSC Magnet.

State-of-the-art Next Generation Sequencing (NGS) and Single Cell Sequencing Modules have been established as part of our Genomics Core Facility at IISER Berhampur Transit Campus. Advanced FACS system is established for cell sorting investigations.



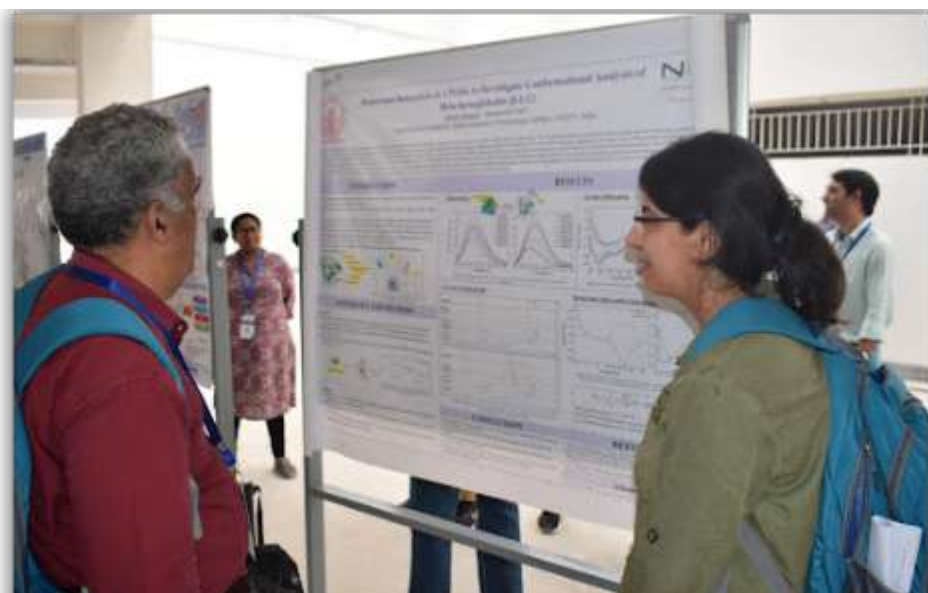
Various national and international conferences have been organized on our permanent campus. EMBO-Lecture series was conducted at the permanent campus during 11-17 December, 2022



The 28th Annual Symposium of the National Magnetic Resonance Society of India and International Conference on Magnetic Resonance in Biomolecules and Biomedicine was held during 24-27 February 2023 at Permanent Campus, IISER Berhampur.



A total of 200 participants including 65 stalwarts in Magnetic resonance from India and 9 international speakers delivered presentations.







PROJECT SPIRAL
Presents

G-20 Maths Seminar

About the speaker: Prof. Kumar Murty is a mathematician of Indian origin working as a professor at the University of Toronto, Canada. Prof. Murty is also the director of the prestigious Fields Institute. Prof. Kumar Murty has done several influential works in the areas of analytic number theory, algebraic number theory, arithmetic algebraic geometry and information security. Prof. Murty is a wonderful teacher and has authored several articles and books. Prof. Murty is founder of GANITA lab, co-founder of Prata Technologies and PerfectCloud. Prof. Murty also has 2 US patents (a very uncommon feat for Mathematicians). Prof. Murty is bestowed with several awards for his vast contributions. To name a few, Coester-James prize (1991-92), inventor of the year 2011, University of Toronto. Prof. Murty is elected fellow of several prestigious societies, most notably he is a fellow of the royal society of Canada. He is also an elected fellow of the National Academy of Sciences, India. Prof. Murty has held several administrative roles - secretary of the royal society of Canada, vice president of Canadian Mathematical Society, to name a few. He is also interested in mathematics.



Speaker - Prof. Kumar Murty
(Department of mathematics,
University of Toronto)

Title:
The mathematics of information technology -the road ahead.

Abstract:
The talk will describe several facets of mathematics in information technology, in particular its role in online security.
In the future, the big challenge will be math in the life sciences. We shall highlight this important role mathematics is going to play.

Wednesday, Apr 19, 2023  Zoom (Online) Meeting ID: 983  LH-1 Transit

A special seminar was organised by Project Spiral (science club of Department of Mathematics) on Mathematics of Information Technology. This was delivered by Prof. Kumar Murthy, University of Toronto.



Prof. Olivier Ramare, a renowned number theorist from Marseille Universite (CNRS) visited IISER BERHAMPUR for collaborative research in December 2022 and delivered a colloquium with the title 'Primes, Ramanujan and Scientific thinking'. Dept. of Mathematics, IISER Berhampur contributed in organizing a three week summer program in mathematics (SPIM) in May 2022 at Kerala School of Mathematics (KSOM), Kerala to motivate first year MSc students to do research in mathematics.



The Institute hosted the Padma Bhushan Prof. K Vijay Raghavan, Former Principal Scientific Adviser to the Government of India to deliver Prof. P K Parija Lecture on Friday, March 24, 2023.

Achievements of our faculty

As of now, we have a faculty strength of 39, 3 Professors, 1 Associate Professor and 35 Assistant Professors.



The faculty could procure more than 27 externally funded R&D projects with the total project value amounting to ₹ 9.00 crores. They continued to publish in high impact journals and the number of publications is increasing year after year. I take pride in sharing that several BS-MS students have contributed as co-authors in some of them.

S. No.	Name of the PI	Project Title	Funding Agency	Fund Amount (Lakh ₹)
1	Dr. Jose Sebastian	Environmental regulation of Crown Root Development in the Monocot Model SPS <i>Setaria Viridis</i>	DBT	32.50
2	Dr. Rakesh Kumar Pathak	Multifaceted Platinum Based Therapeutics: Synthesis and Biological Evaluation of combination Prodrugs and Nanoparticles	SERB	38.00
3	Dr. Seshadri Chintapalli	Stability and embedding properties of some projective manifolds	SERB	35.00
4	Dr. Ritabrata Sengupta	Quantum information	DST	54.40

5	Dr. Adinarayana Doddi	N-Heterocyclic Carbenes Supported Anionic Sila and Germanylidenes and Applications in Homogeneous Catalysis as New Ancillary Ligands	SERB	38.00
6	Dr. Vinay Bulusu	Metabolic Organisation and Regulation in KRAS driven Pancreatic Ductal Adenocarcinoma	DBT	42.50
7	Dr. R Selvi Bharathavikru	Kidney tissue homeostasis role of epitranscriptome in podocyte biology	DBT	42.50
8	Dr. Arun Kumar Krishnan	Chemosensation in Eukaryotes: Deciphering the hidden biology of sensory GPCRs across life	DBT	42.50
9	Dr. Arun Kumar Krishnan	Deciphering the lineage-specific expansion, inter, intraspecific and applicable sex-specific variations of chemosensory receptors in Lophotrochozoans and non-bilaterian metazoans: Utilising the fauna of Chilika Lake and East-coastal regions of India.	SERB	23.86
10	Dr. Vivek Tiwari	Investigating Metabolic Reprogramming associated with Tumor Cell Proliferation Rate in WHO classified glioma subtypes based on IDH, 1p19q, and MGMT Molecular Markers: Proton and Carbon-13 Nuclear Magnetic Resonance (NMR) based Metabolic Consumption, Release and Kinetics Measurement	SERB	25.28
11	Dr. Vivek Tiwari	Development of an Artificial Intelligence based Radiomics Brain MRI Platform to Generate Post-Contrast Images without Performing Gadolinium-injected-MRI for clinical decisions in GliomaPatients: A novel strategy to bypass contrast injected MRI"	ICMR	74.70
12	Dr. Victor Mukherjee	Control in Quantum Technologies	SERB	6.6
13	Prof. Yogendra Sharma	Financial assistance for award of J C Bose fellowship	CCM B	19.00
14	Dr. Thirupathi Barla	A Convergent Synthetic Platform to Access Marine Natural Products, Conoidecyclics A, B, and C	SERB	40.44
15	Dr. Rakesh Kumar Pathak	Utilising the Principles of Coordination Chemistry to Develop Combination Prodrugs and Nanotherapeutics with a Synthetic Lethality- Like Concept.	SERB	42.26

In addition, the faculties have earned various awards and honours:

Dr. Thirupathi Barla received the Thieme Chemistry Journal award 2023.

Dr. Sulakshana Mukherjee was appointed as the General Secretary of National Magnetic Resonance Society, India for one year from 2022 to 2023. EMBO Lecture Course on 'Structure, dynamics and interactions in biomolecular systems using NMR spectroscopy' was organized from 12-16 December 2022 at IISER Berhampur. This was the first academic meeting held at IISER Bpr with speakers from around the world.

Dr. Adinarayan Doddi served as a Jury member at RSC-Dalton & IISER Desktop Virtual Mode Seminar Series.

28th Annual Symposium of National Magnetic Resonance Society of India (NMRS 2023) and International conference on Magnetic Resonance in Molecules and Medicine was organized during 24 - 27 February, 2023 at IISER Berhampur. The meeting witnessed 210 participants staying on campus.

Dr. Prem Prakash Pandey (together with Dr. Azizul Hoque and Prof Kalyan Chakraborty) was an organiser of the fifth edition of ICCGNFRT (international conference on class groups of number fields and related topics) at the Kerala School of Mathematics.

Dr. R Selvi Bharathavikru was selected as the Young Investigator participant for the YIM 2023 Meeting, IIT Gandhinagar, February 2023

Dr. Vivek Tiwari has been inducted as Scientific advisory board member at India Honey Alliance and Chief MRI Advisor at Axess Dr group of companies.

Dr. Ajay Perumal from the Dept. of Physics and a multi institute team has been selected for 'Challenge Awards 2021 on Solar Energy'.



Outreach Activities

IISER Berhampur was made one of the ten anchor institutions in Odisha by the Ministry of Education (MoE) and Ministry of Skill Development and Entrepreneurship (MSDE) to conduct Jan Bhagidari events as part of India's G20 presidency. The institute was given the task of conducting these events in 4 districts in Odisha: Ganjam, Nayagarh, Kalahandi and Nuapada. Accordingly, a committee of administrative staff, faculty, sports staff and scientific officers was formed to conduct these activities and financial assistance for the same was provided. These activities were initiated on April 1st, 2023 on the occasion of Utkal Dibas in the main campus of IISER Berhampur. Banners, posters, merchandise including T-shirts and caps were printed based on the prescribed format and were circulated amongst faculty, administrative staff and students.



Learning Environmental Laws Through Theatrics on May 20, 2023. BS-MS First-Year Students in 10 Groups Performed 10 Plays Highlighting the Environmental Laws.



As part of the Azadi ka Amrit Mahotsav and Mission LiFE celebration, IISER Berhampur organized a health camp on May 17, 2023 at Kirtipur village under Laudigaum panchayat (Rangeilunda Block) with the theme Anaemia Mukta Bharat, mostly for women and children.



As a part of Azadi Ka Amrit Mahotsav, IISER Berhampur celebrated World Blood Donor Day 2023 as "Raktdaan Mahotsav" on June 13, 2023. A total of 41 staff and students donated blood during the camp.



IISER Berhampur organized a health camp on June 30, 2023 at Tulu village, under the Indrakhi Panchayat, in Ganjam District, Odisha. The theme of the camp revolved around "Health for all," reflecting the Institute's commitment to promoting well-being in rural areas.

IISER Berhampur organised a special open day for Students of Kendriya Vidyalaya , Ambapua Berhampur. The students had a tour within the institute and were shown Biology, Physics and Chemistry labs along with a demonstration of genetics of fingerprints.



Students getting introduction to Physics lab



Students getting introduction to Chemistry lab



Students getting demonstration of genetics of fingerprinting



Students getting career counseling

As part of the outreach activities, Prof. Ashok Kumar Ganguli, Director, IISER Berhampur delivered a talk on "Gifts of Science to Society" during a Science Awareness Workshop held at Berhampur University on July 14, 2023.

During the lecture it was emphasized that scientifically we all can contribute a lot to the society to make it healthy and progressive.




ବ୍ରହ୍ମପୁର ବିଶ୍ୱ ବିଦ୍ୟାଳୟରେ ବିଜ୍ଞାନ ସଚେତନତା କର୍ମଶାଳା




ବ୍ରହ୍ମପୁର (ଓଡ଼ିଶା): ବ୍ରହ୍ମପୁର ବିଶ୍ୱ ବିଦ୍ୟାଳୟ ପରିସରରେ ଏକ ବିବିଧାନ୍ତ ବିଜ୍ଞାନ ସଚେତନତା କର୍ମଶାଳା ଅନୁଷ୍ଠିତ ହୋଇଯାଇଛି । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ମୁଖ୍ୟ ଅତିଥି ଭାବେ ବ୍ରହ୍ମପୁର ବିଶ୍ୱ ବିଦ୍ୟାଳୟ କୁଳପତି ପ୍ରଫେସର ଗାଡ଼ାଜନି ଦାସ, ମୁଖ୍ୟବଳା ଭାବେ

ବ୍ରହ୍ମପୁର ଆଇଡିଆ ଲିଭେଣ୍ଟର ପ୍ରଫେସର ଅଶୋକ କୁମାର ଗାଙ୍ଗୁଲି ଓ ସମ୍ମାନିତ ଅତିଥି ଭାବେ ପ୍ରାଚୀନବିଦ୍ୟାଳୟ ବିଭାଗର ମୁଖ୍ୟ ପ୍ରଫେସର ସୁଶୀଳା କୁମାର ବରାଳ ଯୋଗ ଦେଇଥିଲେ । ବିଶ୍ୱ ବିଦ୍ୟାଳୟ କୁଳନ ସମ୍ମିଳନୀ ଦକ୍ଷିଣ ଆନ୍ଧ୍ରପ୍ରଦେଶ ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ମୁଖ୍ୟବଳା ଶ୍ରୀ ଗାଙ୍ଗୁଲି ବିଜ୍ଞାନର ସୃଷ୍ଟି ବିଷୟରେ ସ୍ତୋତାକୁ କୁଣ୍ଠାଇଥିଲେ । ୮୦୦ରୁ ଅଧିକ ଆମ ପାଖରେ ବିଭିନ୍ନ ପୁସ୍ତିକା ନଥିବା, ଉଚ୍ଚରକମର ପୁସ୍ତିକା ନ ଥିବା, ବର୍ତ୍ତମାନ ବିଜ୍ଞାନ ଯୋଗୁଁ ସବୁ ସମ୍ଭବ ହୋଇପାରିଥିବା ସେ କହିଥିଲେ । ଜଣେ ଭଲ ବିଜ୍ଞାନୀତ ହେବା ପାଇଁ ନିଜର ଇଚ୍ଛାଶକ୍ତି ଓ ବିଜ୍ଞାନ ପ୍ରତି ଆଗ୍ରହ ଆବଶ୍ୟକ ବୋଲି କୁଳପତି ପ୍ରଫେସର ଗାଡ଼ାଜନି ଦାସ କହିଥିଲେ । ଏହି କାର୍ଯ୍ୟକ୍ରମରେ ବିଜ୍ଞାନ ବିଭାଗର ପ୍ରଫେସର ମନଜ କର ବହୁ ବିଦ୍ୟାର୍ଥୀ ଉପସ୍ଥିତ ଥିଲେ ।

EXTRAMURAL LECTURE SERIES : BERHAMPUR UNIVERSITY

TOPIC : GIFTS OF SCIENCE TO SOCIETY



Prof. Ashok Kumar Ganguli
(Director, IISER Berhampur)

Founding Director, INST, Mohali

Fellow, Indian Academy of Science
Fellow, National Academy of Science
Fellow, Royal Society of Chemistry
Fellow, Asia-Pacific Association of Materials
CRSI-Silver, Bronze & CNR Rao Award

Venue:
New Conference Hall

14th July 2023
02:30 PM, Friday

Co-ordinator : Dr. B. Rajan, BU
Joint Director IISER | Dr. L. Nayak, BU

There are more such outreach activities planned to be conducted this month at the Institutions and Schools in the City..

AAs part of G20 Jan Bhagidari events, several faculty members passionately gave awareness talks in schools and colleges in Berhampur on various topics. All the talks were received with great spirit and this has nicely set up our future outreach activities program.



Dr. Rakesh Pathak, giving talk at Paria Maharaj Engineering College, Berhampur



Dr. Shanti Swaroop Srivastava gave a talk at Gayatri Institute of Science and Technology, Berhampur



Dr. Azhar Shaikh giving talk at Saraswati Degree Vidya Mandir



Dr. Adinarayana Duddi and Dr. Mukund Ramakrishnan gave talks at College of Pharmaceutical Sciences, Berhampur



Achievements by our PhD and BS-MS students on global platforms

The talent and power of our students have been recognised on the global scale. I must share with you some of such achievements.

(i) Best Poster Awards at 10th Annual Meeting of Chemical Biology Society (India) and National Conference on Recent Advances in Chemical Sciences

Mr. Arka Banerjee and Ms. Megha Biswas, PhD students in the group of Dr. Rakesh Pathak received Best poster awards.

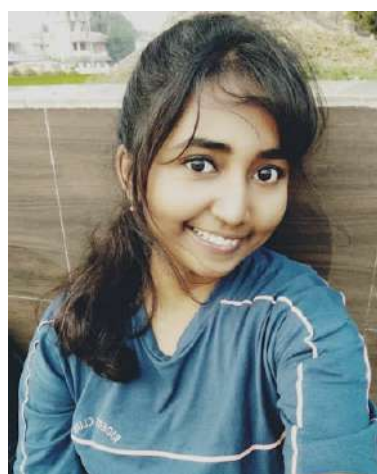


(ii) IUPAB sponsored Travel Award

Mr. Niraj K. Gupta, PhD student of the Dept. of Biological Sciences was awarded with a travel award Euro 1000 to participate at the Annual Meeting of International Society for Magnetic Resonance in Medicine (ISMRM), 2023 at Toronto, Canada .

(iii) PMRF Fellowship

Several of our students Ms. Chanda Debnath in the group of Dr. Shikha Gandhi, Mr. Indra Banerjee in the group of Dr. Ujjal Dey, and Ms. Harsha Shankar in the Dept of Biological sciences have received a prestigious PMRF fellowship to pursue their PhD.



(iv) IUSSTF Sponsored Hargobind Khorana Fellowship to the BS MS Students

Mr Pratyush Mishra (BS-MS 2019) and Ms. Neeharika Raghuram (BS-MS 2020) have received IUSSTF Sponsored Hargobind Khorana Fellowship to pursue Summer Research in the prestigious universities of USA.

(v) India-EMBO Lecture course on Modeling development and disease with human tissue organoids

Ms. Neha Yadav, PhD student in the group of Dr. Vivek Tiwari at Dept. of Biological Sciences received Best Poster award at the India-EMBO Lecture course on Modeling development and disease held during Feb 6-9, 2023 at InSTEM, Bangalore.



(vi) The Silver Medal in the iGEM Competition:

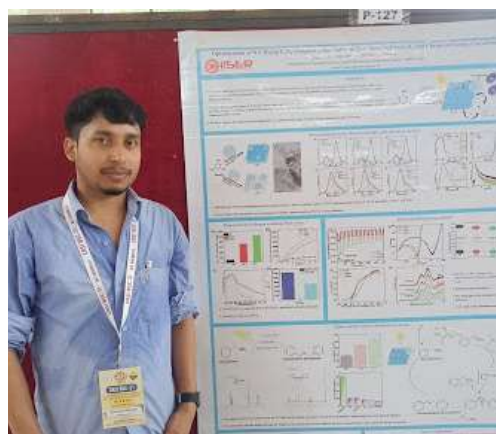
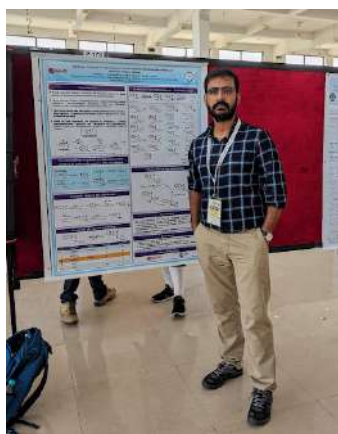
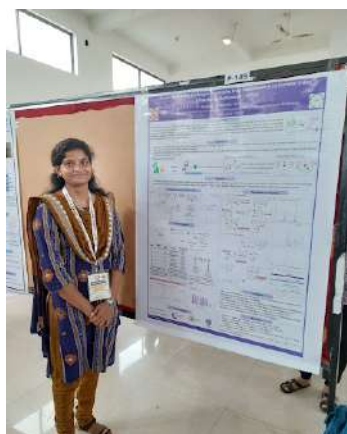
A team of students comprising Ms. Neeharika Raghuram (BS-MS 2020) and Ms. Hanan Fathima (BS-MS 2020), Mr. Saran Valsan, Ms. Alphonza Joseph (BS-MS 2019) as core members from IISER Berhampur have won the Silver medal in the International Genetic Engineering Machine (iGEM) Foundation competition of 2022 in Paris, competing against other 300 international teams. The iGEM competition, organised by the iGEM Foundation, is dedicated to the advancement of synthetic biology and education. Our team developed a comprehensive research work towards development of Aptamer based detection kit for Urinary tract infection at point of care.



(vii) Mr. Dipankar Singha, PhD students in the group of Dr. Malay K Rana awarded with Best poster award at the conference on Emerging smart materials in applied chemistry (ESMAC-2022) during December 20 – 22, 2022 at KIIT Bhubaneswar.

(viii) Best Poster Awards at 31st CRSI National Symposium in Chemistry :

Three of our students were awarded with Best Poster award: Mr. Ramesh Mandal, PhD student in the group of Dr. Santanu Bhattacharyya, Ms. Satabdee Tanaya Shahoo, PhD student in the group of Dr. Prosenjit Daw and Mr. Subhamoy Mukhopadhyay in the group of Dr. Shikha Gandhi received the best poster awards at 31st CRSI National Symposium in Chemistry held at Rourkela in July 2023.



(ix) Best poster award by Royal Society of Chemistry–Dalton Transactions:

Mr. A. K. Sahoo from the group of Dr. Adinarayan Doddi received best poster award at the International Conference on Main Group Synthesis and Catalysis (ICMGSC-2023); held at IISER Thiruvananthapuram, 9-12th Feb 2023;

MoUs

During the last one year, we have undertaken following MoUs:

MOUs on Education and Research				
S. No.	Date of commencement	Agreement	Particular	Term
1	12-July-2022	MoU	MoU between the Ministry of Education and IISER Berhampur for the year FY: 2022-23	2022-23
2	15-July-2022	MoU	MOU between IISER Berhampur & Bhubaneswar City Knowledge Cluster Foundation (BCKIC), Bhubaneswar, Odisha	3 years
3	12-Aug-2022	MoU	MOU between IISER Berhampur & NISER Bhubaneswar on Institutional collaboration in education and research	5 years
4	22-July-2022	MoU	MOU between IISER Berhampur & Berhampur University for Scientific and Educational Cooperation	
5	14-Feb-2023	MoU	MOU between IISER Berhampur and Hyderabad Eye Research Foundation for research and educational cooperation	



List of Graduating Students BS Degree with Distinction

S. No.	Roll No.	Name of the Student	Degree Awarded
1	18008	Amlandeep Nayak	BS (with distinction)
2	18029	Chitrak Bhowmik	BS (with distinction)
3	18063	Preity Sukla Sahani	BS (with distinction)
4	18072	Ritika Sethi	BS (with distinction)
5	18092	Soumyadeep Saha	BS (with distinction)
6	18107	UAbinash Patro	BS (with distinction)
7	18115	Tanishta Bhattacharya	BS (with distinction)
8	18131	Baibhav Srivastava	BS (with distinction)
9	18141	Ankita Misra	BS (with distinction)
10	18149	Sudev Pradhan	BS (with distinction)
11	18155	Sandra S	BS (with distinction)
12	18017	Ashutosh Panigrahi	BS (with distinction)

List of Graduating Students MS Degree with Distinction

S. No.	Roll No.	Name of the Student	Degree Awarded
1	18008	Amlandeep Nayak	MS (with distinction)
2	18028	Chinmaya Kumar Sahoo	MS (with distinction)
3	18029	Chitrak Bhowmik	MS (with distinction)
4	18044	Jyoti Ranjan Biswal	MS (with distinction)
5	18047	Manish Dwari	MS (with distinction)
6	18049	Mayurakshi Mukherjee	MS (with distinction)
7	18062	Pratyush Tripathy	MS (with distinction)
8	18063	Preity Sukla Sahani	MS (with distinction)
9	18072	Ritika Sethi	MS (with distinction)
10	18077	Samikshya Kar	MS (with distinction)
11	18092	Soumyadeep Saha	MS (with distinction)

12	18093	Soumyodeep Das	MS (with distinction)
13	18107	U Abinash Patro	MS (with distinction)
14	18115	Tanishtha Bhattacharya	MS (with distinction)
15	18121	Gayatri Subhalaxmi	MS (with distinction)
16	18125	Nisha Kumari	MS (with distinction)
17	18130	Prajwal Patil	MS (with distinction)
18	18131	Baibhav Srivastava	MS (with distinction)
19	18139	Neehar Verma	MS (with distinction)
20	18140	Poulomi Dam	MS (with distinction)
21	18141	Ankita Misra	MS (with distinction)
22	18149	Sudev Pradhan	MS (with distinction)
23	18155	SANDRA S	MS (with distinction)
24	18017	Ashutosh Panigrahi	MS (with distinction)
25	18079	Saswat Ranjan Bhoi	MS (with distinction)

List of Graduating Students (BS-MS Degree)

S. No.	Roll No.	Name of the Student	Major
1	16034	Kunmun Naik	BIO
2	16051	Soubhagya Majhi	PHY
3	17001	Abhijit Kumar Nayak	CHM
4	17016	Anupam Barman	BIO
5	17034	Dora Mahananda	CHM
6	17039	Gayatri Garg	CHM
7	17050	Jasasree Singh	CHM
8	17070	Partha Pratim Roy	BIO
9	17090	Satya Ranjan Pattnaik	BIO
10	17091	Saurav	PHY
11	17104	Shubham Lokhande	BIO

12	17118	Tumpa Singh	CHM
13	18002	Aditya Padhi	PHY
14	18008	Amlandeep Nayak	PHY
15	18009	Amrit Patra	BIO
16	18011	Ananya Anubhab Biswal	PHY
17	18012	Animesh Nayak	MTH
18	18016	Ashish Sahoo	CHM
19	18017	Ashutosh Panigrahi	PHY
20	18020	Banhi Shikha Mondal	CHM
21	18023	Bighnesh Nanda	MTH
22	18024	Bikash Murmu	PHY
23	18026	Chandrakanta Behera	BIO
24	18027	Chinmay Padhan	MTH
25	18028	Chinmaya Kumar Sahoo	PHY
26	18029	Chitrak Bhowmik	PHY
27	18031	Deepak Bisht	PHY
28	18032	Deepjyoti Satpathy	PHY
29	18035	Dipismita Panda	CHM
30	18036	Gokul Madhav	BIO
31	18038	Haradhan Ruidas	BIO
32	18044	Jyoti Ranjan Biswal	CHM
33	18047	Manish Dwari	BIO
34	18049	Mayurakshi Mukherjee	PHY
35	18058	Pragna Paramita Sahoo	MTH
36	18062	Pratyush Tripathy	PHY
37	18063	Preity Sukla Sahani	PHY
38	18064	Prerna Ranasingh	CHM
39	18065	Pritam Pandit	PHY

40	18066	Rachel Majhi	BIO
41	18068	Rahul Singh	PHY
42	18071	Rithik Rathod	MTH
43	18072	Ritika Sethi	PHY
44	18075	Sadanjeet Kumar Kar	CHM
45	18077	Samikshya Kar	PHY
46	18079	Saswat Ranjan Bhoi	CHM
47	18080	Saumyapriya Rana	BIO
48	18081	Sayan Adhikari	CHM
49	18083	Shana Chandran	CHM
50	18086	Simran Sethi	BIO
51	18087	Sindhu Chaudhary	MTH
52	18089	Soujanya Barik	MTH
53	18092	Soumyadeep Saha	CHM
54	18093	Soumyodeep Das	PHY
55	18095	Subhasish Behera	BIO
56	18096	Subhrata Behera	CHM
57	18100	Suranjana Takoe	BIO
58	18102	Sweta Sethi	PHY
59	18103	Tanmaya Shree Behera	PHY
60	18106	Tushar Dehuri	BIO
61	18107	U Abinash Patro	PHY
62	18109	Vinay Kalsi	CHM
63	18114	Kunjulakshmi R	BIO
64	18115	Tanistha Bhattacharya	BIO
65	18117	Aniket Aman	BIO
66	18118	Anubhav Biswal	BIO
67	18119	Ayesha Dash	PHY
68	18120	Harshita Mahajan	BIO

69	18121	Gayatri Subhalaxmi	PHY
70	18122	Punit Kumar	CHM
71	18123	Nidhuna Vincent S	BIO
72	18124	Arathy M	CHM
73	18125	Nisha Kumari	BIO
74	18126	Sankar Prasad Jana	MTH
75	18128	Om Dwivedi	CHM
76	18129	Inderpreet Kaur	BIO
77	18130	Prajwal Patil	BIO
78	18131	Baibhav Srivastava	PHY
79	18132	Tashu	BIO
80	18133	Hardik Khurana	PHY
81	18134	Debashis Swain	CHM
82	18135	Pratyush Prakash Patra	PHY
83	18136	Harshit Pal	PHY
84	18137	Akshay Sreyas	PHY
85	18138	Swadha Tewari	BIO
86	18139	Neehar Verma	MTH
87	18140	Poulomi Dam	PHY
88	18141	Ankita Misra	CHM
89	18142	Shainylla L Chen	BIO
90	18144	Kanika Phagna	BIO
91	18145	Gyanaranjan Parida	BIO
92	18146	Bhupendra Baloda	MTH
93	18147	Varigonda Naga Venkata Amandeep	CHM
94	18149	Sudev Pradhan	PHY
95	18150	Betha L G R Manjunath Raj	PHY
96	18151	Ashish Eradath	BIO

97	18153	LAYA V P	BIO
98	18154	ASHMA HARIS	BIO
99	18155	Sandra S	PHY
100	18156	Saimurali Kolupuri	PHY
101	18158	Lingraj Rout	PHY
102	18159	Utkarsh Bhore	BIO

List of Graduating Students (MS Degree)

S. No.	Roll No.	Name of the Student	Discipline
1	202007	Rajneesh Kumar	Chemical Sciences
2	202014	Monika	Physical Sciences
3	202006	Gautham Srinivasan	Biological Sciences
4	202005	Sunil Dhasmana	Biological Sciences

List of Graduating Students (PhD Degree)

S. No.	Name of the Student	Discipline
1	Purbasha Dasgupta	Biological Sciences
2	Mahesh Kumar Ram	Mathematical Sciences



The 3rd convocation award winners with their brief details

It is a matter of great pleasure and pride for me to be part of this 3rd convocation of IISER, Berhampur. In this milestone event, a total of 102 students have received their BS and MS degrees. All of them have performed very well in their academic and extracurricular activities. Some of them have shown exceptional talents. In recognition of their achievements, the institute has instituted a few awards. The awards and awardees are as follows:

1. President's Gold Medal

Ms. Tanishta Bhattacharya, from the Department of Biological Sciences. This Medal is awarded for the best academic performance in the graduating class across all disciplines of the BS-MS (Dual Degree) programme. She will be joining the IMPRS-MOB PhD programme in the Department of Developmental Genetics at Max Planck Institute for Heart and Lung Research.



2. Director's Gold Medal for an outstanding all round achievement and leadership in the graduating class across all disciplines of the BS-MS (Dual Degree) programme

Ms. Ritika Sethi from the Department of Physical Sciences. Ms. Ritika Sethi will be joining PhD at Massachusetts Institute of Technology, Physics Department (MIT Kavli Institute) this fall.



3. Proficiency Medals (Silver)



Mr. Prajwal Patil

Mr. Ashutosh Panigrahi

Ms. Ankita Mishra

Mr. Neehar Verma

These medals are awarded for the best academic performance in each individual discipline of the BS-MS (Dual Degree) programme.

Mr. Prajwal Patil will be joining PhD at Institute of Science and Technology Austria (ISTA).

Mr. Ashutosh Panigrahi will be joining the Department of Physical Sciences at IISER Berhampur.

Ms. Ankita Mishra will be joining PhD at Emory University , Atlanta, Georgia, USA in the Department of Chemistry.

Mr. Neehar Verma will be joining PhD at Department of Mathematics and Systems Analysis at Aalto University, Finland as a part of the ENCODE Marie Curie Doctoral Network.

4. Shri Durgadas Mohanty Memorial Gold Medal for Highest CPI in Physics

Mr. Chitrak Bhowmik. He will be joining PhD at Martin A. Fisher School of Physics at Brandeis University



5. Principal C Sudershan Memorial Gold Medal for Highest CPI in Chemistry

Mr. Soumyadeep Saha. He will be joining PhD at Solid State and Structural Chemistry Unit (SSCU), IISc Bangalore.



6. Smt and Sri Kandala Krishnama Chary Memorial Gold Medal for Highest CPI in Biological Sciences

Ms. Tanishta Bhattacharya. She will be joining the IMPRS-MOB PhD programme in the Department of Developmental Genetics at Max Planck Institute for Heart and Lung Research.



7. Dr. K. Kavitha and Dr. K. Ramanuja Chary Gold Medal for excelling in academics and sports

Ms. Ritika Sethi. She will be joining PhD at Massachusetts Institute of Technology, Physics Department (MIT Kavli Institute).



Finally, we congratulate all the students who have completed their BS-MS dual degree and came out with flying colours. Many have gone on to receive prestigious prizes and fellowships, making the institute feel proud. We congratulate every one of them and wish them success in all their future endeavours

Acknowledgements

Finally, I place on record my sincere appreciation and thanks to the Chairpersons and members of FC, BoG, B&WC, and the Senate of IISER Berhampur, the officials of Ministry of Education, Govt. of India and Govt. of Odisha, and members of various Selection Committees, and also wish to acknowledge the support that I have received from the faculty and staff of the Institute and several others who have helped us in many ways.

My special thanks to Sri G Satheesh Reddy, the Chief Guest of the Third Convocation for accepting our invitation and to be part of this convocation. Your presence amongst us is inspiring and encouraging to our young brilliant minds and community to dream big and achieve great success.

I also thank to our chairman BoG for guiding us and also giving us time from his busy schedule. I end my speech with a warm congratulation to all the brilliant young beautiful minds, who are getting their hard-earned degrees today. I am sure you all are well-equipped and confident to embark on your future career of your choice across the most attractive destinations in the world.

I congratulate all the parents of the new graduates to bask in the glory of the achievement of your child. I may add that you are now stepping into the real world and how you handle yourself will give a feedback on the quality of education imbibed.

Dear new graduates, I wish for your success in every aspect of life. May you all work to make the world a better place.

Thank you all for your kind attention.

Academic Dress

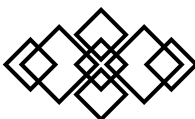
The Convocation dress of IISER Berhampur will be a traditional white Kurta Pyjama and a stole with the logo of the institute embossed on it. The dress has been chosen to give an Indian look to the Convocation fraternity.



Pledge

"I _____ (your own name), hereby pledge that I shall always endeavour to be conscientious and honest in the discharge of my duties. I shall stand up to my responsibilities, uphold the ethics and integrity of my profession. In this spirit, I resolve to preserve the prestige and pride of my Institute, IISER Berhampur.

I pledge that I shall utilise the knowledge, experience and skills acquired by me for the betterment of society, and advancement of my country, with innovation and progressive vision. In all circumstances, I shall uphold the dignity of the individual."





Indian Institute of Science Education and Research
Berhampur, Laudigam, 760003, India.



directoroffice@iiserbpr.ac.in,
registraroffice@iiserbpr.ac.in



+91 0680 - 2227712



www.iiserbpr.ac.in



*Kewda aka
Pandanus odorifer*

Approximately 95% of kewda
flowers exported from India are
collected from areas surrounding
Berhampur city.