



# PLACEMENT BROCHURE

## 2018-19

**B. Tech  
Petroleum Engineering &  
Chemical Engineering**

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY**

(An Institute of National Importance established under an Act of Parliament)  
Set up by the Ministry of Petroleum and Natural Gas (MoPNG), Govt. of India

“

**At RGIPT we believe in providing an environment where students can experiment with their ideas and learn from their own experience, thereby fostering creativity as well as rationality.”**

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# About RGIPT

## Overview

Rajiv Gandhi Institute of Petroleum Technology (RGIPT) is an Institute of National Importance established under the Rajiv Gandhi Institute of Petroleum Technology Act passed by Parliament in December 2007. RGIPT is an initiative of MoPNG (Ministry of Petroleum & Natural Gas) to cater to the technical & managerial talent needs of the petroleum and energy sector. RGIPT is co-promoted as an energy domain specific institute by six leading oil public sector units (ONGC, OIL, GAIL, BPCL, HPCL, IOCL) in association with the oil industry development board (OIDB). It is a leading and prominent engineering institute of the government of India, located at Jais, Amethi. The institute is associating with leading International Universities/Institutions specializing in the domain of Petroleum and Chemical Technology.

The prime objective of the Institute is to provide world class education, training, and research to roll out efficient human resources to meet the growing requirements of the Petroleum and Energy sector. The aspiration is to develop India as a global manpower hub for the entire Petroleum and Energy sector. Armed with excellent faculty members to cater to the needs of individual, the institute harnesses some of the best brains that have a flair for evolving technologies.

### Vision . . .

Rajiv Gandhi Institute of Petroleum Technology will be the cradle for inventions and innovations. It will advance knowledge and scholarship to students in Petroleum and Energy sector, and equip them to handle the challenges of the nation and the world in the 21st century.

### Mission . . .

- To disseminate knowledge in petroleum and energy sector through a portfolio of educational programs.
- To nurture responsive ethical engineers and leaders to make quantum differences.
- To encourage critical thinking and continuous improvement.
- To form a culture of innovation and contrivance.
- To extend their capabilities beyond limits.

### Values . . .

- |                               |                               |
|-------------------------------|-------------------------------|
| ■ Ethical Conduct             | ■ Inclusiveness and Tolerance |
| ■ Integrity and Trust         | ■ Creativity and Innovation   |
| ■ Passion for Excellence      | ■ Global Mindset              |
| ■ Sensitive Social Conscience |                               |

## Acknowledgement

RGIPT has a unique distinction and is the only national level institute being promoted by leading OIL & Gas PSUs of India. Since the inception of the institute, our promoters have provided guidance to develop industry oriented curricula for Undergraduate and Post Graduate Programmes and share knowledge, expertise and experience with students and faculty in the form of Guest lectures, Industrial Visits and Summer Training to develop innovative managers for energy industry. Also, their active participation in various activities of the institute shows their interest to develop a world class institution focused on the energy sector and they motivate us to develop such a platform where future leaders for Chemical, Petroleum and Petro-Chemical industries could be nurtured. We extend our thanks to these leaders for their support for creating “Petrocrats” for energy industry and developing campus infrastructure.

We are also thankful to our promoters for their participation and campus placement at RGIPT, Jais, U.P., India and inducting RGIPTians as Managers in their esteemed organisations. We hope that their support and guidance to develop world-class “Petrocrats” would continue in future also.



*Our Esteem Promoters*

# Message from Director



**Prof. P. K. Bhattacharya**  
Director, RGIPT

“

This pool of enthusiastic and motivated students are now ready to take the challenge of the corporate world and I am sure they would make significant contribution”

It's my pleasure to present the final year batches of undergraduate and post graduate students of Rajiv Gandhi Institute of Petroleum Technology (RGIPT) Jais, Amethi. Our institute was set up through an Act of Parliament (Rajiv Gandhi Institute of Petroleum Technology Act, 2007) and has been accorded the prominence of an “Institute of National Importance”.

As one of the prime educational and research institutes our goal is to excel in knowledge generation and dissemination. We foster creativity by setting up high standards for students so that they can experiment with their ideas and learn from their own experiences. Independent critical thinking is emphasized and encouraged in the classrooms, enabling our students to make sound and calculate decisions.

Lives of our students at RGIPT are interwoven with various extracurricular activities giving them opportunity to inculcate value-system and maturity, and refine their personalities. We are equally concerned with their academic excellence and emotional integrity here. The UG students are admitted on the basis of their A.I.R in IIT JEE Advanced and the PG students on basis of their Gate performance.

This pool of enthusiastic and motivated students, selected in the institute on the basis of their A.I.R. in IIT JEE Advanced 2015, are now ready to take the challenge of the corporate world and I am sure they would make significant contribution to the industry and hence to the country's growth.

I welcome you to read this booklet to know more about our Under Graduate & Post Graduate Programmes.





## Message from Chairperson Placement

**Dr. Sanjay Kumar Kar**  
Associate Professor

**“ We select only 120 Students every year out of approximately 13 lakhs applicants through IIT-JEE”**

Dear Recruiters,

Greetings from RGIPT family! I hope your industry is soaring high.

A batch packed with highly talented and immensely dynamic students is ready to tackle challenges of industrial world. The annual recruitment calendar for 2018-2019 starts with beginning of new academic year in August.

B. tech admission in our college is screened through probably the toughest exam in universe, IIT-JEE. 120 out of 1.3 million b. tech aspirants can secure admission in RGIPT.

At RGIPT these highly motivated students undergo mandatory courses in their field of interest. Internships at various reputed organisations, after third year, provide glimpse of the industrial life to the students. In the final year, finally students have to showcase all their learning and skills.

Along with studies, students excel in various cocurricular activities and have their branches outside classroom.

I request you to have a look at the profile of our final year students. Your invaluable support extended to us over the year is praiseworthy. Looking forward to nurture and grow old relationship with our new recruiters. Hope that our relationship will be mutually beneficial.

Looking forward to meet in our campus!

# General Council

## CHAIRPERSON

Secretary

Ministry of Petroleum & Natural Gas, Govt. of India

## MEMBERS

Chairman

Indian Oil Corporation Limited

Chief Executive Officer

Essar Group

Chairman & Managing Director

Bharat Petroleum Corporation Limited

Director General

Directorate General of Hydrocarbons

Chairman & Managing Director

Hindustan Petroleum Corporation Limited

Principal Advisor (Energy)

Planning Commission

Chairman & Managing Director

Oil and Natural Gas Corporation Limited

Executive Director

Oil Industry Safety Directorate

Chairman & Managing Director

Gas Authority of India Limited

Director

Indian Institute of Technology, Kanpur

Chairman & Managing Director

Oil India Limited

Director

University Institute of Chemical Technology

Chief Executive Officer

Reliance Industries Limited

Secretary

Oil India Development Board

Chief Executive Officer

Cairn Energy India Limited

President

Rajiv Gandhi Institute of Petroleum Technology

Chief Executive Officer

Shell India Limited

Director

Rajiv Gandhi Institute of Petroleum Technology



# Board of Governors

**Prof. K. B. Akhilesh**

*President, BoG*

*Professor, Department of Management Studies, IISC, Bangalore*

**Shri M. B. Lal**

*Former C&MD,*

*Hindustan Petroleum Corporation Limited*

**Prof. P. K. Bharadwaj**

*Professor – Department of Chemistry, Indian Institute of Technology, Kanpur*

**Shri Biswajit Roy**

*Director (HR)*

*Oil India Limited*

**Shri P. K. Joshi**

*Director (HR)*

*Hindustan Petroleum Corporation Limited*

**Shri Jitendra Prasad**

*Officiating Secretary - BoG*

*Acting Registrar, RGIPT*

**Prof. P. K. Bhattacharya**

*Director*

*Rajiv Gandhi Institute of Petroleum Technology*

**Prof. Pritam Singh**

*Former Director,*

*IIM Lucknow & MDI*

**Shri Prabhat Singh**

*CEO & MD,*

*Petronet LNG Limited*

**Dr. Pradip Kumar Singh**

*Director*

*CSIR – Central Institute of Mining & Fuel Research*

**Dr. D. Ramakrishnan**

*Professor – Department of Earth Sciences, Indian Institute of Technology, Bombay*

## Academic Programmes Offered

The objective of Rajiv Gandhi Institute of Petroleum Technology (RGIPT) is to promote capacity building in competencies required in the hydrocarbon sector covering the entire hydrocarbon value chain. To this end, RGIPT offers programmes of education and research at Graduate, Post-Graduate and Doctoral levels in various areas of the petroleum and energy sector.

### 4 Years Programme

**B. Tech**

### 2 Years Programme

**M. Tech & MBA**

### Research Programmes

**Ph.D & Post-Doctoral Fellowship**



Currently, RGIPT offers following Programmes at the Jais, Amethi Campus:

#### UNDERGRADUATE PROGRAMMES

- B. Tech. in Petroleum Engineering
- B. Tech. in Chemical Engineering

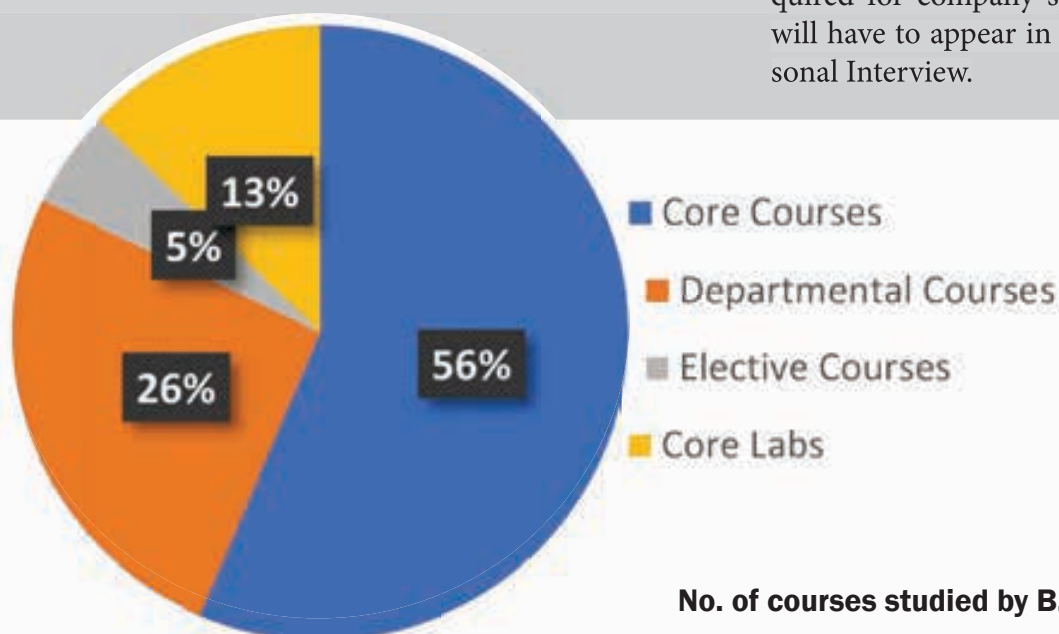
**Admission Process:** Admission is based on the IIT JEE Advanced ranking of respective year.

#### POST GRADUATE PROGRAMMES

- M. Tech. in Petroleum Engineering
- M. Tech. in Chemical Engineering

**Admission Process:** Candidates are shortlisted on the basis of GATE score. Shortlisted candidates are called for a written test followed by Personal Interview.

**Company sponsorship basis:** GATE score is not required for company sponsored candidates but they will have to appear in a written test followed by Personal Interview.



No. of courses studied by B. Tech. students





### **MBA IN PETROLEUM & ENERGY MANAGEMENT**

**Admission Procedure:** Written Test followed by Personal Interview. (2-Year Full-Time Programme)

**Admission Process:** Admission is provided on the basis of CAT/MAT/XAT/GMAT Score. Based on the scores, shortlisted candidates are called for Group Discussion and Personal Interview.

### **DOCTORAL PROGRAMMES**

Ph. D. Programmes in Petroleum Engineering, Chemical Engineering, Electrical Engineering, Renewable Energy, Mathematics, Physics, Chemistry, Geology, Geophysics, Geo-Informatics, Management, Humanities and Social Sciences.





# Courses Offered

## B. Tech – Petroleum Engineering

### 1 Semester 1

- Chemistry-I
- Mathematics-I
- Physics-I
- Professional Communication-I
- Computer Programming
- Introduction to Geo Sciences

### 2 Semester 2

- Chemistry-II
- Mathematics – II
- Physics-II
- Professional Communication-II
- Introduction to Petroleum Engineering
- Engineering Graphics & Workshop Practices

### 3 Semester 3

- Mathematics-III
- Thermodynamics
- Fluid Mechanics
- Materials Science
- Humanities and Social Sciences
- Heat and Mass Transfer

### 4 Semester 4

- Mechanics of Solids
- Behavioral Sciences
- Numerical & Statistical Methods
- Sedimentology & Structural Geology
- Drilling Technology
- Reservoir Engineering-I
- Drilling Fluid & Cement Testing Lab

### 5 Semester 5

- Electrical Engineering & Electronics
- Reservoir Engineering-II
- Formation Evaluation
- Basic Geoinformatics Engineering
- Petroleum Exploration & Prospecting

### 6 Semester 6

- Pipeline Engineering
- Process Dynamics & Control
- Artificial Lift and Design
- Production Operations
- Educational Excursion
- Advanced Drilling Technology
- Unconventional Resources

### 7 Semester 7

- EOR/ IOR Techniques
- Health, Safety & Environment
- Offshore Oil and Gas Technology
- Project work-I
- Well Test Analysis

### 8 Semester 8

- Petroleum Economics
- Numerical Reservoir Simulation
- Project Work-II/ Elective HSS
- Alternative Energy Sources
- Integrated Reservoir Studies
- Reservoir Simulation Software

## B. Tech – Chemical Engineering

### 1 Semester 1

- Chemistry-I
- Mathematics-I
- Physics-I
- Professional Communication-I
- Physical Education
- Computer Programming
- Introduction to Geo Sciences

### 2 Semester 2

- Chemistry-II
- Mathematics – II
- Physics-II
- Professional Communication-II
- Introduction to Petroleum Engineering
- Engineering Graphics & Workshop Practices

### 3 Semester 3

- Materials Science
- Mathematics-III
- Heat and Mass Transfer
- Fluid Mechanics
- Thermodynamics

### 4 Semester 4

- Behavioural Sciences
- Mechanics of Solids
- Numerical & Statistical Methods
- Petroleum Chemistry
- Petroleum Refining-I
- Unit Operations - I (Mechanical Operations)

### 5 Semester 5

- Chemical Reaction Engineering
- Petroleum Refining-II
- Economics
- Electrical Engineering & Electronics
- Mass & Energy Balances
- Natural Gas Processing

### 6 Semester 6

- Chemical Process Technology
- Unit Operation- 2 (Separation Processes)
- Unit Operation-3 (Heat Exchanger, Boilers)
- Process Dynamics & Control
- UOP Laboratory-1
- Hydrocarbon Thermodynamics

### 7 Semester 7

- Heterogenous Catalysis and Reactor Design
- Plant Design
- Project Work-1
- Health, Safety & Environment
- UOP Laboratory-2
- Elective-1 Transport Phenomena
- Elective-2 Electrochemical Processes & Energy System

### 8 Semester 8

- Elective-3 (Fluidization Engineering)
- Alternative Energy Sources
- Modelling Simulation & Optimization
- Project Work-II
- ChE Software Lab
- Elective-4 (Process Intensification)

# Faculty at RGIPT

## Dr. Abhay Kumar Choubey

Associate Professor, Chemistry  
Ph.D., IIT BHU

## Dr. Alok Kumar Singh

Associate Professor, Geology  
Ph.D., IIT BHU, India

## Dr. Alpesh Kumar

Assistant Professor, Mathematics  
Ph.D., IIT Kanpur, India

## Dr. Amit Ranjan

Associate Professor, Chemical Engg.  
Ph.D., University Of Minnesota

## Dr. Amritanshu Shukla

Associate Professor, Physics  
Ph.D., IIT Kharagpur

## Dr. Anirban Mukherjee

Assistant Professor, Sociology  
Ph.D., Kansas State University, USA

## Dr. Arshad Aijaz

Assistant Professor, Chemistry  
Ph.D., IIT Kanpur, India

## Dr. Atul Sharma

Associate Professor, Renewable Energy  
Ph.D., Devi Ahilya University

## Dr. Chanchal Kundu

Associate Professor, Mathematics  
Ph.D., IIT Kharagpur

## Dr. Debashish Panda

Assistant Professor, Chemistry  
Ph.D., IIT Bombay

## Dr. Gunjan Kumar Agrahari

Assistant Professor, Chemical Engg.  
Ph.D., IIT Kanpur

## Dr. Koushik Guha Biswas

Assistant Professor, Chemical Engg.  
Ph.D., IIT Kharagpur

## Dr. M. S. Balathanigaimani

Associate Professor, Chemical Engineering  
Ph.D., Chonnam University, South Korea.

## Dr. Manoj Kumar Rajput

Assistant Professor, Mathematics  
Ph.D., IIT Kanpur, India

## Dr. Milan Kumar

Assistant Professor, Chemical Engg.  
Ph.D., University of Tennessee, Knoxville, USA

## Dr. Rakesh Kumar

Assistant Professor, Chemical Engineering  
Ph.D., IIT Kanpur

## Dr. Satish Kumar Sinha

Associate Professor, Geophysics  
Ph.D., University of Oklahoma, USA

## Dr. Saurabh Mishra

Associate Professor, English  
Ph.D., Ch. Charan Singh University, Meerut, India

## Dr. Shivanjali Sharma

Assistant Professor, Petroleum Engineering  
Ph.D., ISM, Dhanbad

## Dr. Shusham Biswas

Assistant Professor, Geo-informatics  
Ph.D., IIT Kanpur

## Dr. Tushar Sharma

Assistant Professor, Petroleum Engineering  
Ph.D., IIT Madras, India

## Dr. U. D. Dwivedi

Assistant Professor, Electrical Engineering  
Ph.D., IIT Kanpur

## Dr. Umaprasana Ojha

Associate Professor, Chemistry  
Ph.D., IIT Bombay

## Dr. V. S. Sistla

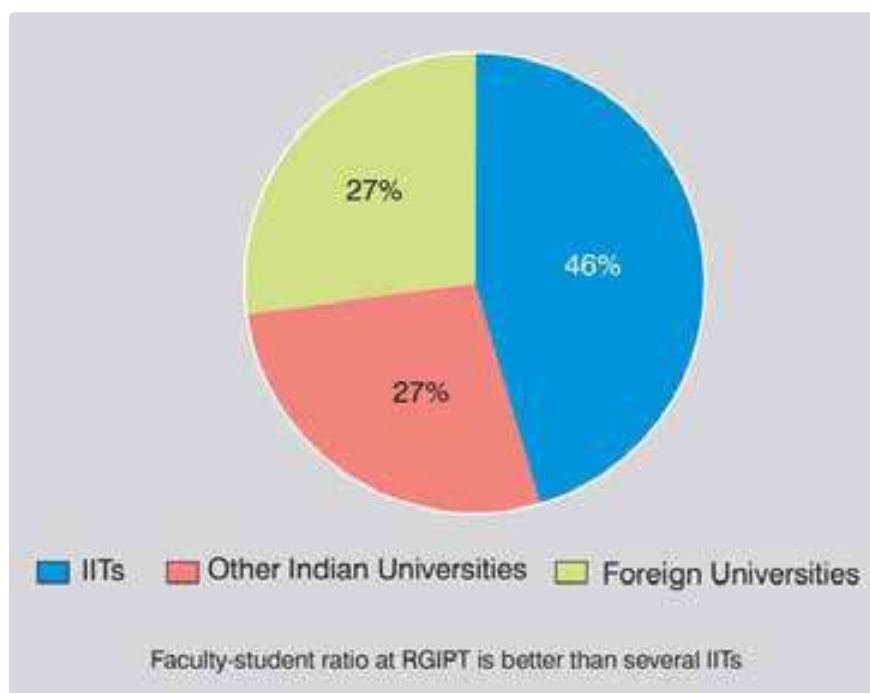
Assistant Professor, Chemical Engineering  
Ph.D., Otto-von-Guericke-University, Magdeburg, Germany

## Shri. D. C. Tewari

Visiting Faculty, Reservoir Engg.  
Ex-General Manager: Reservoir, ONGC

## Shri. Vipin Kumar Bhalla

Visiting Faculty, Petroleum Engineering  
B.Tech, Mechanical Engineering, IIT BHU





# Institutional Collaboration

- Allahabad University
- Indian Institute of Technology Kanpur
- Texas A & M University, USA
- University of Houston, USA
- Chonnam National University, South Korea
- Louisiana State University, USA
- Heriot-Watt University Aberdeen
- Indian Institute of Technology, BHU
- National Chemical Laboratory
- National Geophysical Research Institute, Hyderabad
- Physical Research Laboratory, Ahmedabad
- University of Massachusetts
- Lund University, Sweden
- Università di Salerno, Italy
- Università di Napoli Federico II, Italy



# Faculty Speak



Our unique B.TECH program, co-created by industry and academia, provides an exciting learning environment that fosters students' intellectual curiosity, analytical thinking, and cooperative problem solving. Students are provided with ample opportunities to test conceptual ideas in real-world contexts, and evaluate theory in light of practice. A healthy blend of domain specific content and industry interface gives our B.TECH students a significant leg up when they step into the corporate world.

**Shri Vipin Kumar Bhalla**

*(Visiting Professor, Petroleum Engineering)*



Our B.TECH students are groomed for corporate/ professional world and are working at top positions in many PSU's and private sectors. The regular training programs, workshops, assignments, field studies and summer internships nurture them with additional skills. They are motivated to produce the best of their knowledge and highest of their capabilities.

**Dr. A. A. Gupta**

*(Visiting Professor, Petroleum Engineering)*



Our B.TECH program gives us ample opportunity to work with cohesiveness and create strong working relationships. The bond established in such an environment is that of a work group rather than a typical student-teacher relationship. This enables everyone to learn and grow together. Exposure to industry professionals helps students develop a better understanding of real industry challenges, thereby improving their employability.

**Shri Avinash Chandra**

*(Visiting Professor, Petroleum Engineering)*



I am delighted to introduce to you the B.TECH batch 2019. At RGIPT, we trust in imparting practical training where students apply their thoughts captured through classroom education, in a way nurturing wisdom. Our B.TECH program has been planned with regular involvements between industry and academia. The current batch is a pool of enthusiastic and inspired students whom I trust would make significant contribution to industry and hence to country's development.

**Shri D. C. Tewari**

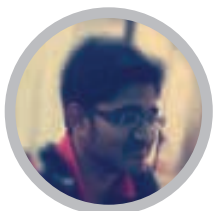
*(Visiting Professor, Petroleum Engineering)*

**Sreelekha Reddy**

B. Tech., Petroleum Engineering (2010–2014)

**Current** – *Process Data Engineer- Subsurface and Wells at Shell*

The B.Tech Petroleum engineering course at RGIPT, is a flagship course intended to effectively capture the nuances of the global oil and gas industry. The course not only helped in developing key insights in the energy sector but also provided a platform for comprehensive development of technical, management and leadership skills which have proved instrumental in the current challenging scenarios being faced by the oil and gas industry.

**Sree Rama TEJA**

B. Tech., Petroleum Engineering (2013–2017)

**Current** – *Assistant Manager at Essar Oil*

My Journey of four years at RGIPT has helped me to knot the threads between theoretical fundamentals and the real time Petroleum industry environment. B.Tech Petroleum engineering at RGIPT helped me to acquire skillsets which induced enthusiasm and confidence for me to grab the opportunities and take the challenges of the corporate world. I am grateful to the faculty members to have provided such a wonderful environment of learning and enrichment.

**Gaurav Bajpai**

M. Tech., Petroleum Engineering (2009–2011)

**Current** – *RPS/LWD Engineer at Baker Hughes*

RGIPT is not afraid to offer courses which are niche, even when a specific subject area is so new that no curriculum or text exists. For me, this program was not confined to those four walls of a floor. The curriculum, teachers and even fellow students always encouraged me to go beyond the classroom and add more to my learnings. My survival ride was in a paradoxical environment, where the program provided a safe cocoon, but professors prepared me for a challenging arena. In the end, it allowed me to grow in personal ways, I hadn't even imagined".

**Akanksha Mishra**

B.Tech., Petroleum Engineering (2012–2016)

**Current** – *Officer (E&P) at Indian Oil Corporation Limited*

RGIPT was a doorway to new learning and offered a horizon of opportunities. The string of versatility ranged from rigorous academic curriculum to industry exposure to corporate competitions to International Conferences; each played a pivotal role to shape my outlook, confidence and capabilities. The course gave me an opportunity to understand the intricacies of energy sector from experienced faculties and industry experts. There was a perfect balance of learning inside and outside the classroom, with options to explore and grow in the direction you desire"



Alumni Speak



# STUDENT CLUBS





# Science & Technical Committee

It is a student technical activities body of RGIPT. As an umbrella organization it coordinates Tinkering Lab, Kode Club, and E-Cell and organizes Annual Technical Festivals like Urjotsav (Technical Fest). We work to foster technical, entrepreneurial, and management skills in institute students by providing a platform to convert ideas to prototypes and prototypes to products.



## Tinkering Lab

Every engineer is a Tinkerer. The curiosity of knowing how vast variety of things around us work is probably the reason we choose this noble profession. The Tinkering Lab offers the space & logistics for the people to collaborate together and turn ideas into products. The lab offers a sack full of sensors, modules, prototyping boards, peripherals & other hardware and is open to acquire more as per project needs.



## Kode Club

We believe that every engineer should learn to program a computer, because it teaches you how to think. The focus areas of our club include Data Science, Machine Learning, Application Development, and Simulations for Oil & Gas Industry.



## E-Cell

Entrepreneurship cell RGIPT is an organisation that functions to support and facilitate Industrial and commercial adaption of technologies that can create a positive change in our society. Our team collaborate with Tinkering Lab & Kode Club to make their projects viable for market and strives to find apt platforms to launch and showcase them.



# Cultural Committee

We at RGIPT desire to create socially aware and culturally sound society. We believe that this is necessary for the overall development of individual's personality. With the motto of holistic growth of students, Cultural Committee of RGIPT organizes several events throughout the year. All clubs of Cultural Committee function round the clock in constructing a refreshing environment. The clubs are as follows:

## Dance Club

It was formed in order to bring out the dancing talent amongst the students of RGIPT. The club was established with the mission of bringing out the hidden talents among students thereby providing them with an opportunity to showcase their dancing talent and interest in various dance forms.

## Drama Club

It is one of the most progressive clubs of RGIPT and has been very consistent with its performance in plays and outside of the college. It has been doing a tremendous job of organizing, conducting and participating in various drama competitions. The drama club has kept alive the spark of drama in every aspiring actor in the college.

## Music Club

It is an extremely diversified club dedicated to the promotion of Hindustani classical/semi classical, Carnatic, Bollywood, light, folk, regional, and many other forms of music. It offers an ideal platform for exchange of musical ideas, appreciation of music and musical development.

## Literary club

The Club is for enhancing of communication and editorial skills of RGIPT student's community by providing them the platform and mentoring by means of events and a publication.





# Social Initiatives at RGIPT

## ARPAN Social Club

The students strive not only for academic excellence, but also are sensitive towards society and do things that touch people and communities – they run a non-profitable social initiative club, called ARPAN. One of the main activities of ARPAN is running an evening teaching centre at the Primary School in Jais

### ARPAN Initiatives

#### Gyan Arpan Teaching Centre

*“The gift of food is great indeed, but the gift of knowledge is paramount. While satisfaction gained from food is only temporary, knowledge can bring a lifetime of satisfaction”*

- Here the unprivileged kids of the nearby villages are taught from the elementary level to high-school free of cost.
- Book and stationary distribution

#### Blood donation camp

The joy of serving others is one of the best joys that gives a feeling of satisfaction to oneself. For the betterment of the community, ARPAN time to time organize blood donation camps at RGIPT with the help of Red Cross Society.

#### Public Awareness program

- **Swachh Bharat Abhiyan**, whose aim is a clean, green and healthy India, is a national level campaign launched by the Government of India. ARPAN mainly emphasized on the problem of open-defecation and the need to keep the neighbourhood clean.
- **Beti Bachao-Beti Padhao**, an effort to eradicate gender inequality and the importance of educating the girl child was also impressed upon the villagers.

### Testimonial

We feel very motivated when our small attempt to bring a change in society is appreciated. On 17th November, 2017, Dr. A. A. Gupta (Former Executive Director, IOCL R&D Centre), Mr. A. K. Dwivedi (Former Group General Manager, ONGC) and Dr. D. C. Tewari (Former General Manager, ONGC)





## Student Related Project



### Technical Project

- Autonomous Drone for rig surveillance.
- Intelligent Fire & Safety device
- Land Rover for unman land resonance.
- Basic calliper log using ultrasonic sensor.
- Data Science on Earthquake data to predict future Earthquake.
- Web & Coding Team
- IoT in Oil & Gas
- Unmanned Railway Crossing Team
- Home & Industrial Automation Systems

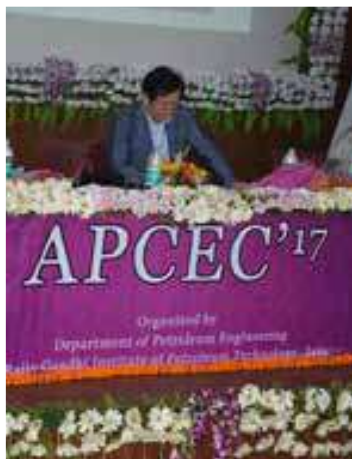


### Research Project

- Mr Mayank Kumar Jha and Mr Ashutosh Gupta's poster on Use of Data Science to predict gas hydrates choking in the oil and gas industry was mentioned in DEW Journal, February 2018 edition
- Mr Sri Sandeep and Mr Piyush Kumar's paper on "Nano-dot composite for API fluid loss reduction of HPHT Drilling fluid" secured First Prize in Parishti'18, National Research Scholars' Symposium, RGIPT.
- Mr Akansh Nema and Mr Rakshit Pareek's paper on The Role of Glutathione and Ethanol in dictating the emission dynamics of Natural resources- derived highly luminescent Carbon Nano-dots in ChemistrySelect (2017, 2, 11255-11264)
- Mr Uttam Kumar's Paper on Non-lithographic copper wire-based fabrication of microfluidic reactors for biphasic flow applications published in Chemical Engineering Journal 2018
- Mr Aamir Ahmed and Mr Palash Aglawe's paper on "Application of Capillary Suction Timer for Performance Studies of shale Inhibitors in water based mud" secured Second Prize in Parishti'18, National Research Scholars' Symposium, RGIPT.



## Festivals and Events @ RGIPT



### URJOTSAN

National level & Entrepreneurial Fest. It aims to provide a platform for tomorrow's industry leader to showcase their talents. The underlying spirit of these event is "to promote technology and scientific thinking and innovation". It aims at providing a platform for student's community to develop and showcase their technical power.

### WINTER SCHOOL

The Winter School-2018 "Digital Transformation in Oil & Gas Industry", was aimed at introducing tomorrow's Oil & Gas Engineers to the role of Digital Transformation like Data Science, Machine Learning, Artificial Intelligence and the Internet of Things in transforming the oil and gas industry.

### ENERGIA

Physical activities are a common form of recreation and a source of well-being, and are key to improving physical fitness and physical and mental health. RGIPT organizes a National Level Sports Fest.

### KALTARANG

Our very own Cultural Fest "Kaltarang"; although initiated in 2011 has grown to become a prominent fest in Northern India. It provides a platform for the participants to showcase their talent to the nation and compete with the best.



# Infrastructure

RGIPT Jais Campus was inaugurated by Shri Prakash Javadekar, Union Minister of HRD, Smt. Smriti Zubin Irani, Union Minister of Textiles, and Shri Dharmendra Pradhan, Union Minister (IC) of MoP&NG on 22<sup>nd</sup> October 2016.

Some of the salient features of Jais campus are:

- Spread over 47 acres of land
- Hostels for 542 rooms (~ 1000 students)
- Sports & Gym Facilities
- Administration Building
- Computer Centre & Central Library
- Two Academic Blocks and Research Labs
- Vivekananda Lecture Hall
- Guest House, Health care Centre & Commercial Complex





Administrative Block



Lecture Hall



Academic Buildings



Guest Hostel



Health Centre



Faculty & Staff Housing



Indoor Sports



Outdoor Sports



Student Hostel



# Research Laboratories at RGIPT

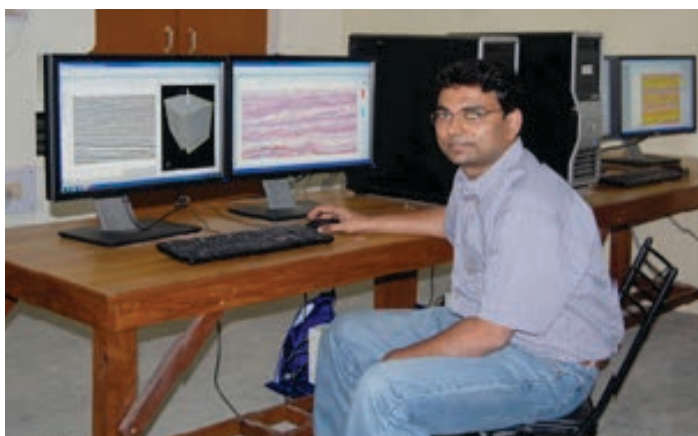
## GEO-SCIENCE LABORATORY

In Geo-Science Lab, rocks and minerals like- Opal white, Gypsum, Feldspar, Galena cubes, Stibnite, Apatite, Limonite, Biotite, etc. are available and students use these rocks to identify physical properties and analyze optical properties of that rocks and minerals. It helps students to develop basic concept for determining the existence of petroleum products in that rock bed.



## EXPLORATION & PROSPECTING LABORATORY

An exploration and prospecting lab has been established with the state-of-the-art technologies. There are 13 workstations in the lab with dual monitor set up and a projection system. The Dell T7500 workstation is fitted with Xeon Processor, 24 GB RAM, and graphics card with 6 GB memory. Large size of memory helps in better visualization of 3D seismic datasets. KINGDOM & OpendTect software is being used for teaching seismic data analysis for reservoir characterization.



## NON-CONVENTIONAL ENERGY LABORATORY

This lab has been established to teach students about the alternate sources of energy. The prime objective of this laboratory is to implement the optimal solar power system for RGIPT and develop educational environment in the field of non-conventional energy based on solar power. The



lab is well equipped with instruments like Differential Scanning Calorimeter (DSC), Data Acquisition Unit and other relevant apparatus.



### DRILLING FLUID & CEMENTATION LABORATORY

It has been developed for the testing of properties of drilling fluid (Mud) to be used for the circulation in the bore well. In this lab, equipment like- Multi speed VG viscometer (6 speeds & 12 speeds), Fitter press, Mud balance, pH meters, HPHT Viscometer, Sand content measuring tube, Marsh funnel viscometer, HP Viscometer, HPHT Filter Press, Atmospheric Consistometer, Roller oven with 8 aging cells, etc. are available to practice.



### PETROLEUM PRODUCT TESTING LABORATORY

It is equipped with conventional and modern equipment such as Abel's testing equipment, Cloud & pour point, Redwood viscometer, Copper strip corrosion test apparatus etc.



### UNIT OPERATION LAB

The unit operation lab combines the theoretical and practical chemical engineering practices. This equipment creates an atmosphere of "miniaturized" chemical processes where the students learn the concept of chemical processes being composed of a variety of unit operations.



The offered exercises include: Liquid flow in pipes and measuring major and minor losses, centrifugal pump systems, flow in packed columns and fluidized column, rotary drum filtration, flow control trainer, continuous and batch distillation, absorption in packed column, plate heat exchanging, liquid and liquid extraction temperature and pressure processes and process control trainer, two phase flow in packed bed, Drop wise and film wise condensation.

### GREEN SEPRATION LAB

Green separation lab helps Chemical engineering students to understand about the processes which reduce the harmful gaseous emission from the industry and the prospective of it. With the understanding of chemical engineering being applied, the student of RGIPT here develop green (eco-friendly) separation technologies to capture CO<sub>2</sub> from large point sources. This contemplates advanced separation processes coupled with Process modeling, simulation and optimization.

## PETROLEUM RESERVOIR ENGINEERING LABORATORY

It has been set up for Petroleum Engineering students to find out the reservoir properties of the formation. This lab is equipped with equipment like: Liquid Permeameter, Gas Permeameter, Saturation type porosity meter, Core Plug Drill Press, Electrical Log Simulator, BHP Chart Reader, Core Flooding Apparatus, etc.



## SURVEYING LABORATORY

Surveying laboratory is equipped with conventional and modern surveying equipment such as tape, auto level, total station, GPS & DGSP etc. Students are exposed to the state-of-the-art techniques of the use of surveying data for application of Petroleum Engineering.



## IT LAB

Our computer center has software for upstream and downstream sectors of petroleum industry. These include MATLAB, MAPLE, MATHEMATICA, AUTOCAD, Civil 3D, ASPEN, ANSYS Fluent CFD, UTCHEM, Geo-EAS, CMG Software, OpendTect and KINGDOM Suite.



## CENTRAL LIBRARY

The institute has a well stocked and fully computerized library with a large and ever growing collection of books. Currently, more than 5000 books, 35 printed journals, 20 magazines, online access to over 30,000 full text online journals are available in the library. Campus wide internet connectivity provides students access to online library resources such as Infraline, EBSCO, Emerald, Science Direct, Springer, Taylor & Francis, CMIE, OnePetro, SEG, AAPG etc.





# Professional Bodies at RGIPT

## Student Chapters

Chapters give us a much-needed edge in the global job market and the knowledge, experience and networking you need to begin your career successfully. Our chapters divide their time between activities that enrich their education and give back to the community. Our student chapter organizes various events including talks, workshops, coding competitions and many other literary and technical events. It brings an effective linkage between technical institution, industry and society. Our student chapter are recognized, praised and have received awards, and recognition nationally as well as internationally.



**EAGE** EUROPEAN  
ASSOCIATION OF  
GEOSCIENTISTS &  
ENGINEERS

**AIChE**  
The Global Home of Chemical Engineers



**SEG**  
SOCIETY OF EXPLORATION  
GEOPHYSICISTS



**SPE**  
Society of Petroleum Engineers

**FIPI**  
Federation of Indian Petroleum Industry



# Student-Industry Interface



## INDUSTRIAL/FIELD TOURS

The final year students of B. Tech Petroleum Engineering went for geological field trip in Dehradun Valley and studied the Himalayan Sequence of Dehradun Mussoorie sector in their 6th Semester. The final year B. Tech Chemical Engineering students visited EIL(R&D), IOCL (R&D Center) Faridabad and IOCL Panipat Refinery in their 6th semester to interact with experts and to know the working processes of refineries. They also visited Indian Institute of Petroleum(IIP) and Indian Glycol Company, Dehradun and will also visit IFFCO Plant Phoolpur, Allahabad in the 8th semester of their study.



## INDUSTRIAL TRAINING:

Undergraduate and Postgraduate students spend 2-8 weeks in various leading PSUs & other esteemed organizations like ONGC, IOCL R&D centres and refineries, BPCL, HPCL, EIL, Haldia Petrochemicals Ltd., RIL, Essar Oil etc. during their summer or winter training. Students work on ongoing Industrial projects and they also need to present their training work to faculty committee of RGIPT.



## Lectures by Experts from various Industries:

Since inception, RGIPT has been focussing on academy-industry interaction for knowledge and experience sharing. To make this more effective, Institute invites experts from various industries to share their industrial/Field experiences with the young budding “Petrocrats”. These interactions usually happen during various events organized by students of RGIPT.



# Industry Speaks & Industrial Training

**"We had a very interesting and effective interaction with the students. They all were knowledgeable and performed well."**

**GM(HR) GAIL**

**"Excellent administrative arrangement clubbed with very high quality of student intake and development"**

**GM(HR) IOCL**

**"Good to interact with students and director. We found very bright students, keep it up"**

**Accenture**

**"We saw good quality students along with excellent arrangement for hospitality"**

**GM(HR) OIL**

**"RGIPT has very good quality students. Curriculum is very industry specific as could be gauged during interviews"**

**Chief Manager  
(Recruitment & Manpower Planning) HPCL**

**"Good quality students and faculty ratio"**

**ONGC**

**"We found very enthusiastic staff and friendly environment at RGIPT, keep it up"**

**DGM(HRD) BPCL**

**"Excellent students and arrangements, liked the positive attitude of students and faculty"**

**HMEL**

## IOCL Training Program:

RGIPT conducted four training programs on Refining Technology for officers of Indian Oil Corporation Limited.



## Management Development Program:

Department of Management Studies, RGIPT conducted a 2 days Management Development program on Negotiation Skills for Manager/Senior Managers in various functional domains of different organizations.



## Institute- Academia Conclave:

RGIPT celebrated the Technical and Entrepreneurial Fest – Winter School' 18, with the theme "Digital Transformation in oil & gas Industry". This fest was a confluence of streams of professionals from academia, research institutes and industry. It witnessed a participation of approximately 300 students and 20 industrial delegates from all across the country.

## Short Term Courses

- Three days Petroleum Geomechanics Course to ONGC.
- Two days training program on Advance Refinery Technology in BPCL, Kochi.



# Prominent Recruiters



# Placement Procedure and Contact Details



1

## **Pre-Placement Talks**

Placement committee and placement officer will work with recruiters to streamline the placement process. The student placement committee gets involved in the recruitment process right from corporate interactions to pre-placement talks (PPT) and coordinating all recruitment related activities. They will help schedule PPT presentations (up to 2 rounds) to enable the representatives of companies to share the profile of their company, key aspects of business, work environment, opportunities, roles and compensation which will be offered to the students.

2

## **Application and Shortlists**

In response to job descriptions given by companies, interested students apply through the placement office. A detailed resume is submitted by the students as part of the application process. On the basis of student applications, companies are required to send shortlists to the office at least a week prior to their final placement interviews.

3

## **Placement Interviews**

Companies can interview the students they have shortlisted, on the date provided by the placement office. The final placement interview gives the company and the student an opportunity to discuss the role in detail and make the right choice.





## 4

### Offers and Acceptance

The company can make an offer to the student after the final interview. For an offer to be valid, it should include details of role, location, remuneration, and other relevant terms and conditions required by the candidate to make a decision. Negotiations on compensation and other terms of employment should be held in strict confidence between recruiter and the candidate. However, the company needs to inform the placement office to ensure effective and efficient hiring for all recruiters. The acceptance of an offer is governed by placement rules of the institute which are framed at the beginning of the academic year and may vary from year to year.

### Placement Office

**Dr. Sanjay Kumar Kar**

e-mail: skar@rgipt.ac.in

Contact No.: +91-8802254744

**Er. Saji Samuel**

e-mail: placements@rgipt.ac.in

Contact No.: +91-9839447665

### Placement Committee

**M. Aditya**

e-mail: epe15019@rgipt.ac.in

Contact No.: +91-8299223819

**Om Mishra**

e-mail: eche15018@rgipt.ac.in

Contact No.: +91-8853039488

## Location

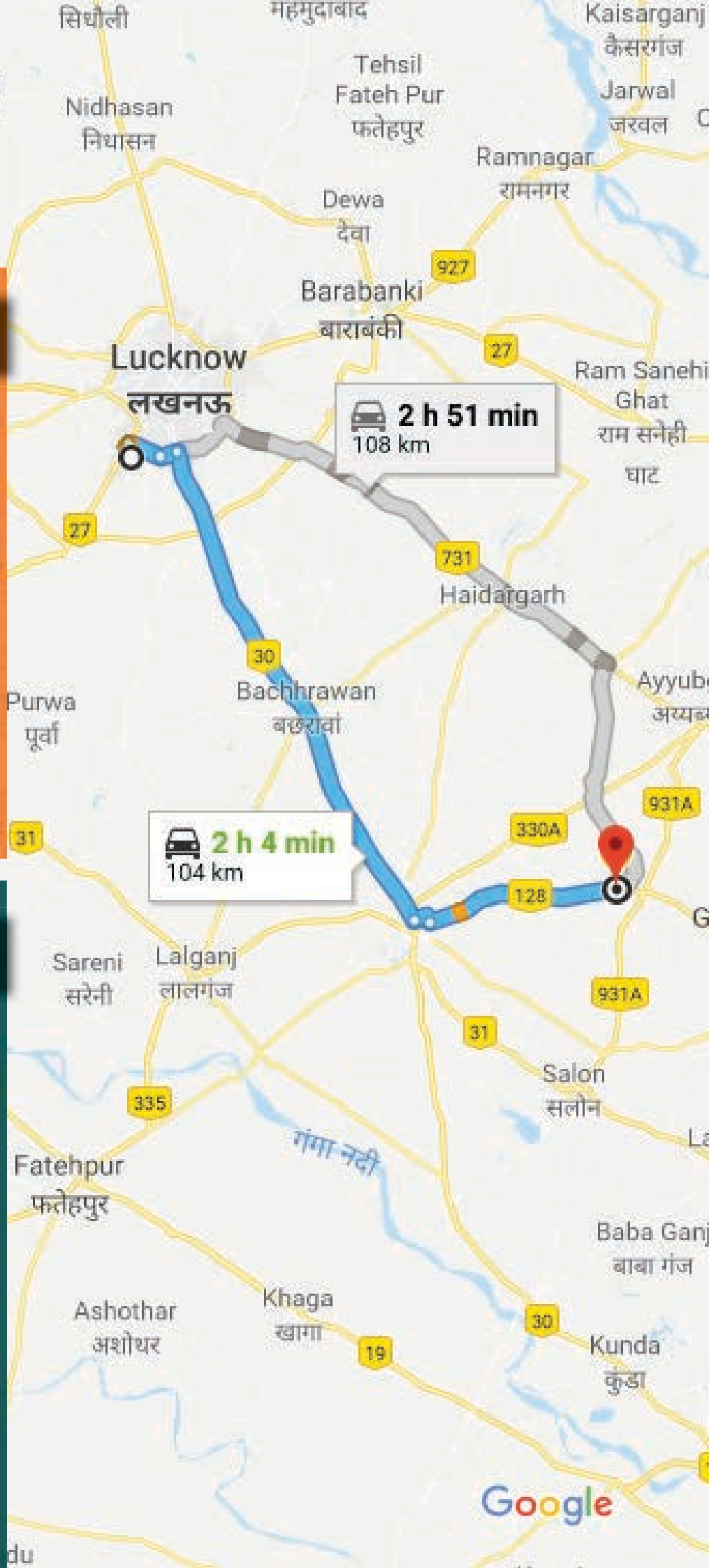
The Institute is located near Lucknow the capital of Uttar Pradesh. It is nearly 200 Km from holy city of Banaras. It is located besides national highway (NH) 128. The Institute is a fully residential campus with all modern amenities and world class facilities inside the campus with state of art campus covering an area proposed 150 acres and constructed 47 acres.

RGIPT also has its campus in Noida sector-73, a modern city well connected and all facilities are available.

## How to Reach Us

Although the nearest airport to RGIPT Jais is Furshatgang Airfield, it is 19.3 Kms away, it is used for small aircraft and helicopters, mostly by political dignitaries. The nearest international airport is Chaudhary Charan Singh, International Airport in Lucknow is 110 km away. It provides flight connectivity all over country and across different countries.

The RGIPT NOIDA office located in NOIDA Sector-73, is 25 Km away from national capital Delhi.







## Rajiv Gandhi Institute of Petroleum Technology

### Placement Participation Form

(Please send filled-in form by fax/speed-post/e-mail)

**FROM:**

Company Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Address: \_\_\_\_\_

Postcode: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_ Mobile: \_\_\_\_\_

To,  
Placement Office ,  
Rajiv Gandhi Institute Of Petroleum Technology  
Bahadurpur, Mukhetia More, Post: Harbanshganj,  
Jais, Amethi - 229304, U.P., India  
Phone: +91-9839447665, +91-5313-250022 | Fax: +91-5313-250022

We are interested in recruiting your students of following branch in the following areas:

Sl. No.	Branch	Areas	No. of Positions

Job details are as follows (Enclosures may be used): \_\_\_\_\_

Remuneration Package for above positions is as follows:

	During Training	After Confirmation
Basic Pay		
Other Allowances		
Emoluments		
CTC		

Training Period: \_\_\_\_\_

The selection procedure will be (Please tick): ☐ Written Test ☐ Group Discussion ☐ Interview

Venue: ☐ Campus ☐ Off-campus

Facilities Required: ☐ LCD ☐ Laptop ☐ TV, VCR ☐ Projector

Preferred date(s) of visit to campus: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

We welcome you to our campus for final placement.



## CONTACTS

### Chairman Training & Placement



**Dr. Sanjay Kumar Kar**

Associate Professor

☎ +91-88022 54744(m)

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### Training & Placement Officer:



**Er. Saji Samuel**

Assistant Placement Officer

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### Faculty Branch-wise Coordinators:



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## RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY

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