

# 5<sup>th</sup> Convocation

Saturday, May 17, 2025

**Indian Institute of Petroleum and Energy**

**Visakhapatnam**





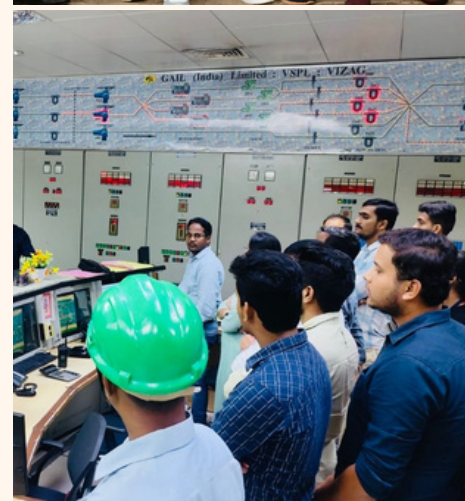


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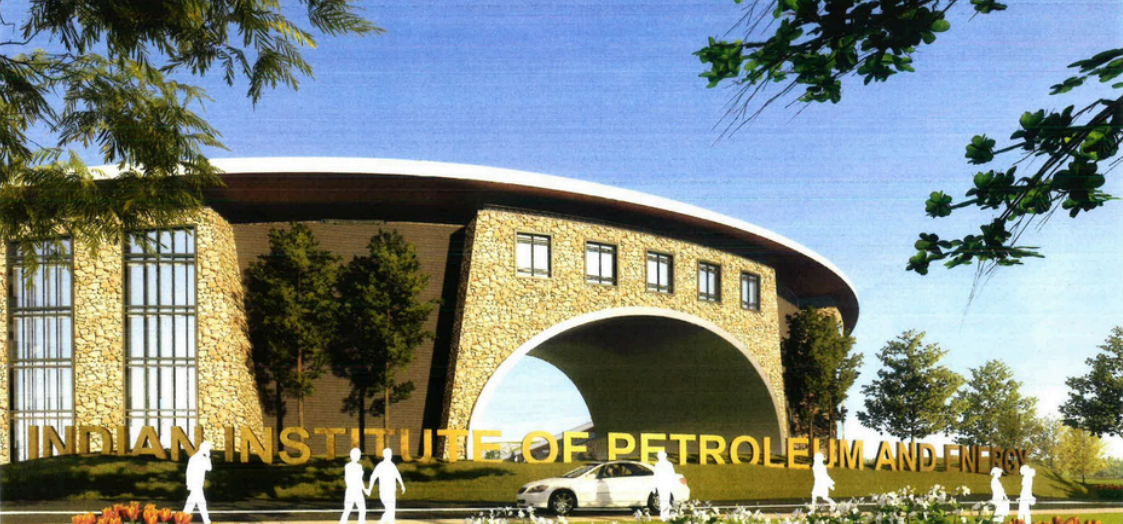
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“Dear Batch 2025 graduates, a heartfelt welcome to the 5th Convocation of the Indian Institute of Petroleum and Energy, Visakhapatnam! We honor your dedication and successes today, as you embark on an exciting new chapter. Congratulations on this outstanding achievement!”

**Professor Shalivahan**, Director, Indian Institute of Petroleum and Energy, Visakhapatnam







Indian Institute of Petroleum and Energy (IIPE) Visakhapatnam, established by the Government of India under MoPNG, is an Institution of National Importance dedicated to energy-focused research and education. Strategically located near major industry hubs like KG Basin and Vishakha Refinery, IIPE offers strong industry-linked academic and research opportunities.

#### Vision

To be an Energy University that is ranked among top 200 Universities of the world within 20 years of setup

#### Mission

To create and disseminate knowledge that facilitates progress and excellence in the field of Energy sector.

“IIPE is committed to research towards realizing the "Panchamrita" concoction for the climate conundrum, the climate solution offered by the Hon'ble PM of India, Mr. Narendra Modi, at the COP26 convention in Glasgow. IIPE facilitates the students to acquire knowledge helps them develop skills and experience, and cultivates a socially-responsible research mindset. IIPE strongly values the IKIGAI, or sense of purpose, of its stakeholders”

**Professor Shalivahan**, Director, Indian Institute of Petroleum and Energy, Visakhapatnam



“It's the friendships we forged that shine brightest—bonds that began in classrooms and will last a lifetime”







**“Graduation day is not just an ending—it's a snapshot of memories, friendships, and moments that will stay with us forever”**



## General Council

**Shri Pankaj Jain**, Secretary, MoPNG,  
Govt. of India, Chairperson  
**Chairman, IOCL** - Ex-Officio Member  
**CMD, HPCL** - Ex-Officio Member  
**CMD, ONGC** - Ex-Officio Member  
**CMD, GAIL** - Ex-Officio Member  
**DG of Hydrocarbons** - Ex-Officio Member  
**Principal Advisor (Energy), NITI Ayog** -  
Ex-Officio Member  
**ED, Oil Industry Safety Directorate** - Ex-  
Officio Member  
**Director, IISc, Bangalore** - Ex-Officio  
Member  
**Director, CSIR-IICT, Hyderabad** - Ex-  
Officio Member  
**Secretary, OIDB** - Ex-Officio Member  
**CEO, Cairn Oil and Gas, Vedanta Limited**  
-Member  
**CEO, Shell Group India** -Member  
**Anil Chalamalasetty**, Founder Group CEO  
and MD, Greenko Group -Member  
**Monte Dobson**, CEO and Lead Country  
Manager, Exxon Mobil India -Member  
**Prof Paritosh Kansa Banik** , President ,  
BoG , IIPE -Ex-officio Member  
**Prof. Shalivahan**, Director, IIPE - Ex-  
officio Member  
**Registrar, IIPE** -Ex-officio Member

## Board of Governor

**Prof. Paritosh Kansa Banik**  
President  
**Prof. Shalivahan**  
Director  
**Shri KS Shetty**  
Director (HR), HPCL  
**Prof. TN Singh**  
Director, IIT Patna  
**Prof. K Ganapathy Ayappa**  
Professor, IISc Bengaluru  
**Prof. Indrajit Mukhopadhyay**  
Professor, PDEU, Gandhinagar  
**Prof. Kamal K Pant**  
Director, IIT Roorkee  
**Prof. Saibal Gupta**  
Professor, IIT Kharagpur  
**Shri Ayush Gupta**  
Director (HR), GAIL (India) Limited  
**Shri Pankaj Kumar Goswami**  
Ex-Director (Operations), Oil India  
Limited (Retired)

## Senate

**Prof. Shalivahan**, Director, IIPE-  
Chairperson  
**Prof. K Srinivas Reddy** , Professor ,  
Mechanical Engineering, IIT Madras  
**Prof. Arvind Kumar Mishra** , Director ,  
CSIR - CIMFR Dhanbad



**Prof. K Vijaya Kumar**, Professor, Dean (R&D)

**Prof. A Seshagiri Rao**, Associate Dean (Faculty Affairs).

**Prof. CV Rao**, Associate Dean (Students' Affairs).

**Prof. P Aparoy**, Associate Dean (R&D).

**Prof. Sivasankar**, Associate Dean (Planning Resources).

**Prof. Rajat Jain**, Associate Dean (International Relations and Alumni Affairs).

**Prof. Ranjan Pramanik**, Associate Dean (Innovation, Incubation and Entrepreneurship).

**Prof. P Venkata Reddy**, HoD, Chemical Engineering.

**Prof. Himangshu Kakati**, Associate Dean (Academic Affairs), HoD, Petroleum Engineering & Earth Sciences.

**Prof. Arun Kumar Pujari**, HoD, Mechanical Engineering

**Prof. Somnath Ghosh**, HoD, Humanities & Sciences

**Prof. R Ramunaidu**, Mathematics, Department of Humanities & Sciences

**Prof. T Hemanth Kumar**, Department of Chemical Engineering

**Prof. Raka Mondal**, Department of Chemical Engineering

**Prof. Dipankar Pal**, Department of Chemical Engineering

### Presidents, Board of Governor

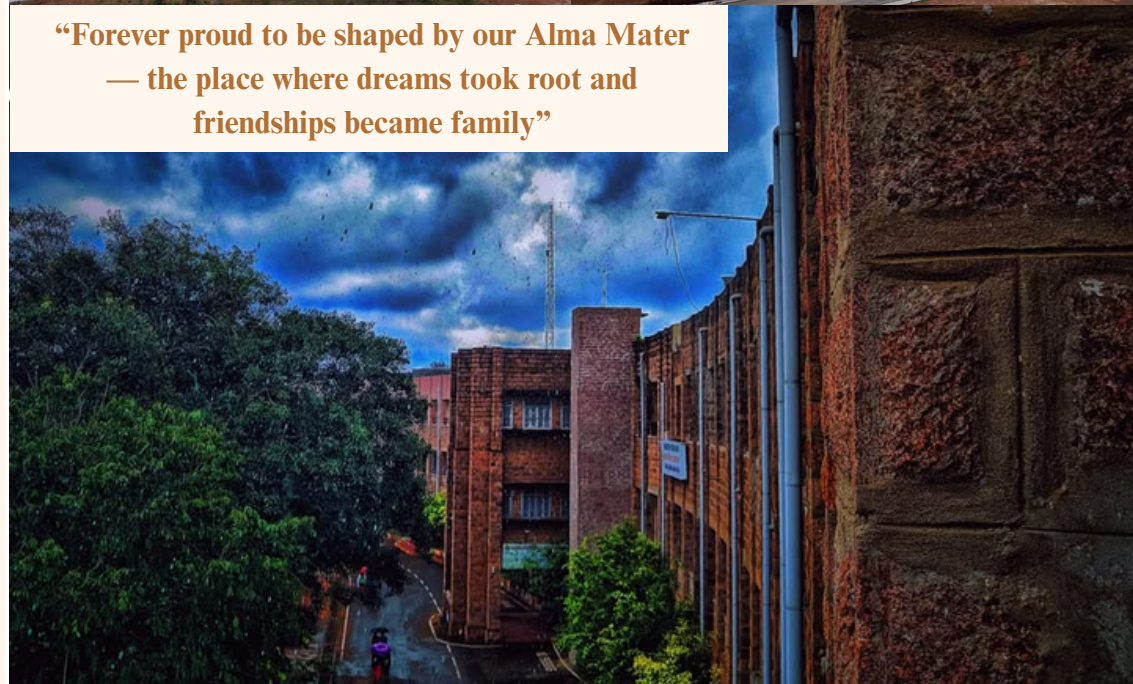
Sl.No	Name	Position	Period	
			From	To
1	<b>Prof DS Ramesh</b>	President	2019	2019
2	<b>Prof. Paritosh Kansa Banik</b>	President	2019	2022
3	<b>Prof. Shalivahan</b>	President	2022	2024
4	<b>Prof. Paritosh Kansa Banik</b>	President	2024	Present

### Directors

Sl.No	Name	Position	Period	
			From	To
1	<b>Prof. V.S.R.K Prasad</b>	Director	2017	2022
2	<b>Prof. Shalivahan</b>	Director	2022	Present



**“Forever proud to be shaped by our Alma Mater  
— the place where dreams took root and  
friendships became family”**





## SCHEDULE OF 5TH CONVOCATION 2025

Saturday, 17th May 2025

11.00 AM	The Chief Guest arrives in the Robing Area
11.05 AM	Convocation Photograph and interaction of Chief Guest with Senators
11.20 AM	Academic Procession enters the Convocation Hall
11.25 AM	Institute Invocation song
11.30 AM	President, BoG declares Convocation Open
11.32 AM	Pledge by Degree recipients
11.34 AM	President, BoG signs the Register
11.35 AM	Address by the Director
11.50 AM	Address by the President, BoG
11.59 AM	Introduction of Chief Guest by the Associate Dean (Academics)
12.02 PM	Convocation address by the Chief Guest
12.15 PM	Award of President's Gold Medal by the Chief Guest
12.18 PM	Award of Institute Medals by the President, BoG
12.25 PM	Award of Degrees by the Director
12.45 PM	Felicitations of Chief Guest
12.50 PM	President, BoG declares Convocation closed
12.52 PM	National Anthem
12.55 PM	Academic procession leaves the Hall



### Convocation Pledge

I, a Graduate of the Indian Institute of Petroleum and Energy – Visakhapatnam, pledge today to honor this oath;

That I shall continue to work to acquire, disseminate and generate new knowledge;  
That in thought, word, and deed, I shall endeavor to contribute to human welfare by conscientiously adhering to the ethical values of my profession;

That I shall work for an inclusive society and sustainable development.

### दीक्षान्तः प्रतिज्ञा

भारतीय पेट्रोलियम एवं ऊर्जा संस्थान – विशाखापत्तनात् स्नातक अहं एतत् शपथ सम्मानं कर्तुं प्रतिज्ञां करोमि।

यत् अहं नूतनज्ञानस्य प्राप्त्यर्थं, प्रसारणार्थं, जननार्थं च कार्यं निरन्तरं करिष्यामि;

यत् विचारेण, वचनेन, कर्मणा च अहं स्वव्यवसायस्य नैतिकमूल्यानां अन्तःकरणपूर्वकं पालनम् कृत्वा

मानवकल्याणार्थं योगदानं दातुं प्रयतस्ये;

यत् अहं समावेशीसमाजस्य, सततविकासाय च कार्यं करिष्यामि।

## Address by

**Prof. Paritosh Kansa Banik**

**President, BOG**



Respected the Chief Guest of the Convocation Shri Arun Misra, CEO & Whole Time Director Hindustan Zinc Limited, Respected Members of the Board of Governors and Senate of IIPE, Professor Shalivahan, the Director of IIPE, All dignitaries on and off the Dias, Members of the Faculty of IIPE, Members of the Press and Media, All Degree Recipients and their parents, Students, Officers, Staff and Ladies & Gentlemen!

A very warm welcome to each and every one of you present here to celebrate and grace the occasion of the 5<sup>th</sup> Convocation of IIPE!

We are indeed privileged to have the Chief Executive Officer of HZL, Shri Arun Misra as the Chief Guest for today's event.

Shri Arun Misra ji, you are an alumnus of an IIT and you have faced all kinds of hurdles in your career.

You have taken up challenges and overcome all these challenges in your professional career to reach the leadership position in the industry. Hence you are truly an inspiration not just to the students of IIPE, but also to thousands of bright young minds across our country. Your guidance and motivation to our graduating students will go a long way as they step into their professional lives.

Whenever I visit IIPE, I am filled with pride looking at these young minds and I feel a sense of huge satisfaction. I can feel the energy of a new generation of students that is destined to build our country.

## BACHELOR OF TECHNOLOGY

### DEPARTMENT OF PETROLEUM ENGINEERING AND EARTH SCIENCES

S.No.	Roll No.	Student Name
1	21PE10001	ADITYA DHANRAJ
2	21PE10002	BOKAM SRIRAMA MANIKANTA GANESH
3	21PE10003	MRITYUNJAY KUMAR SINGH
4	21PE10004	KANCHETTI GNYANESH
5	21PE10005	SACHIN VERMA
6	21PE10006	BISWAJIT PATI
7	21PE10007	RAJ NIGAM
8	21PE10008	TANMAY AKASH



## BACHELOR OF TECHNOLOGY

### DEPARTMENT OF CHEMICAL ENGINEERING

S.No.	Roll No.	Student Name
1	21CH10001	KISALAYA KISHAN
2	21CH10003	ALBERT IZACK MOHANTY
3	21CH10004	AMAN KUMAR SINHA
4	21CH10005	BONTHU ADITYA SRINIVAS
5	21CH10006	GADDE RANJITH
6	21CH10007	UJJWAL NARAYAN
7	21CH10008	DHARMAVARAM KRISHNA SHUBANG
8	21CH10009	PEERAM KIRAN
9	21CH10010	CHANDAKA SIVA SANKAR
10	21CH10011	SAYAK GHOSH
11	21CH10012	AYUSH GUPTA
12	21CH10013	AHJOLIYA NANDISH AMITKUMAR
13	21CH10014	BISWAYAN GHOSH
14	21CH10015	DEEP MAMTORA
15	21CH10016	SUDHANSHU RANJAN
16	21CH10017	UTKARSH CHAUBEY
17	21CH10020	ANUPAM ABHISHEK JHA
18	21CH10021	NIKENDRA KOURAV
19	21CH10022	ABHISHEK YADAV
20	21CH10023	PRANAV RAMCHANDRA SARDA
21	21CH10025	HARSH THAKUR
22	21CH10026	POTHURAJU HIMAKAR
23	21CH10028	NITIN KUMAR
24	21CH10029	DONTAMSETTY CHAAYA HARSHA
25	21CH10030	JUTTIGA DURGA SANDEEP
26	21CH10031	SANJAY KUMHAR

Friends, the most important and critical issue before our nation today is the question, how we carry out energy transition in coming years. Indian Institute of Petroleum and Energy at Visakhapatnam has a mandate to contribute substantially in solving this very important issue. To become self-sustainable in energy supply and to become a global leader in green, sustainable and inclusive development, we need to solve critical issues lying before us. In the last financial year, India, which is historically highly dependent on fossil fuel, produced more than a billion tonnes of coal. The production of coal has increased drastically, which we couldn't avoid. But we cannot go on indefinitely this way. There are basically two reasons why we cannot afford to do so. The first one is the geo-mining conditions of coal deposits, which are gradually becoming more difficult for production. The second reason is, as we all know, that coal produces greenhouse and toxic gases while producing energy through thermal power plants.

We don't have enough reserves of crude oil too. We depend on import of crude oil, which is more than 80% of our demand. Moreover, oil and gas also are not a solution for carbon free emission. Hence, our challenges in coming years will be many times more than what these are today. On one side we need to increase overall energy production and supply, that too, exponentially and the other side is that we need to reduce production and import of fossil fuels.

We know that India is determined to achieve the status of a developed country very fast. Hence, we need a futuristic policy on green and clean energy in terms of long-term and short-term planning, high-precision project design, state-of-the art pilot projects and large-scale application in the industry for production of green and clean energy not only for achieving self-reliance in energy domain, but also to be one of the global leaders in clean energy sector.

This needs a break-through in exploration and production technologies, especially in natural hydrogen and other clean energy sources. I wish students, researchers and faculty members of IIPE, Visakhapatnam work in tandem with policy makers, institutions, industries and other stakeholders to achieve our goal.

Dear degree recipients, do you remember the day when you entered the campus for the first time? That day you were just like saplings with full of dreams in your eyes and potential to grow like a tree with lots of branches and leaves. Today, you are ready to commence your professional journey. You look like a tall tree in full bloom. I am sure both your parents and faculty members of IIPE are extremely proud of you today. Because it is they, who nurtured the young saplings with patience, care and love.

They stood by your curious minds, held your hands during your journey, imparted knowledge and taught you how to develop critical thinking ability in solving problems.

They have provided you the ground for your personal and academic growth. Now, it is your turn to show your capability after you leave the campus. Please do not forget your Alma Mater in your life. Make your parents and teachers proud by your achievements. Congratulations and best of luck for your exciting journey ahead! Thank you all.

*Prof. Paritosh Kansa Banik*  
President, BOG

## DOCTOR OF PHILOSOPHY

### HUMANITIES AND SCIENCES

S.No.	Roll No.	Student Name
1	21RS9013	HIMANSHU ASATI
Topic: Waste-derived Advanced Nano Carbons for Water Remediation, Bioenergy Harvesting and Conversion (Supervisor: Prof. Kumud Malika Tripathi and Prof. Raka Mondal)		

## MASTER OF SCIENCE

### DEPARTMENT OF PETROLEUM ENGINEERING AND EARTH SCIENCES (APPLIED GEOLOGY)

S.No.	Roll No.	Student Name
1	23ES40001	JYOTIPRAKASH BEHERA
2	23ES40002	DEBASIS SAHU
3	23ES40003	PRATYUSH RANJAN SAHOO
4	23ES40004	SIDRAH IRAM
5	23ES40005	SK MOHAMMAD OWAIS
6	23ES40006	DEVENDRA KUMAR
7	23ES40008	SHREAN PAUL
8	23ES40009	RISHIKESH KACHHAP
9	23ES40010	ASHISH KUMAR DEO
10	23ES40011	CH. RAJKUMAR
11	23ES40012	MAHAK SUNDRANI
12	23ES40013	SUJATA MAJHI
13	23ES40014	MADHUSMITA PRIYADARSHINI
14	23ES40015	SRINIBAS SAHOO
15	23ES40016	SAMPURNA PANDA



## Director's Report

**Prof. Shalivahan**

Director, IPE



"Education is the most powerful weapon which you can use to change the world."  
- Nelson Mandela

The world needs thinkers, doers, dreamers and above all, changemakers. And today, that changemaker is you.

Respected the Chief Guest of the Convocation Shri Arun Misra, CEO & Whole Time Director Hindustan Zinc Limited, Respected Members of the Board of Governors and Senate of IPE, All dignitaries on and off the Dias, Members of the Faculty of IPE, Members of the Press and Media, All Degree Recipients and their parents, Students, Officers, Staff and Ladies & Gentlemen!

It gives me immense pleasure to present this report on the occasion of the 5th Annual Convocation of the Indian Institute of Petroleum and Energy (IPE). As the Institute marks its 9th year of establishment, this milestone signifies not just the passage of time, but the remarkable progress made in our pursuit of academic and research excellence.

Holding the 5th Convocation is a proud and memorable moment for all of us at IPE. It reflects the Institute's steady growth, its commitment to quality education, and the collective efforts of our faculty, staff, students, and stakeholders in building a strong academic foundation for the future.

This report presents a concise summary of the academic, research, and infrastructural developments of the Institute for the period from 1st July 2024 to till date. I take great pride in stating that this year has marked a phase of significant growth and progress for the Institute across all key domains.

In the current convocation, degrees are being conferred upon 01 Ph.D. Research Scholars, 15 M.Sc. students in Applied Geology and 34 B.Tech. students, comprising 26 students from

the Department of Chemical Engineering and 08 students from the Department of Petroleum Engineering, who have successfully completed their academic programs during the academic year 2024–25. The Institute also takes this opportunity to recognize academic excellence and all-round achievement among the graduating students. The Institute Gold Medal and Institute Silver Medal are awarded to the academic toppers from each branch, while the President's Gold Medal is conferred upon one student for demonstrating the best all-round performance among the graduating batch. This year, in a commendable initiative to encourage and empower women in the fields of petroleum and energy, the Institute is proud to introduce a Gold Medal for the Best Outgoing Girl Student both in Undergraduate and Post-Graduate from among all graduating students in respective class. This award aims to recognize academic excellence and inspire greater participation of women in these critical sectors.

I am extremely pleased to extend my heartfelt congratulations to all the award recipients and the class of 2025. Your journey has been marked by dedication, resilience, and a strong commitment to excellence. You have worked diligently to achieve your goals, and today, you stand at the threshold of new beginnings, ready to explore new horizons, pursue new dreams, and embrace life with passion and purpose.

You have set a commendable example for your peers and have become role models for future batches. Despite the challenges of being part of a growing institution, you have exhibited remarkable maturity, adaptability, and understanding, particularly in recognizing the efforts involved in building and enhancing the Institute's infrastructure and academic ecosystem.

As you step into the next phase of your lives, I see a promising future both for you and for this Institute. I am confident that you will continue to uphold the values and spirit of IIPE, and when you return for your alumni



## Graduating Students 5<sup>th</sup> Convocation 2025



## INSTITUTE'S SILVER MEDAL

For securing the Second position among all the students who completed the requirements for the degree



**AYUSH GUPTA**

B.Tech in Chemical Engineering



**BOKAM SRIRAMA**

**MANIKANTA GANESH**

B.Tech in Petroleum Engineering



**SUJATA MAJHI**

M.Sc in Applied Geology

## Past Recipients

Year	Name of the Student & Course	Name of the Student & Course
2022	<b>Priyanshu Agarwal</b>	<b>Avik Roy</b>
	B.Tech Petroleum Engineering	B.Tech Chemical Engineering
2023	<b>Harshil Padhi</b>	<b>Suraj Kumar</b>
	B.Tech Petroleum Engineering	B.Tech Chemical Engineering
2024	<b>Aayushi Jagat Gangwar</b>	<b>Ayush Ranjan</b>
	B.Tech Petroleum Engineering	B.Tech Chemical Engineering

reunions in the years to come, you will look back with pride at being part of an institution that continues to rise in stature and impact.

In a significant milestone, the Indian Institute of Petroleum and Energy (IIPE) participated for the first time in the NIRF Rankings 2024, and was placed in the 201–300 rank band under the Engineering category. This initial recognition reflects the Institute's growing academic and research standing. The Institute remains firmly committed to continuous improvement and academic excellence and is making concerted efforts to secure a position within the top 100 institutions in the country over the next 2–3 years.

### Academic programs & admissions

This year the Institute started Web Based M Tech Programme in Data Science and Machine Learning for working professionals.

Looking ahead, the Institute is pleased to announce the launch of a new undergraduate program - B.Tech. in Mathematics and Computing and post graduate program in M.Tech. in Petroleum Engineering, starting from

the academic year 2025–26, further expanding IIPE's academic footprint in emerging and interdisciplinary areas.

### New Academic Initiatives

In its pursuit of academic excellence and global engagement, the Institute has launched several key academic initiatives aimed at broadening student exposure and enhancing interdisciplinary learning. These initiatives include:

International Electives, offering students the opportunity to gain academic experience through globally relevant coursework;

A Global Internship Program, enabling foreign students to work at IIPE;

These initiatives reflect IIPE's commitment to preparing its students for leadership roles in an increasingly interconnected and multidisciplinary world.

### Patents

The Institute continues to promote innovation and the creation of intellectual property among its faculty and researchers.

During the academic year 2024–25, significant strides were made in patent-related activities:

**Granted:** *Institute's First Patent has been granted on Design Flat Plate Heat Sink*

*Application No.: 413189-001 Inventors: Prof. Santosh Senapati, Prof. Arun K. Pujari, and their team*

#### Patent Applications Filed:

The culture of research and innovation at IIPE continues to thrive, fostering an environment where even undergraduate students are encouraged to pursue impactful scientific contributions. The recent filing of a patent by undergraduate students stands as a testament to their ingenuity, commitment, and the Institute's emphasis on hands-on, solution-driven learning.

The Institute continues to promote innovation and intellectual property creation among its faculty and researchers. During the academic year 2024–25, significant progress was made in patent-related activities:

Title: A Biochar-Ceria Nanocomposite Composition for Enhanced Oil Recovery.

Inventors: Prof. Nilanjan Pal, Ms. Vartika Verma, Mr. Tanmay Akash

Applicant: Indian Institute of Petroleum and Energy, India

Application No.: 202441057434

2. Title: Bamboo-Derived Nickel Oxide Nanoparticles and a Process for the Preparation Thereof

Inventors: Prof. Nilanjan Pal, Ms. Rajasvi Tiwari, Ms. Vartika Verma, Mr. Tanmay Akash

Applicant: Indian Institute of Petroleum and Energy, India

Application No.: 202441097538

#### Papers & Publications

The Institute continues to enhance its academic and research ecosystem through the establishment of several state-of-the-art experimental facilities aimed at strengthening both faculty and student research capabilities. During this academic year, a total of 44 research articles have been published in reputed peer-reviewed journals, reflecting the growing research output and quality at IIPE.



## INSTITUTE'S GOLD MEDAL

For securing the first position among all the students who completed the requirements for the degree



**AHJOLIYA NANDISH  
AMITKUMAR**  
B.Tech in Chemical Engineering



**BISWAJIT PATI**  
B.Tech in Petroleum Engineering



**DEBASIS SAHU**  
M.Sc in Applied Geology

## Past Recipients

Year	Name of the Student & Course	Name of the Student & Course
2020	<b>Kandala Viswakanth</b> B.Tech Petroleum Engineering	<b>Bhamidipati Sai Harsha</b> B.Tech Chemical Engineering
2021	<b>Dangeti Sree Karthik</b> B.Tech Petroleum Engineering	<b>Abhinav Tiwari</b> B.Tech Chemical Engineering
2022	<b>Kumari Agrani</b> B.Tech Petroleum Engineering	<b>Chidurala Hruthik</b> B.Tech Chemical Engineering
2023	<b>Deepit Ajit Shah</b> B.Tech Petroleum Engineering	<b>Jefin Jose</b> B.Tech Chemical Engineering
2024	<b>B.Abhinav Tryambak Rao</b> B.Tech Petroleum Engineering	<b>Abdul Rahman.S</b> B.Tech Chemical Engineering

## OUTSTANDING GIRL STUDENT (PG)

For outstanding overall performance among all the girl students who completed the requirements for the post graduate degree in 2023-2025.



**SUJATA MAJHI**

M.Sc in Applied Geology

## Sponsored Projects

The Institute currently has 25 ongoing sponsored research projects with a total financial outlay of Rs. 47 Crores. In the academic year 2024–25, six new research projects have been sanctioned to faculty members, by various reputed research funding agencies, further strengthening the Institute's role in addressing national energy and environmental challenges of which three projects are International Project

## Workshops & Seminars

The Institute organised the following workshops/ conferences/ seminars during the year 2024-25:

### *International Workshops:*

**Indo-US Workshop:** The Institute in collaboration with Stony Brook University, New York, organized the Indo-US Workshop on Hydrogen and Global Decarbonization from 21st – 23rd May, 2024.

**Indo-Polish Workshop:** The Institute jointly with the Gdańsk University of Technology, Poland, organised a workshop on “Electronic Structure Calculations and Visualisation with Molecular Nodes” during 30th July – 03rd August, 2024.

### *National Workshops:*

**High-End Workshop** under Accelerate Vigyan Scheme for Karyashala sponsored by the SERB-DST, on topic titled ‘Exploring Magnetotelluric Data Insights: Workshop on Data Preparation, Analysis, Processing, and 3D Inversion Strategies’ during the period from 01st – 07th July, 2024.

**High-End Workshop** under Accelerate Vigyan Scheme for Karyashala sponsored by the SERB-DST on the topic titled ‘Reservoir Simulation for CO<sub>2</sub> Sequestration’ during the period from 08th – 14th July, 2024.

A certification course on ‘Carbon Capture and Utilization’ for 12 weeks from 02.11.2024. A total of 81 were participated, of which 18 Industrial professionals, including 16 officials from HPCL, 01 from Bloom Energy, US, and 01 from Kuwait Oil; 03 PDFs, 01 each from US, Canada & Saudi Arabia; and 01 Ph.D. Scholar from Nepal.

**Industry-Academia Conclave 2024:** Connecting Academia and Industry



for a Sustainable World on 28th November, 2024.

A workshop on ‘Corrosion Prevention and Remediation Strategies’, during 11th – 13th December, 2024.

A workshop on ‘National Centre for Mathematics (NCM), Advanced Training in Mathematics (ATM) School on Numerical Methods for Partial Differential Equations (NMPDE)’, from 16th – 27th December, 2024.

A workshop on ‘Immersion Program on Recent Advances in Petroleum Engineering’ from 20th December 2024 – 02nd January, 2025.

The Institute organized Local College and Schools - Students Fellowship Program (LCS-SFP) & College and School Teachers’ Education and Academic Mentoring (CS-TEAM) programs during December, 2025 to provide training to school children and teachers in line with JIGYASA scheme launched by the Government of India.

A workshop on ‘Harnessing Computational Fluid Dynamics in the Energy Sector: Techniques and Applications (H-CFD-2025)’, during 23rd – 25th January 2025.

Institute hosted a one-day workshop “Samavesha (Episode-10)” on 11.02.2025 in collaboration with I-STEM for familiarising on the usage of I-STEM portal for Scholars and faculty members of the colleges & universities in Visakhapatnam and surrounding Districts. IIPE will serve as a Satellite Campus of I-STEM, an initiative operating under the Office of the Principal Scientific Adviser (PSA) to the Government of India.

A Workshop on ‘Crystallization Systems Engineering” during 18th – 20th February 2025.

A GIAN Course with International Coordinator Prof. Vahid Vatanpour, Istanbul Technical Institute, on ‘Next generation Composite Membranes for Hydrogen Energy and Environmental Application’ during 03rd – 08th March, 2025.

A GIAN Course on ‘Absorption Techniques for CO<sub>2</sub> Capture : Modeling and Simulation Insights’ with International Coordinator Prof. Debansu Bhattacharyya of West Virginia University, USA is scheduled from 24th – 28th March, 2025.



## PRESIDENT’S GOLD MEDAL

For outstanding overall performance among all the students who completed the requirements for the degree of Bachelor of Technology (2021-2025).



**ALBERT IZACK MOHANTY**  
B.Tech in Chemical engineering

## Past Recipients

Year	Name of the Student	Course
2020	Vaibhav Sharma	B.Tech Petroleum Engineering
2021	Konala Reshma Reddy	B.Tech Petroleum Engineering
2022	Kumari Agrani	B.Tech Petroleum Engineering
2023	Subhadra Jamkar	B.Tech Chemical Engineering
2024	Aayushi Jagat Gangwar	B.Tech Petroleum Engineering

A 2-day India's first ever International Conference on "Exploring the Potential of Natural Hydrogen: A Sustainable Energy Frontier" during 10th - 11th April, 2025. The outcome of it was that The Hindu Came with two big articles on Natural Hydrogen.

#### **Establishment of Centre of Excellence**

The Institute has signed an MoU with the Indian Institute of Petroleum & Energy (IIPe) to launch the Magnivia Business & Energy Research Park at IIPe's new Vizag campus—a ₹150 + Cr program establishing Centers of Excellence, to advance India's energy innovation ecosystem, facilitating technology transfer, and enabling commercial deployment of deep-tech solutions emerging from academic research.

#### **Establishment of Makers Space**

The Makerspace facility will house cutting-edge equipment, including 5-Axis CNC machine, 3D printer, Vinyl Printing & Cutting Machine, 3D Scanner, CNC Router and PCB Prototyping Machine to empower students with hands-on skills essential

or industries like automotive, manufacturing and electronics. This facility is envisioned as a hub for collaboration between academia, industry, and the community, contributing to India's energy and skill development goals.

Total Outlay of Rs. 3.00 Cr and Initial Grant of Rs. 40 Lakhs. Thanks to HPCL for supporting the cause.

#### **Placement Report**

The Training and Placement Cell of the Institute continues to play a pivotal role in facilitating meaningful employment opportunities for students across all programs. For the academic year 2024-25, the Institute has recorded strong placement outcomes with impressive performance across all streams.

#### ***B.Tech. Placement Highlights***

Placement Percentage: 93.75%

Highest CTC (Petroleum Engineering):  
Rs. 25.57 LPA

Highest CTC (Chemical Engineering):  
Rs. 20.00 LPA

#### ***M.Sc. in Applied Geology Placement Highlights***

Placement Percentage: 86.66%

Highest CTC: Rs. 25.57 LPA

#### ***Sector-wise Placement Distribution***

B.Tech.

Oil and Gas & Energy: 90%

Analytics & Consulting: 10%

#### **M.Sc. in Applied Geology Graduates:**

Oil and Gas & Energy: 100%

Top Recruiters

The Institute is proud to have witnessed enthusiastic participation from a broad spectrum of leading organizations, including:

#### **Public Sector & Energy Giants:**

HPCL, IOCL, ONGC, OIL, GAIL, HPCL Rajasthan Refinery Ltd, L&T Hydrocarbon, Shell, Schlumberger, Halliburton, HLS Asia, Reliance Jio BP, Total Energies, Wipro Oil and Gas, Greenko

#### **Analytics & Consulting Firms:**

ZS, TCS, Quantiphi, Affine, EXL, Fractal Analytics, LatentView Analytics, Tiger Analytics, Accenture

#### **Technology & Core Sector Companies:**

Hitachi, Eastman Chemicals, AkzoNobel, ITC, Quest Global, Shelf Drilling, Linde, HINCOL, Worley

The consistent and growing interest from premier recruiters reflects the industry-aligned curriculum, strong

faculty mentorship, and holistic development of students at IIPE. The Institute remains committed to fostering strong industry linkages and supporting students in building impactful careers in energy and allied sectors.

#### **Awards:**

The Institute has been conferred with the Energy Excellence Award 2025 for Outstanding Achievement in Education by CHEMTECH Foundation, recognising the Institute's commitment towards academic excellence.

Mr. Kritagya Sharma and Mr. Ujwal Narayan, students of IIPE won the first place in the state-level RBI Quiz competition, organized to celebrate the RBI's 90th anniversary.

Prof. Shalivahan was conferred with Society of Exploration Geophysicists USA as South and East Asia Honorary Lecturer for Q1/Q2 2024.

IIPE Instituted the Best Faculty Award and Best Employee Award which would be announced on the Foundation Day of the Institute every year, to motivate the employees.



## **Awards & Honours 5<sup>th</sup> Convocation 2025**





### Souvenirs : Previous Convocations



Prof. Seshagiri Rao Ambati and Shri Gande Shiva Kumar, Assistant Engineer were the recipients of the awards during 2024.

### Status of Permanent Campus

The remaining works are progressing at a steady pace, with the expected date of completion being August 2025 (excluding one building). The Institute is preparing to relocate to the permanent campus from the academic year 2025-26, marking a significant milestone in its growth and development.

### Events and Outreach

As part of its commitment to Scientific Social Responsibility, IIPE successfully conducted the JIGYASA Programme, hosting Government School students from Visakhapatnam and Anakapalli districts (Classes 9 and 10), including 14 girls and 12 boys. The programme provided hands-on training in Physics, Chemistry, Mathematics, and Biology—completely free of cost—with scholarships awarded to all participants, notably encouraging greater participation from girls.

In addition, IIPE extended dedicated support to Government College teachers through focused mentoring and hand-holding sessions aimed at enhancing their capacity to develop competitive research proposals, further strengthening the region's academic ecosystem.

### Future Perspective

Before I conclude, I wish to address every member of the IIPE academic community with a message of purpose and responsibility. The Nation places immense trust in institutions like ours to contribute meaningfully toward achieving the United Nations Sustainable Development Goals (UN SDGs), particularly the goal of ensuring universal access to affordable, reliable, and sustainable energy, and nurturing Pro-Planet Citizens.

In alignment with this national and global mandate, IIPE remains deeply committed to advancing research that supports the "Panchamrita" - India's fivefold climate pledge articulated by the Hon'ble Prime Minister Shri Narendra Modi at the COP26 Summit in Glasgow. This commitment reflects our resolve to contribute to climate solutions through,

scientific innovation and sustainable practices.

At IIPE, we aim not only to impart knowledge but also to develop skills, foster experience, and cultivate a socially responsible research ethos. We strongly uphold the philosophy of IKIGAI -a sense of purpose that binds all stakeholders in a shared vision of progress.

Through our efforts, we aspire to help shape Blue Zones - thriving communities that are sustainable, resilient, and flourishing. With this spirit, let us collectively strive to play a significant role in building an Atmanirbhar Bharat in the energy sector and advance toward a Future-Ready India @2047

### **Acknowledgements**

We would like to place on record our sincere and humble gratitude for the unwavering support extended by the Ministry of Petroleum and Natural Gas, Government of India, and our esteemed industry partners ONGC, OIL, HPCL, GAIL, and IOCL as well as various government and regulatory authorities, including different

Ministries of the Government of India, the Government of Andhra Pradesh, and the District Administrations of Visakhapatnam and Anakapalli. We are equally grateful to the various sponsoring agencies, collaborating industries, and the Members of the Board and Senate, Building and Works Committee whose guidance and encouragement have been instrumental in the growth of the Institute.

On a personal note, I extend my heartfelt thanks to all my colleagues and students for their steadfast support, dedication, and contribution to the Institute's journey. I also take this opportunity to convey my heartiest congratulations and best wishes to all the graduating students and medal recipients. May your accomplishments today mark the beginning of a journey filled with success, purpose, and contribution to society.

I conclude by expressing my profound gratitude to our Chief Guest for gracing this convocation with their esteemed presence and for making this occasion truly memorable.

Jai Hind.

*Prof. Thalivahan*

Director, IIPE

Every kind of industry is now trying to build their digital twins, simulations and Artificial Intelligence. Third, build for the long haul. Warren Buffett teaches us that true success isn't about quick wins; it's about creating value that endures. At Hindustan Zinc, we're not just chasing profits; we're transforming 1.9 million lives through education, healthcare, and women's empowerment. Your work in petroleum and energy will shape economies, communities, and the planet for decades. Whether you're pioneering energy storage or advocating for sustainable policies, make choices that stand the test of time. Lead with purpose. Build companies, systems, and solutions that your country and your grandchildren will thank you for. Graduates, you're not just engineers or scientists—you're storytellers, dreamers, and builders. The world doesn't need more followers; it needs you—your vision, your courage, your ability to connect the dots in ways no one else can.

As Steve Jobs would say, you're here to put a dent in the universe. As Buffett would remind you, do it with integrity and patience. To the faculty, thank you for igniting these sparks of genius. To the parents, your sacrifices have turned dreams into reality. And to the Class of 2025, go out there and write a story the world will never forget. The future isn't waiting for you—it's begging for you. Congratulations, and let's make it happen!

*Mr. Arun Misra*

Chief Guest

CEO & Whole Time Director

Hindustan Zinc



Asking questions can be a great tool in the hands of a successful leader seeking to transform any business. In today's world, growing concern for GHG emission is putting a lot of pressure on industry consuming fossil fuel or thermal power to reduce GHG emissions out of their operations disruptively. All of you who seek to further your career in your field of education will have to ask why: Why can't we ensure on-line carbon capturing along with promoting Petroleum consumption. What innovation will make the current technology of carbon capture in the easy reach of common people and industry alike. You must explore can Hydrogen be the Petrol of tomorrow? It's your curiosity and perseverance in research will crack open possibilities others can't even dream.

Second, think differently. Steve Jobs built Apple by rejecting the ordinary, by believing that design and innovation could reshape how we live. In the energy world, thinking differently isn't optional—it's essential.

The problems you'll face—climate change, energy equity, resource scarcity—demand bold, unconventional solutions. At Hindustan Zinc, we've embraced AI to optimize operations and cut emissions, not because it's trendy, but because it's necessary. You're trained to solve complex problems, whether it's designing smarter refineries or scaling biofuels. Don't just solve them—redefine them. Dare to be the one who says, "There's a better way," and then build it. Thinking differently is no accident or a stroke of luck. Like all other managerial competencies this also can be learnt in a structured way and can be mastered by repeated use. "Disruption" is the key. The world we live in today is an outcome of disruptions, series of them that have been achieved from the sixties to date. Discovery of personal computer, making them powerful, internet, laptop, data, cloud, mobile so on and so forth have transformed the world. Now is the turn for AIs and GenAIs.

## Fifth Convocation 2025

### Chief Guest



**Mr. Arun Misra**

CEO & Whole time Director

Mr. Arun Misra – CEO & Whole Time Director Hindustan Zinc, has been leading the world's largest integrated zinc producer and amongst the top 5 silver producers globally, since August 1, 2020. With effect from 1st August 2023, Mr Misra has also been appointed as Executive Director at Vedanta Limited.

Mr. Misra was appointed Deputy CEO, Hindustan Zinc Limited on November 20, 2019, and in less than 10 months, he was moved to the Corner Office and placed at the helm of the world's largest integrated zinc producer as CEO and Whole time director.

Mr. Misra has previously served as the Chairman of CII Rajasthan state council. He was also elected as the 1st ever Indian origin Chairperson of the International Zinc Association. Along with that, he is also the Vice President of the Indian Institute of Mineral Engineers. Mr. Misra has to his credit published several papers in nationally reputed journals.

Mr. Misra was awarded ‘CEO of the Year’ and Hindustan Zinc the ‘Most Innovative Company of the Year’ in the Business Leader of the Year awards. He is also recognized in the 22nd position of the Top 30 CEOs of India list by StartupLanes. Further, the company under his able leadership has been ranked globally number 1 for sustainability by S&P Global Corporate Responsibility Assessment 2023 amongst Metal & Mining companies.

After graduating with a bachelor’s degree in electrical engineering from IIT, Kharagpur, Mr. Misra took a Diploma in Mining and Beneficiation from the University of New South Wales Sydney, and another Diploma in General Management from CEDEP, France. He possesses knowledge of TQM, Six Sigma, TPM, and the Malcolm Baldrige Model.

Mr. Misra started his career with Tata Steel as Maintenance Head (Electrical), West Bokaro Coal Washery in July 1988. He brings with him a formidable 33 years of rich and diverse experience in Tata Steel, where he headed various strategic positions and portfolios like Plant Operations, Mining Operations, and Safety & Project Management. In his last assignment at Tata Steel, Mr. Misra worked as Vice President — Raw Materials Division.

### Convocation Chief Guests

Year	Name of the Chief Guest
2021	<b>Shri. M. Venkaiah Naidu</b> , Hon’ble Vice President of India
2022	<b>Ms. Hemalatha Annamalai</b> , Founder and Vice Chair, Green Collar Agritech Solutions Pvt. Ltd. and Founder and Former CEO, Ampere Vehicles Pvt. Ltd.
2023	<b>Prof. Archana Bhattacharyya</b> , INSA Honorary Scientist Indian Institute of Geomagnetism (IIG) (Govt. of India)
2024	<b>Dr. VVSS Sarma</b> , FNA, FNASc, Chief Scientist and Scientist-In-Charge, CSIR - National Institute of Oceanography

### Address by

### Mr. Arun Misra

### Chief Guest



Esteemed Chancellor, distinguished faculty, proud parents, honored guests, and, above all, the extraordinary graduating class of 2025 at the Indian Institute of Petroleum and Energy—congratulations! Today, you stand at the edge of something profound, a moment where the world pauses to celebrate you. As the CEO of Hindustan Zinc, a company that fuels industries with zinc, lead, and silver, I’m honored to share this moment with you, not just as a leader, but as someone who believes in the power of dreams, discipline, and daring to change the world. I’ve learned a few things while steering Hindustan Zinc through the complexities of a resource-driven world, but today, I want to share three simple truths—truths that echo the wisdom of visionaries like Steve Jobs and Warren Buffett, adapted for you, the architects of tomorrow’s energy future: stay curious, think differently, and build for the long haul.

First, stay curious. Steve Jobs once said, “Stay hungry, stay foolish.” He wasn’t talking about recklessness; he was talking about a relentless curiosity that refuses to accept the status quo. The energy sector is at a turning point. At Hindustan Zinc, we’re not just mining metals; we’re reimagining how they power a sustainable world—through renewable energy, net-zero goals by 2050, and partnerships like the one with IIT Madras for zinc-air batteries. You, as IIPE graduates, are entering a field where curiosity is your greatest asset. To get the best out of curiosity you must practice asking powerful and incisive questions.