



विद्यारत्नम् महोदयम्

**RAJIV GANDHI INSTITUTE OF  
PETROLEUM TECHNOLOGY (RGPT)**

# वार्षिक प्रतिवेदन ANNUAL REPORT 2015-16



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# निदेशक का संदेश

मुझे अकादमिक सत्र 2015-16 का वार्षिक-प्रतिवेदन प्रस्तुत करने का जो गौरव प्राप्त हुआ है उससे प्रसन्न हूँ। हमलोगों ने वर्षों से अपने लक्ष्यों पर ध्यान केन्द्रित कर कुछ महत्वपूर्ण चुनौतियों पर विजय प्राप्त किया है। जिस तरीके से संस्थान के प्राध्यापकों ने सालभर महत्वपूर्ण अध्ययन किया है उससे आरजीआईपीटी, अपने शोध केन्द्रित संस्थान होने के दावे पर खड़ा उतरा है। अंतरराष्ट्रीय स्तरों की पत्रिकाओं में शोध पत्र प्रकाशित करने के अलावे, संस्थान के प्राध्यापकों ने हियोशी यंग लीप अवार्ड 2016 (हियोशी कॉर्पोरेशन जापान) एवं सुब्रत घोष कोल पेट्रोलॉजी अवार्ड 2015-16 (माइनिंग, जीओलॉजिकल एंड मेटॉलर्जिकल इंस्टीट्यूट ऑफ इंडिया) जैसे राष्ट्रीय पुरस्कार भी प्राप्त किये हैं।

हमारे संस्थान के छात्र भी उपलब्धियाँ हासिल करने में पीछे नहीं रहे हैं। उन्होंने राष्ट्रीय व अंतरराष्ट्रीय प्रतियोगिताओं, यथा- आईएसटीई-आईपीसीएल सर्वश्रेष्ठ एम.टेक. थिसिस अवार्ड, सर्वश्रेष्ठ पेपर प्रेजेंटेशन अवार्ड (प्रथम साउथ एशियन जीओसाइंसेज स्टूडेंट अवार्ड) जैसे कई पुरस्कार जीते और संस्थान को अंतरराष्ट्रीय फोरम में प्रतिनिधित्व किया है। इसके अलावे, रायबरेली स्थित हमारे छात्रों ने द्वितीय टेकफेस्ट खनिज-2015 व वार्षिक सांस्कृतिक कार्यक्रम कलतरंग-2016 का आयोजन बड़े ही शानदार ढंग से किया जिसमें बड़ी संख्या में प्रतिभागियों ने भाग लिया। इस अकादमिक वर्ष में कैम्पस प्लेसमेंट की स्थिति में महत्वपूर्ण सुधार आया क्योंकि तेल व गैस क्षेत्र की अधिकतर सार्वजनिक क्षेत्र की कंपनियाँ कैम्पस प्लेसमेंट में भाग लेकर बच्चों का चयन किया।

आरजीआईपीटी ने अगस्त 2015 में अपना प्रथम दीक्षांत समारोह डीआरडीओ, नई दिल्ली में आयोजित किया और मुख्य अतिथि श्री धर्मेन्द्र प्रधान, राज्यमंत्री (स्वतंत्र प्रभार), पेट्रोलियम व प्राकृतिक गैस मंत्रालय एवं सम्माननीय अतिथि श्री कपिल देव त्रिपाठी जी का आतिथ्य कर गौरवान्वित हुआ। संस्थान में उच्चतर प्रबंधन में नये बोर्ड अध्यक्ष व निदेशक के कार्यभार संभालने से बदलाव आया। हमें आशा है कि बोर्ड सदस्यों की मदद से संस्थान, तेल व गैस क्षेत्र में विश्वस्तरीय संस्थान बनाने की ओर निश्चित रूप से गति पकड़ेगा।

आरजीआईपीटी के जायस कैम्पस का निर्माण कार्य भी अंतिम चरण में पहुँच गया है और संस्थान की योजना अक्टूबर-नवम्बर 2016 से नये कैम्पस से अकादमिक कार्यक्रम शुरू करने की है। जायस कैम्पस में उपलब्ध पर्याप्त स्थान एवं संसाधन हमें कुछ नये स्नातक व परास्नातक स्तरीय कार्यक्रम शुरू करने में सक्षम बनायेगा।

संस्थान ने 2008 में पेट्रोलियम व केमिकल इंजीनियरिंग में बी. टेक., पेट्रोलियम इंजीनियरिंग में एम. टेक. एवं पेट्रोलियम व एनर्जी मैनेजमेंट में एमबीए कार्यक्रम के साथ एक छोटी शुरुआत की थी, जिन्हें इन वर्षों के दौरान और सुदृढ़ कर संस्थान ने अपने आपको क्षेत्र विशिष्ट शैक्षिक व क्षमता निर्माण केन्द्र के रूप में विकसित किया है और अब इंजीनियरिंग, विज्ञान व प्रबंधन अध्ययन में पीएच.डी कार्यक्रम भी शुरू किया है।

हम पेट्रोलियम व प्राकृतिक गैस मंत्रालय, सामान्य परिषद्, संचालक मंडल, वित्तीय समिति, अकादमिक सीनेट, अपने संरक्षकों, तेल व गैस क्षेत्र की अन्य कंपनियों का आभार व्यक्त करते हैं जिन्होंने न सिर्फ सहयोग दिया, बल्कि अकादमिक व प्रशासन में भाग लेकर हमें सशक्त बनाया है।



प्रो० पी० के० भट्टाचार्या  
निदेशक

P.K. Bhadram

प्रो० पी० के० भट्टाचार्या  
मार्च 31, 2016

# सांगठनिक संरचना

## महापरिषद्

अध्यक्ष

सचिव, पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय, भारत सरकार

अन्य सदस्य

- अध्यक्ष, इण्डियन ऑयल कॉर्पोरेशन लिमिटेड
- अध्यक्ष एवं प्रबन्ध निदेशक, भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड
- अध्यक्ष एवं प्रबन्ध निदेशक, हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड
- अध्यक्ष एवं प्रबन्ध निदेशक, ओएनजीसी लिमिटेड
- अध्यक्ष एवं प्रबन्ध निदेशक, गेल (इण्डिया) लिमिटेड
- अध्यक्ष एवं प्रबन्ध निदेशक, ऑयल इण्डिया लिमिटेड
- मुख्य अधिशासी अधिकारी, रिलायन्स इण्डस्ट्रीज लिमिटेड
- मुख्य अधिशासी अधिकारी, कैर्न एनर्जी इण्डिया लिमिटेड
- मुख्य अधिशासी अधिकारी, शेल इण्डिया लिमिटेड

- मुख्य अधिशासी अधिकारी, एस्सार ग्रुप
- डायरेक्ट्रेट जनरल ऑफ हाइड्रोकार्बन्स
- प्रधान सलाहकार (ऊर्जा), योजना आयोग
- प्रबंध निदेशक, ऑयल इण्डस्ट्रीज सेफ्टी डायरेक्ट्रेट
- निदेशक, भारतीय प्रौद्योगिकी संस्थान कानपुर
- कुलपति, रसायन प्रौद्योगिकी संस्थान, मुम्बई
- सचिव, ऑयल इण्डिया डेवलपमेन्ट बोर्ड
- सभापति, आरजीआईपीटी संचालक मंडल
- निदेशक, राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान

## संचालक मण्डल

प्रो० के० बी० अखिलेश

सभापति

प्रोफेसर, आई आई एस सी, बेंगलुरु

सदस्य

प्रो० पी० के० भट्टाचार्या  
निदेशक, आरजीआईपीटी

डॉ० ए०एच० कालरो

सदस्य, प्रोवोस्ट-अहमदाबाद विश्वविद्यालय

श्री डी०डी० मिश्रा

निदेशक (एचआर), ओ०एन०जी०सी० लिमिटेड

डॉ० दीपक कुन्जरु

प्रोफेसर, भारतीय प्रौद्योगिकी संस्थान कानपुर

श्री प्रभात सिंह

निदेशक (मार्केटिंग), गेल (इण्डिया) लिमिटेड

श्री एम०बी० लाल

पूर्व मुख्य प्रबंध निदेशक, एचपीसीएल

डॉ० पी०के० सरस्वती

प्रोफेसर, भारतीय प्रौद्योगिकी संस्थान मुम्बई

## शैक्षणिक सीनेट

प्रो० पी० के० भट्टाचार्या

अध्यक्ष

सदस्य

प्रो० एस०पी० मेहरोत्रा,  
भारतीय प्रौद्योगिकी संस्थान गांधीनगर

प्रो० के०एन० सिंह,  
भारतीय प्रबंधन संस्थान लखनऊ

प्रो० यू०एस० प्रसाद,  
अतिथि प्रोफेसर, आरजीआईपीटी

प्रो० एस०के० मिश्रा,  
अतिथि प्रोफेसर, आरजीआईपीटी

प्रो० सी०के० जैन,  
अतिथि प्रोफेसर, आरजीआईपीटी

श्री सी०वी० सिंह,  
टाटा मोटर्स (सेवानिवृत्त)

## वित्तीय समिति

प्रो० पी० के० भट्टाचार्या

अध्यक्ष

सदस्य

श्री आलोक चन्द्रा,  
पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय

डा० एस०एस०यादव विभागाध्यक्ष,  
प्रबंध अध्ययन, भारतीय प्रौद्योगिकी संस्थान दिल्ली

डॉ० ए०एच० कालरो,

सदस्य, प्रोवोस्ट, अहमदाबाद विश्वविद्यालय

श्री एम०बी० लाल,

पूर्व अध्यक्ष एवं प्रबंध निदेशक, एचपीसीएल



## राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान के बारे में

राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान की स्थापना भारत सरकार के तेल एवं प्राकृतिक गैस मंत्रालय द्वारा जायस, जिला- अमेठी, उत्तर प्रदेश में संसदीय अधिनियम (राजीव गांधी इन्स्टीट्यूट ऑफ पेट्रोलियम टेक्नोलॉजी अधिनियम 2007) के द्वारा की गयी थी। आर0जी0आई0पी0टी0, भारतीय प्रौद्योगिकी संस्थान (आई0आई0टी0) के समकक्ष 'राष्ट्रीय महत्व के संस्थान' के रूप में प्रतिष्ठित संस्थान है। संस्थान को स्वयं डिग्री प्रदान करने का अधिकार प्राप्त है। आर0जी0आई0पी0टी0 सार्वजनिक क्षेत्र की छः महत्वपूर्ण ऊर्जा कम्पनियों (ओ0एन0जी0सी0, आई0ओ0सी0एल0, ओ0आई0एल0, गेल, बी0पी0सी0एल0 एवं एच0पी0सी0एल0) एवं ऑयल इण्डस्ट्रिज विकास बोर्ड के परस्पर सहयोग से, विशेषतया ऊर्जा क्षेत्र के संस्थान के रूप में स्थापित किया गया है। संस्थान ऊर्जा तकनीक क्षेत्र के प्रसिद्ध अन्तरराष्ट्रीय विश्वविद्यालयों व संस्थानों के साथ संबंध स्थापित कर रहा है।

संस्थान का सबसे महत्वपूर्ण उद्देश्य- विश्वस्तरीय शिक्षा, प्रशिक्षण एवं शोध द्वारा पेट्रोलियम एवं ऊर्जा क्षेत्र की बढ़ती हुयी मांग को पूरा करने के लिए योग्य मानव संसाधन का निर्माण करना है। संस्थान की महत्वाकांक्षा भारत को पेट्रोलियम एवं ऊर्जा क्षेत्र में मानवशक्ति सृजन का वैश्विक धुरि बनाना है।

आर0जी0आई0पी0टी0 की महत्वाकांक्षी योजना, पूर्वस्नातक, परास्नातक, पोस्ट ग्रेजुएट डिप्लोमा एवं डॉक्टरेट कार्यक्रमों, पेट्रोलियम तकनीकी एवं प्रबन्धन की उपाधियां विभिन्न स्तरों पर प्रदान करना है। संस्थान ने सत्र 2008 से 2 स्नातक स्तरीय एवं 2 परास्नातक स्तरीय कार्यक्रमों से शैक्षणिक क्रियाकलाप प्रारम्भ किया था, जिसमें अन्य पाठ्यक्रम लगातार जुड़ते जा रहे हैं।

आर0जी0आई0पी0टी0 अधिनियम द्वारा संस्थान के निर्धारित किये गये प्रमुख उद्देश्य हैं-

- शिक्षा एवं शोध की गुणवत्ता एवं उत्कृष्टता का संवर्द्धन एवं प्रसार करना
- इंजीनियरिंग व प्रौद्योगिकी प्रबन्धन, विज्ञान एवं मानविकी क्षेत्र में स्नातक, परास्नातक, डॉक्टरेट स्तरीय शैक्षणिक एवं शोध कार्यक्रम प्रदान करना।
- डिग्री, डिप्लोमा, सर्टिफिकेट, शैक्षणिक विद्या सम्बन्धी उपाधियों या पदवी, मानद उपाधियों, अध्येतावृत्तियों, छात्रवृत्ति, पुरस्कार प्रदान करना
- तेल, गैस एवं पेट्रोकेमिकल उद्योगों के हितों के लिए शोध एवं विकास को प्रोत्साहित करना
- तेल, गैस एवं पेट्रोकेमिकल क्षेत्र के राष्ट्रीय, क्षेत्रीय एवं अन्तरराष्ट्रीय खिलाड़ियों के साथ नेटवर्किंग द्वारा परस्पर सहयोग से शैक्षणिक एवं शोध कार्य को बढ़ावा देना
- राष्ट्रीय एवं अन्तरराष्ट्रीय विचार गोष्ठी, संगोष्ठी एवं सम्मेलन आयोजित करना
- आर0जी0आई0पी0टी0 अधिनियम, के अनुसार भारत के राष्ट्रपति संस्थान के आगंतुक होंगे और संस्थान की शक्तियाँ निम्न प्राधिकरणों में निहित होंगी-
- साधारण सभा-अध्यक्ष, सचिव, पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय
- संचालक मण्डल
- वित्तीय समिति
- सीनेट एवं ऐसे अधिकृत संगठन जिन्हें संस्थान के व्यवस्थापन अथवा कानून द्वारा घोषित किया गया हों।

### संस्थान के उद्देश्य एवं लक्ष्य

- तेल एवं गैस क्षेत्र की ओर देश के युवाओं में अध्ययन की महत्वाकांक्षा विकसित करना
- विश्व स्तरीय ऐसे मानव पूँजी के निर्माण में, एक शीर्षस्थ संगठन के रूप में कार्य करना, जिसमें प्रौद्योगिकी एवं नवोन्मेषी पहल को देश-विदेश में नेतृत्व करने की क्षमता हो
- समस्त हाइड्रोकार्बन मूल्य श्रृंखला के लिए शिक्षा, शोध एवं परामर्श सेवाएँ प्रदान करना

## शैक्षणिक कार्यक्रम

आरजीआईपीटी का प्रमुख उद्देश्य सम्पूर्ण हाइड्रोकार्बन मूल्य श्रृंखला में आवश्यक योग्यता एवं क्षमता के निर्माण को प्रोत्साहित करना है। इस हेतु आरजीआईपीटी पेट्रोलियम एवं ऊर्जा के विभिन्न क्षेत्रों में शिक्षा एवं शोध हेतु कई पूर्वस्नातक एवं परास्नातक स्तरीय कार्यक्रमों का संचालन कर रहा है।

आरजीआईपीटी की अन्य महत्वाकांक्षी योजना है— सात बीटेक के नये कार्यक्रम, दो-पांच वर्षीय समाकलित विज्ञान परास्नातक/प्रबन्धन कार्यक्रम, दो विज्ञान परास्नातक कार्यक्रम, बारह दो वर्षीय परास्नातक (एमटेक/विज्ञान परास्नातक/प्रबन्ध परास्नातक) कार्यक्रम, बारह एक वर्षीय पीजी डिप्लोमा कार्यक्रम, विभिन्न क्षेत्रों में पीएचडी कार्यक्रम एवं अन्य सतत् शैक्षणिक कार्यक्रम कार्यरत पेशेवरों के लिए शुरू करना।

वर्तमान में, आरजीआईपीटी निम्न दो स्नातक, तीन परास्नातक स्तरीय व पीएचडी कार्यक्रम विभिन्न इंजीनियरिंग एवं आधारभूत विज्ञान विषयों में रायबरेली एवं नोएडा परिसर से संचालित कर रहा है। ये कार्यक्रम हैं—

### स्नातक स्तरीय कार्यक्रम

- 1 बीटेक इन पेट्रोलियम इंजीनियरिंग (4 वर्षीय पूर्णकालिक कार्यक्रम, सीट-40)
  - 2 बीटेक इन केमिकल इंजीनियरिंग (4 वर्षीय पूर्णकालिक कार्यक्रम, सीट-35)
- प्रवेश प्रक्रिया— IIT JEE Advanced Ranking के आधार पर
- शैक्षणिक योग्यता— अभ्यर्थी कम से कम 60 प्रतिशत अंकों (अनुसूचित जाति/जनजाति के संदर्भ में 55 प्रतिशत) के साथ 12वीं या समकक्ष परीक्षा विज्ञान विषय से उत्तीर्ण होना चाहिए।

### परास्नातक कार्यक्रम

- 1 एमटेक इन पेट्रोलियम इंजीनियरिंग (2 वर्षीय पूर्णकालिक कार्यक्रम, सीट-10)
- 2 एमटेक इन केमिकल इंजीनियरिंग (2 वर्षीय पूर्णकालिक कार्यक्रम, सीट-10)

प्रवेश प्रक्रिया— GATE स्कोर के बाद व्यक्तिगत साक्षात्कार के आधार पर

शैक्षणिक योग्यता— 4 वर्षीय बीटेक/बीई डिग्री पेट्रोलियम इंजीनियरिंग, पेट्रोकेमिकल इंजीनियरिंग, प्रोडक्शन इंजीनियरिंग, केमिकल इंजीनियरिंग, मेकैनिकल इंजीनियरिंग, इन्डस्ट्रियल इंजीनियरिंग या मैन्यूफैक्चरिंग इंजीनियरिंग में प्राप्त किया हो।

- 3 एमबीए इन पेट्रोलियम एवं ऊर्जा प्रबन्धन (2 वर्षीय पूर्णकालिक कार्यक्रम नोएडा से संचालित, सीट-50)

प्रवेश प्रक्रिया— CAT/GMAT स्कोर के पश्चात व्यक्तिगत साक्षात्कार के आधार पर

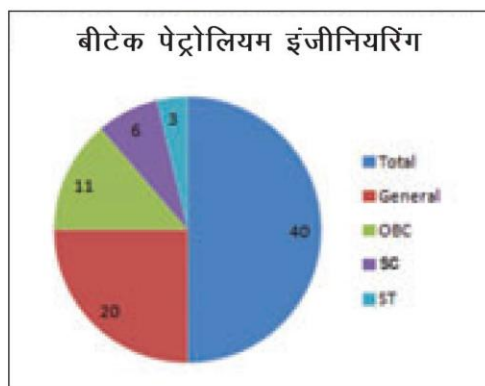
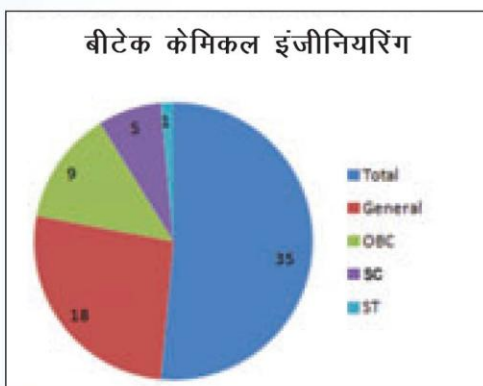
शैक्षणिक योग्यता— उम्मीदवार कम से कम 60 प्रतिशत अंकों के साथ (अनुसूचित जाति/जनजाति के संदर्भ में 55 प्रतिशत) 10वीं एवं 12वीं की परीक्षा गणित के साथ उत्तीर्ण हों। किसी भी विषय में 4 वर्षीय बीटेक/बीई परीक्षा कम से कम 65 प्रतिशत अंकों या 7.0/10.0 सीपीआई के साथ उत्तीर्ण हों।

पीएचडी कार्यक्रम— विभिन्न इंजीनियरिंग, मानविकी, प्रबंधन एवं आधारभूत विज्ञान विषयों में पीएचडी कार्यक्रम

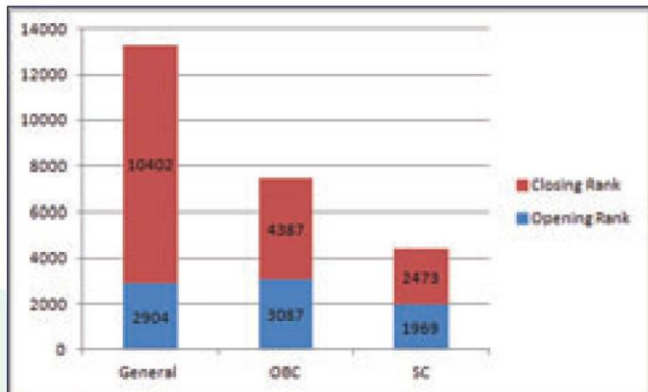
प्रवेश प्रक्रिया— GATE स्कोर/CSIR-NET/यूजीसी नेट स्कोर के पश्चात साक्षात्कार के द्वारा

### अकादमिक सत्र 2015-16 में नामांकन

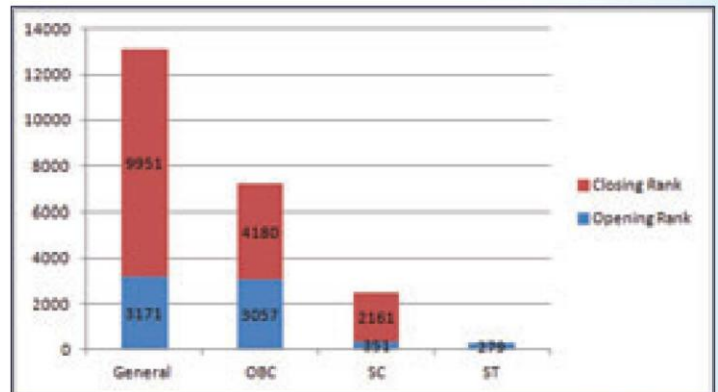
आरजीआईपीटी देशभर के मेधावी छात्र-छात्राओं को आकर्षित करने के उद्देश्य से बी.टेक., एम. टेक., एमबीए एवं पीएच.डी कार्यक्रमों के नामांकन में कठोर छंटनी प्रक्रियाओं का पालन करता है। संस्थान, बी. टेक. (पेट्रोलियम व केमिकल इंजीनियरिंग) में नामांकन के लिए संबंधित वर्ष का जेईई (एडवांस्ड) रैंकिंग का उपयोग करता है जो आईआईटी द्वारा आयोजित किये जाते हैं। वर्ष 2015 में, कुल 33 छात्र-छात्राओं ने केमिकल इंजीनियरिंग और 40 ने पेट्रोलियम इंजीनियरिंग में नामांकन लिया। नामांकन में भारत सरकार के नियमानुसार, अनुसूचित जाति, जनजाति व अन्य पिछड़े वर्ग के उम्मीदवारों को आरक्षण की सुविधा प्रदान की गई। बी.टेक. पाठ्यक्रम में वर्गवार उम्मीदवारों के प्रतिनिधित्व को नीचे रेखाचित्र में दिखाया गया है—



पिछले पाँच वर्ष के आँकड़े बताते हैं कि उम्मीदवारों ने रोजगार संभावना को ध्यान में रखते हुए नामांकन के लिए केमिकल इंजीनियरिंग की तुलना में पेट्रोलियम इंजीनियरिंग को अपनी पहली प्राथमिकता दी है। उम्मीदवारों के जेईई एडवांस्ड- 2015 की रैंकिंग व उनके पाठ्यक्रमों के पसंद को नीचे दिये गये तालिका में दर्शाया गया है—



बीटेक पेट्रोलियम इंजीनियरिंग



बीटेक केमिकल इंजीनियरिंग

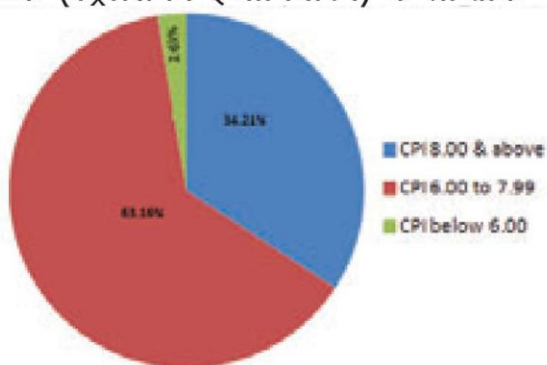
एम. टेक. पाठ्यक्रम में नामांकन— गेट स्कोर, लिखित परीक्षा के प्राप्तांक व साक्षात्कार में प्रदर्शन के आधार पर दिये जाते हैं। अकादमिक वर्ष 2015-16 में दो वर्षीय एम. टेक. पेट्रोलियम इंजीनियरिंग में 5 उम्मीदवार एवं पी.एचडी. में 9 उम्मीदवारों ने नामांकन कराया।

### 2015 बैच के छात्र उत्तीर्ण

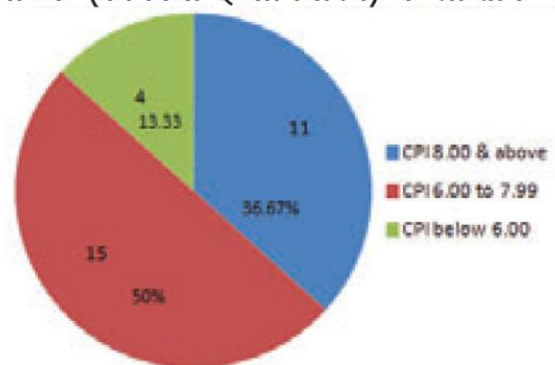
आरजीआईपीटी की स्थापना, वर्ष 2008 में युवाओं के ज्ञानार्जन की आकांक्षाओं को पूर्ण करने एवं उर्जा उद्योग के लिए प्रशिक्षित इंजीनियर व प्रबंधक तैयार करने के उद्देश्य से की गई थी। अपनी स्थापना से ही संस्थान अकादमिक उत्कृष्टता प्राप्त करने के लिए विश्व स्तरीय अध्ययन वातावरण तैयार करने के लिए प्रयासरत रहा है और यहाँ के प्राध्यापक, छात्र-छात्राओं में ऐसी तकनीकी व प्रबंधकीय कुशलता विकसित करने के लिए प्रयासरत हैं जो उन्हें

कॉर्पोरेट जगत में उत्कृष्ट प्रदर्शन करने में सक्षम बनाये। वर्ष 2015 बैच के बी. टेक. (पेट्रोलियम व केमिकल इंजीनियरिंग), एम. टेक. (पेट्रोलियम व केमिकल इंजीनियरिंग) एवं एमबीए (पेट्रोलियम व एनर्जी मैनेजमेंट) के छात्र-छात्राओं ने बड़े ही शानदार तरीके से स्नातक व स्नातकोत्तर की उपाधि प्राप्त की। 2015 में स्नातक हुए बी. टेक. के छात्र-छात्राओं के अकादमिक प्रदर्शनों को नीचे रेखाचित्र में दर्शाया गया है—

बीटेक (पेट्रोलियम इंजीनियरिंग) के प्राप्तांक



बीटेक (केमिकल इंजीनियरिंग) के प्राप्तांक



## छात्र-नियोजन की स्थिति (2015-16)

### बी. टेक. (केमिकल इंजीनियरिंग)

क्रम संख्या	कंपनियों के नाम	चयनित छात्रों की संख्या	चयनित छात्रों के वर्गवार विवरण			
			सामान्य	अपिव	अजा	अजजा
1	पेट्रोनेट एलएनजी	4	4			
2	बीपीसीएल	3	1	2		
3	हल्दिया पेट्रोकेमिकल्स लि.	3	3			
4	ऑयल इंडिया लि.	2	2			
5	आईओसीएल	4	1	1	1	1
6	अवन्ति लर्निंग सेन्टर	1	1			
कुल चयनित छात्र		17	12	3	1	1

### बी. टेक. (पेट्रोलियम इंजीनियरिंग)

क्रम संख्या	कंपनियों के नाम	चयनित छात्रों की संख्या	चयनित छात्रों के वर्गवार विवरण			
			सामान्य	अपिव	अजा	अजजा
1	शेल इंडिया लि.	5	4		1	
2	अदानी गैस लि.	4	2	1	1	
3	ऑयल इंडिया लि.	1		1		
4	विप्रो	2	2			
5	आईओसीएल	2	1	1		
कुल चयनित छात्र		14	9	3	2	

### एमबीए (पेट्रोलियम एंड एनर्जी मैनेजमेंट)

क्रम संख्या	कंपनियों के नाम	चयनित छात्रों की संख्या	चयनित छात्रों के वर्गवार विवरण			
			सामान्य	अपिव	अजा	अजजा
1	बीपीसीएल	1	1			
2	टेक महिन्द्रा	2	2			
3	एचपीसीएल	3	2		1	
4	अदानी गैस लि.	2	2			
5	आईओसीएल	4	2	1	1	
6	ग्लोबस स्प्रिट्स	1	1			
कुल चयनित छात्र		13	10	1	2	

### एम. टेक. (पेट्रोलियम इंजीनियरिंग)

क्रम संख्या	कंपनियों के नाम	चयनित छात्रों की संख्या	चयनित छात्रों के वर्गवार विवरण			
			सामान्य	अपिव	अजा	अजजा
1	ऑयल इंडिया लि.	1	1			
कुल चयनित छात्र		1	1			

## शिक्षण एवं शोध संरचना

आरजीआईपीटी वर्तमान में अपना शैक्षणिक क्रियाकलाप एफजीआईटी परिसर एवं आवासीय परिसर आई टी आई टाउनशिप से संचालित कर रहा है।

पेट्रोलियम रिजर्वारर इंजीनियरिंग प्रयोगशाला



पेट्रोलियम रिजर्वारर इंजीनियरिंग प्रयोगशाला की स्थापना पेट्रोलियम इंजीनियरिंग के छात्रों हेतु रिजर्वारर गुणों की बनावट खोजने के लिए की गयी है। छात्रों को प्रशिक्षण प्रदान करने के लिए निम्न उपकरण उपलब्ध कराये गये हैं—

- लिक्विड परमियामीटर
- गैस परमियामीटर
- सैचुरेशन टाइप प्रोसेपेरीटी मीटर
- कोर प्लग ड्रिल प्रेस
- कोर ग्राइन्डिंग एवं कटिंग मशीन

ड्रिलिंग फ्लूड एवं सीमेन्टेशन प्रयोगशाला

ड्रिलिंग फ्लूड एवं सीमेन्ट प्रयोगशाला की स्थापना पेट्रोलियम इंजीनियरिंग छात्रों के लिए ड्रिलिंग फ्लूड (कीचड़) के गुणों के परीक्षण के लिए किया गया है। इस फ्लूड का उपयोग कुँओं के प्रचालन में किया जाता है। यह प्रयोगशाला निम्न उपकरणों के सुसज्जित है—

- विविध गति वाले वीजी विस्कोमीटर
- फिटर प्रेस
- मड बैलेन्स
- पी एच मीटर
- सैन्ड कन्टेन्ट मेजरिंग ट्यूब
- मार्श फनल विस्कोमीटर

एक्सप्लोरेशन एवं प्रोस्पेक्टिंग प्रयोगशाला

आरजीआईपीटी ने अत्याधुनिक तकनीक से युक्त एक्सप्लोरेशन एवं प्रोस्पेक्टिंग प्रयोगशाला की स्थापना की है। प्रयोगशाला में ड्यूल मानिटर व्यवस्था एवं प्रोजेक्शन व्यवस्था के साथ 13 वर्कस्टेशन हैं। डेल टी7500 वर्कस्टेशन जियोन प्रोसेसर, 24 जीबी रैम, ग्राफिक्स कार्ड एवं 64 जीबी मेमोरी युक्त है। बड़े आकार के मेमोरी अच्छे 3डी सेस्मिक डेटासेट के विजुअलाइजेशन में सहयोग करता है। सभी वर्कस्टेशन दो मानिटरों (24 इंच प्रत्येक) के साथ एच डी तार से जुड़े हुये हैं। सेसमिक माइक्रो तकनीक किंगडम साफ्टवेयर के द्वारा संस्थान को अनुदान दिये गये हैं। इस सॉफ्टवेयर का उपयोग संपदा के गुण-निर्धारण हेतु सेस्मिक डेटा विश्लेषण के अध्यापन के लिए किया जाता है। साफ्टवेयर रिजर्वारर चित्रण के लिए सेस्मिक डेटा विश्लेषण का अध्यापन कराने में सहयोग प्रदान करता है।

जियो साइंस प्रयोगशाला

जियो साइंस प्रयोगशाला में एबलसोनाइट, एम्ब्यूराइट एलबाइट, बोराक्स, टाक, जिसपर, बायो टाइड जैसे पत्थर एवं खनिज उपलब्ध है एवं छात्र इन पत्थरों एवं खनिजों का प्रयोग इनके भौतिक गुणधर्म एवं दृश्य गुणधर्मों को पहचानने के लिये करते हैं। यह छात्रों को पथरीले स्तर पर उपलब्ध पेट्रोलियम उत्पादों को पहचानने की आधारभूत परिकल्पना का विकास करता है।

सर्वेयिंग प्रयोगशाला

सर्वेयिंग प्रयोगशाला परम्परागत एवं आधुनिक सर्वेयिंग उपकरणों यथा—टैप, आटो लेवल, टोटल स्टेशन, जी पी एस एवं डी जी पी एस जैसे उपकरणों से युक्त है। छात्र अत्याधुनिक तकनीक द्वारा पेट्रोलियम अभियांत्रिकी एप्लीकेशन के लिए सर्वेयिंग डेटा का प्रयोग करते हैं।

पेट्रोलियम उत्पाद परीक्षण प्रयोगशाला

इस प्रयोगशाला का विकास केमिकल इंजीनियरिंग के छात्रों के लिए किया गया है। यह एबल्स टेस्टिंग उपकरण, क्लाउड एवं पोर प्वाइन्ट, रेडवुड विस्कोमीटर, कॉपर स्ट्रीप कोरेजन टेस्ट यंत्र, जैसे परम्परागत एवं आधुनिक उपकरणों से युक्त प्रयोगशाला है। ये छात्रों को ऊर्जा क्षेत्र के पेट्रोलियम उत्पादों के आधारभूत परिकल्पना को विकसित करने में सहायता करता है।

भौतिक विज्ञान प्रयोगशाला

भौतिक विज्ञान प्रयोगशाला की स्थापना भौतिक शास्त्र के विभिन्न क्षेत्रों एवं विभिन्न मापों एवं कमियों के विश्लेषण के उद्देश्य से किया गया है। ये छात्रों को पेट्रोलियम, रिफाइनिंग इंजीनियरिंग एवं ऊर्जा

क्षेत्र में भौतिक विज्ञान की आधारभूत परिकल्पनाओं के प्रयोग को समझने में सहयोग प्रदान करती है।

### गैर परम्परागत ऊर्जा प्रयोगशाला

गैर परम्परागत ऊर्जा प्रयोगशाला की स्थापना युवा इंजीनियरों को ऊर्जा के वैकल्पिक स्रोतों के बारे में प्रशिक्षित एवं शिक्षित करने के



उद्देश्य से की गयी। इसका मुख्य उद्देश्य आर जी आई पी टी के लिए सर्वोत्कृष्ट सौर ऊर्जा व्यवस्था एवं सौर ऊर्जा आधारित गैर परम्परागत ऊर्जा के क्षेत्र में शैक्षणिक वातावरण का विकास करना है।

इसके अतिरिक्त, यह संस्थान का एक अनुसंधान एवं विकास केन्द्र भी होगा, जो कि सौर ताप ऊर्जा उपकरणों के विभिन्न पहलुओं पर केन्द्रित होंगे। यह प्रयोगशाला, डिफरेंशियल स्कैनिंग कैलोरीमीटर (डी एस सी), डाटा एक्ज्यूजेशन यूनिट जैसे अन्य सम्बन्धित उपकरणों से सुसज्जित है।

### केमिकल इंजीनियरिंग प्रयोगशाला

आरजीआईपीटी ने दो केमिकल इंजीनियरिंग यूनिट आपरेशन प्रयोगशाला की स्थापना के लिए आधुनिक उपकरण खरीदे हैं। यह दोनों प्रयोगशाला केमिकल इंजीनियरिंग के अधिकतर क्षेत्र यथा—प्रतिक्रिया इंजीनियरिंग, हीट ट्रांसफर, मास ट्रांसफर, फ्लूइड फ्लो, फ्लूइड पार्टिकल सिस्टम, थर्मोडायनेमिक्स एवं प्रोसेस डायनेमिक्स एवं कंट्रोल आदि को समाविष्ट करती हैं।

### पॉलिमर प्रयोगशाला

डा० उमाप्रसन्न ओझा एवं डा० देबाशीष पांडा ने अपनी स्वतन्त्र एवं सहयोगात्मक शोध को बढ़ाने के उद्देश्य से एक रसायन शोध प्रयोगशाला की स्थापना की है। डा० ओझा पालीमर इंजीनियरिंग में विशेषज्ञता प्राप्त एक कार्बनिक रसायनशास्त्री हैं, जो कि सिन्थेसिस एवं गैस संग्रहण, शुद्धिकरण एवं फोटो वोल्टेइक एप्लीकेशन के साथ नोबेल नैनो-स्ट्रक्चर पदार्थ के क्षेत्र में अनुसंधान कर रहे हैं। डा० पांडा, बायोफिजिक्स एवं नैनो मटेरियल्स के क्षेत्र में विशेषज्ञता प्राप्त एक प्रयोगात्मक भौतिक रसायनशास्त्री हैं। वे बायो फ्यूल में प्रोफाउन्ड

एप्लीकेशन के साथ बायो नैनो पदार्थों के क्षेत्र में अपना अनुसंधान करेंगे। यह प्रयोगशाला उत्कृष्ट शोध परिणाम देनेवाले सभी प्रकार के आधारभूत उपकरणों से लैस है।

### आई टी प्रयोगशाला

आई टी प्रयोगशाला की स्थापना पेट्रोलियम अपस्ट्रीम एवं डाउनस्ट्रीम क्षेत्र के लिए किया गया है। इन सॉफ्टवेयर में शामिल हैं— मैटलेब, मेपेल, आटोकैड सिविल थ्रीडी, एस्पेन प्लस, एनसिस, फ्लूयेन्ट सी एफ डी, यूटी केम, जीओ ईएस, सीएमजी सॉफ्टवेयर, किंगडम सूट, गौसिया एवं गौस व्यू, रीयल वर्क स्टुडियो, एडोब एक्रोबैट एक्स, इंजीनियरिंग इक्वेशन साल्वर, ईसीएस, ट्रिम्बल, कॉमसोल आदि।

### केन्द्रीय पुस्तकालय

केन्द्रीय पुस्तकालय की स्थापना आईटीआई टाउनशिप के अंदर छात्रावास के नजदीक, इसमें उपलब्ध अध्ययन सामग्रियों के अधिकतम उपयोग सुनिश्चित करने के उद्देश्य से की गई है। यहाँ पेट्रोलियम एवं केमिकल इंजीनियरिंग, ऊर्जा, औद्योगिकी सुरक्षा व उससे संबंधित किताबों, जर्नल, तकनीकी प्रतिवेदन, ऑनलाइन जर्नल, डेटाबेस, आदि का विशिष्ट संग्रह है। पुस्तकालय का मुद्रित संग्रह, छात्रों एवं प्राध्यापकों के त्वरित अध्ययन, अध्यापन एवं शोध जरूरतों को ध्यान में रखकर विकसित की गई है। यहाँ छात्र-छात्राओं व प्राध्यापकों के लिए 6000 से अधिक पुस्तकें एवं जर्नल उपलब्ध हैं।

छात्रों, प्राध्यापकों एवं कर्मचारियों को तत्समय पुस्तकालय में उपलब्ध किताबों की जानकारी उपलब्ध कराने के उद्देश्य से, विश्वविद्यालय अनुदान आयोग (इनफलीनेट) द्वारा विकसित एकीकृत पुस्तकालय प्रबंधन सॉफ्टवेयर के सोल वर्जन 2.0 का उपयोग कर केन्द्रीय पुस्तकालय का ऑटोमेशन किया गया है। इसे <http://14-139-251-149/webopac/> या [www.rgipt.ac.in](http://www.rgipt.ac.in) के सहारे उपयोग किया जा सकता है। केन्द्रीय पुस्तकालय में उपलब्ध पुस्तकों का वर्गीकरण निम्न प्रकार से किया गया है—

क्रम संख्या	पुस्तकालय के नाम	किताब/जर्नल/पत्रिकाएँ
1	केन्द्रीय पुस्तकालय, रायबरेली	पुस्तकें 5666 मुद्रित जर्नल 10 ऑनलाइन जर्नल 18 पत्रिकाएं 11
2	पुस्तकालय, नोएडा	पुस्तकें 1127 ऑनलाइन जर्नल 05 पत्रिकाएं 02
3	बाल पुस्तकालय, रायबरेली	पुस्तकें 315 पत्रिकाएं 1

## परियोजना गतिविधियाँ

आरजीआईपीटी ने अपने स्थायी कैम्पस का निर्माण जायस, जिला अमेटी, उत्तर प्रदेश में शुरू किया है जो रायबरेली से 28 किलोमीटर की दूरी पर स्थित है। आरजीआईपीटी के कब्जे में 45 एकड़ जमीन है जो रायबरेली-सुल्तानपुर राजमार्ग पर स्थित है और उसे इंडियन ऑयल टैंकिंग लिमिटेड से खरीदा गया है। प्रथम चरण के सिविल कार्य का ठेका जून 2010 में पर्यावरण अनापत्ति प्रमाणपत्र प्राप्त करने के बाद दिया गया। इंजीनियर्स इंडिया लिमिटेड को प्रोजेक्ट मैनेजमेंट कंसल्टेंट के रूप में शामिल किया गया। प्रथम चरण के निर्माण में, 13.5 लाख वर्ग फीट पर निम्नलिखित सुविधाएँ विकसित की जा रही हैं—

- छात्रावास
- प्राध्यापकों के केबिन, लेक्चर हॉल, प्रयोगशाला आदि सहित अकादमिक बिल्डिंग
- प्रशासनिक खंड
- आगतुक छात्रावास, स्वास्थ्य केन्द्र, वाणिज्यिक कॉम्प्लेक्स
- प्राध्यापकों, अधिकारियों व कर्मचारियों के लिए आवासीय खंड

सिविल कॉन्ट्रैक्टर द्वारा संसाधनों की आपूर्ति समय से नहीं करने के कारण सिविल निर्माण कार्य में देरी हो गई। 31 मार्च 2013 तक निविदा को बढ़ाने के बाद भी कार्य की प्रगति सिर्फ 42 प्रतिशत तक ही रही। कॉन्ट्रैक्टर द्वारा परिवर्तित योजना लक्ष्यों को प्राप्त करने में असफल रहने पर सिविल कार्य के निविदा को मई 2015 में रद्द कर दिया गया और इस संदर्भ में संबंधित पक्षों के दावे अंतिम निर्णय के लिए अभी पंच निर्णय के लिए लंबित है।

आरजीआईपीटी ने संशोधित सिविल कार्य, सुसज्जा, विद्युत, जल आपूर्ति, प्लम्बिंग, भराई आदि का एकीकृत कार्य का नया निविदा सितम्बर 2013 में दिया। यह परियोजना पूर्ण रूप से अक्टूबर/नवम्बर 2016 तक पूर्ण हो जाएगी।

### आर0जी0आई0पी0टी0 का असम केन्द्र

पेट्रोलियम क्षेत्र में अनुभवी मानव संसाधन को प्रोत्साहित करने के लिए, प्रस्तावित शैक्षणिक व्यवस्था को पूर्ण करने हेतु आर0जी0आई0पी0टी0 ने एक समकक्ष शैक्षणिक केन्द्र असम राज्य में स्थापित करने की योजना बनाई है। तत्कालीन माननीय प्रधानमंत्री डॉ० मनमोहन सिंह द्वारा असम केन्द्र के स्थापना की आधारशिला असम के शिवसागर में 19 फरवरी 2011 को रखी। आर0जी0आई0पी0टी0 असम केन्द्र से जो

शैक्षणिक कार्यक्रम प्रस्तावित हैं, उनमें कुशल तकनीकी प्रशिक्षण हेतु लोगों को प्रमाणपत्र, डिप्लोमा एवं एडवांस डिप्लोमा प्रदान करना है। उपरोक्त के साथ-साथ संयुक्त द्वय डिग्री (बी0एस0सी0, एम0एस0सी0) कार्यक्रम एवं सतत शैक्षणिक कार्यक्रम विशेषतया पेट्रोलियम क्षेत्र में प्रदान करना है जिससे कि तेल, गैस, एवं पेट्रोकेमिकल इण्डस्ट्री की आवश्यकताएँ पूर्ण की जा सकें।

डिप्लोमा कार्यक्रम में मेकैनिकल इंजीनियरिंग, इलेक्ट्रिकल इंजीनियरिंग, प्रयोगशाला तकनीक एवं इन्स्ट्रुमेंट तकनीक सम्मिलित हैं। एडवांस डिप्लोमा कार्यक्रम में ड्रिलिंग तकनीक, पाइपलाइन इंजीनियरिंग, एवं पेट्रोलियम संचालन सम्मिलित है। छात्र संख्या छठे वर्ष तक 630 के करीब पहुंचने की संभावना है। लगभग 45 संकाय सदस्य विभिन्न स्तरों पर अपना निर्देशन छात्र-छात्राओं को प्रदान करेंगे। आर0जी0आई0पी0टी0 का असम केन्द्र पूर्णतया आवासीय संस्थान होगा जो कि शत-प्रतिशत छात्र-छात्राओं एवं संकाय के सदस्यों को निवास प्रदान किया जायेगा।

कैम्पस का निर्माण कार्य शुरू करने के लिए निर्माण स्थल का सर्वेक्षण एवं भूतकनीक अन्वेषण कार्य पूर्ण हो चुका है। निर्माण स्थल के गहराई में स्थित होने के कारण उसकी भराई व प्रतिघातक कार्य जरूरी था, जिसे भी पूर्ण किया जा चुका है। परियोजना के समयावधि का मूल्यांकन किया जा रहा है।

### बंगलुरु केन्द्र

राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान बंगलुरु, कर्नाटक में “अग्नि सुरक्षा अभियंत्रिकी एवं प्रॉसेस सुरक्षा अनुसंधान केन्द्र” की स्थापना करेगा। इस केन्द्र में अग्नि सुरक्षा अभियंत्रिकी एवं प्रॉसेस सुरक्षा के लिए दिये जाने वाले शैक्षणिक एवं प्रशिक्षण कार्यक्रमों को प्रोत्साहित करने के लिए अत्याधुनिक सुविधाओं से युक्त विश्वस्तरीय संरचना होंगी। इसकी स्थापना टेक्सास ए एण्ड एम विश्वविद्यालय, अमेरिका के सहयोग से होगी एवं इस उद्देश्य से समझौता पत्र पर हस्ताक्षर कर लिया गया है। इस केन्द्र की आधारशिला तत्कालीन केन्द्रीय पेट्रोलियम एवं प्राकृतिक गैस मंत्री डॉ० वीरप्पा मोइली द्वारा 4 मार्च 2014 को रखा गया। कर्नाटक सरकार ने इस केन्द्र की स्थापना के लिए कंबलीपुरा गांव, होसकोट तालुक, बंगलुरु ग्रामीण जिला में 150 एकड़ भूमि आवंटित कर दिया है। यह आरजीआईपीटी का भारत में तृतीय परिसर होगा। इसके लिए आर्थिक व वित्तीय समिति (ईएफसी) नोट तैयार किया जा रहा है।



## वित्तीय विवरण व सहायता

आरजीआईपीटी के जायस परिसर के निर्माण हेतु स्वीकृत पूंजीगत व्यय 435.00 करोड़ रुपये है जिसमें अंशदान का विवरण नीचे दिया गया है—

- 285.00 करोड़ रुपये का बजटीय सहयोग भारत सरकार द्वारा प्रदान किया गया
- 150.00 करोड़ रुपये ऑयल इन्डस्ट्रीज डेवलपमेन्ट बोर्ड से सहयोग के रूप में प्राप्त
- असम केन्द्र के संदर्भ में स्वीकृत पूंजीगत धनराशि 143.00 करोड़ रुपये ओ0एन0जी0सी0, आई0ओ0सी0एल0, गेल, ओ.आई.एल., ई0आई0एल, एवं एन0आर0एल0 द्वारा अंशदान 65:35 के अनुपात में प्रदान किया गया है।

आर0जी0आई0पी0टी0 द्वारा वर्ष 2015-16 में किये गये वास्वविक पूंजीगत व्यय का विवरण नीचे दिया गया है—

पूंजीगत व्यय	रायबरेली	जायस		असम		कुल (लाख रुपये में)
		भूमि	अन्य	भूमि	अन्य	
31.03.2015 तक	1528.52	631.52	12900.49	60.98	1970.43	17091.95
2015-16	98.33	0.00	13860.54	0.00	708.46	14667.33
कुल	1626.85	631.52	26761.03	60.98	2678.89	31759.28

रायबरेली/जायस के आवर्ती खर्च प्रमुखतया सार्वजनिक क्षेत्र की तेल कम्पनियों यथा— ओ0एन0जी0सी0, आई0ओ0सी0एल0, गेल, ओ.आई.एल., ई0आई0एल, एवं एन0आर0एल0 से प्राप्त वृत्तिदान धनराशि 250.00 करोड़ रुपये के ब्याज से ही पूर्ण हो रही है। असम केन्द्र के संदर्भ में 182.00 करोड़ रुपये के स्वीकृत वृत्तिधन जो कि ओ0एन0जी0सी0, आई0ओ0सी0एल0, गेल, ओ.आई.एल., ई0आई0एल, एवं एन0आर0एल0 से प्राप्त है और उससे मिलनेवाले ब्याज का उपयोग केन्द्र के आवर्ती व्यय के लिए किया जाएगा।

## आरजीआईपीटी में हुए महत्वपूर्ण गतिविधियाँ

### प्रो. के. बी. अखिलेश आरजीआईपीटी संचालक मंडल के अध्यक्ष नियुक्त

प्रो. के. बी. अखिलेश, प्रोफेसर, इंडियन इंस्टीट्यूट ऑफ साइंस (आईआईएससी) बंगलोर को राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान (आरजीआईपीटी) रायबरेली के संचालक मंडल का अध्यक्ष नियुक्त किया गया है। उनकी यह नियुक्ति पेट्रोलियम व प्राकृतिक गैस मंत्रालय, भारत सरकार द्वारा 20 नवंबर 2015 को तीन वर्षों के लिए किया गया।



प्रो. अखिलेश, आईआईएससी बंगलोर में मानव संसाधन प्रबंधन, सांगठनिक व्यवहार, प्रौद्योगिकी प्रबंधन के वरिष्ठ प्राध्यापक हैं। इन्होंने राष्ट्रीय व अंतरराष्ट्रीय पत्रिकाओं में 140 से अधिक शोध पत्र और 12 पुस्तकें लिखी हैं। इनकी हालिया प्रकाशित पुस्तक है— शोध व विकास प्रबंधन। ये एसवीवाईएसए (योग विश्वविद्यालय) के मानद अध्यक्ष एवं डीफेंस इंस्टीट्यूट ऑफ एडवांस्ड टेक्नोलॉजी में एम.टेक. प्रोग्राम ऑफ टेक्नोलॉजी डेवलपमेंट के समन्वयक हैं। इन्होंने आईआईएससी बंगलोर से ही डॉक्टरेट की उपाधि स्वर्णपदक के साथ प्राप्त किया है। इन्होंने अबतक 30 पीएच.डी. अध्येताओं को सफलतापूर्वक निर्देशित किया है।

ये अकेडमी ऑफ मैनेजमेंट अमेरिका, नेशनल इंस्टीट्यूट ऑफ पर्सनल मैनेजमेंट (एनआईपीएम), नेशनल एचआरडी नेटवर्क एवं नेशनल बोर्ड ऑफ एक्जीक्यूशन के सदस्य भी हैं। इन्हें एनआईपीएम ने मानव संसाधन के क्षेत्र में योगदान के लिए सम्मानित भी किया है।

अध्यक्ष के रूप में प्रो. अखिलेश, संचालक मंडल के सभी बैठकों की अध्यक्षता करेंगे एवं संस्थान के नीति निर्माण की प्राथमिकता को बढ़ावा देने में सहायता करेंगे। इसके अलावे, प्रो. अखिलेश संचालक मंडल एवं वरीय आरजीआईपीटी प्रबंधन को अकादमिक प्रशासन जैसे मुद्दे पर जरूरी सलाह भी देंगे।

### प्रो. पी. के. भट्टाचार्या आरजीआईपीटी के निदेशक नियुक्त

प्रो. पी. के. भट्टाचार्या को राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान (आरजीआईपीटी) का नया निदेशक 16 जनवरी 2016 को प्रो. जे. पी. गुप्ता के स्थान पर नियुक्त किया गया। इससे पहले प्रो. भट्टाचार्या आईआईटी कानपुर के केमिकल इंजीनियरिंग विभाग में एमेरिटस फेलो थे। वे केमिकल इंजीनियरिंग विभाग के विभागाध्यक्ष व आईआईटी जेईई 2010 के अध्यक्ष रह चुके हैं। इन्होंने आईआईटी बम्बई से पीएच.डी किया है और इन्हें लगभग चार दशक से भी अधिक समय का शिक्षण, शोध व प्रशासनिक क्षेत्रों में विभिन्न स्तरों पर कार्य करने का अनुभव प्राप्त है।

प्रो. भट्टाचार्या को उनके अकादमिक क्षेत्र में योगदान के लिए हियोशी थिंक ऑफ इकोलॉजी अवार्ड (2009), हरडिलिया अवार्ड (1998) व केमिकल इंजीनियरिंग आर एंड डी अवार्ड (1996) से भी सम्मानित किया जा चुका है। इन्होंने प्रॉसेस फॉर द रिकवरी ऑफ इनऑर्गेनिक कम्पाउंड फ्रॉम क्राफ्ट लिफ्ट पर पेटेंट भी प्राप्त कर रखा है।

### तीन एसोसिएट डीन की नियुक्ति

संस्थान के अकादमिक प्रशासन को मजबूती प्रदान करने एवं दैनिक स्तर पर उठने वाली समस्याओं के प्रभावी ढंग से हल करने के उद्देश्य से फैकल्टी के परामर्श से तीन एसोसिएट डीन की नियुक्ति की गई है। नवनियुक्त डीन— अकादमिक मामले, सामान्य मामले एवं छात्र मामले का कार्यभार देखेंगे एवं निदेशक को संबंधित विषयों पर नीति—निर्माण व उसके कार्यान्वयन में परामर्श देंगे। ये नियुक्तियाँ अस्थायी तौर वरीयता के आधार पर की गई हैं। ये डीन हैं—

डॉ. उमाप्रसन्न ओझा	अकादमिक मामले
डॉ. आलोक कुमार सिंह	छात्र मामले
डॉ. सतीश कुमार सिन्हा	सामान्य मामले

### वार्षिक सांस्कृतिक कार्यक्रम कलतरंग-2016 का आयोजन

राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान (आरजीआईपीटी), रायबरेली के तीन दिवसीय वार्षिक सांस्कृतिक कार्यक्रम कलतरंग-2016 का आयोजन 19-21 फरवरी 2016 को किया गया। इसका शुभारंभ मुख्य अतिथि श्री प्रभात सिंह, प्रबंध निदेशक व मुख्य प्रशासनिक अधिकारी, पेट्रोनेट एलएनजी, सम्माननीय अतिथि श्री एच. के. सिंह, कार्यकारी निदेशक— इंस्टीट्यूट ऑफ झिलिंग टेक्नोलॉजी, ओएनजीसी लिमिटेड एवं प्रो. पी. के. भट्टाचार्या, निदेशक— आरजीआईपीटी ने दीप प्रज्वलित कर किया। छात्रों के सांस्कृतिक समिति ने इस तीन दिवसीय कार्यक्रम का आयोजन किया था। कार्यक्रम में उपस्थित प्रतिभागियों को संबोधित करते हुए मुख्य अतिथि श्री प्रभात सिंह ने कहा कि कैम्पस में आयोजित किये जानेवाले कलतरंग जैसे सांस्कृतिक कार्यक्रम, छात्र-छात्राओं को एक-दूसरे से अच्छी चीजें सीखने का अवसर उपलब्ध कराता है। साथ ही, यह बच्चों में टीम-भावना व नेतृत्व क्षमता भी विकसित करता है। सम्माननीय अतिथि के रूप में बोलते हुए श्री एच. के. सिंह ने तीन दिवसीय कार्यक्रम आयोजित करने के बच्चों के प्रयासों की सराहना की।

प्रो. पी. के. भट्टाचार्या, निदेशक—आरजीआईपीटी ने प्रतिभागियों को संबोधित करते हुए कहा कि हालांकि संस्थान विभिन्न सांस्कृतिक कार्यक्रम आयोजित करने के लिए बच्चों को सभी प्रकार की सहायता उपलब्ध करा रहा है, फिर भी, वित्तीय स्वायत्तता प्राप्त करने के लिए निधि उगाहने के कार्य पर जोर दिया जाएगा, जो छात्रों के प्रोफेशनल व्यक्तित्व विकास के लिए बहुत जरूरी है। उन्होंने आशा व्यक्त किया कि इस तरह के दृष्टिकोण सर्वांगीण विकास की वृद्धि को सुनिश्चित करेगा।

इस तीन दिवसीय कार्यक्रम में रायबरेली स्थित नाइपर, निफ्ट, एफजीआईटी, इगुआ के छात्र-छात्राओं के साथ एस.एच.ए. आई.टी.एस. इलाहाबाद, एम.एन.आई.टी. इलाहाबाद व आयोजक आरजीआईपीटी के प्रतिभागी विभिन्न प्रतियोगिताओं में भाग लिया। ये प्रतिभागी अंताक्षरी, बैंड वार, साइबर गेम, वाद—विवाद, भाषण, फैशन शो, फाइन आर्ट्स, समूह नृत्य, समूह चर्चा, समूह गीत, कविता पाठ, विवज, रैप वार, एकल नृत्य, स्टेज प्ले, स्ट्रीट प्ले व विभिन्न प्रतियोगिताओं में भागीदारी की।



## आरजीआईपीटी का प्रथम दीक्षान्त समारोह आयोजित

राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान (आरजीआईपीटी), रायबरेली ने अपने प्रथम दीक्षान्त समारोह का आयोजन नई दिल्ली स्थित डीआरडीओ सभागार में 19 अगस्त 2015 को किया। इस अवसर पर मुख्य अतिथि के रूप में श्री धर्मेन्द्र प्रधान, राज्यमंत्री (स्वतंत्र प्रभार), पेट्रोलियम व प्राकृतिक गैस मंत्रालय व सम्माननीय अतिथि के रूप में श्री कपिल देव त्रिपाठी, सचिव—पेट्रोलियम व प्राकृतिक गैस मंत्रालय उपस्थित थे। डॉ. जय प्रकाश गुप्ता, तत्कालीन निदेशक—आरजीआईपीटी ने कार्यक्रम की अध्यक्षता की एवं संस्थान का प्रतिवेदन प्रस्तुत किया। दीक्षान्त समारोह का शुभारंभ मुख्य अतिथि, सम्माननीय अतिथि व अन्य गणमान्य अतिथियों द्वारा दीप प्रज्वलित कर किया गया।

इस अवसर पर मुख्य अतिथि श्री धर्मेन्द्र प्रधान ने सर्वश्रेष्ठ छह छात्रों को स्वर्ण पदक से सम्मानित किया। जबकि श्री कपिल देव त्रिपाठी ने 16 छात्रों को रजत पदक से सम्मानित किया। इस अवसर पर मुख्य अतिथि श्री प्रधान व डॉ. जय प्रकाश गुप्ता, अध्यक्ष—विद्या परिषद् ने 260 स्नातकों व 185 परास्नातकों को उपाधि प्रदान किया।

दीक्षान्त समारोह में संस्थान का प्रतिवेदन प्रस्तुत करते हुए कहा डॉ. जय प्रकाश गुप्ता ने सबसे पहले सभी स्नातकों को शुभकामनाएँ दी। उन्होंने आगे कहा कि हम सभी को साथ मिलकर लोगों की इच्छा एवं अपेक्षाओं को पूरी करने के लिए हर संभव कोशिश करने की जरूरत है। मुझे विश्वास है कि उत्तीर्ण हो रहे स्नातक, नवीन मूल्यों के साथ कॉर्पोरेट जगत में प्रवेश करेंगे व दुनिया जिन चुनौतियों का सामना कर रहे हैं, उसका अपने कठिन परिश्रम के माध्यम से समाधान खोजने में सक्षम होंगे। उन्होंने यह भी कहा कि भारत सरकार के डिजिटल इंडिया अभियान में अपना योगदान देने के लिए आरजीआईपीटी आसपास के स्कूलों के बच्चों को संस्थान में साप्ताहिक में कंप्यूटर ट्रेनिंग शुरू की है। साथ ही, देश के उत्तर-पूर्व नीति से सामंजस्य बैठाते हुए आरजीआईपीटी का एक केन्द्र शिवसागर, असम में खोला जा रहा जो क्षेत्र के युवाओं को डिप्लोमा स्तर का कोर्स प्रदान कर उन्हें रोजगार के साधन मुहैया करायेगा।

छात्र-छात्राओं को संबोधित करते हुए श्री कपिल देव त्रिपाठी, सचिव—पेट्रोलियम व प्राकृतिक गैस मंत्रालय ने कहा कि ज्ञान इस धरती पर सबसे बहुमूल्य संपदा है। आरजीआईपीटी की स्थापना एक विषय विशिष्ट केन्द्र के रूप में की गई है और इस क्षेत्र में ये काफी अच्छा कार्य कर युवाओं के ज्ञान आधार को और समृद्ध करने में महत्ती भूमिका अदा कर रहे हैं। छात्रों को चाहिए कि वे हमेशा नवीन प्रौद्योगिकी के संपर्क में रहे ताकि वे संगठन के विकास में नियमित रूप से अपना योगदान देते रहे।

दीक्षांत अभिभाषण देते हुए मुख्य अतिथि श्री धर्मेन्द्र प्रधान ने कहा कि आरजीआईपीटी की स्थापना ऊर्जा क्षेत्र में युवाओं को प्रशिक्षण प्रदान करने के लिए किया गया था और इस दिशा में संस्थान काफी अच्छा कार्य कर रहा है। उन्होंने आगे कहा कि आरजीआईपीटी, ऊर्जा क्षेत्र में शोध व विकास की दिशा में एक प्रेरक शक्ति के रूप में कार्य करेगी। उन्होंने तेल कंपनियों के उपस्थित प्रमुखों व अधिकारियों से कहा कि उन्हें आरजीआईपीटी के छात्र-छात्राओं के प्रशिक्षण व भर्तियों की जिम्मेदारी लेनी चाहिए ताकि बच्चों को आगे बढ़ने का मौका मिल सके।

राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान (आरजीआईपीटी), रायबरेली की स्थापना 2008 में संसद के अधिनियम के अधीन राष्ट्रीय महत्व के एक संस्थान के रूप में पेट्रोलियम व प्राकृतिक गैस मंत्रालय, भारत सरकार द्वारा किया गया था। इस संस्थान को ऊर्जा विषयक संस्थान के रूप में सार्वजनिक क्षेत्र के छह तेल कंपनियों—ओएनजीसी, आईओसीएल, ओ.आई.एल., गेल, बी.पी.सी.एल., एच.पी.सी.एल. व ओ.आई.डी.बी. के सहयोग से किया गया है। वर्तमान में, आरजीआईपीटी स्नातक (बी.टेक. इन पेट्रोलियम व केमिकल इंजीनियरिंग), परास्नातक (एम.टेक. इन पेट्रोलियम व केमिकल इंजीनियरिंग एवं एमबीए इन पेट्रोलियम एंड एनर्जी मैनेजमेंट) एवं डॉक्टरेट स्तरों पर रायबरेली एवं नोएडा कैंपस से पाठ्यक्रम संचालित कर रहा है। आरजीआईपीटी का दूसरा कैंपस शिवसागर, असम में आ रहा है जो डिप्लोमा स्तरीय पाठ्यक्रम चलायेगा, जबकि बंगलुरु में संस्थान के तीसरे केन्द्र की स्थापना होगी जो फायर सेफ्टी इंजीनियरिंग व प्रॉसेस सेफ्टी से संबंधित पाठ्यक्रम चलायेगा।



आरजीआईपीटी के प्रथम दीक्षांत समारोह में मंच पर विराजमान अतिथि (बायें से दायें) श्री कपिल देव त्रिपाठी (सचिव, एम.ओ.पी.एन.जी.), मुख्य अतिथि श्री धर्मेन्द्र प्रधान (केन्द्रीय राज्यमंत्री, एम.ओ.पी.एन.जी.), एवं डॉ. जय प्रकाश गुप्ता (तत्कालीन निदेशक, आरजीआईपीटी)

## आरजीआईपीटी में रक्तदान शिविर आयोजित

राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान (आरजीआईपीटी), रायबरेली के सामाजिक क्लब अर्पण ने 5 मार्च 2016 को इंडियन रेड क्रॉस सोसाइटी व संजय गाँधी पोस्ट ग्रेजुएट इंस्टीट्यूट ऑफ मेडिकल साइंसेज (एसजीपीजीआई) लखनऊ के सहयोग से संस्थान में रक्तदान शिविर का आयोजन किया। सोसाइटी ऑफ पेट्रोलियम इंजीनियर्स (एसपीई) के आरजीआईपीटी छात्र चैप्टर ने इस कार्यक्रम को प्रायोजित किया था। रक्तदान शिविर का उद्घाटन जिलाधिकारी श्री सूर्यपाल गंगवार ने किया। इस अवसर पर, आरजीआईपीटी, निफ्ट, एफडीडीआई, एफजीआईईटी व नाइपर के लगभग 100 छात्र-छात्राओं के साथ संस्थान के प्राध्यापकों व अधिकारियों ने रक्तदान किया।

इस अवसर पर अर्पण के स्वयंसेवकों को संबोधित करते हुए श्री सूर्यपाल गंगवार ने कहा कि रक्तदान बहुत ही उच्च कोटि का सामाजिक सेवा है और छात्रों को चाहिए कि आगे आकर इस अभियान को सफल बनायें व लोगों को जीवनदान दें। इस अवसर पर एसजीपीजीआई के डॉ. राजेन्द्र चौधरी, भारतीय रेडक्रॉस सोसाइटी के जिला समन्वयक श्री गणेश कुमार, रेडक्रॉस के राज्य वित्त व प्रशासन प्रभारी श्री पंकज कुमार, अर्पण के फेकल्टी कॉर्डिनेटर डॉ. उमाकान्तधर द्विवेदी, डॉ. आलोक सिंह, एसोशिएट डीन-छात्र मामले व अर्पण के छात्र अध्यक्ष अपूर्व उपाध्याय भी मौजूद थे।

रक्तदान शिविर आयोजित करने के अलावे अर्पण नजदीकी सरकारी स्कूलों में जाकर वहाँ बच्चों को पढ़ाते भी हैं व मेधावी छात्रों को छात्रवृत्तियाँ देते हैं। इसके अलावे, उनमें सृजनशीलता बढ़ाने के लिए बहुत सारे कार्यक्रम भी आयोजित करते हैं।



## एप्लीकेशन ऑफ रीयोलॉजी इन पेट्रोकेमिकल इंडस्ट्री पर एक दिवसीय कार्यशाला



तत्कालीन निदेशक डॉ. जय प्रकाश गुप्ता उद्घाटन भाषण देते हुए।

आरजीआईपीटी में 7 अगस्त 2015 को एप्लीकेशन ऑफ रीयोलॉजी इन पेट्रोकेमिकल इंडस्ट्री पर एक दिवसीय कार्यशाला का आयोजन किया गया। इस कार्यशाला का आयोजन एंटन पार नामक कंपनी के सहयोग से किया गया जो विविध शोध कार्यों व उद्योग में उपयोग होनेवाले उच्च स्तरीय माप व विश्लेषण करनेवाले उपकरण बनाने के कार्य से जुड़ी है। रीयोलॉजी की पहचान एक बहुत ही संभावना वाले कार्यक्षेत्र के रूप में की गई है जिसे हाल के वर्षों में दैनिक रूप से तेल खनन क्षेत्र में कार्यरत कार्मिकों के समक्ष उत्पन्न होनेवाले समस्याओं के समाधान के लिए शुरू किया गया है। इस कार्यशाला के विषय-वस्तु को इस प्रकार से तैयार किया गया था कि वे समान रूप से अपस्ट्रीम व डाउनस्ट्रीम क्षेत्रों के प्रतिभागियों के लिए उपयोगी रहे।

इस एक दिवसीय कार्यशाला में बेसिक्स ऑफ रीयोलॉजी पर शुरुआती व्याख्यान के साथ पेट्रो-केमिकल रीयोलॉजी के मूलभूत सिद्धान्तों पर भी चर्चा की गई। यह व्याख्यान एंटन पार के धर्मे शर्मा द्वारा दिया

गया जिन्होंने पेट्रोकेम मटेरियल रीयोलॉजी एवं पॉलिमर रीयोलॉजी पर भी प्रतिभागियों को जानकारी दी। उनके व्याख्यान ने उपस्थित प्रतिभागियों को रीयोलॉजी व उद्योग जगत में उसके निहितार्थ को समझने में मदद की। कार्यशाला के अंत में एंटन पार ने रीयोमीटर, डेन्सिटी मीटर एवं रीफ्रेक्टोमीटर आदि के उपयोग को प्रदर्शित किया जो हाइड्रोकार्बन उद्योग में उपयोग किया जाता है। डॉ. तुषार शर्मा, सहायक प्राध्यापक- पेट्रोलियम इंजीनियरिंग ने इस कार्यक्रम को संचालित किया।



## छात्र विकास कार्यक्रम

### छात्रों के लिए कॉर्पोरेट रोजगारोन्मुखता मूल्यांकन परीक्षा (सी.ई.ए.टी.)

आरजीआईपीटी के प्लेसमेंट सेल ने वर्ष 2016 में स्नातक हो रहे छात्र-छात्राओं के लिए कॉर्पोरेट रोजगारोन्मुखता मूल्यांकन परीक्षा (सी.ई.ए.टी.) का आयोजन 30 जुलाई 2015 को किया। इस परीक्षा में बी.टेक. एवं एम.टेक. के कुल 79 प्रतिभागियों ने भाग लिया, जिसमें उनका प्रदर्शन काफी अच्छा रहा। यह मूल्यांकन प्रणाली

उद्योग जगत के मानकों के अनुरूप बच्चों के एप्टीट्यूड, तकनीकी कुशलता एवं कम्युनिकेशन स्किल की जाँच कर बताता है कि उन्हें किस दिशा में और अधिक मेहनत करने की जरूरत है। देश की अधिकतर बड़ी कंपनियाँ एवं एमएनसी इस प्रणाली का उपयोग कर उम्मीदवारों का चयन करती है।

### रेज्यूम बिल्डिंग पर व्याख्यान

बी.टेक. एवं एम.टेक. के छात्र-छात्राओं के लिए एक दिवसीय रेज्यूम बिल्डिंग क्लास का आयोजन 26 अगस्त 2015 को किया गया। डॉ. सौरभ मिश्रा, सहायक प्राध्यापक— अंगरेजी ने व्याख्यान दिया और उपस्थित प्रतिभागियों को रेज्यूम बनाने के विभिन्न प्रारूपों की जानकारी दी जिसका उपयोग कर वे अपना आवेदन किसी कंपनी के मानव संसाधन अधिकारी के समक्ष प्रस्तुत कर सकते हैं। उन्होंने आगे बताया कि रेज्यूम एक आईना होता है जो उम्मीदवारों

की अनुपस्थिति में उनके बारे में एक संक्षिप्त जानकारी प्रस्तुत करता है। इसलिए प्रतिभागियों को चाहिए कि अपना रेज्यूम इस प्रकार बनाये कि सभी जानकारी प्रभावी रूप से मानव संसाधन अधिकारी के समक्ष रखा जा सके। उम्मीदवारों को यह भी ध्यान रखने की जरूरत है कि उनका रेज्यूम दो पृष्ठों से अधिक लंबा न हो और हर पद के अनुरूप उसमें परिवर्तन लाकर आवेदन भेजे जाए ताकि आपके चयन होने की संभावना बढ़ सकें।

### अर्द्धवार्षिक परीक्षाओं में उत्कृष्ट प्रदर्शन करनेवाले छात्र पुरस्कृत

आरजीआईपीटी ने अकादमिक कार्यों में उत्कृष्ट प्रदर्शन करनेवाले छात्र-छात्राओं को स्वतंत्रता दिवस व गणतंत्र दिवस के अवसर पर सम्मानित करने की पहल शुरू की है। 15 अगस्त 2015 को संस्थान के तत्कालीन निदेशक डॉ. जय प्रकाश गुप्ता ने 25 छात्र-छात्राओं को पुस्तक देकर सम्मानित किया। इसमें से 15 पेट्रोलियम इंजीनियरिंग व 10 केमिकल इंजीनियरिंग के छात्र थे। इन पुरस्कृत छात्रों ने पिछले अर्द्धवार्षिक परीक्षाओं में एक या उससे अधिक विषयों में उत्कृष्ट प्रदर्शन किये थे।



तत्कालीन निदेशक डॉ. जय प्रकाश गुप्ता से पुरस्कार ग्रहण करती बी.टेक. केमिकल इंजीनियरिंग की सुश्री अपूर्वा गुप्ता

### अपरंपरागत ऊर्जा स्रोतों पर पोस्टर प्रतियोगिता

आरजीआईपीटी के एसपीई छात्र चैप्टर ने 29 अगस्त 2015 को एक तकनीकी पोस्टर प्रतियोगिता का आयोजन किया। इस प्रतियोगिता का विषय था— अपरंपरागत ऊर्जा स्रोत। इस कार्यक्रम ने पेट्रोलियम उद्योग का एक अवधारणा प्रस्तुत किया और प्रतिभागियों को यह अवसर दिया कि वे अपरंपरागत तेल व गैस उत्पादन का आदर्श प्रस्तुत कर अपना नवोन्मेषी सोच लोगों के सामने लाएं।

इस प्रतियोगिता में आयोजक संस्थान आरजीआईपीटी के अलावे यूपीईएस देहरादून, एमआईटी पूणे, आदि के छात्र-छात्राओं ने काफी उत्साह के साथ भाग लिया। इसमें कुल आठ टीमों का चयन प्रारंभिक स्तर पर उनके विषय-वस्तु व नवीन सोच के आधार पर किया गया

था। पोस्टर प्रतियोगिता संस्थान के दो वरिष्ठ प्राध्यापक डॉ. एस. के. मिश्रा एवं डॉ. सतीश कुमार सिन्हा के निर्देशन में संपन्न हुआ। दोनों जजों ने विजेता का निर्धारण पोस्टर के विषय-वस्तु, उनकी प्रस्तुति, गुणवत्ता व स्पष्टता एवं प्रदर्शन के दौरान पूछे गये प्रश्नों के जवाब के आधार पर किया।

आरजीआईपीटी टीम के दो सदस्य— शुभम गुप्ता व रवि सोनी की टीम द्वारा एनहैंसड शैल गैस रीकवरी यूजिंग सुपरक्रिटिकल CO<sub>2</sub> फ्लडिंग पर प्रस्तुत पोस्टर को सर्वश्रेष्ठ घोषित किया। जबकि यूपीईएस के शशांक कुमार व उदय जैन की टीम दूसरे स्थान पर रही।

### इंटरन चर्चा कोईनोनिया 2015

आरजीआईपीटी के एसपीई छात्र चैप्टर ने 9 अगस्त 2015 को पेट्रोटेक छात्र चैप्टर एवं एएपीजी छात्र चैप्टर के सहयोग से इंटरन चर्चा कोईनोनिया 2015 का आयोजन किया। यह कार्यक्रम इस उद्देश्य के साथ आयोजित किया गया ताकि बी. टेक. पेट्रोलियम व केमिकल इंजीनियरिंग के छात्र-छात्राओं को ग्रीष्मकालीन इंटरनशिप की प्रक्रियाओं से रूबरू कराया जा सके। अंतिम वर्ष

के सभी छात्र अपने अनुभव साझा करने के लिए इस कार्यक्रम में उपस्थित थे। उन्होंने द्वितीय व तृतीय वर्ष के छात्रों को बताया कि किस प्रकार इस प्रशिक्षण कार्यक्रम से अधिक से अधिक फायदा उठाया जा सकता है। अंतिम वर्ष के अधिकतर छात्रों ने इस वर्ष श्लमबर्जर, रीलायंस, ओएनजीसी, आईओसीएल, बीपीसीएल, आदि में ग्रीष्मकालीन प्रशिक्षण प्राप्त किये थे।

## डॉ. उमाप्रसन्न ओझा बने नैनो साइंस ग्रुप के अध्यक्ष

संस्थान ने डॉ. उमाप्रसन्न ओझा, एसोसिएट प्रोफेसर— रसायनशास्त्र की अध्यक्षता में नैनो साइंस ग्रुप की पुनर्संरचना की है ताकि इस क्षेत्र में शोध व विकास कार्य को गति दी जा सके एवं जरूरी आधारभूत संरचना का विकास किया जा सके। इसका गठन सबसे पहले 2012-13 में डॉ. अमित रंजन, सहायक प्राध्यापक— केमिकल इंजीनियरिंग की अध्यक्षता में संस्थान में नैनो साइंस के अध्ययन व विकास कार्य को बढ़ावा देने के लिए किया गया था। इस समूह के मुख्य कार्य क्षेत्र होंगे—

- बाह्य अभिकरणों से वित्तीय सहायता प्राप्त के लिए वैक्तिक व संयुक्त शोध प्रस्ताव तैयार करना

- संस्थागत मूल्यांकन के लिए वैक्तिक व संयुक्त आधार पर शोध परियोजना की पहचान करना
- नैनो मिशन, डीएसटी भारत सरकार के समक्ष संयुक्त प्रस्ताव जमा करना ताकि आरजीआईपीटी में सुविधाओं का विकास किया जा सके
- शोध अध्ययन के लिए प्रोजेक्ट एसोसिएट एवं जूनियर रीसर्च फेलो का चयन
- नैनो मटेरियल सिन्थेसिस एवं कैरेक्टेराइजेशन के लिए उपकरणों का चयन व उसकी खरीदारी के अवसर की तलाश करना
- वित्तीय सहायता के लिए सार्वजनिक क्षेत्र के उपक्रमों एवं निजी कंपनियों की पहचान करना

## व्याख्यान

### आरजीआईपीटी में नेतृत्व एवं भारत में तेल व गैस व्यवसाय की प्रकृति पर व्याख्यान



श्री सौरभ चंद्रा, पूर्व सचिव, एमओपीएनजी, आरजीआईपीटी में व्याख्यान देते हुए।

राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान (आरजीआईपीटी) में 4 सितंबर, 2015 को श्री सौरभ चंद्रा, भा.प्र.से. व पूर्व सचिव, पेट्रोलियम व प्राकृतिक गैस मंत्रालय, भारत सरकार ने नेतृत्व एवं भारत में तेल व गैस व्यवसाय की प्रकृति विषय पर एक व्याख्यान दिया। व्याख्यान का शुभारंभ प्रो. जय प्रकाश गुप्ता के स्वागत भाषण से हुआ। प्रो. गुप्ता ने उनका स्वागत करते हुए उनके भारतीय लोक प्रशासन व तेल व गैस उद्योग में योगदान को रेखांकित किया।

व्याख्यान देते हुए श्री सौरभ चंद्रा ने कहा कि आरजीआईपीटी के भावी युवा इंजीनियरों में तेल व गैस जगत को नेतृत्व करने की अपार

संभावनाएं हैं। उन्होंने कहा कि नेतृत्व का संबंध न तो कोई पद धारण करने से है, न ही चुनाव जीतने को लेकर है। बल्कि यह हमें दैनिक कार्यों में भूमिका प्रदान करता है। वास्तव में, नेतृत्व के लिए जरूरी है कि वह संगठन के लिए दूरदर्शी नीति बनाये, उसे कार्यरूप में परिवर्तन करें और दूरदर्शी नति के अनुरूप व्यवसाय के विकास को सुदृढ़ करने के लिए बाह्य कारकों का प्रबंधन करें।

उन्होंने आगे कहा कि क्योंकि भारत अपनी 75-80 प्रतिशत कच्चे तेल की जरूरत, आयात से पूर्ति करता है और देश के 50 प्रतिशत सेडीमेंट्री बेसिन से तेल का उत्पादन शुरू नहीं हो पाया है, अतः ओएनजीसी जैसे देश के शीर्षस्थ तेल कंपनी को तेल उत्खनन व उत्पादन व्यवसाय को नेतृत्व करनी चाहिए ताकि देश के तेल आयात में कम से कम 10 प्रतिशत की कमी लायी जा सके। नेल्फ के बारे में बात करते हुए श्री चंद्रा ने कहा कि इसके सामने सबसे बड़ी चुनौती विभिन्न विभागों से समय पर अनुमोदन प्राप्त करना है ताकि उत्खनन कार्य शुरू किया जा सके और दूसरी, विदेशों की बड़ी तेल कंपनियों को भारत में व्यवसाय करने के लिए प्रोत्साहित करना क्योंकि वे भारतीय बाजार को तटस्थ व पारदर्शी नहीं मानते हैं।

नेल्फ की अवधारणा भारत सरकार ने 1997-98 में तेल उत्खनन व उत्पादन के क्षेत्र में सार्वजनिक व निजी कंपनियों को समान अवसर उपलब्ध कराने के उद्देश्य से शुरू की थी ताकि देश में तेल उत्पादन बढ़ाया जा सके।

### बौद्ध धर्म पर डॉ. के.टी.एस. सराव का व्याख्यान



डॉ. के. टी. एस. सराव ने बौद्ध धर्म पर आरजीआईपीटी में व्याख्यान देते हुए।

डॉ. के. टी. एस. सराव ने बौद्ध धर्म पर आरजीआईपीटी में 8-9 अगस्त 2015 को व्याख्यान दिया। प्रो. सराव, दिल्ली विश्वविद्यालय के बौद्ध अध्ययन विभाग में एक वरिष्ठ प्राध्यापक हैं। यह व्याख्यान कार्यक्रम द्वितीय वर्ष के छात्र-छात्राओं के लिए एचएसएस मोड्यूलर कोर्स के भाग के रूप में आयोजित किया गया था। अपने व्याख्यान में प्रो. सराव ने— भारत में बौद्ध धर्म के अवसान, प्रमुख बौद्ध गुरु, अहिंसा पर बौद्ध नीति, शाकाहार एवं महिला व जाति प्रथा के प्रति बौद्ध नीति जैसे विषयों पर छात्रों के साथ चर्चा की।



## पुरातत्व पर डॉ. भुवन विक्रमा का व्याख्यान

डॉ. भुवन विक्रमा ने आरजीआईपीटी में 12-13 सितम्बर 2015 को पुरातत्व के विविध पक्षों पर व्याख्यान दिया। अपने व्याख्यान में डॉ. विक्रमा ने पुरातत्व की शाखाएँ, पुरातत्व विज्ञान का विकास, तिथि निर्धारण विधि व कालक्रम, प्रथम नगरीकरण, आदि विषयों पर चर्चा की। यह व्याख्यान कार्यक्रम द्वितीय वर्ष के छात्र-छात्राओं के लिए एचएसएस मोड्यूलर कोर्स के भाग के रूप में आयोजित किया गया था।

डॉ. विक्रमा, आगरा क्षेत्र के प्रधान पुरातत्वविद हैं और उन्हें पुरातात्विक उत्खनन जैसे— हुमायु का मकबरा, अयोध्या, धोलाविरा, अहिछत्र आदि में काफी महत्वपूर्ण अनुभव प्राप्त है। वे भारतीय पुरातात्विक सर्वेक्षण के अंतर्गत आगरा स्थित ताजमहल के जीर्णोद्धार के लिए चल रहे परियोजना से भी प्रमुख रूप से जुड़े हैं।



डॉ. भुवन विक्रमा आरजीआईपीटी में पुरातत्व पर व्याख्यान देते हुए।

## अकादमिक-उद्योगजगत सहयोग

### ओएनजीसी प्रतिनिधिमंडल का आरजीआईपीटी दौरा



श्री पी०के०दुबे (दायें से प्रथम) व डॉ० एस०एस०कश्यप (उपमहाप्रबंधक—ड्रिलिंग, दायें से द्वितीय) आरजीआईपीटी के प्राध्यापकों से बातचीत करते हुए।

ऑयल एंड नेचुरल गैस कॉर्पोरेशन लिमिटेड (ओएनजीसी) के इंस्टीट्यूट ऑफ ड्रिलिंग टेक्नोलॉजी (आईडीटी) देहरादून के दो सदस्यीय प्रतिनिधिमंडल श्री एस. एस. कश्यप (महाप्रबंधक—ड्रिलिंग फ्लूड) एवं श्री पी. के. दुबे (उपमहाप्रबंधक—ड्रिलिंग) ने 4 सितंबर 2015 को आरजीआईपीटी का दौरा किया। उनका यह दौरा, शोध व विकास कार्य के लिए आरजीआईपीटी के साथ मिलकर कार्य करने की संभावना तलाशने के उद्देश्य से किया गया था। उन्होंने संस्थान के प्राध्यापकों से बातचीत कर उनके कार्यक्षेत्र यथा— एचपीएचटी, ड्रिलिंग फ्लूड, ड्रिलिंग इन अल्ट्रा डीप वाटर (4000 मीटर के नीचे), नैनो लूब्रीकैन्ट्स का विकास आदि के बारे में जानकारी प्राप्त की। प्रतिनिधिमंडल ने संस्थान के छात्रों के साथ भी बातचीत की और उन्हें ड्रिलिंग प्रौद्योगिकी के बारे में बताते हुए उत्खनन के पूरी प्रक्रियाओं एवं आईडीटी के प्रमुख कार्यों की जानकारी दी। उन्होंने ड्रिलिंग फ्लूड, मटेरियल साइंस, नैनो साइंस लैब, जीओफिजिकल एक्सप्लोरेशन एवं केमेस्ट्री लैब भी देखा एवं इन प्रयोगशालाओं की स्थापना में आरजीआईपीटी के प्रयासों की सराहना की।

### तेल उद्योग के अधिकारियों के लिए लघु प्रशिक्षण कार्यक्रम

आरजीआईपीटी ने आईओसीएल डिगबोई रिफायनरी, असम में 21-23 सितम्बर 2015 को प्रॉसेस फॉर नन-प्रॉसेस इंजीनियर एवं पेट्रोलियम रिफाइनिंग टेक्नोलॉजी पर दो संक्षिप्त प्रशिक्षण कार्यक्रमों का आयोजन किया। प्रॉसेस फॉर नन-प्रॉसेस इंजीनियर प्रशिक्षण कार्यक्रम का आयोजन विशेष रूप से आईओसीएल डिगबोई रिफायनरी के गैर-प्रॉसेस कार्यकारी अधिकारियों के लिए 21 सितम्बर 2015 को किया गया। जबकि पेट्रोलियम रिफाइनिंग टेक्नोलॉजी पर प्रशिक्षण कार्यक्रम 22-23 सितम्बर 2015 को आईओसीएल डिगबोई, बोंगईगाँव एवं गुवाहाटी रिफायनरी एवं नुमालीगढ़ रिफायनरी लि. के रिफायनरी प्रॉसेस अधिकारियों के लिए किया गया। श्री एच. एस. दत्ता (वरिष्ठ महाप्रबंधक)—आईओसीएल डिगबोई, श्री डी. घोष (वरिष्ठ महाप्रबंधक)—नुमालीगढ़ रिफायनरी लि. एवं आरजीआईपीटी के सहायक प्राध्यापकों—डॉ. एम. एस. बालाथनीगईमणि, डॉ. राकेश कुमार एवं डॉ. मिलन कुमार ने प्रतिभागियों को प्रशिक्षण दिया।



आईओसीएल व नुमालीगढ़ रिफायनरी लि. से आये प्रतिभागी अपने प्रशिक्षकों के साथ

### प्राध्यापक विकास कार्यक्रम

- डॉ. एम. एस. बालाथनीगईमणि, सहायक प्राध्यापक—केमिकल इंजीनियरिंग ने डब्ल्यूआईकेए, ईपीसी एवं इनवेस्टमेंट कंपनी (इंडोनेशिया सरकार की कंपनी), कोरिया—इंडोनेशिया इंडस्ट्री एंड टेक्नोलॉजी कोऑपरेशन सेन्टर (केआईटीसी) के आमंत्रण पर 17-20 अगस्त 2015 को इंडोनेशिया का दौरा किया और वहाँ एडजार्ड नेचुरल गैस स्टोरज पर व्याख्यान दिया। उन्होंने

न्यू नैनो-पोरस मटेरियल फॉर नेचुरल गैस स्टोरेज एप्लिकेशन्स पर भारत-कोरिया के बीच चल रहे द्विपक्षीय शोध परियोजना के अंतर्गत 28 मई से 17 जून 2015 तक चोन्नम नेशनल यूनिवर्सिटी, कोरिया का भी दौरा किया।

- डॉ. अतुल शर्मा, सहायक प्राध्यापक—रीन्यूएबल एनर्जी एवं डॉ. अमृतांशु शुक्ला, सहायक प्राध्यापक—भौतिकी ने थर्मल रेगुलेशन ऑफ

फोटोवोल्टेइक पैनल यूजिंग पीसीएम पर इंटरनेशनल फोटोवोल्टेइक सोलर एनर्जी कॉन्फ्रेंस एशिया- 2015 में पेपर प्रस्तुत किया। इसका आयोजन सावित्रीबाई फुले पुणे विश्वविद्यालय के भौतिकी विभाग ने 30 जुलाई से 1 अगस्त 2015 को किया था।

- डॉ. अतुल शर्मा, सहायक प्राध्यापक- रीन्यूबल एनर्जी ने डॉक्टरल डिसर्टेशन समिति के सदस्य के रूप में शुंग नान वी, के पीएच.डी मौखिक डिफेंस में भाग लेने के लिए कुन शान विश्वविद्यालय, ताइवान के मेकैनिकल इंजीनियरिंग विभाग का दौरा 22-25 जून 2015 को किया।
- डॉ. अमृतांशु शुक्ला, सहायक प्राध्यापक- भौतिकी ने इंस्टीट्यूट ऑफ फिजिक्स, भुवनेश्वर में आयोजित न्यूक्लीयर फिजिक्स सम्मेलन में भाग लिया और वहां ऑवर्जर्विंग बब्बल न्यूक्लीआई- ए स्टडी इन आरएमएफ फॉर्मेशन पर एक व्याख्यान भी दिया। इस सम्मेलन का आयोजन 26-30 जून 2015 को किया गया था।
- डॉ. आलोक कुमार सिंह, एसोसिएट प्रोफेसर- भूगर्भशास्त्र ने 14 जुलाई 2015 को बीरबल साहनी इंस्टीट्यूट ऑफ पेलीओबोटनी, लखनऊ का दौरा भारत के कोयला व लिग्नाइट सैंपल का रेफ्लेक्टेंस माप के उद्देश्य से किया। डॉ. सिंह इसके अलावे, ऑयल इंडिया लिमिटेड,

दुलियाजन के शोध व विकास विभाग एवं सीएसआईआर-नॉर्थ ईस्ट इंस्टीट्यूट ऑफ साइंस एवं टेक्नोलॉजी, जोरहाट, असम का दौरा, 22-26 जून 2015 को विभिन्न कोयला एवं लिग्नाइट की जीवनकाल एवं स्रोत पत्थर की क्षमता निर्धारित करने के लिए रॉक-ईवाल पायरोलिसिस पर कार्य करने के उद्देश्य से किया।

- डॉ. सतीश कुमार सिन्हा, एसोसिएट प्रोफेसर- भूभौतिकी ने शोध सहमति का पता लगाने के उद्देश्य से भारतीय भूवैज्ञानिक सर्वेक्षण, लखनऊ का दौरा 18 जून 2015 को किया।
- डॉ. संजय कर, सहायक प्राध्यापक- प्रबंधन ने प्रॉग्रेस ऑफ रीन्यूबल एनर्जी इन इंडिया विषय पर एक आलेख जर्नल ऑफ एडवांसेज इन एनर्जी रीसर्च के जून-2015 संस्करण में प्रकाशित किया। इन्होंने इंडियन ऑयल कॉर्पोरेशन लि., नोएडा में 16 मई 2015 को क्रीएटिंग हैपि ऑर्गेनाइजेशन विषय पर आयोजित कार्यशाला में भी भाग लिया।
- प्रबंधन विभाग में सहायक प्राध्यापक, डॉ. सरोज मिश्रा व डॉ. रोहित बंसल ने सुस्थिर विकास के लिए जल संसाधन प्रबंधन विषय पर आयोजित सम्मेलन में भाग लिया। इसका आयोजन पेट्रोफेड ने 5 जून 2015 को नई दिल्ली में किया था।



# आईआईसीएचई के आरजीआईपीटी छात्र चैप्टर का उद्घाटन 16 अक्तूबर 2015



आईआईसीएचई के आरजीआईपीटी छात्र चैप्टर का उद्घाटन समारोह का आयोजन 16 अक्तूबर 2015 को किया गया। उद्घाटन कार्यक्रम का शुभारंभ डॉ. यू. ओझा— एसोसिएट प्राध्यापक— रसायनशास्त्र, प्रो. सी. के. जैन एवं डॉ. एम. एस. बालाथनीगईमणि ने दीप प्रज्वलित कर किया। इसके पश्चात आईआईसीएचई के फैकल्टी एडवाइजर डॉ. एम. एस. बालाथनीगईमणि ने प्रथम अकादमिक वर्ष के पदाधिकारियों का परिचय कराया व छात्रों के प्रयासों की सराहना की।



इसके पश्चात चैप्टर के अध्यक्ष एन. टी. श्रीनिवास ने स्वागत भाषण दिया और उपस्थित लोगों के समक्ष चैप्टर के प्रमुख उद्देश्यों एवं भविष्य की योजनाओं की जानकारी दी। उन्होंने छात्रों को चैप्टर द्वारा आयोजित किये जानेवाले सेमिनार, तकनीकी कार्यशाला, सॉफ्टवेयर कार्यशाला, समूह-चर्चा के तौर-तरीकों की जानकारी दी। जिसके माध्यम से सदस्य एक-दूसरे से जुड़ सकते हैं और केमिकल इंजीनियरिंग के क्षेत्र में आर रहे बदलाव से रुबरू हो सकेंगे। इस अवसर पर भारी संख्या में छात्र-छात्राएँ उपस्थित थीं।

## अतिथि व्याख्यान

श्री अजीत सिंह, प्रबंध निदेशक— बुश वैकम इंडिया प्राइवेट लिमिटेड

बुश वैकम इंडिया प्राइवेट लिमिटेड के प्रबंध निदेशक श्री अजीत सिंह ने एक व्याख्यान दिया और छात्रों को उद्योग जगत के जरूरतों के अनुरूप अपने को कैसे तैयार करें, बुश जैसे कंपनियों से कॉर्पोरेट संबंध कैसे स्थापित करें, केमिकल

इंजीनियरिंग के प्रमुख पाठ्यक्रम कौन-कौन से हैं, जैसे मुद्दों पर चर्चा कर उन्हें तैयार रहने के लिए प्रेरित किया। श्री सिंह ने इन मुद्दों पर छात्रों से प्रश्न भी पूछे।

बुश वैकम इंडिया प्राइवेट लिमिटेड के प्रबंध निदेशक श्री अजीत सिंह ने एक व्याख्यान दिया और छात्रों को उद्योग जगत के जरूरतों के अनुरूप अपने को कैसे तैयार करें, बुश जैसे कंपनियों से कॉपोरेट संबंध कैसे स्थापित करें, केमिकल इंजीनियरिंग के प्रमुख पाठ्यक्रम कौन-कौन से हैं, जैसे मुद्दों पर चर्चा कर उन्हें तैयार रहने के लिए प्रेरित किया। श्री सिंह ने इन मुद्दों पर छात्रों से प्रश्न भी पूछे।

इस व्याख्यान का आयोजन आईआईसीएचई के आरजीआईपीटी छात्र चैप्टर द्वारा 4 नवंबर 2015 को किया गया जिसका विषय था— रीसेंट एडवांसमेंट्स इन वैकम पंप्स टेक्नोलॉजी। यह चैप्टर द्वारा आयोजित पहला कार्यक्रम था जिसे इस उद्देश्य के साथ आयोजन किया गया था कि केमिकल इंजीनियरिंग के छात्र-छात्राएँ केमिकल उद्योग में उपयोग हो रहे नवीनतम पंप एवं कंप्रेसर पर जानकारी प्राप्त कर सकें।



## आरजीआईपीटी में दो दिवसीय टेकफेस्ट खनिज-2015 आयोजित



राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान (आरजीआईपीटी) के एसपीई छात्र चैप्टर ने दो दिवसीय टेकफेस्ट खनिज-2015 का आयोजन 7-8 नवंबर 2015 को किया। इसका शुभारंभ श्री डी. सी. तिवारी, पूर्व महाप्रबंधक (रिजर्वार), ओएनजीसी, प्रो. सी. के. जैन, प्रोफेसर— आरजीआईपीटी एवं डॉ. सतीश कुमार सिन्हा, एशोसिएट प्रोफेसर द्वारा दीप प्रज्वलित कर किया गया। इस अवसर पर प्रतिभागियों को संबोधित करते हुए श्री डी. सी. तिवारी ने कहा कि खनिज-2015 प्रतिभागियों को अपने रुचि के क्षेत्र में कार्य करने एवं एक्सप्लोरेशन एंड प्रोडक्शन के क्षेत्र में नवोन्मेषी विचार विकसित करने का अवसर प्रदान करेगा। इसके अलावे, इस तरह के कार्यक्रम बच्चों को टीम के रूप में कार्य करने का मौका भी उपलब्ध करायेगा।

मिनरोलॉजी, केमोकु, मुदाश, केमहंट, पेट्रोविजार्ड, कंटूर मॉडलिंग, ऑयल एंड गैस क्विज, ऑटोड्राफ्ट, बी-क्विज आदि प्रतियोगिताओं का भी आयोजन किया गया।



इस टेकफेस्ट में आरजीआईपीटी के अलावे यूपीईएस देहरादून, आरटीयू कोटा, यूटीएम शिलांग, डॉ. के. एन. मोदी इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी यूपी, चंडीगढ़ यूनिवर्सिटी पंजाब, एफजीआईईटी रायबरेली, एमएनआईटी इलाहाबाद के छात्रों ने भाग लिया। इसके अंतर्गत पेपर व पोस्टर प्रस्तुति, केमकोड, कोडमास्टर,

## पेपर व पोस्टर प्रस्तुति (खनिज)



पेपर व पोस्टर प्रस्तुति प्रतियोगिता में प्रतिभागियों का चयन उनके द्वारा जमा विषय सारांश के आधार पर किया गया। इसमें आयोजक आरजीआईपीटी के छात्रों के साथ यूपीईएस, डीआईटी, आईआईटी बीएचयू, आदि के प्रतिभागियों ने भाग लिया। यह कार्यक्रम युवाओं को एक ऐसा अवसर प्रदान किया कि वे अपने सामान्य सोच से परे

जाकर अनोखे प्रौद्योगिकी समाधान प्रस्तुत करें। प्रतिभागियों के प्रदर्शन का मूल्यांकन प्रस्तुत सूचना, ज्ञान एवं प्रस्तुति क्षमता के आधार पर किया गया।

पोस्टर प्रस्तुति, छात्र-छात्राओं के लिए एक बहुत ही चुनौतीपूर्ण अवसर है जो उन्हें अपना ज्ञान व शोध कार्य, सहयोगी छात्रों व उद्योगजगत के विशेषज्ञों के समक्ष प्रस्तुत करने का अवसर प्रदान करता है। इस प्रतियोगिता के लिए विजेता का चयन प्रयुक्त सूचनाएँ, सूचनाओं का संगठन, पोस्टर की गुणवत्ता व स्पष्टता, सूचनाओं की प्रस्तुति, प्रयुक्त जगह और जजों द्वारा पूछ गये प्रश्नों के जवाब के आधार पर किया गया।

### पेट्रोविजार्ड

तेल उद्योग लगातार आर्थिक चुनौतियों से जूझ रहा है जिन्हें इनसे निजात दिलानेवाले इंजीनियरों की जरूरत है। इसी को ध्यान में रखते हुए अंतर्जाली व नई चीजें सोचने के लिए पेट्रोविजार्ड नामक प्रतियोगिता का आयोजन खनिज-2015 में किया गया ताकि प्रतिभागियों के ड्रिलिंग से संबंधित उपकरणों एवं रिजर्वारर इंजीनियरिंग की जानकारी की जाँच की जा सके। यह एक टीम आधारित प्रतियोगिता थी और प्रत्येक टीम में दो सदस्य थे। यह प्रतियोगिता तीन चरणों में आयोजित की गई।



1. प्रथम चरण में, ड्रिलिंग प्रयोगशाला में प्रयुक्त होनेवाले उपकरणों की पहचान करनी थी,
2. दूसरे चरण में, संकलित लॉग से युक्त एक लॉग शीट दिया गया जिसके माध्यम से भूतल में उपलब्ध विभिन्न संरचना की पहचान करनी थी,
3. तृतीय चरण में, रिजर्वारर के मौलिक व व्यावहारिक प्रश्न पूछे गये।

विजेताओं का चयन, उन्हें सभी चरणों में प्राप्त अंकों के आधार पर किया गया। इस कार्यक्रम में विभिन्न संस्थानों से काफी संख्या में प्रतिभागियों ने भाग लिया।

## मिनरालॉजी

खनिज 2015 में मिनरालॉजी के नाम से एक ऐसी प्रतियोगिता का आयोजन किया गया जिसके माध्यम से प्रतिभागियों के किसी खनिज व पत्थरों के पहचानने की क्षमता की जाँच की जा सके। यह भी एक टीम प्रतियोगिता थी जिसमें कई लोग टीम बनाकर भाग ले सकते थे। इसमें प्रतिभागियों को खनिज एवं पत्थरों के भौतिक लक्षण के आधार पर उनकी पहचान बतानी थी। इस प्रतियोगिता में दिये पत्थरों को पहचानने की उत्सुकता एवं चुनौती ने प्रतिभागियों के दिमाग की बत्ती जला दी। इसमें दिये गये साधारण किस्म के 10 पत्थरों एवं 10 खनिजों की पहचान करनी थी, जबकि त्वरित संरचना एवं भौतिक लक्षण की पहचान दिये गये सैंपल, यथा—मोटाई, मोड़, समरूपता, मैट्रिक्स सीमेंट, आदि के आधार पर निर्धारित समय की भीतर करनी थी। जिस टीम ने दिये गये समय की भीतर अधिकतम पत्थरों एवं खनिजों को पहचानने में सफलता पाई, उन्हें विजेता घोषित किया गया।



## बी-क्विज

बी-क्विज एक व्यावसायिक व उद्यमशीलता आधारित क्विज प्रतियोगिता थी जिसका आयोजन प्रतिभागियों के उद्यमशील भावना, व्यावसायिक व आर्थिक ज्ञान, गणितीय एवं तार्किक कुशलता जाँचने के लिए की गई थी। यह प्रतियोगिता भी तीन चरणों में आयोजित की गई और अंतिम चरण में दिये गये समय के भीतर हल करने के लिए विशुद्ध रूप से व्यावसायिक प्रश्न दिये गये। इसमें प्रतिभागियों ने बड़े ही जोश के साथ भाग लिया जिसने प्रतिभागियों के उद्यमशील कुशलता को बढ़ाने में मदद की।



## केमहंट

केमहंट प्रतियोगिता का आयोजन प्रतिभागियों के रसायनशास्त्र व केमिकल इंजीनियरिंग से संबंधित ज्ञान, काल्पनिक रूप से दिये गये उत्तर के आधार पर प्रश्नों को हल करने के लिए तार्किक व विश्लेषणात्मक कुशलता की जाँच के लिए किया गया था। केमहंट मुख्य रूप से केमिकल इंजीनियरिंग के छात्रों के लिए आयोजित प्रतियोगिता थी जिसमें प्रतिभागियों को सभी प्रश्नों को रसायनशास्त्र व केमिकल इंजीनियरिंग की जानकारी के साथ हल करना था। यह भी एक टीम कार्यक्रम था और प्रत्येक टीम में पाँच लोगों ने भाग लिया। जिस टीम ने सबसे अधिक प्रश्नों को हल किया उसे विजेता घोषित किया गया।



## ऑयल बिजनेस

यह खनिज 2015 का सबसे अधिक आकर्षक व असाधारण प्रतियोगिता थी जिसमें प्रतिभागियों को अपनी व्यावसायिक आयोजना इस तरह से बनानी थी कि वे अपने व्यवसाय से अधिकतम मुनाफा कमा सकें। जैसा कि कहा भी गया है कि जब दूसरे अधिक लालची बने तो संभल जाना चाहिए व दूसरे सहमे दिखें, तो लालची बन जाना चाहिए। यह भी एक टीम प्रतियोगिता थी और सभी टीमों में 4-4 प्रतिभागी थे। यह कार्यक्रम काफी सफल रहा और इसने प्रतिभागियों को यह समझने में मदद की कि कैसे छोटे से व्यवसाय को विशाल मुनाफा कमानेवाले निगम में बदला जा सकता है।



## समूह चर्चा



आईआईसीएचई के आरजीआईपीटी छात्र चैप्टर ने 7 फरवरी 2016 को समूह चर्चा का आयोजन किया। इसका उद्देश्य प्रतिभागियों के प्रश्नों को हल करने एवं निर्णय-निर्माण क्षमता का मूल्यांकन करना था। किसी के व्यक्तित्व मूल्यांकन के लिए समूह चर्चा काफी महत्वपूर्ण माना जाता है। यह भी एक टीम कार्यक्रम था और प्रत्येक टीम में अधिकतम दो लोग भाग ले सकते थे। प्रथम चरण में, एक प्रारंभिक विविज प्रतियोगिता का आयोजन किया गया और उसके आधार पर 5 टीमों का चयन किया गया। उसके बाद, दूसरे चरण में चुने हुए टीमों के बीच समूह चर्चा का आयोजन किया गया। जिन महत्वपूर्ण शीर्षकों पर चर्चा की गई, वे थे— डाउनस्ट्रीम क्षेत्र पर खनिज तेल के गिरते

कीमतों का असर, मेक इन इंडिया नीति के अंतर्गत केमिकल उद्योग के लिए अवसर, एवं क्या भारत का डाउनस्ट्रीम क्षेत्र में शोध व विकास हेतु किये जानेवाले निवेश पर्याप्त हैं, आदि।

प्रो. सी. के. जैन, प्राध्यापक— पेट्रोलियम इंजीनियरिंग एवं डॉ. मिलन कुमार, सहायक प्राध्यापक— केमिकल इंजीनियरिंग ने समूह चर्चा की अध्यक्षता की। इस प्रतियोगिता के विजेता रहें—

- |                                  |         |
|----------------------------------|---------|
| • समक्ष चतुर्वेदी (द्वितीय वर्ष) | प्रथम   |
| • गिरिश जोशी (प्रथम वर्ष)        | द्वितीय |
| • तेजश देशकर (चतुर्थ वर्ष)       | तृतीय   |

## औद्योगिक भ्रमण



आईआईसीएचई का आरजीआईपीटी छात्र चैप्टर हमेशा से चैप्टर के मिशन को सफलतापूर्वक पूर्ण करने के लिए कोशिश करने को तत्पर रहा है। केमिकल व पेट्रोलियम इंजीनियरिंग के उच्चतम गुद् व तकनीकी क्षेत्र में त्वरित गति से नये प्रौद्योगिकी का विकास होता है और छात्र-छात्राओं के लिए यह जरूरी होता है कि वे अद्यतन बदलावों से अवगत रहें। इसलिए, तकनीकी संस्थानों व तेल व गैस उद्योग के बीच सूचनाओं का आदान-प्रदान बहुत ही जरूरी है।

आईआईसीएचई के आरजीआईपीटी छात्र चैप्टर ने इसी उद्देश्य को ध्यान में रखते हुए इंडियन इंस्टीट्यूट ऑफ पेट्रोलियम एवं इंडियन

ग्लोबल कंपनी, देहरादून के भ्रमण का आयोजन 3-5 अप्रैल 2016 को किया। इस भ्रमण के दौरान छात्रों ने हाइड्रोकार्बन व संबंधित क्षेत्र के डाउनस्ट्रीम सेक्टर के विकास एवं उनके अग्नि सुरक्षा प्रणाली के बारे में जानकारी प्राप्त की। इसने भ्रमणकारी छात्रों को तेल व गैस क्षेत्र के आंतरिक संरचना एवं कार्यप्रणाली के बारे में जानकारी प्रदान की। साथ ही, इसने केमिकल इंजीनियरिंग के छात्रों को तेल व गैस उद्योग में त्वरित गति से आ रहे बदलाव से अवगत रहने में भी मदद की।

## कॉमसोल मल्टीफिजिक्स 5.2 कार्यशाला



आईआईसीएचई के आरजीआईपीटी छात्र चैंप्टर के बैनर तले 26 फरवरी 2016 को कॉमसोल मल्टीफिजिक्स 5.2 पर एक कार्यशाला का आयोजन किया गया। कॉमसोल के श्री समर्थ अगरवाल, एप्लीकेशन इंजीनियर ने इस कार्यशाला में व्याख्यान दिया और प्रतिभागियों को उसके उपयोग से अवगत कराया। यह मॉडलिंग के लिए एडवांस्ड न्यूमेरिकल पद्धति एवं समानुरूप भौतिक प्रश्नों पर आधारित एक सामान्य उपयोग वाला सॉफ्टवेयर प्लेटफॉर्म है। इसके उपयोगकर्ता, उपलब्ध 30 ऐड ऑन उत्पाद के सहारे

लक्षित भौतिकी अंतराफलक व अन्य उपकरणों के साथ सिमुलेशन प्लेटफॉर्म का और अधिक विस्तार कर सकते हैं।

इस कार्यशाला में काफी संख्या में छात्र-छात्राओं व प्राध्यापकों ने भाग लिया। इसमें प्रतिभागियों को कॉमसोल बेसिक्स, एप्लीकेशन बिल्डर, मल्टीफिजिक्स एप्लीकेशन प्रॉब्लम आदि के बारे में बताया गया। प्रशिक्षक श्री समर्थ ने प्रतिभागियों के साथ कंप्यूटेशनल तकनीकों का उपयोग कर गूढ़ प्रश्नों को हल करने के अपने अनुभव भी लोगों के साथ साझा किये, जिनकी जरूरत उद्योग जगत में होती है।

# छात्रों की उपलब्धियाँ

## 2015-16



आरजीआईपीटी के आईआईसीएचई छात्र चैप्टर के अध्यक्ष कोमल चन्द्रा को मार्च- 2016 में राष्ट्रपति भवन में अपने नवोन्मेषी विचार, विषय-विशेषज्ञों के समक्ष प्रस्तुत करने के लिए आमंत्रित किया गया।



आरजीआईपीटी बी. टेक. चतुर्थ वर्ष के छात्र कोमल चन्द्रा ने एआईसीएचई आईआईटी गाँधीनगर छात्र चैप्टर द्वारा 23 जनवरी 2016 को आयोजित केम-ई-क्विज प्रतियोगिता में प्रथम स्थान प्राप्त किया।



बी. टेक. चतुर्थ वर्ष के रवि प्रकाश एवं राहुल शर्मा ने पीडीपीयू गाँधीनगर द्वारा नवंबर 2015 में आयोजित एसपीई फेस्ट में एक्सट्रैक्टिव डिस्टिलेशन ऑफ आइसोप्रोपाइल एल्कोहल एंड वाटर पर प्रस्तुत प्रोजेक्ट प्रतियोगिता में द्वितीय स्थान प्राप्त किया।



आरजीआईपीटी छात्रों के 8 सदस्यों ने जुलाई- 2016 में नई दिल्ली में आयोजित ग्लोबल रीफाइनिंग एंड पेट्रोकेमिकल काँग्रेस में भाग लिया। इस काँग्रेस में दुनियाभर के आठ देशों के 50 वक्ताओं ने पेट्रोकेमिकल एवं रीफाइनिंग उद्योग में प्रयोग हो रहे अद्यतन प्रौद्योगिकी सुधार व नवोन्मेषी प्रयासों के बारे में चर्चा की।



आरजीआईपीटी के बी. टेक. चतुर्थ वर्ष के छात्र तेजश देशकर ने 27-30 जुलाई 2015 को आयोजित प्रथम साउथ एशियन जीओसाइंसेज छात्र सम्मेलन में पेपर प्रस्तुति प्रतियोगिता में प्रथम स्थान प्राप्त किया, जबकि इसी संस्थान के तृतीय वर्ष के छात्र शुभम गुप्ता एवं यश सचान ने द्वितीय स्थान प्राप्त किया।



आरजीआईपीटी के तृतीय वर्ष के छात्र सुमित वर्मा ने नई दिल्ली में फरवरी 2016 में आयोजित छठे विश्व पेट्रोकोल काँग्रेस में भाग लिया।



रंजना बरुआ, बी. टेक. चतुर्थ वर्ष की छात्रा का चयन दिसंबर 2015 में आयोजित इंटरनेशनल पेट्रोलियम टेक्नोलॉजी कॉन्फ्रेंस में शामिल होने के लिए किया गया।

## पुरस्कार व सम्मान

### अर्द्धवार्षिक परीक्षाओं में उत्कृष्ट प्रदर्शन करनेवाले छात्र पुरस्कृत

आरजीआईपीटी शुरु से ही कैम्पस में अकादमिक उत्कृष्टता लाने के लिए समर्पित रहा है। उत्कृष्ट प्रदर्शन करनेवाले को प्रोत्साहित करने के उद्देश्य से संस्थान ने छात्रों को सम्मानित करने की पहल शुरु की है। वर्ष 2015 में निम्न छात्र-छात्राओं को सम्मानित किया गया—

### अप्रैल 2015 में आयोजित परीक्षा में एक विषय में उत्कृष्ट प्रदर्शन करनेवाले छात्र

क्रम संख्या	छात्रों के नाम	क्रमांक	वर्ष
1	दिलीप पाटीदार	ईपीई14-018	बी. टेक. प्रथम वर्ष (पे.ई.)
2	प्रिस कुमार	ईपीई14-029	बी. टेक. प्रथम वर्ष (पे.ई.)
3	अभिषेक प्रजापति	ईपीई14-040	बी. टेक. प्रथम वर्ष (पे.ई.)
4	ऋची बंसल	ईसीएचई14-010	बी. टेक. प्रथम वर्ष (के.ई.)
5	पुखराज प्रजापति	ईपीई13-0024	बी. टेक. द्वितीय वर्ष (पे.ई.)
6	शुभम गुप्ता	ईपीई13-0032	बी. टेक. द्वितीय वर्ष (पे.ई.)
7	टी. श्रीराम तेजा	ईपीई13-0037	बी. टेक. द्वितीय वर्ष (पे.ई.)
8	अभिषेक गुप्ता	ईसीएचई13-0001	बी. टेक. द्वितीय वर्ष (के.ई.)
9	सुमित वर्मा	ईसीएचई13-0035	बी. टेक. द्वितीय वर्ष (के.ई.)
10	आकांक्षा मिश्रा	ईपीई12-003	बी. टेक. तृतीय वर्ष (पे.ई.)
11	जी. वेंकट संजय	ईपीई12-0016	बी. टेक. तृतीय वर्ष (पे.ई.)
12	मुदित सचान	ईपीई12-0022	बी. टेक. तृतीय वर्ष (पे.ई.)
13	राहुल	ईपीई12-0029	बी. टेक. तृतीय वर्ष (पे.ई.)
14	अपूर्वा गुप्ता	ईसीएचई12-0005	बी. टेक. तृतीय वर्ष (के.ई.)
15	मो. फैयाजुद्दीन	ईसीएचई12-0017	बी. टेक. तृतीय वर्ष (के.ई.)
16	एन. तुषार श्रीनिवास	ईसीएचई12-0019	बी. टेक. तृतीय वर्ष (के.ई.)
17	आकाश आनंद	ईसीएचई12-0038	बी. टेक. तृतीय वर्ष (के.ई.)
18	रुपाली मित्तल	ईसीएचई12-0039	बी. टेक. तृतीय वर्ष (के.ई.)
19	अभय सिंह यादव	एमपीई14-006	एम.टेक. प्रथम वर्ष (पे.ई.)
20	बिजय कुमार पुरोहित	एमसीएचई14-001	एम.टेक. प्रथम वर्ष (सीएच.ई.)

### अप्रैल 2015 में आयोजित परीक्षा में एक से अधिक विषयों में उत्कृष्ट प्रदर्शन करनेवाले छात्र

क्रम संख्या	छात्रों के नाम	क्रमांक	वर्ष
1	दिलीप पाटीदार	ईपीई14-018	बी. टेक. प्रथम वर्ष (पे.ई.)
2	पुखराज प्रजापति	ईपीई13-0024	बी. टेक. द्वितीय वर्ष (पे.ई.)
3	शुभम गुप्ता	ईपीई13-0032	बी. टेक. द्वितीय वर्ष (पे.ई.)
4	सुमित वर्मा	ईसीएचई13-0035	बी. टेक. द्वितीय वर्ष (के.ई.)
5	अपूर्वा गुप्ता	ईसीएचई12-0005	बी. टेक. तृतीय वर्ष (के.ई.)
6	अभय सिंह यादव	एमपीई14-006	एम.टेक. प्रथम वर्ष (पे.ई.)
7	बिजय कुमार पुरोहित	एमसीएचई14-001	एम.टेक. प्रथम वर्ष (सीएच.ई.)

### अप्रैल 2015 में आयोजित परीक्षा में दो से अधिक विषयों में उत्कृष्ट प्रदर्शन करनेवाले छात्र

क्रम संख्या	छात्रों के नाम	क्रमांक	वर्ष
1	दिलीप पाटीदार	ईपीई14-018	बी. टेक. प्रथम वर्ष (पे.ई.)
2	सुमित वर्मा	ईसीएचई13-0035	बी. टेक. द्वितीय वर्ष (के.ई.)
3	अभय सिंह यादव	एमपीई14-006	एम.टेक. प्रथम वर्ष (पे.ई.)
4	बिजय कुमार पुरोहित	एमसीएचई14-001	एम.टेक. प्रथम वर्ष (सीएच.ई.)

### पुरस्कार व सम्मान

#### सर्वश्रेष्ठ शिक्षक पुरस्कार

- डॉ. सुषम विस्वास, सहायक प्राध्यापक— जीओइंफॉर्मेटिक्स को वर्ष 2014-15 (द्वितीय सेमेस्टर) के लिए सर्वश्रेष्ठ शिक्षक पुरस्कार से सम्मानित किया गया। जबकि डॉ. मनोज कुमार राजपूत, सहायक प्राध्यापक— गणित को वर्ष 2015-16 (प्रथम सेमेस्टर) के लिए सर्वश्रेष्ठ शिक्षक पुरस्कार से सम्मानित किया गया। इस पुरस्कार से उन्हें दूसरी बार सम्मानित किया गया है।
- मो. बेलाल हैदर (एम. टेक.— केमिकल इंजीनियरिंग 2013-15 बैच) जो अभी पीएच.डी डिग्री प्राप्त कर रहे हैं, ने वर्ष 2015 के लिए केमिकल इंजीनियरिंग का इंडियन सोसायटी फॉर टेक्निकल एजुकेशन द्वारा प्रायोजित सर्वश्रेष्ठ एम. टेक. थिसिस का पुरस्कार जीता। उन्हें प्रशस्ति पत्र व मेडल के साथ 10 हजार रुपये के साथ सम्मानित किया गया। उनके थिसिस का शीर्षक— एक्सपेरिमेंटल स्टडी ऑफ आयोनिक लिक्विड ब्लेंड्स फॉर CO<sub>2</sub> कैप्चर था, जिसे उन्होंने डॉ. राकेश कुमार, सहायक प्राध्यापक— केमिकल इंजीनियरिंग के अंतर्गत पूर्ण किया।



## संस्थागत सहयोग

- इलाहाबाद विश्वविद्यालय
- भारतीय प्रौद्योगिकी संस्थान कानपुर
- टेक्सास ए एंड एम विश्वविद्यालय, अमेरिका
- ह्यूस्टन विश्वविद्यालय, अमेरिका
- चोन्नम नेशनल यूनिवर्सिटी, दक्षिण कोरिया
- लुजियाना स्टेट यूनिवर्सिटी, अमेरिका
- हेरॉन वाट्स यूनिवर्सिटी एबरडीन
- भारतीय प्रौद्योगिकी संस्थान, बीएचयू वाराणसी
- राष्ट्रीय रासायनिक प्रयोगशाला पुणे
- राष्ट्रीय भूभौतिकीय अनुसंधान संस्थान हैदराबाद
- भौतिक अनुसंधान प्रयोगशाला अहमदाबाद
- मैसाचुसेट्स विश्वविद्यालय
- लुंड विश्वविद्यालय स्वीडेन
- सलेर्नो विश्वविद्यालय इटली
- नैपोली फेडरिको विश्वविद्यालय इटली



## संकाय सदस्य

### इंजीनियरिंग

प्रो० पी० के० भट्टाचार्या  
प्रोफेसर व निदेशक  
पीएचडी (आईआईटी बम्बई)

डॉ० अभय कुमार चौबे  
पीएचडी (बी०एच०यू०)  
रसायन शास्त्र

डॉ० अमृतांशु शुक्ला  
पीएचडी (आई०आई०टी० खड़गपुर)  
भौतिकी

डॉ० अतुल शर्मा  
पीएचडी (देवी अहिल्या विश्वविद्यालय)  
रेन्यूबल एनर्जी

डॉ० अमित रंजन  
पीएचडी (मिनीसोटा विश्वविद्यालय)  
केमिकल इंजीनियरिंग

डॉ० आलोक कुमार सिंह  
पीएचडी (बी०एच०यू०)  
भूगर्भशास्त्र

डा० चंचल कुण्डु,  
पीएचडी (आई०आई०टी०, खड़गपुर)  
गणित

प्रो० सी०के० जैन,  
एम०टेक० (इलाहाबाद विश्वविद्यालय)  
पेट्रोलियम इंजीनियरिंग

डा० देबाशीष पाण्डा  
पीएचडी (आई आई टी मुम्बई)  
रसायन शास्त्र

डॉ० एम०एस० बालाथनीगयमनी,  
पीएचडी (चोनम नेशनल यूनिवर्सिटी,  
साउथ कोरिया)

केमिकल इंजीनियरिंग

डा० मनोज कुमार राजपूत  
पीएचडी (आईआईटी कानपुर) गणित

डा० मिलन कुमार  
पीएचडी (टेनेसी यूनिवर्सिटी)  
केमिकल इंजीनियरिंग

डा० नीलकण्ठ निर्मालकर  
पीएचडी (आईआईटी मुम्बई)  
केमिकल इंजीनियरिंग

डॉ० राकेश कुमार  
पीएचडी (आई०आई०टी० कानपुर)  
केमिकल इंजीनियरिंग

डॉ० सौरभ मिश्रा  
पीएचडी (चौधरी चरण सिंह विश्वविद्यालय,  
मेरठ)

अंग्रेजी

डॉ० सतीश कुमार सिन्हा  
पीएचडी (यूनिवर्सिटी ऑफ ओकलाहोमा)  
भूभौतिकी

डा० सुषम विश्वास,  
पीएचडी (आई०आई०टी०, कानपुर)  
जीओइंफार्मेटिक्स

प्रो० एस०के० मिश्रा  
पीएचडी (साउथ गुजरात विश्वविद्यालय)  
पेट्रोलियम इंजीनियरिंग

डा० शिवान्जली शर्मा  
पीएचडी (आई एस एम धनबाद)  
पेट्रोलियम इंजीनियरिंग

डा० तुषार शर्मा  
पीएचडी (आईआईटी मद्रास)  
पेट्रोलियम इंजीनियरिंग

प्रो० यू०एस० प्रसाद,  
पीएचडी (आई०आई०टी० कानपुर)  
पेट्रोलियम इंजीनियरिंग

डॉ० यू० डी० द्विवेदी  
पीएचडी (आई०आई०टी० कानपुर)  
इलेक्ट्रिकल इंजीनियरिंग

डॉ० यू० ओझा  
पीएचडी (आई०आई०टी० बाम्बे)  
रसायन शास्त्र

डा० वेंकेटा सुब्बारायडू सिस्टला  
पीएचडी (ओटो वोन ग्यूरिक यूनिवर्सिटी,  
जर्मनी)  
केमिकल इंजीनियरिंग

### प्रबन्ध अध्ययन

डा० देबाशीष जेना  
पीएचडी (आई०आई०एम० लखनऊ)  
प्रबन्धन

प्रो० दीपक चावला  
पीएचडी (आई आई एम अहमदाबाद)  
एडवाइजर (शैक्षणिक)

डॉ० जया श्रीवास्तव,  
पीएचडी (बनस्थली विश्वविद्यालय)  
प्रबन्धन

डॉ० कविता श्रीवास्तव  
पीएचडी (आई०आई०टी० कानपुर)  
मार्केटिंग एवं उपभोक्ता व्यवहार

डॉ० रोहित बंसल,  
पीएचडी (आई आई टी रुड़की)  
लेखा एवं वित्तीय प्रबन्ध

डॉ० संजय कर  
पीएचडी (उत्कल विश्वविद्यालय)  
मार्केटिंग एवं अन्तर्राष्ट्रीय व्यापार

डा० सरोज कुमार मिश्रा,  
पीएचडी (आई०आई०टी०, कानपुर)  
प्रबन्ध अध्ययन



## Dr. A. K Singh

Associate Professor and Associate Dean- Students' Affairs

**Sponsored Research Project:**

- Working on research projects related with Indian lignite and Gondwana coals of India funded by the Govt. of India

### Recent Publications:

- Singh, A. K. 2015: Petrogenesis of Eocene Coals, Garo Hills, Meghalaya, India. *Arabian Journal of Geosciences*, Arabian Journal of Geosciences, Volume 8, Issue 12, pp 10705-10714.
- Singh, A. K., Singh M.P., and Singh, P.K., 2015: Microstructural studies and distribution of mineral matter in the macroscopic ingredients of the Eocene coals of platform basins, Meghalaya, India. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, Volume 37, pp.1089–1097.
- Singh, A.K., Singh M.P., and Singh, P.K., 2015: Utilization of Permian coal deposits of West Bokaro, India: A Petro-Chemical Evaluation. Accepted, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, Volume 37, pp.1081–1088.

### Detail Research Publications:

## International

- Singh, A.K. 2015: Petrographic and Geochemical Characterization of Coal from Talcher Coalfield, Mahanadi Basin, India. Geological Society of India. Accepted
- Singh, A.K. 2015: Petrogenesis of Eocene Coals, Garo Hills, Meghalaya, India. Arabian Journal of Geosciences, Arabian Journal of Geosciences, Volume 8, Issue 12, pp 10705-10714.
- Singh, A.K., Banerjee, P. K., Singh, P. K. and Das, A. 2015: Study of washability characteristics of coals from seam IX Jamadoba colliery of the Jharia Basin. Energy Exploration and Exploitation, Volume 33, Number 2, pp. 181–202
- Singh, A.K., Singh M.P., and Singh, P.K., 2015: Microstructural studies and distribution of mineral matter in the macroscopic ingredients of the Eocene coals of platform basins, Meghalaya, India. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Volume 37, pp.1089–1097.
- Singh, A.K., Singh M.P., and Singh, P.K., 2015: Utilization of Permian coal deposits of West Bokaro, India: A Petro-Chemical Evaluation. Accepted, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Volume 37, pp.1081–1088.,

**Industrial Visit:**

- Visited R&D Department of Oil India Limited, Duliajan and CSIR-North East Institute of Science & Technology, Jorhat,

Assam from June 22-26, 2015. Also, visited Birbal Sahani Institute of Paleobotany, Lucknow on July 14, 2015.

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## Dr. A. Shukla

Assistant Professor- Physics and Chairman RGIPT Alumni Association

### Research Publications:

## Nuclear Physics

- Systematic study of Bubble Nuclei in Relativistic Mean Field Theory by A Shukla, Sven Aberg and Awanish Bajpeyi in Physics of Atomic Nuclei 79, 1 (2016).
- Systematic study of Proton capture rates for Mo and Cd isotopes by Awaneesh Bajpai, A. Shukla, A. Kenning and, Sven Aberg in European Journal Of Physics A51, 12 (2015).
- Deformed bubble nuclei in light mass region by A Shukla and Sven Aberg in Phys. Rev. C89, 014329, (2014).

## Physics of renewable energy systems

- Thermal Energy storage based solar drying systems: A review by Karunesh Kant, A. Shukla and A. Sharma, Anil Kumar & Anand Jain in Innovative Food Science and Emerging Technologies, (in Press, 2016)
- Thermal Cycle Test of Binary Mixtures of Some Fatty Acids as Phase Change Materials For Building Applications by Atul Sharma and A. Shukla, in Energy and Buildings 99, 196 (2015).
- Latent Heat Storage through Phase Change Materials: An innovation that can change our lives by A. Mishra, A. Shukla and A. Sharma in Resonance: Journal of Science education, 20, 532, Issue 6 (2015)
- Development of phase change materials for bio medical applications by A. Shukla, Atul Sharma, M. Misra and C. R. Chen, in Journal of Medical Engineering and Technology 363, 39, Issue 6, (2015).

## Book Published

- **Energy Security & Sustainability: Present and Future** (Under publication process - to be published with CRC press/Taylor & Francis Publishing USA, ISBN 9781498754439).

### Research Projects Handled

- 3 DST sponsored projects completed (including an international project). 1 DST sponsored project ongoing.

### Dr. A. K. Choubey

Assistant Professor- Chemistry

#### Detail of research/ papers and publication

- A paper titled Methanol and Dimethyl Ether: Alternative to Existing Fuels was submitted for CHEMCON 2016.

#### Book publication

- One book chapter on The Hydrogen Initiative: Technological Advancements & Storage Challenges has been accepted for publication in a book on Energy Security & Sustainability of CRC Press, Boca Raton, USA

#### R & D project and development:

- Submitted a project on Novel Technique for Production of Methanol and Dimethyl ether as a Sustainable Fuel – An Alternative to LPG” to DST for funding
- Guiding 1 Ph. D. work in Petroleum Engineering area
- Guided 6 B. Tech final year students of Chemical Engg. Branch for their projects

#### Administrative responsibility

- As Cheque Signatory
- Chairman- Disciplinary Committee of the Institute



### Dr. Atul Sharma

Assistant Professor, Energy Management

#### Book Publications

- Atul Sharma and Sanjay Kumar Kar  
Energy Sustainability Through Green Energy, Springer (Pvt.) limited India, New Delhi. ISBN 978-81-322-2337-5 (2015).  
<http://www.springer.com/gp/book/9788132223368>

#### List Of Selected Publications

- Ruchika Gupta, Soumya Kedia, Neelam Saurakhiya, Atul Sharma, Amit Ranjan  
Fatty Acid Mixtures In Nanofibrous Polymeric Material, Solar Energy Materials & Solar Cells, Vol. 157, 676-685 (2016).
- Karunesh Kant, A. Shukla, Atul Sharma, Pascal H. Biwloe  
Thermal response of poly-crystalline silicon photovoltaic panels: Numerical simulation and experimental study, Solar Energy Vol. 134, 147-155 (2016).
- Sanjay Kumar Kar, Atul Sharma, Biswajit Roy  
Solar energy market developments in India, Renewable and Sustainable Energy Reviews Vol. 62, 121-133 (2016).
- Karunesh Kant, A. Shukla, Atul Sharma  
Performance evaluation of fatty acids as phase change material for thermal energy storage, Journal of Energy Storage, Vol. 6, 153-162, (2016).
- Karunesh Kant, A. Shukla, Atul Sharma, Anil Kumar, Anand Jain  
Thermal energy storage based solar drying systems: A review, Innovative Food Science and Emerging Technologies, Vol. 34, 86-99 (2016).

- A. Shukla, Atul Sharma, Manjari Shukla & C.R.Chen  
Development of thermal energy storage materials for biomedical, Journal of Medical Engineering & Technology, Vol. 39(6), 363-368 (2015).
- A. Mishra, A. Shukla, Atul Sharma  
Latent Heat Storage through Phase Change Materials, RESONANCE, Vol. 20(6), 532-541 (2015).
- Atul Sharma & A. Shukla  
Thermal cycle test of binary mixtures of some fatty acids as phase change materials for building applications, Energy and Buildings Vol. 99, 196-203 (2015).
- Sanjay Kumar Kar, Atul Sharma  
Wind power developments in India, Renewable and Sustainable Energy Reviews Vol. 48, 264-275 (2015).

#### Administrative responsibility

- Member of Culture Programme Committee
- Chairman of Physical verification committee of capital assets



### Dr. Chanchal Kundu

Assistant Professor, Mathematics

#### Details of R & D activities

Area of interest

- Reliability of a system/component
- Stochastic ordering and ageing
- Statistical information theory
- Order statistics and record values

**Currently working on the following projects funded by DAE & DST**

#### Project #1:

- Title: On the Study of Information Theoretic Measures for Doubly Truncated Random Variables (Ref. No. 2/48(4)/2015/ NBHM(R.P.)/R&D II/14130).
- Principal Investigator: Dr. Chanchal Kundu
- Co-Investigator: Nil
- Sponsoring Agency & Cost: NBHM, Dept. of Atomic Energy, Govt. of India; Rs. 13.29 lakhs
- Status & Duration: Ongoing (Nov. 2015- onwards); 3 Years
- Person Working: One JRF.

#### Project #2:

- Principal Investigator: Dr. Chanchal Kundu
- Co-Investigator: Nil
- Sponsoring Agency & Cost: SERB, Dept. of Science and Technology; Rs. 10.92 lakh.
- Status & Duration: Ongoing (Mar. 2014- onwards); 3 Years
- Person Working: One JRF.

#### List of Research Publications:

1. Kundu, A. and Kundu, C. (2016), Bivariate extension of (dynamic) cumulative past entropy. Communications in Statistics- Theory & Methods, DOI:10.1080/03610926.2015.1080838. Online First. (Taylor & Francis Group)



2. Kundu, C. (2016), On weighted measure of inaccuracy for doubly truncated random variables. Communications in Statistics-Theory & Methods, DOI 10.1080/03610926.2015.1056365. Online First. (Taylor & Francis Group)
3. Kundu, C., Di Crescenzo, A. and Longobardi, M. (2016), On cumulative residual (past) inaccuracy for truncated random variables. Metrika, Vol. 79, pp. 335-356. (Springer)
4. Kundu, C. and Sarkar, K. (2015), Characterizations based on higher order and partial moments of inactivity time. Statistical Papers, DOI 10.1007/s00362-015-0714-y. Online First. (Springer)
5. Kundu, C. and Nanda, A. K. (2015), Characterizations based on measure of inaccuracy for truncated random variables. Statistical Papers, Vol. 56, pp. 619-637. (Springer)

#### Ph. D. student Supervised:

- Mr. Amit Ghosh (PMATH13-001)
- Status: Ongoing

#### Details of R & D activities (Proposal for next two years)

##### Project to be Submitted:

- **Project Title:** On the Study of Kerridge's Inaccuracy Measure and related Concepts having Applications in Information Sciences and Coding Theory.
- **Duration:** 3 Years
- **Total Cost:** Rs. 25 lakhs

*Number of papers published from April 2015 to March 2016: Five*

#### Awards and honors/national / international conferences attended (full details) during April 2015 to March 2016

- Life member of International Indian Statistical Association (IISA)
- Member of Indian Science Congress Association, Calcutta

**Conference:** Presented a paper in the International Conference on Statistics and Related Areas for Equity, Sustainability and Development & XXXV Annual Convention of Indian Society for Probability and Statistics (ISPS) held at Dept. of Statistics, University of Lucknow, India during November 28-30, 2015.

#### Research & Development:

##### Papers Reviewed for:

- Statistics and Probability Letters by Elsevier.
- Statistical Methodology by Elsevier.
- Communications in Statistics- Theory & Methods by Taylor & Francis Group.
- Statistics by Taylor & Francis Group
- Statistical Papers by Springer.
- Mathematical Statistics and its Applications.

#### Research Collaboration with Institutes outside India:

- Dipartimento di Matematica, Università di Salerno, Via Giovanni Paolo II, n. 132, 84084 Fisciano, SA, Italy.
- Dipartimento di Matematica e Applicazioni, Università di Napoli Federico II, Via Cintia, 80126 Naples, Italy.

#### Details of Administrative Responsibilities:

1. Warden of Boys Hostel, RGIPT (Nov., 2009 – Feb., 2016)
2. Sports Activity of the Students (July, 2009 – Feb., 2016)
3. Chairman of Cultural Program Committee (Mar., 2016- till date)
4. Library Committee Member (Oct., 2012 – till date)



#### Dr. Debashis Panda

Assistant Professor- Chemistry

#### Details of R & D activities

- **Project:** Distribution of uranium and associated water quality parameters in 5 districts of Uttar Pradesh  
**Role:** Co-PI  
**Budget:** 26.97 lakh  
**Agency:** Department of Atomic Energy (BRNS)  
**Status:** Approved (ongoing)
- **Project:** Investigation of Slug Flow manifested Enhanced Mass Transfer and Reaction Kinetics in Microreactors  
**Role:** Co-PI  
**Budget:** 44.48 lakh  
**Agency:** Department of Science & Technology  
**Status:** Under consideration (EMR/2016/001683)

#### Details of R & D activities (Proposal for next two years)

##### Proposal-I:

Electrocatalytic Activity of Graphene supported Metal Nanoclusters and Application thereof

- Role:** Program Coordinator
- Budget:** 30.03 lakh
- Agency:** BRICS (Department of Science & Technology)
- Status:** Under consideration (Proposal No. 144) submitted in August, 2016

##### Proposal-II:

Synthesis & characterization novel Metal nanoclusters for catalytic reaction and bioimaging

##### Proposal-III:

Enhanced pre-treatment method for Biofuel Production

#### Number of papers published

##### Peer-reviewed journals:

- A. Singh, T. Rai, D. Panda, "Photoluminescence dynamics of copper nanoclusters synthesized by cellulose: role of the random-coil structure", RSC Advances, 2016, 6, 55539–55545

##### Conference:

1. T. Rai and D. Panda, "Quantifying the Role of Silver Nanoparticle in Modulation of the Energy Storage Properties of Nanocomposites", 4th International Conference on Advanced Nanomaterial and Nanotechnology (ICANN-2015), Indian Institute of Technology Guwahati (IITG), December, 2015.
2. A. Singh, D. Panda, "Interaction of Enzyme Synthesized Copper Nanocluster with Surfactants" 13th DAE-BRNS Biennial

Trombay Symposium on Radiation & Photochemistry (TSRP-2016), Bhabha Atomic Research Centre, Mumbai, January, 2016.

3. T. Rai and D. Panda, "Decoding The Energy Storage Dynamics Of Nanocomposites" National Conference on Science for Society: An Interdisciplinary Approach and 3rd Lucknow Science Congress (LUSCON- 2015), Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, November 2015.

#### **Awards and honours/national/international conferences attended (full details) during April 2015 to March 2016**

Attended 13th DAE-BRNS Biennial Trombay Symposium on Radiation & Photochemistry (TSRP-2016), Bhabha Atomic Research Centre and the Indian Society for Radiation and Photochemical Sciences (ISRAPS), India to January, 2016.

#### **Thesis supervised**

##### **Ongoing:**

Protein-directed synthesis of metal nanoparticles & nanoclusters: An understanding of their energy dynamics

#### **Membership of any scientific society /organization**

**Life-member:** Indian Society for Radiation and Photochemical Sciences, Mumbai

#### **Administrative responsibility**

1. Chairman, Tender Evaluation Committee
2. Chairman, Sports Committee
3. Coordinator, Mess-Committee
4. Co-Chairman, Tender Evaluation Committee
5. Member, Chemical Purchase Committee
6. Member, Stationary Items Purchase Committee



#### **Dr. Debashish Jena**

Assistant Professor, Management Studies

#### **Guest lecture delivered:**

Delivered invited lectures on Theory of Constraints and Waiting Line Management at IIM, Kashipur during Nov 6-7, 2015

#### **Participation in conference:**

Presented paper at XIXth Annual International Conference of the Society of Operations Management(SOM) IIM Calcutta during Dec 11-13, 2015

*Membership of any scientific society /organization: INFORMS USA*



#### **Dr. K. G Biswas**

Assistant Professor, Chemical Engineering

#### **Publications in International Journals**

1. Mass transfer characteristics of liquid-liquid flow in small diameter conduits, K. Guha Biswas, G. Das, S. Ray, J.K. Basu, Chemical Engineering science, 122 (2015) 562-661.
2. Effect of flow orientation on liquid-liquid slug flow in a capillary tube, K. Guha Biswas, R. Patra, G. Das, S. Ray,

J.K. Basu, Chemical Engineering Journal, 262 (2015) 436-446.

3. The use of bends for enhanced mass transfer during liquid-liquid flow through milli channels, K. Guha Biswas, G. Das, S. Ray, J.K. Basu, International Journal of Heat and Mass Transfer, 84 (2015) 876-892.
4. A simple flow device for enhanced mass transfer in reduced dimensions, K. Guha Biswas, S. Ray, G. Das, J.K. Basu, Chemical Engineering Journal, 279 (2015) 973-982.
5. The influence of bends on liquid-liquid flow through reduced dimensions, K. Guha Biswas, S. Majumdar, G. Das, S. Ray, Chemical Engineering Journal, 281 (2015) 995-1007.

#### **R & D project and development.**

##### **Projects Submitted/Proposed:**

**Project Title :** Investigation of Slug Flow manifested Enhanced Mass Transfer and Reaction Kinetics in Microreactors submitted to Department of Science & Technology (SERB under EMR scheme) as Principal Investigator (Current Status: Stage 1).

**Project Title:** Design and development of in-line static mixers for potential oilfield applications to be submitted to Ministry of Environment, Forest & Climate change, Government of India as Principal Investigator.

**Project Title:** Novel Technique for Production of Methanol and Dimethyl ether as a Sustainable Fuel – An alternative to LPG to be submitted to Department of Science & Technology (SERB under theme-based Call for Proposals initiated by the Program Advisory Committee of Organic Chemistry) as Co- Principal Investigator

##### **Research paper submitted in international journal: One**

One paper submitted to Current Sustainable/ Renewable Energy Reports titled " Role of Biodiesel in Indian Renewable Energy".

##### **Research papers submitted in international Conference: Four**

- Development of a novel static mixer for potential oilfield at Chemcon 2016
- Methanol and Dimethyl ether: Alternative to Existing Fuels at Chemcon 2016
- Preparation and Characterization Titania-Zirconia Nano composite catalyst and Application for Photo Degradation of Malachite Green at Chemcon 2016
- Photocatalytic Degradation of Malachite Green using Nano Titania Catalyst at Chemcon 2016

##### **Administrative responsibility**

- Member Scholarship Committee
- Member of Purchase Committee
- Member Techno Festival and S & T Committee



#### **Dr. Kavita Srivastava**

Assistant Professor, MS

#### **Detail of research/ papers and publication**

1. Srivastava, K., and Sharma, N. K. (2016) "Consumer Perception of Brand Personality: An Empirical Evidence from India" Global Business Review, 17 (2), 375-388



2. Srivastava, K., and Chawla, D. (accepted for 2016) "Demographic and Psychographic Antecedents of Ecologically Conscious Consumer Behavior: An Empirical Investigation" International Journal of Indian Culture and Business Management.

#### Participation in conference

- Participated in Green Revolution Global Certification Program conducted by International Center for Culture & Education; Supported by United Nations Framework Convention on Climate Change
- Participated in Hindi Workshop (with BPCL) conducted at RGIPT NOIDA
- Attended Case Research Workshop conducted at RGIPT NOIDA
- Attended 2nd ORF-PRIO Conference on "FUTURE SCENARIOS FOR AN URBANIZING INDIA: Governance, Security & Environmental Change" Observer Research Foundation (ORF), New Delhi, and the Peace Research Institute Oslo (PRIO), Norway.
- Attended Webinar of ISB-Ivey Global Case Competition 2016
- Presented a paper titled "Consumer Perception of Brand Personality Dimensions" in the conference on Brand Management organized by IIT Delhi on 16-17 April

#### Award/reorganization

Reviewer of *Paradigm* - the Journal of IMT Ghaziabad.

**Membership of any scientific society /organization: AIIMS International**



#### Dr. Manoj Kumar Rajput

Assistant Professor, Mathematics

#### Publications in peer reviewed international journals

M. Kumar and A. Venkatnathan; Quantum Chemistry Study of Proton Transport in Imidazole Chains, J. Phys. Chem. B, 2105, 119, 3213.

#### Administrative responsibility

- Member Mess Monitoring Committee
- Member RGIPT Alumni Association
- Member of Physical verification committee of capital assets
- IT Coordinator
- Convener Institute Medical Policies



#### Dr. M. S Balathanigaimani

Assistant Professor- Chemical Engineering

#### Research Papers

- Wang-Geun Shim, Chan Kim, Jae Wook Lee, M.S. Balathanigaimani, Hee Moon, Surface Structural and Energetic Heterogeneity of Carbon Materials Prepared from

Corn Grains using Steam and H<sub>3</sub>PO<sub>4</sub>-Steam Activations, Surface and Interface Analysis, 48 (2016) 82

- Ji Yoon Kim, M.S. Balathanigaimani, Hee Moon, Adsorptive removal of nitrate and phosphate using MCM-48, SBA-15, Chitosan and Volcanic Pumice, Water, Air, & Soil Pollution, 226 (2015) 431

#### Events Organized/Conducted

- Workshop on "Adsorbed Natural Gas Storage" at ONGC Energy Centre on December'17, 2015
- Short-term course on "Basics of Refining Operation" at IOCL Bongaigaon Refinery from December'08 to 09, 2015.
- Short-term course on "Advanced Petroleum Refining Technology" at IOCL Bongaigaon Refinery from December'10 to 11, 2015.
- Short-term course on "Process for Non-Process Engineers" at IOCL Bongaigaon Refinery on December'12, 2015.
- Short-term course on "Petroleum Refining Technology" September 21, 2015, for non-Chemical Managers of IOCL Digboi Refinery, Assam, India.
- Short-term course on "Advanced Petroleum Refining Technology" September 22-23, 2015, for Managers of various petroleum refineries, Assam, India.

#### Invited Talk

- Workshop on "Adsorbed Natural Gas Storage" August'18, 2015, PT. Barata Indonesia Office, Gresik, East Java, Indonesia.
- Adsorbents for Adsorbed Natural Gas Storage Workshop on "Adsorbed Natural Gas Storage" Workshop on "Adsorbed Natural Gas Storage" December'17, 2015, ONGC Energy Centre.

#### Reviewer of Ph.D. Thesis:

- CSIR-CSMCRI, Bhavnagar

#### Administrative Responsibilities

1. Chairman- Purchase committee
2. Faculty Advisor IICHE Student Chapter
3. HOD of Engineering and Sciences Group
4. Member of Certificate of Academic Excellence certificate Committee
5. Convener of financial power delegation committee



#### Dr. Rakesh Kumar

Assistant Professor, Chemical Engineering

#### Scholastic achievements awards and honors

- Ravi Prakash, Rahul Sharma, Rakesh Kumar "Extractive distillation of isopropyl alcohol & water: a comparative simulation study" Second prize in "Final B.Tech project competition" held at PDPU SPE Fest 2015.
- M.D Belal Haider, Rakesh Kumar "Experimental Study of Ionic Liquid Blends for CO<sub>2</sub> Capture" ISTE-IPCL Best

- M.Tech. Thesis Award in Chemical Engineering– 2015, 45th Annual Convention of ISTE on 10th January, 2016.

#### Lectures delivered at DIGBOI and BONGAIGAON refineries

- Chemical Process Modeling and Simulation
- CO2 Capture Techniques
- Advances in Biodiesel Production

#### Research Interest

Biodiesel Production

#### Selected Publications/Conferences

- Rakesh Kumar, Anil Kumar, Ashok Khanna, “Efficient Homogeneous and Supported Ionic Liquid Catalysts for Production of Linear Alkyl benzenes” Catalysis in Industry, 2015, 7(3), 188–197.

#### Administrative responsibility

- Chairman, Scholarship Committee
- Member of Techno Festival and S & T Committee
- Convener of Department of Engineering and sciences



#### Dr. Rohit Bansal

Assistant Professor, Management Studies

#### Publications/articles/cases

1. Rohit Bansal (2015), “A comparative study of financial performance: analysis of selected Indian it companies during 2010-2014, The IUP Journal of Accounting Research & Audit Practices. Vol. XIV, No.4, 43-60.
2. Rohit Bansal, Sanjay Kar, & Saroj Mishra (2015), “Comparative Financial Performance Analysis Of Indian Oil Companies During 2010-2014”, Oil, Gas & Energy Law Intelligence, April 2016, pg. 01-29.
3. Rohit Bansal (2015), “Financial analysis of selected Indian gas distribution companies during 2009- 2013”. Elixir Fin. Mgmt. 78 (2015) 29597-29605.
4. Sanjay Kar, Saroj Mishra & Rohit Bansal (2015), “Drivers of Green Economy: An Indian Perspective” Environmental Sustainability, Springer India 2015.

#### Industry-academia interactions

- Attended 2nd Biannual Oil and Gas International Conference on City Gas Distribution- Opportunities & Challenges, Hotel Le Meridien, New Delhi on August 28th 2015.
- Attended Seminar on “Water Resources Management for Sustainable Development”, organized by Petrofed, 5th June 2015, New Delhi.
- Senior Management Meet on Implications of the Union Budget 2015 on the Oil & Gas Sector on March 2, 2015 at the Shriram Hall, PHD House, 4/2, Siri Institutional Area, August Kranti Marg, New Delhi Attended Seminar on “Implications of the Union Budget 2015 on the Oil & Gas Sector”, organized by Petrofed, 2nd March 2015, New Delhi,

#### Industrial visit

- Industrial Visit to IOCL Panipat Refinery, 23rd July 2015 (study tour of MBA 2014-16)
- Visit to Department of Science and Technology, New Delhi, with Dr. Ajay Kumar, October 29, 2015.

#### Reviewer and expert (2015-2016)

- Developing course on ‘Financial Derivatives’ for Harvard Business Publishing House, Brighton, Massachusetts, United States.
- Developed question bank on “Security Analysis and Portfolio Management” for Harvard Business Publishing House, Brighton, Massachusetts, United States.
- ‘Finance expert’ in Reviewer panel of Harvard Business Publishing House, Brighton, Massachusetts, United States.
- Journal of Economics and International Finance
- Journal of Financial Reporting and Accounting
- Journal of Financial Risk Management
- Journal of Business Economics and Management

#### Administrative work

1. Member of MBA and PhD Admission Committee.
2. Member of Placement Committee.
3. Hostel Warden since June 2014 to May-2016.
4. Project Controller of Design and develop a website for RGIPT DOMS from July-2014.
5. Member of Anti ragging committee since Jun-2014.
6. In-charge of social media i.e. Facebook, Twitter, and LinkedIn.

#### Conference & workshop

- Attended seminar, on “Implications of the Union Budget 2015 on the Oil & Gas Sector” on March, 2015, PHD Chamber, New Delhi.
- International Seminar on “Water Resources Management for Sustainable Development”, Organised by Petrofed, Siri Fort complex, New Delhi, June 5, 2015
- Attended 2nd Biannual Oil and Gas International Conference on “City Gas Distribution- Opportunities & Challenges”, Hotel Le Meridien, New Delhi August 28, 2015
- Hindi Workshop (with BPCL), RGIPT Noida, October 20, 2015
- Case Research Workshop RGIPT Noida November 3, 2015
- Digital Workshop on Smart Book, RGIPT Noida December 10, 2015
- One day workshop on “Standards Knowledge Sharing For The Oil & Gas Pipeline Industry” organised by Asme International Working Group (ASME IWG) & Oil India Safety Directorate (OISD) on February 5, 2016.
- 2nd ORF-PRIO Conference on “FUTURE SCENARIOS FOR AN URBANIZING INDIA:
- Governance, Security & Environmental Change”. Organised by Observer Research Foundation (ORF), New Delhi, and the Peace Research Institute Oslo (PRIO), Norway. February 8, 2016.



### Dr. Susham Biswas

Assistant Professor- Geo Informatics

#### Paper and publication

- Zafar I. and Biswas S., 'Image processing technique for oil spill dispersion', Journal of Basic and Applied Engineering Research, ISSN 2350-0077, Volume 2, Number 13, April-June, 2015, pp. 1156-1158

#### R & D project and development:

- Carrying out two internal research projects

#### Award/ reorganization

- Awarded the Best teacher award at RGIPT

*Membership of scientific society /organization: Indian society of remote sensing*

#### Administrative responsibility:

1. Managed institute's academic responsibilities as Academic Coordination
2. Managed UG and PG admission
3. Techno Festival and S & T committee activities as Chairman;
4. Disciplinary Committee Member;
5. Acting as chairman of Tender Opening committee

#### Thesis supervised

- Supervising an PhD student

*Organized three workshops/seminars on topics such as Buddhism, Archeology, & Entrepreneurship for UG students.*



### Dr. S. Sharma

Assistant Professor- Petroleum Engineering

#### Research Project:

- One major project on "Development of Polyionic Liquid Based Silicate Muds for Wellbore Stability in Shale Reservoirs" Funded by DST India (2015-2018)

#### Publications:

- "An empirical correlation for estimating the viscosity of non-Newtonian waxy crude oils", Shivanjali Sharma, Vikas Mahto, Virender Parkash Sharma & Amit Saxena, Journal of Petroleum Science and Technology, Vol; 34(6), pp. 523-530
- "Experimental and modeling hydraulic studies of foam drilling fluid flowing through vertical smooth pipes", Amit Saxena, A.K. Pathak, Keka Ojha, Shivanjali Sharma, Egyptian Journal of Petroleum, DOI: 10.1016/j.ejpe.2016.04.006

#### Courses attended:

- Attended 11th program on "Latest Trends in Petroleum Exploration", 4th-6th February, 2016 at KDMIPE, Dehradun.
- Attended 4th Seminar on "Drilling Technology", 8th-9th October, 2015, Institute of Drilling Technology, Dehradun

#### Administrative responsibility

1. Member of Anti Ranging Committee
2. Member of Program Committee
3. Warden, Girls Hostel

4. Chairperson of RGIPT, Women Cell
5. Programme Convener of Petroleum Engineering & Geoscience Group



### Dr. S. Mishra

Assistant Professor, English

#### Recent Publications

- Mishra S, Singh. P.2015. "Reflections of Indian Sensibility: A Study of Complex Saga of Man-Woman Relationships in Bimal Roy's Bandini". New Academia: An International Journal of English Language, Literature and Literary Theory, Vol. IV Issue III, July; 1-16.

#### Poetry published:

- Mishra S. Love and Nostalgia, New Academia: An International Journal of English Language, Literature and Literary Theory, Vol. IV Issue I, Jan. 2015.
- Mishra S. Riot, New Academia: An International Journal of English Language, Literature and Literary Theory, Vol. IV Issue I, Jan. 2015.
- Research Interests: Indian Cinema, Film Studies, Advertising Script and Theory, Contemporary Literature, Indian Writing in English, Feminism and Gender Issues in Indian Writing in English, Communication and International Relations, Communication and Indian Security Issues.
- Ph.D: One ongoing.

#### Conferences and Workshops:

- National Seminar on Trends, Challenges and Innovations in Management, sponsored by U.G.C Mahatma Gandhi University, Nalgonda, Telangana, 2015.

#### Administrative responsibility

1. Member of Anti-Ranging Committee
2. Chief Warden (till February 2016)
3. Convener Sciences and Humanity Group



### Dr. Sanjay Kar

Assistant Professor & HoD — Management Studies

#### Journal Publication

- Kar SK (2016). India's green energy; past, present and the future. South Asia Journal. Summer Issue: 17
- Kar SK, Sharma A and Roy B (2016). Solar energy market developments in India. Renewable & Sustainable Energy Reviews, Vol.62, pp.121-133
- Kar, SK, Sinha, P.K., and Mishra, S. (2016). Sabarkantha Gas Limited: Challenges of Marketing Natural Gas, Asian Case Research Journal, Singapore. Vol. 20. Issue1. pp.1-41.
- Vaid M and Kar, SK (2016). TAPI pipeline progresses, but future uncertain. Oil & Gas Journal, May 2, Penn Well, US
- Bansal, R., Kar SK, and Mishra S. (2016). A Comparative Financial Performance Analysis: Study of Indian and Global Oil Companies, OGEL (Advanced publication).l

- Kar, SK (2015). Renewable Energy Market Developments: A Case of India. Renewable Energy Law and Policy Review. Issue 4.
- Kar, SK and Gopakumar K. (2015). Progress of renewable energy in India, Advances in Energy Research, Vol. 3, No. 2 (2015)
- Kar, SK and Sharma A. (2015). Wind Power Developments in India. Renewable & Sustainable Energy Reviews, August, Vol.48, pp. 264-275.
- Book Publication
- Energy Sustainability Through Green Energy (Eds.), A Sharma and SK Kar, Springer, India, 2015

#### Book Chapter

- Kar SK and Mishra A (2016). Renewable Energy Financing in India. In: Energy Security and Sustainability (with A. Mishra, Edited by A Shukla and A Sharma, CRC Press/Taylor and Francis Group, USA 2016.
- Kar SK (2015). Natural Gas to Drive Green and Sustainable Developments in India. In: Energy Sustainability Through Green Energy 2015, Edited by A Sharma and S K Kar, Springer 2015.
- Kar SK and Sharma a. (2015) Insights into Wind Market Developments in India. In: Energy Sustainability Through Green Energy, Edited by A Sharma and SK Kar, Springer 2015.
- A Sharma, K Srivastava and Kar SK (2015). Jawaharlal Nehru National Solar Mission in India. In: Energy Sustainability Through Green Energy 2015, Edited by A Sharma and SK Kar, Springer 2015.

Kar SK, Mishra S. and Bansal R. (2015). Drivers of Green Economy: An Indian Perspective. In: Environmental Sustainability: Role of Green Technologies, Edited by P.Thangavel and G.Sridevi, Springer 2015.

#### Column in Newspapers/Websites

1. India on the e-highway: Miles to go, but worth the try, May 11, 2016 <<http://southasiamonitor.org/detail.php?type=emerging&nid=16912>>
2. Gas reforms: Shot in the arm for CGD sector, DNA, 14 April 2016. <<http://www.dnaindia.com/analysis/column-gas-reforms-shot-in-the-arm-for-cgd-sector-2201896>>
3. Importing liquefied natural gas (LNG) is the best alternative remedy for India's natural gas deficiency, Financial Express, 12 April 2016 <<http://www.financialexpress.com/article/fe-columnist/lng-can-secure-indias-energy-future/235247/>>
4. Solarization Movement: Solar Power Rising in South India, The Hans India, 8 April 2016.<<http://www.thehansindia.com/posts/index/News-Analysis/2016-04-08/Solarization-Movement-Solar-Power-Rising-in-South-India/219813>>
5. Let us turn green: Role of natural gas and renewable in creating a green energy market in India, South Asia Monitor, 31 March 2016 <<http://southasiamonitor.org/detail.php?type=development&nid=16188>>
6. Impact of City Gas Distribution on Gas Market Developments in India, The Hans India, 31 March 2016 <<http://www.thehansindia.com/posts/index/National/2016-03-31/Impact-of-City-Gas-Distribution-on-Gas-Market-Developments-in-India/217936>>

#### Conference Proceedings

- Kar, SK (2016). Growth & Development of Natural Gas in India. ICEIM, SPM, PDPU Gandhinagar, India, 18-19 February
- Negi N. and Kar, SK (2016). Application of Queuing system waiting line operations theory to optimize the utilization of CNG stations. International Conference on Energy and Infrastructure Management (ICEIM-2016), SPM, PDPU Gandhinagar, 18-19 February 2016

#### Conference papers/Presentations

- Green Energy Market in India: Role of Natural Gas and Renewables, 16th Global Energy Village Summit, Salzburg, Austria, 11-13 April 2016
- Growth and development of Natural Gas Business in India, International Conference on Energy and Infrastructure Management (ICEIM-2016), SPM, PDPU Gandhinagar, 18-19 February 2016
- Application of Queuing system waiting line operations theory to optimize the utilization of CNG stations (with N.Negi), International Conference on Energy and Infrastructure Management (ICEIM-2016), SPM, PDPU Gandhinagar, 18-19 February 2016

#### Training Program

- Conducted Management Development Program on "Negotiation Skills", at Department of Management Studies (NOIDA), Rajiv Gandhi Institute of Petroleum Technology, November 5-6, 2015
- Conducted training program on "Negotiation Skills" for field officers of Indian Oil Corporation Limited, August 7-8, 2015

#### Invited Speaker

- Renewable Energy Market in India, NTPC Business School, 2016
- The Indian Gas Market, its Outlook and Challenges. 5th Annual Conference on LNG Business: Amid Low Oil Prices, organized by Infraline, 26-27 August 2015, New Delhi, India

#### Invited talk through Video Conference

Delivered a talk on "Solar Energy Market Developments in India" to PG, undergraduate, and faculty members of DCSMAT Institutions, Kerala on 30th October 2015



#### Dr. Saroj Kumar Mishra

Assistant Professor — Management Studies

#### Detail of Research/ Papers and Publication

- Bansal, R., Kar, S. K., Mishra, S. K., "A Comparative Financial Performance Analysis: Study of Indian and Global Oil Companies", Oil, Gas & Energy Law Journal (OGEL) [ISSN: 1875-418X], April 2016.

#### Participation in Conference/Workshop

- Srivastava, K. and Mishra, S. K., "Consumer Perception of Brand Personality Dimensions", Emerald Proceedings of Conference on Brand Management (CBM2016, a Refereed International Conference, ISBN: 9781786354112), 16-17



April 2016, IIT Delhi (in association with Curtin University, Australia).

- 2nd ORF-PRIO Conference on “*Future Scenarios for an Urbanizing India: Governance, Security & Environmental Change*”, 08 February 2016, Observer Research Foundation (ORF), New Delhi, and the Peace Research Institute Oslo (PRIO), Norway.
- “*Standards Knowledge Sharing for The Oil & Gas Pipeline Industry*”, ASME International Working Group (ASME IWG) & Oil India Safety Directorate (OISD), 05 February 2016, OIIB, Noida.
- “*Digital Workshop: Smart Book*”, Tata McGraw-Hill Publishing Co. Ltd., 10 December 2015, RGIPT Noida.
- “*Workshop on Understanding Consumers in Digital Era*”, conducted by Centre for Marketing in Emerging Economies (CMEE) of IIM Lucknow, 16-17 November 2015, IIM Lucknow Noida Campus.
- “*Case Research Workshop*”, 03 November 2015, RGIPT Noida
- “*Hindi Workshop*”, by BPCL, 20 October 2015, RGIPT Noida
- Seminar on “*Water Resources Management for Sustainable Development*”, organized by Petrofed, 05 June 2015, New Delhi.

### Award/ Reorganization

**Paper Reviewer:** Journal of Financial Risk Management (JFRM)

**Membership of any Scientific Society/Organization:**

- European Marketing Academy (EMAC)
- Association of Indian Management Scholars (AIMS International)
- International Society for Development and Sustainability (ISDS)

### Administrative Responsibility

1. Chief-Warden of RGIPT MBA Hostel, Noida.
2. Joint-Coordinator of MBA & PhD Admission 2016, Department of Management Studies, RGIPT Noida.

### Industrial Visit

IOCL Panipat Refinery, 23 July, 2015 (study tour of MBA 2014-16 batch).

### Reviewed Research Papers

- “The Impact of Asset Price Bubbles on Credit Risk Measures”, Journal of Financial Risk Management (JFRM), 29 Sept 2015.
- “Managers’ Perception towards Dividends and Dividend Policy –Evidence from Bangladesh”, Journal of Financial Risk Management (JFRM), 08 July 2015.



### Dr. T. Sharma

Assistant Professor- Petroleum Engineering

### Journal publications

- T. Sharma, N. Velmurugan, P. Patel, B.H. Chon, J.S. Sangwai (2015). Use of Pickering emulsion stabilized by nanoparticles in combination with polymer flood for enhanced oil recovery. Petroleum Science and Technology. 33: 1595-1604.

- T. Sharma, J.S. Sangwai (2015). Interaction of electrolyte on the stability and dynamic rheological properties of oil-in-water (o/w) Pickering emulsion stabilized by nanoparticle-surfactant-polymer (NSP) system. Industrial & Engineering Chemistry Research. 54: 5842-5852.

### Conference Proceedings:

- N. Velmurugan, G. Bansal, T. Sharma (2015). WellCON: An Early Kick Detection System. Abu Dhabi International Petroleum Exhibition and Conference, 9-12 Nov, Abu Dhabi. SPE-177670-MS.
- N. Velmurugan, G. Bansal, T. Sharma (2015). WellCON: Early Kick Detection System Extended to Kill Sheet. International Petroleum Technology Conference, 7-9 Dec, Doha, Qatar. IPTC-18524-MS.

### R & D project and development.

- Development of Polymer Coated Nanoparticle Stabilized Foams for Oilfield Applications Funded by Department of Science and Technology (DST), India (Principal Investigator). (~ 43 Lakhs INR)
- 2. Founder and faculty-in-charge of EOR and Flow Assurance laboratory.

### Award/reorganization

- Event organizer of “EOR Projects in India” one day workshop conducted by ONGC India and IIT Delhi, November-2015, RGIPT Rae Bareilly, India.
- Event Organizer of “Applications of Rheology in Petrochemical Industry” one day workshop conducted by International Company Anton-Paar, Austria, August 2015, RGIPT Rae Bareilly, India.

**SPE membership: SPE member number 3434114**

### Administrative responsibility

1. Oct 2015-till date Member, Standing Technical Committee, Petroleum Engineering, RGIPT Rae Bareilly, India.
2. March 2016-till date Founder and faculty-in-charge of the laboratory, EOR and Flow Assurance lab, RGIPT Rae Bareilly, India.
3. March 2016-till date Faculty advisor of SPE student chapter at RGIPT Rae Bareilly, India: SPE number-3434114
4. March 2016-till date Member, Techno Festival and S&T Committee, Petroleum Engineering, RGIPT Rae Bareilly, India.
5. May 2016-till date Member, Institute Placement Committee, Petroleum Engineering, RGIPT Rae Bareilly, India

### Project Proposals under consideration

- Using nanoparticles to formulate drilling/completion fluid for unconventional drilling. (the proposal has been submitted to IDT ONGC, Dehradun) (As Principal Investigator) (~42 Lakh).
- Development of a self-sealing fluid to enhance wellbore stability and combat lost circulation in unconventional formations. (the proposal has been submitted to OREN Hydrocarbons, Hyderabad) (As Principal Investigator) (~23 Lakh).

### Dr. Umaprasana Ojha

Associate Professor, Chemistry and Associate Dean, Academic Affairs

#### Research Publication

- Umaprasana Ojha, Rewati Raman Ujjwal & Anuj Kumar A PROCESS FOR THE PREPARATION OF POLYACRYLOYL HYDRAZIDE STABILIZED SILVER NANO PARTICLES AND THE PRODUCTS OBTAINED THEREBY PCT Int. filed. 2015, PCT/IN2015/000383.
- Ujjwal, R. R.; et al A General Reagent Free Route to pH Responsive Polyacryloyl Hydrazide Capped Metal Nanogels for Synergistic Anticancer Therapeutic ACS Appl. Mater. Interface 2015, Accepted
- Umaprasana Ojha, Anuj Kumar, Polyacryloyl hydrazide based hydrogels. Patent Ind. Appl. 2015, 819/DEL/2015.
- Umaprasana Ojha, Rewati Raman Ujjwal & Anuj Kumar, Nanogels for Anticancer therapeutics, Patent. Ind. Appl. 2015, 367/DEL/2015.
- Anuj Kumar, Umaprasana Ojha Polymeric drug carriers through covalent attachment and encapsulation for controlled delivery purposes Int. J. Plast. Tech.2015 , Ahead of Print.

#### Research Interests

- Synthesis and Characterization of nano-structured materials and networks for the following applications
- Enhanced oil recovery
- Gas separation and storage
- Implantable medical device
- Photo voltaics

#### Administrative responsibility

1. Associate Dean, Academic Affairs
2. Member of Alumni Association, RGIPT
3. Convener of accommodation committee



### Dr. U D Dwivedi

Assistant Professor, Electrical Engineering

#### Participation in Conference/Seminar/Programmes

- Dr. UD Dwivedi co-chaired a technical session on Stability Analysis in the 1st UPCON ICEEE organized by IEEE UP Section on 26-27 March 2015.

#### Papers Submitted/Accepted/Reviewed/Published

- Dr. UD Dwivedi: One Paper accepted in SPE Annual Technical Conference and Exhibition, to be held on 28-

30 September 2015 at Houston, Texas, USA. The accepted paper will be presented in Session 30 - Petroleum Advanced Analytics: Data to Barrels - Demonstrating the Power of Data Analytics in Upstream.

- Dr. UD Dwivedi was invited to co-chair technical session-VII on Stability Analysis in the 1st UPCON ICEEE organized by IEEE UP Section on 26-27 March 2015.
- Dr. UD Dwivedi submitted a paper in IEEE UPCON15.



### Dr. V. S Sistla

Assistant Professor, Chemical Engineering

#### Detail of research/ papers and publication

##### Publications

- Sistla,V.S., A. Sharma., Synthesis of  $\text{CaCl}_2 \cdot 6\text{H}_2\text{O}$  by using Phase Diagram and verification of its ability to remain as a Hexahydrate at various thermal effects, J.Alt. Ener. Sour. & Tech. 2015, 6(3): 60-71.

##### Peer reviewed conference proceedings

- Bijoy.K.Purohit, Sistla,V.S., Effect of Heterogeneous surface on the nucleation of  $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$  in aqueous solution, CHEMCON, IIT Guahati, December 2015.
- Sistla,V.S., Bijoy.K.Purohit., A. Sharma., Selective crystallization of Hexa and Tetra hydrates of  $\text{CaCl}_2$  in aqueous solution, INCEEE(2015), NIT Warangal, India.

##### Participation in conference:

- V.S.Sistla; Composite material development for Thermal energy storage, 3rd Indo-German workshop, IIT Guwahati, 23-26.02.2016.
- Bijoy.K.Purohit, Sistla,V.S., Effect of Heterogeneous surface on the nucleation of  $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$  in aqueous solution, CHEMCON, IIT Guahati, December 2015.
- Sistla,V.S., Bijoy.K.Purohit., A. Sharma., Selective crystallization of Hexa and Tetra hydrates of  $\text{CaCl}_2$  in aqueous solution, INCEEE(2015), NIT Warangal, India.
- Thesis supervised: 3 B.Tech Thesis supervised during the SS 2015

##### Administrative responsibility

1. Member of "Arpan" Social Club
2. Member of Disciplinary committee
3. Warden Boys hostel



## प्रशासनिक अधिकारी व कर्मचारी

श्री रघुनाथ भट्टाचार्य  
उप कुलसचिव

श्री जितेन्द्र प्रसाद  
कॉरपोरेट कम्युनिकेशन अधिकारी

श्री हरीश कुमार यादव  
अधिकाधी अभियन्ता (सिविल)

श्री अनिल कुमार वर्मा  
सिस्टम एवं नेटवर्क प्रशासक

श्री सुधीर अरोड़ा  
मण्डार एवं कय अधिकारी

श्री अरुण कुमार सिंह  
सहायक कुलसचिव

सुप्रिया मिश्रा  
सहायक कुलसचिव

श्री राकेश सिंह  
सहायक कुलसचिव

निहारिका जोशी भट्ट  
सहायक कुलसचिव

श्री मो0 इल्ताफ जफर  
वरिष्ठ तकनीकी अधीक्षक

श्री दीपक अस्थाना  
कनिष्ठ तकनीकी अधीक्षक

श्री धर्मेन्द्र प्रताप सिंह  
शारीरिक अनुदेशक

श्री लोकेश भटनागर  
सहायक (आई0टी0)

श्री अरुण कुमार सिंह  
कनिष्ठ तकनीकी अधीक्षक

श्रीमती मधुप्रिया  
कनिष्ठ अधीक्षक

श्री उमेश कुमार शर्मा  
कनिष्ठ अधीक्षक

श्री तेज प्रकाश जोशी  
कनिष्ठ अधीक्षक

श्री योगेश शर्मा  
कनिष्ठ सहायक

श्री अश्विनी कुमार चौधरी  
कनिष्ठ सहायक (सिस्टम)

श्री विवेक सिंह  
कनिष्ठ सहायक

श्री अशोक कुमार  
कनिष्ठ मेकैनिक्

श्री अमित कुमार बाजपेयी  
कनिष्ठ सहायक

प्रीति सिंह  
कनिष्ठ सहायक

श्री उमेश कुमार शर्मा  
कनिष्ठ सहायक

श्री नागेश कुमार  
कनिष्ठ सहायक

श्री गोविन्द कुमार तिवारी  
कनिष्ठ पुस्तकालय एवं सूचना सहायक

श्री नारायण कुमार लेंगे  
कनिष्ठ प्रशासनिक अधिकारी

श्री अंकित मोहन  
कनिष्ठ प्रशासनिक अधिकारी

श्वेता नेगी  
निजी सचिव

शिखा मल्होत्रा  
लेखा अधिकारी

श्री कृष्ण कुमार सिन्हा  
लेखाकार

श्री आर0वी0 गुजराल  
प्रयोगशाला सुपरवाइजर

## वर्ष 2015-16 के लिए आरजीआईपीटी के अंकेक्षित वित्तीय प्रतिवेदन

### वर्ष 2015-16 का लेखा

आरजीआईपीटी के वर्ष 2015-16 के अंकेक्षित लेखा अनुसूची-1 में अनुलग्न की गई है। लेखा के मुख्य बिन्दु निम्नलिखित हैं:-

#### 1. धनराशि/पूँजीगत निधि (तुलन-पत्र में अनुसूची-1)

##### जायस

33884.00 लाख रुपये (जिसमें 25000.00 लाख रुपये सार्वजनिक क्षेत्र की तेल कंपनियों एवं ब्याज के रूप में प्राप्त राशि है) को बैंकों में सावधि जमा के रूप में निवेश किया गया। इन सावधि जमा से प्राप्त ब्याजों का उपयोग संस्थान के आवर्ती खर्चों को पूरा करने में किया जाता है जबकि शेष राशि को पुनः निवेश किया जाता है।

##### असम

20964.00 लाख रुपये कॉर्पस निधि (जिसमें 17783.00 लाख रुपये सार्वजनिक क्षेत्र की तेल कंपनियों द्वारा एवं ब्याज से प्राप्त हुई धनराशि भी सम्मिलित हैं), बैंकों के सावधि जमा में निवेश किया गया है। इस निधि से प्राप्त ब्याज आय को आवर्ती खर्च के लिए उपयोग किया जाता है और अधिशेष नियमित आधार पर पुनर्निवेश किया जाता है।

वर्ष के अंत में, व्यय के उपरांत बचे राशि को बैंकों में सावधि जमा खातों में निवेश किया गया। गैर-व्यापार योग्य सरकारी प्रतिभूतियों को निम्न तरीके से वापस कॉर्पस निधियों में रखा गया है-

शीर्षक	जायस (लाख रुपये में)	असम (लाख रुपये में)
आय एवं व्यय खाता 2015-16	2090.00	3181.00

#### पूँजीगत व्यय के लिए निधि

भारत सरकार एवं ओआईडीबी/सार्वजनिक क्षेत्र के उपक्रमों से 31 मार्च 2015 तक प्राप्त अनुदान एवं पूँजीगत निधि की स्थिति निम्नानुसार है:

##### अ. जायस/रायबरेली परिसर:

- भारत सरकार से 2010-11 तक 8600.00 लाख रुपये की निधि प्राप्त हुई। वर्ष 2015-16 के दौरान 4800.00 लाख रुपये प्राप्त हुई।
- 31 मार्च 2015 तक ओआईडीबी से प्राप्त राशि 12936.00 लाख रुपये रही। वर्ष 2015-16 के दौरान 2064.00 लाख रुपये प्राप्त हुई।

##### ब असम केन्द्र

सार्वजनिक क्षेत्र के उपक्रमों एवं ओआईडीबी से 31 मार्च 2016 तक प्राप्त कुल पूँजीगत राशि 5116.00 लाख रुपये रही। वर्ष के दौरान

सार्वजनिक उपक्रमों/ओआईडीबी से कोई पूँजीगत राशि प्राप्त नहीं हुई। ओआईडीबी से 100.00 लाख रुपये का अनुदान प्राप्त हुआ।

#### 2. संचय और अधिशेष (तुलन-पत्र में अनुसूची-2)

##### सामान्य संचय

वर्ष के दौरान 31 मार्च 2016 तक 2076.00 लाख रुपये की राशि, व्यय की तुलना में आय अधिक होने के कारण सामान्य संचय में जमा की गई। पिछले वर्ष सामान्य संचय में कुल 2400.00 लाख रुपये जमा की गई।

##### मूल्यहास निधि

आने वाले समय में संपत्ति के प्रतिस्थापन के लिए उपयुक्त वित्तीय सुविधा उपलब्ध कराने के उद्देश्य से वर्ष 2011-12 में एक निधि बनाई गई थी जिसमें आय व व्यय खाते से मूल्यहास लागत हस्तांतरित की जाती है। मूल्यहास खाते में कुल जमा व निवेश से प्राप्त ब्याज की कुल राशि, वर्ष के अंत में 1271.00 लाख रुपये रहा।

#### 3. निर्धारित निधि (तुलनपत्र में अनुसूची-3)

31 मार्च 2016 को शेष 38.88 लाख रुपये की निर्धारित निधि, शेवरॉन छात्रवृत्ति निधि से वर्ष के दौरान 19.44 लाख रुपये वितरण के बाद बची राशि को प्रदर्शित करता है।

#### 4. विलम्बित साख दायित्व (तुलनपत्र में अनुसूची-4)

31 मार्च 2016 को शेष बचे 76.56 लाख रुपये की निधि, विज्ञान व प्रौद्योगिकी विभाग, सर्व आदि संगठनों से प्राप्त, शोध परियोजना अनुदान को प्रदर्शित करता है जिसका भविष्य में उपयोग किया जाना है।

#### 4. चालू देयताएं एवं उसका प्रावधान (तुलनपत्र में अनुसूची-5)

- 31 मार्च 2016 को 2482.00 लाख रुपये, बकाया बिलों की देनदारी को प्रदर्शित करता है। उसमें 2279.00 लाख रुपये पूँजीगत कार्य एवं अन्य राजस्व व्यय/बिलों की देनदारियाँ हैं।
- 137.57 लाख रुपये की देनदारी वर्ष 2015-16 में मार्च 2016 के लिए देय वैधानिक बकाया है
- 3122.00 लाख रुपये में शामिल हैं- वापस किये जाने योग्य बयाना राशि (ईएमडी), सुरक्षा जमा राशि, प्रतिधारण धन, छात्र/भूतपूर्व छात्र कल्याण निधि एवं आईआईपीई को वापस किये जानेवाले राशि।
- वास्तविक मूल्यांकन के आधार पर चालू वर्ष के खातों में सेवानिवृत्ति लाभों के प्रावधान के लिए ग्रेच्युटी नकदीकरण के लिए 126.61 लाख रुपये को प्रावधान किया गया है।



## 6. स्थायी संपत्ति (तुलनपत्र में अनुसूची-6)

रायबरेली, नोएडा (एमबीए कैम्पस) तथा असम केन्द्र के अस्थायी कैम्पस के लिए वर्ष 2015-16 के दौरान 110.00 लाख रुपये मूल्य के आईटी उपकरण, फर्निचर व फिक्सचर, प्रयोगशाला उपकरण, विद्युत उपकरण, किताबों जैसे पूँजीगत सामानों की खरीदारी की गई। इस तरह से, स्थायी संपत्ति का कुल मूल्य 2211.00 लाख रुपये हो गया है। इसमें भूमि एवं स्थायी संपत्ति का 1249.00 लाख रुपये मूल्य भी शामिल है। इस राशि से चालू वर्ष के लिए 172.00 लाख रुपये मूल्यहास के मद में हटा दिये गये हैं।

## 7. कार्यशील पूंजी (तुलनपत्र में अनुसूची-6)

31 मार्च 2016 तक जारी पूँजीगत कार्यों के मद में 34,286.00 लाख रुपये खर्च किये गये। इसमें जायस कैम्पस परियोजना के लिए 34286.00 लाख रुपये एवं असम कैम्पस परियोजना के लिए 2610.00 लाख रुपये खर्च किये गये। ये व्यय, भू-अन्वेषण, पीएमसी शुल्क, भूमि समतलीकरण, चहारदीवारी निर्माण, सिविल निर्माण कार्य, परियोजना वस्तुओं के लिए सुरक्षित अग्रिम एवं परियोजना प्रशासन खर्च को प्रदर्शित करते हैं। इसके अलावे, 314.00 लाख रुपये यूपीपीसीएल को जायस कैम्पस के लिए बिजली का तार बिछाने के लिए भुगतान किया गया।

## 8. निवेश (तुलनपत्र अनुसूची 7 और 8)

निर्धारित निधि से 24 लाख रुपये का निवेश, शेवरान से छात्रवृत्ति के लिए प्राप्त निधि को प्रदर्शित करता है। 600 लाख रुपये अन्य निवेश, गैर व्यापारिक आरबीई बान्ड में निवेश को प्रदर्शित करता है।

## 9. चालू सम्पत्तियां व ऋण तथा अग्रिम (तुलन पत्र में अनुसूची 9)

31 मार्च 2015 को 61282.00 लाख रुपये के बैंक शेष में निम्नलिखित राशि सामिल है—

- विभिन्न बैंको में सावधि जमा में रखे 53410.00 लाख रुपये
- ऋण और अग्रिम में शामिल हैं:
  - जायस परिसर निर्माण कार्य शुरू करने के लिए ठेकेदार को भुगतान किये गये 1115.00 लाख रुपये की अग्रिम राशि का शेष। इसकी वसूली उसके मासिक परिचालन बिल से किया जाएगा।

- निवेश से ब्याज के रूप में प्राप्त 2052.00 लाख रुपये की राशि
- यूपीएसआईडीसी से 185.00 लाख रुपये वापस लिए जाने है।
- भारत सरकार से बजटीय सहायता के रूप में प्राप्त होने वाले 3111.00 लाख रुपये
- केन्द्रीय लोक निर्माण विभाग, असम के पास जमा 100.00 लाख रुपये।

## 10. आय (अनुसूची 10,11 व 12)

कुल 5554.00 लाख रुपये की आय, जिसमें सावधि जमाओं से ब्याज के रूप में प्राप्त 4786.00 लाख रुपये (3577.00 लाख रुपये का जमा ब्याज सहित) एवं छात्रों से शुल्क और आवेदन शुल्क के रूप में प्राप्त 480.00 लाख रुपये शामिल हैं।

## 11. व्यय (अनुसूची 13,14 व 15)

चालू वर्ष एवं पिछले वर्ष के मुख्य मदवार व्यय को अनुसूची 13,14 व 15 में दिखाया गया है व उसका सार नीचे तालिका में दिखाया गया है:

अनुसूची संख्या	व्यय	2014-15 (लाख रुपये में)	2015-16 (लाख रुपये में)
13	शैक्षिक	751.00	609.00
14	स्थापना	755.00	767.00
15	अन्य प्रशासनिक	564.00	629.00
	कुल	1434.00	2005.00

## 12. लेखा पर अंकक्षण प्रतिवेदन

वित्तीय समिति के निरीक्षण एवं 23 नवंबर 2016 को हुए निदेशक मंडल की बैठक में स्वीकृति मिलने के बाद वित्तीय वर्ष 2015-16 के लेखा का अंकक्षण, मुख्य निदेशक, वाणिज्यिक अंकक्षण व पदेन सदस्य, अंकक्षण मंडल-2, नई दिल्ली द्वारा किया गया। इस संबंध में पत्रांक संख्या-RAP/IOC/RGIPT/47-5/2016-17/360, दिनांक 28 अक्तूबर 2016 के माध्यम से मुख्य निदेशक, वाणिज्यिक अंकक्षण व पदेन सदस्य, अंकक्षण मंडल-2, नई दिल्ली के कार्यालय से प्राप्त प्रतिवेदन अंकक्षण प्रतिवेदन के साथ अनुलग्नक-2 के रूप में प्रस्तुत किया गया है। वित्तीय वर्ष 2015-16 के अंकक्षण प्रतिवेदन में किसी प्रकार की प्रतिकूल टिप्पणी नहीं की गई है।

अनुसूची-।



वित्तीय वर्ष  
2015–16 का लेखा

विद्यारत्नम् महद्भनम्

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY  
RAE BAREIL**



विद्यया ऽ मृतमश्नुते

**ACCOUNTS  
FOR THE FINANCIAL YEAR 2015-16**


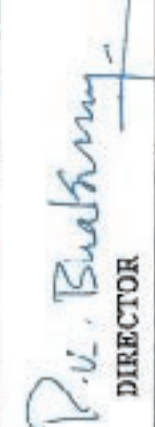

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY  
RAE BARELI**

**ACCOUNTS FOR THE FINANCIAL YEAR 2015-16**

1. BALANCE SHEET AS ON 31<sup>ST</sup> MARCH 2016
2. INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31<sup>ST</sup> MARCH 2016
3. RECEIPT & PAYMENT ACCOUNT FOR YEAR ENDED 31<sup>ST</sup> MARCH 2016

**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAE BARELI**  
**BALANCE SHEET AS AT 31ST MARCH' 2016**

AMOUNT (₹)		
CORPUS/ CAPITAL FUND AND LIABILITIES	SCHEDULE	CURRENT YEAR
CORPUS /CAPITAL FUND	1	8,91,44,05,561.41
RESERVES AND SURPLUS	2	87,75,06,225.50
EARMARKED / ENDOWMENT FUNDS	3	38,88,053.38
SECURED LOANS AND BORROWINGS		-
UNSECURED LOANS AND BORROWINGS		-
DEFERRED CREDIT LIABILITIES	4	76,56,123.75
CURRENT LIABILITIES AND PROVISIONS	5	59,74,75,548.00
<b>TOTAL</b>		<b>10,40,09,31,512.04</b>
<b>ASSETS</b>		
FIXED ASSETS	6	3,55,35,16,390.55
INVESTMENTS- FROM EARMARKED/ENDOWMENT FUNDS	7	24,00,000.00
INVESTMENTS-OTHERS	8	6,00,00,000.00
CURRENT ASSETS, LOANS, ADVANCES ETC.	9	6,78,50,15,121.49
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)		-
<b>TOTAL</b>		<b>10,40,09,31,512.04</b>
<b>SIGNIFICANT ACCOUNTING POLICIES</b>	17	Enclosed
<b>CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS</b>	18	Enclosed

 **DY. REGISTRAR**  
 **DIRECTOR**  
 **PRESIDENT (BoG)**

# FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAE BARELI

INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31ST MARCH'2016

AMOUNT (₹)

INCOME	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR
INCOME FROM SALES/SERVICE		0.00	0.00
GRANTS/SUBSIDIES		0.00	0.00
FEES/SUBSCRIPTIONS		4,79,38,366.00	5,69,49,688.33
INCOME FROM INVESTMENTS	10		
(Income on investment from earned/endowment funds transferred to funds)			
INCOME FROM ROYALTY, PUBLICATION ETC.	11	47,68,95,453.45	47,86,49,889.72
INTEREST EARNED	12	32,39,692.00	26,19,817.50
OTHER INCOME		1,72,43,382.00	1,71,77,131.00
DEFERRED REVENUE INCOME (TRANSFERRED FROM CAPITAL FUND - DEPRECIATION)		54,53,76,893.45	55,53,96,526.55
<b>TOTAL - (A)</b>			
EXPENDITURE			
ACADEMIC EXPENSES	13	6,38,72,997.00	7,51,53,693.55
ESTABLISHMENT EXPENSES	14	7,57,24,791.00	7,54,99,699.00
OTHER ADMINISTRATIVE EXPENSES	15	6,29,81,584.63	5,63,92,758.65
EXPENDITURE ON GRANTS, SUBSIDIES ETC.		0.00	0.00
PROVISION FOR DOUBTFUL DEBTS		3,72,500.00	0.00
PRELIMINARY EXPENSES WRITTEN OFF		0.00	0.00
DEPRECIATION (Net Total at the year end - corresponding to Schedule - E)		1,72,43,382.00	1,71,77,131.00
<b>TOTAL - (B)</b>		21,81,15,254.63	22,42,28,282.20
BALANCE BEING EXCESS OF INCOME OVER EXPENDITURE FOR THE YEAR C - (A-B)		32,72,61,638.82	33,11,68,344.35
ADD (LESS) : PRIOR PERIOD ADJUSTMENT (NET) (D)		56,47,628.80	-47,23,467.00
NET EXCESS OF INCOME OVER EXPENDITURE (C-D)	16	33,39,09,266.82	32,64,44,777.35
TRANSFER TO DEPRECIATION FUND		1,72,43,382.00	1,71,77,131.00
TRANSFER TO (FROM) CORPUS FUND RAEBARELI (Accumulated Interest Utilised)		(29,50,85,113.00)	18,16,02,066.00
TRANSFER TO CORPUS FUND ASSAM		31,81,29,584.80	10,36,55,740.00
TRANSFER TO GENERAL RESERVE		20,76,21,413.82	2,48,08,840.35
BALANCE BEING SURPLUS/DEFICIT CARRIED TO CORPUS/CAPITAL FUND		0.00	0.00
SIGNIFICANT ACCOUNTING POLICIES	17	Excluded	
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	18	Excluded	

DY. REGISTRAR *P. V. Shrivastava* DIRECTOR *P. V. Shrivastava* PRESIDENT (BoG) *P. V. Shrivastava*

वर्षा (दिन) / HEAD (FIN)



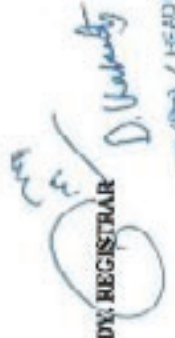
**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAEBARELI**  
**RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2016**

PREVIOUS YEAR	RECEIPTS	AMOUNT (Rs.)	AMOUNT (Rs.)	PREVIOUS YEAR	PAYMENTS	AMOUNT (Rs.)	AMOUNT (Rs.)
	<b>OPENING BALANCES</b>				<b>EXPENSES</b>		
	WITH SCHEDULED BANKS						
422802.11	ICICI Bank - 000701260248	35527.41		58515928.73	Academic Expenses	58515928.73	58515928.73
940317.20	HDFC Bank - 0003110004469	3004595.82		87730237.00	Establishment Expenses	87730237.00	87730237.00
325703800.48	Corporation Bank - 027022	337076958.48		5128426.07	Administrative Expenses	5128426.07	5128426.07
		994.80		224588.00	Prior Period Expenditure	224588.00	224588.00
4064118.29	ICICI Bank - 000701258642	1965799.29					
260508.17	HDFC Bank (FCRA) - 30031170400006	267942.17		15464423.00	REFUND/OTHER PAYMENTS	15464423.00	15464423.00
13532.88	ICICI Bank - R3L - 000701262942	952126.88		6494848.00	Previous Year Statutory Dues	6494848.00	6494848.00
4634015.60	State Bank of India - 31998731040	6533318.00		436480.00	Utilization Of Research Grants	436480.00	436480.00
41985838.60	Audhra Bank - 008410100014263	34523737.50		96718.00	Security Deposit Students	96718.00	96718.00
127658.00	Alahabad Bank - 50171376000	0.00		0.00	Payment Against State Cheques	0.00	0.00
44281842.94	Alahabad Bank - 50162401170	3814882.82		1343745.00	Medication Interest to CIDB	1343745.00	1343745.00
27852262.00	Audhra Bank - 008410100027721	3415838.00		4200.00	Scholarship Paid	4200.00	4200.00
0.00	State Bank of India - 3471850206-2	2500.00		600.00	Alumni Fund	600.00	600.00
3477688.00	Bank Of Baroda - 37260100004160	4800813.88		0.00	Prize on behalf of IIEP	0.00	0.00
		441183532.75		0.00	Research Grant Refunded	0.00	0.00
4810607403.00	WITH SCHEDULED BANKS	3114585272.00					
	IN DEPOSIT ACCOUNTS		5635751744.75		REFUNDABLE PAYMENTS		
875250537.00	CAPITAL RECEIVED	2264000000.00		340060.00	Security - Deposit Field (Others)	340060.00	340060.00
7710598.00	Research Grants	7503233.00		0.00	Excess charged by BOB	0.00	0.00
0.00	Budgetary Support from GOI	480000000.00		71000.00	Elmest Money Refund	71000.00	71000.00
2796070.00	Scholarship Grant	1181230.00					
4290623.50	INTEREST ON AG. OF CAPITAL FUND	5432972.00			ADVANCES		
31732250.58	Int. On Fd - Capital Fund	2890702.47		0.00	Advance for Patent	0.00	0.00
551151.50	Int. On Fd - Capital Fund (Asset)	1212823.00		0.00	OWP Fund Assets	0.00	0.00
7552917.50	Int. On Fd - Depreciation Fund	16884233.00		1000000.00	Deposit With Govt	1000000.00	1000000.00
222040.50	Int. On Fd - Emergent Endowment Fund	222458.00		30897.00	Purchase Of Supplies	30897.00	30897.00
584622.50	Interest On Scholarship Grant	221894.00		0.00	Advance To Staff	0.00	0.00
	REFUNDABLE/ TRANSFERABLE RECEIPTS				EXED ASSETS		
0.50	Received on behalf of IIEP	235003030.00		77134641.20	OWs Jabs	77134641.20	77134641.20
785050.00	Liability Against State Cheques	225111.00		34007814.00	OWs Assets	34007814.00	34007814.00
540000.00	Security Deposit From Students	438020.00		37732.00	Fixed Assets Asset	37732.00	37732.00
19600.00	Student Welfare Fund	14430.00		8981830.00	Fixed Assets Rty	8981830.00	8981830.00
165000.00	Security Deposit Others	4057917.00					
90.00	Rt Fees Refundable	0.00					
70200.00	Alumni Fund	97630.00					
207068.00	Earnest Money Received	185600.00					
			240019658.00		PAYMENTS AGAINST P.Y. LIABILITY		

*Dr*

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAEBARELI**  
**RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2016**

PREVIOUS YEAR	RECEIPTS	AMOUNT (Rs.)	AMOUNT (Rs.)	PREVIOUS YEAR	PAYMENTS	AMOUNT (Rs.)	AMOUNT (Rs.)
	<b>RECEIPTS</b>				<b>RECEIVED CHEQUES BOUNDED/REBUND</b>		
445587.18	Academic Expenses	575482.00		178320.00	Fees Refunded	53000.00	52000.00
300908.00	Administrative	111111.14		17558.00	Other Income	0.00	
3581.00	Establishment Expenses	867604.00					
3568200.00	Income Tax Refund	0.00					
763808.00	P. Y. Dues/Debitors	307486.00					
4678.00	Security Deposit - Bank	0.00					
80000.00	Security Deposit - Niche Housing	0.00					
	<b>INCOMES</b>						
57682564.33	Fees Received	47309668.00	2568543.14	345274.11	ICICI Bank - 000701260248	904280.11	
590000.00	Executive Development Course Fees	1012000.00		0.00	Alkesh Bank - 583271013940	19000000.00	
376150524.36	Interest From Bank/Bond	634305879.56		3618562.83	Alkesh Bank - 58112401170	19768740.85	
41770.80	Prior Period Income	30748.00		3004505.53	Axis Bank - 00841010027721	98011353.00	
696073.60	Interest On Income Tax Refund	0.00		387076998.48	HDFC Bank - 80831110004488	3355082.94	
1216283.60	Other Income	1107435.00		460065.38	Bank of Baroda - 37350100004760	31300538.88	
				56476.00	ICICI Bank - 000701258840	101300.00	
				1665799.29	ICICI Bank - 034301002771	3117207.29	
				297942.17	HDFC Bank (FCRA) - 0003170000095	303761.17	
				952176.88	ICICI Bank - PBL - 000701161842	1399307.88	
				6533358.00	State Bank of India - 31808731040	8555464.75	
				34525757.50	Andhra Bank - 008410100014268	98453877.00	
				25030.00	State Bank of India - 347851290842	34370.00	
						717163880.35	
						834922339.00	612816748.35
	<b>CONTRA ITEMS</b>						
1164405.00	Imprest Cash	1201236.00					
8304608.00	Bank To Bank Transfer	181714031.00		1164405.00	Imprest Cash	1201236.00	
187785884.00	Canceled Cheques	2767708.00		8304608.00	Bank To Bank Transfer	151714031.00	
1510368.00	Advance Others	1171630.00	196899995.00	187785884.00	Canceled Cheques	2767708.00	
				1516368.00	Advance Others	1171630.00	166880091.00
688327482.16	<b>TOTAL</b>		7476655407.92	593321482.66	<b>TOTAL</b>		7476655407.92

  
**DY. REGISTRAR**  
 गुरु (Reg) / HEAD (FIN)

  
**DIRECTOR**  
 PRESIDENT (B+C)



**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY**  
**RAE BARELI**

**ACCOUNTS FOR THE FINANCIAL YEAR 2015-16**

**SCHEDULES FORMING PART OF BALANCE SHEET AND INCOME & EXPENDITURE ACCOUNT**

1. SCHEDULE - 1 - CORPUS / CAPITAL FUND
2. SCHEDULE - 2 - RESERVES AND SURPLUS
3. SCHEDULE - 3 - EARMARKED / ENDOWMENT FUNDS
4. SCHEDULE - 4 - DEFERRED CREDIT LIABILITIES
5. SCHEDULE - 5 - CURRENT LIABILITIES AND PROVISIONS
6. SCHEDULE - 6 - FIXED ASSETS
7. SCHEDULE - 7. INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS
8. SCHEDULE - 8 - INVESTMENTS - OTHERS
9. SCHEDULE - 9 - CURRENT ASSETS, LOANS, ADVANCES ETC.
10. SCHEDULE - 10 - FEES/SUBSCRIPTIONS
11. SCHEDULE - 11 - INTEREST EARNED
12. SCHEDULE - 12 - OTHER INCOME
13. SCHEDULE - 13 - ACADEMIC EXPENSES
14. SCHEDULE - 14 - ESTABLISHMENT EXPENSES
15. SCHEDULE - 15 - OTHER ADMINISTRATIVE EXPENSES
16. SCHEDULE - 16 - PRIOR PERIOD ADJUSTMENT
17. SCHEDULE - 17 - SIGNIFICANT ACCOUNTING POLICIES
18. SCHEDULE - 18 - NOTES ON ACCOUNTS AND CONTINGENT LIABILITIES

**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAJ BAREIL**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016**

SCHEDULE - I - CORPUS/CAPITAL FUND	CURRENT YEAR		PREVIOUS YEAR	AMOUNT (₹)
<b>CAPITAL FUND - RAJ BAREIL</b>				
Government of India Budgetary Support				
Balance as at the beginning of the year	97,55,30,519.00		97,12,14,895.50	
Add : Other Income (Sale of Treas) & Donated Assets	1,681.00		3.00	
	97,55,32,200.00		97,12,14,898.50	
Add : Contribution during the year	48,80,00,000.00		3.00	
Add : Surplus from Corpus Fund (Raj Bareil) withdrawn against Gov. Budgetary Support	31,11,20,043.00			
Add : Interest for the year from Bank	55,55,907.00	1,77,22,18,180.00	42,90,623.59	97,55,10,515.00
<b>Capital Grant from Oil Industry Development Board</b>				
Balance as at the beginning of the year	1,29,43,16,094.00		41,81,12,405.00	
Add : Transferred from CIDB Assam Capital Fund & Preliminary Expenses Fund	0.00		3.00	
Add : Contribution during the year	20,64,10,000.00		87,52,50,537.00	
Add : Interest for the year from Bank	12,12,523.00	1,50,19,58,497.00	5,52,151.00	1,20,43,16,094.00
<b>CAPITAL FUND - ASSAM</b>				
Balance as at the beginning of the year	48,26,66,175.53		45,09,31,925.00	
Less : Transferred to Capital Fund CIDB Raj Bareil	0.00		0.00	
Receipts from OIPSI's during the year	48,16,66,175.53		45,09,31,925.00	
	0.00		0.00	
	48,26,66,175.53		45,09,31,925.00	
Add : Interest from Bank	2,89,92,092.47	51,15,49,268.00	3,17,31,250.51	48,26,66,175.53
		3,78,57,15,065.00		2,75,24,92,781.53
<b>TOTAL CAPITAL FUND</b>				
Less : Capital Fund Adjustment - Assam (Cost of Land & Depreciation)				
Up to previous year	54,80,610.80		63,17,964.00	
During the current year	76,386.80		82,646.00	
On account of prior year	0.00		0.00	
	54,76,996.80		64,00,610.00	
Less : Capital Fund Adjustment - Ruchareil (Cost of Land & Depreciation)				
Up to previous year	12,34,39,138.39		10,63,34,653.59	
During the current year	1,71,66,996.00		1,70,94,485.00	
On account of prior year	0.00		0.00	
	14,06,06,134.39	14,70,73,130.39	12,34,29,138.59	12,94,28,743.59
		3,63,86,41,534.41		2,69,26,61,031.94
<b>CORPUS FUND</b>				
<b>ASSAM CENTRE</b>				
Balance as at the beginning of the year	1,77,82,61,400.00		1,46,23,08,000.00	
Add : Contribution during the year	0.00	1,77,82,61,400.00	0.00	1,46,31,08,000.00
Add : Surplus Interest up to 2011-14	0.00		21,13,04,600.00	
Add : Trfd. from Income & Expenditure	31,81,29,584.00	31,81,29,584.00	10,36,56,740.00	31,49,61,400.00
		1,69,63,90,584.00		1,77,87,61,400.00



FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
SCHEDULE - 1- CORPUS / CAPITAL FUND	CURRENT YEAR		AMOUNT (₹)
RAE BAREILLY CENTRE	PREVIOUS YEAR		
Balance as at the beginning of the year			
Fund Balance	2,50,00,00,000.00	2,50,00,00,000.00	
Surplus Interest	70,68,55,690.00	0.00	
Add : Transfer from Income & Expenditure	18,16,02,066.00	0.00	
	3,38,84,57,756.00	2,50,00,00,000.00	
Add : Contributions received during the year			
Bharat Petroleum Corporation Limited	0.00	0.00	
Gas Authority of India Limited	0.00	0.00	
Hindustan Petroleum Corporation Limited	0.00	0.00	
Indian Oil Corporation Limited	0.00	0.00	
Oil India Limited	0.00	0.00	
Oil and Natural Gas Corporation Limited	0.00	0.00	
	3,38,84,57,756.00	2,50,00,00,000.00	
Add : Surplus Funds Allocated			
Surplus Interest (Interest Utilized)	(20,90,85,113.00)	70,68,55,690.00	
Add : Ytd from Income & Expenditure	-	18,16,02,066.00	
	3,17,93,72,643.00		3,38,84,57,756.00
BALANCE AS AT THE YEAR END	8,21,44,95,561.41		7,78,91,82,195.94

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BARELI			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
SCHEDULE - 2 - RESERVES AND SURPLUS	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
<b>1. CAPITAL RESERVE</b>			
As per last account	5,04,00,831.59	5,04,00,831.59	
Addition during the year	0.00	0.00	
Less : Deductions during the year	0.00	0.00	5,04,00,831.59
<b>2. REVALUATION RESERVE</b>			
As per last account	0.00	0.00	
Addition during the year	0.00	0.00	
Less : Deductions during the year	0.00	0.00	0.00
<b>3. DEPRECIATION FUND</b>			
As per last account	9,31,97,885.09	6,86,67,717.30	
Less : Prior period Adjustment (P.Y. Depreciation written back)	0.00	0.00	
Addition during the year • (Transfer from Income & Expenditure A/c)	9,31,97,885.09	6,86,67,717.30	
Less : Deductions during the year	1,72,43,382.00	1,71,77,111.00	
Add : Interest Earned on Investment of Fund during the year	11,04,41,267.09	8,58,44,833.00	
	1,64,86,283.09	73,52,997.30	9,31,97,885.09
<b>4. GENERAL RESERVE</b>			
As per last account	48,14,58,430.09	46,79,45,589.74	
Add : Prior Period Adjustment (P.Y. Depreciation written back)	0.00	0.00	
Addition during the year (Excess of Income over Expenditure)	48,14,58,430.09	46,79,45,589.74	
Less : Surplus interest up to 2012-13 invested in FDR's Trill to Corpus Fund Account	20,76,21,413.82	2,40,08,840.15	
Less : Surplus interest up to 2012-13 invested in FDR's Trill to Corpus Fund Reserves	65,94,79,843.97	49,19,58,430.09	
	0.00	0.00	49,19,58,430.09
<b>BALANCE AS AT YEAR END</b>			
	68,94,79,843.97	87,75,06,225.50	68,94,79,843.97

*(Signature)*



FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
SCHEDULE - 2 - EARMARKED / ENDOWMENT FUNDS	CURRENT YEAR		AMOUNT (₹)
<b>SCHOLARSHIP GRANT</b>	PREVIOUS YEAR		
a) Opening Balance of the Funds			26,45,371.38
b) Additions to Funds			
i. Donations/Gifts			
Jt. Director Vashupuram	32,700.00		
Zila Kalyan Kanyasalya - Suran	0.00		
ONOC/National Inpat Nigam	60,000.00		
Social Welfare Board Raebareilly/District Welfare/Jharkhand State Tribal	940,850.00		
Central Sector Scholarship Scheme (MOSIE)	17,62,520.00		
Less: Reversals	27,96,070.00		17,96,070.00
ii. Interest on Investments - On Earmarked Funds (Current)	11,81,290.00		
iii. Other Additions	1,32,458.00		2,32,000.00
	0.00		0.00
<b>TOTAL (a+b)</b>	<b>51,31,433.38</b>		<b>56,13,441.38</b>
<b>c) Utilization / Expenditure towards objectives of the Funds</b>			
<b>I. Capital Expenditure</b>			
- Fixed Assets	0.00	0.00	0.00
- Others	0.00	0.00	0.00
<b>II. Revenue Expenditure</b>			
Salary, Wages & Allowances	0.00	0.00	0.00
Rent	0.00	0.00	0.00
Other Administrative Expenses	0.00	0.00	0.00
Other Expenditure (Scholarship Distributed)			
Cherem Scholarship	1,08,070.00	1,06,000.00	
Collector M.P./Jt. Director Vashupuram	0.00	32,700.00	
Zila Kalyan Kanyasalya - Suran	0.00	0.00	
ONOC/National Inpat Nigam	0.00	60,000.00	
Social Welfare Board Raebareilly/District Welfare/Jharkhand State Tribal	11,37,390.00	0.00	
Central Sector Scholarship Scheme (MOSIE)	0.00	17,45,045.00	19,43,746.00
<b>TOTAL (c)</b>	<b>12,45,390.00</b>		<b>19,43,746.00</b>
<b>NET BALANCE AS AT THE YEAR END (a+b-c)</b>	<b>38,86,043.38</b>		<b>37,29,695.38</b>

2015

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREIL			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2016			
SCHEDULE - 4 - DEFERRED CREDIT LIABILITIES	CURRENT YEAR		PREVIOUS YEAR
AMOUNT (₹)			
a) Acceptances secured by hypothecation of Capital Equipment & Other Assets	0.00		0.00
b) Others -			
i) Research Grants			
Opening Balance		54,80,202.00	47,31,502.00
Add : Interest Received During the year	1,86,057.00		5,56,022.00
Add : Received During the year	81,55,392.00	83,41,449.00	77,10,598.00
Less : Refunded During the year	1,57,469.00	1,38,21,651.00	1,29,98,122.00
Less : Utilized During the year	60,08,058.25	61,65,527.35	75,17,920.00
		76,56,123.75	54,80,202.00
<b>BALANCE GRANTS REPRESENTED BY :</b>			
- DST New Nano - Porous Materials for Natural Gas Storage Application	91,464.00		51,437.00
- DST Grant Seed Division	1,90,263.00		1,79,541.00
- DAE Study of Information on the Theoretic Measures on Variables	43,791.00		64,202.00
- SERB New Nano - Dev. Of New Polymeric Materials	1,31,821.00		2,57,469.00
- GEOKNO India Pvt. Ltd.	2,45,637.00		2,01,800.00
- On some properties of Expected Inertivity Time having Application in Reliability	90,000.00		90,000.00
- SERB Grant for Studies on three dimensional fracturing	-87,859.00		1,30,833.00
- Co2 capture using ionic liquids: Experiments and molecular modeling	4,196.00		5,26,357.00
- SERB Grant for Interrogating the Catalytic Activity of Nanocatalyst	1,89,016.00		8,63,221.00
- SERB Grant for Source Rock Evaluation of Lignite Deposits	9,10,665.75		11,94,641.00
- SERB Grant for Study of Total Moun Capture for Potential Double Beta	3,34,419.00		6,61,068.00
- DST Development of Poly Ionic Liquid Base Silicate Muds	2,96,403.00		5,38,419.00
- DST Development of Polymer Coated Nano Particle Stabilised Foams of Oil	24,82,355.00		0.00
- Un-Utilized - Interest	25,47,895.00		0.00
	1,86,057.00	76,56,123.75	7,21,174.00
<b>TOTAL</b>			54,80,202.00
<b>NOTE : Amounts due within one year</b>		76,56,123.75	54,80,202.00

*Dr. S. K. Singh*



FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)				
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILY				
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016				
SCHEDULE - 5 - CURRENT LIABILITIES AND PROVISIONS	CURRENT YEAR		PREVIOUS YEAR	
A. CURRENT LIABILITIES				
1. Acceptances		0.00		0.00
2. Sundry Creditors				
a) For Goods/Services	24,39,54,915.00		50,41,98,675.00	51,22,75,834.00
b) Others	43,82,805.00	24,82,37,720.00	80,77,159.00	
3. Advance Fees Received from Students		1,06,48,700.00		1,14,51,838.00
4. Interest accrued but not due on :				
a) Secured Loans / Borrowings	0.00		3.00	
b) Unsecured Loans / Borrowings	0.00	0.00	3.00	0.00
5. Statutory Liabilities:				
a) Overdue	0.00		3.00	
b) Others	1,57,56,725.00	1,37,56,726.00	16,87,051.00	16,87,054.00
6. Other Current Liabilities				
a) Unutilized Grant - Preliminary Expenses Fund (Assam)			3.00	
Opening Balance/Received during the year	3.00		3.00	
Less (Add) : Transferred to ODB Capital Fund Railbandi (Rajiv Provision W/s)	3.00		3.00	
b) Alumni Fund	5,23,103.00		5.00	
c) Student Welfare Fund	1,71,258.00		4,26,400.00	
d) Retention Money From Vendors	7,82,34,559.00		1,57,458.00	
e) Earnest Money Deposit/Security Deposit	5,86,098.00		8,13,608.00	
f) Security Deposit from Students	5,26,200.00		3,11,728.00	
g) Refundable to IIPU	23,80,29,757.00	31,21,70,972.00	7,77,200.00	8,48,04,394.00
<b>TOTAL (A)</b>		58,48,14,118.00		61,02,19,120.00
B. PROVISIONS				
1. For Taxation		0.00		0.00
2. Gratuity		49,71,129.00		70,30,518.00
3. Superannuation/Pension		0.00		0.00
4. Accumulated Leave Encashment		76,50,301.00		61,00,220.00
5. Trade Warranties / Claims		0.00		0.00
		0.00		0.00
<b>TOTAL (B)</b>		1,26,61,430.00		1,31,31,738.00
<b>TOTAL (A+B)</b>		59,74,75,548.00		62,33,50,858.00

*Don*



**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016**  
**SCHEDULES - 6 - FIXED ASSETS**

DESCRIPTION	GROSS BLOCK				DEPRECIATION		NET BLOCK		AMOUNT IN
	COST/VALUATION AS AT BEGINNING OF THE YEAR	ADDITIONS DURING THE YEAR	REDUCTIONS/ADJUSTMENTS DURING THE YEAR	COST/VALUATION AT THE YEAR-END	AS AT BEGINNING OF THE YEAR	ON DEPRECIATION/ADJUSTMENT DURING THE YEAR	TOTAL UP TO THE YEAR-END	AS AT CURRENT YEAR-END	AS AT THE PREVIOUS YEAR-END
<b>A. FIXED ASSETS</b>									
<b>1. LAND</b>									
a) Freehold - Nil	4,47,20,299.37	0.00	0.00	4,47,20,299.37	0.00	0.00	0.00	4,47,20,299.37	4,47,20,299.37
b) Leased - Nil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>2. BUILDINGS</b>									
a) On Freehold Land	8.46	0.00	0.00	8.46	0.00	0.00	0.00	8.46	8.46
b) On Leased Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c) Overhead Transmission	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
d) Self-constructed buildings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>3. PLANT MACHINERY &amp; EQUIPMENT</b>									
a) General Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b) Accessories	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c) Lab Equipment	4,27,22,979.37	1,00,00,000.00	0.00	5,27,22,979.37	1,24,45,845.30	67,80,900.00	1,92,06,745.37	3,35,21,618.14	2,50,72,141.14
<b>4. VEHICLES</b>	1,33,18,810.00	0.00	0.00	1,33,18,810.00	6,17,74,944.30	13,80,000.00	75,04,944.30	81,34,210.30	71,06,481.30
<b>5. FURNITURE, FIXTURES</b>									
Reputed Assets	2,77,82,116.20	23,24,000.00	0.00	3,01,06,116.20	3,26,48,812.30	27,76,111.00	3,28,24,923.30	34,31,409.30	1,01,33,548.30
Assets	2,29,00,000.00	0.00	0.00	2,29,00,000.00	1,77,11,100.00	3,60,000.00	1,80,71,100.00	1,80,71,100.00	1,00,90,310.00
<b>6. OFFICE EQUIPMENTS</b>	22,52,852.03	43,270.00	0.00	22,96,122.03	71,24,930.30	21,80,700.00	93,05,630.30	13,37,464.30	13,75,250.00
<b>7. COMPUTER PERIPHERALS</b>									
Reputed Assets	4,94,17,672.00	43,300.00	47,775.00	5,01,91,047.00	3,61,17,239.30	8,99,661.00	4,07,02,440.00	17,47,057.30	1,33,35,331.00
Assets	1,84,200.00	0.00	0.00	1,84,200.00	1,77,041.30	28,750.00	1,58,291.30	1,58,291.30	56,350.00
<b>8. ELECTRIC EQUIPMENTS</b>									
Reputed Assets	1,48,57,093.11	30,500.00	0.00	1,48,87,593.11	88,48,240.30	95,528.00	89,43,768.30	63,85,600.30	77,07,830.00
Assets	1,33,029.50	0.00	0.00	1,33,029.50	47,903.20	1,901.00	45,002.20	86,755.00	1,03,070.00
<b>9. LIBRARY BOOKS</b>	1,06,40,786.30	1,30,780.00	0.00	1,07,71,566.30	29,77,922.30	1,31,700.00	41,16,022.30	77,07,844.00	75,71,864.00
<b>10. TUBE WELL AND WATER SUPPLY</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>11. OTHER FIXED ASSETS</b>	507,843.30	17,891.00	0.00	525,734.30	1,57,449.20	9,089.00	2,06,538.00	3,16,490.00	1,33,494.00
<b>12. INSTANT EQUIPMENTS</b>	39,85,316.30	0.00	0.00	39,85,316.30	24,11,523.30	3,42,950.00	27,68,573.30	3,20,227.00	2,44,463.00
<b>TOTAL OF CURRENT YEAR</b>	31,00,44,293.20	1,11,27,831.00	47,775.00	32,13,697,939.20	7,84,53,777.30	1,74,15,900.00	9,58,69,677.30	12,40,28,847.30	13,16,33,830.00
<b>PREVIOUS YEAR</b>	30,02,51,854.20	96,32,441.00	0.00	31,00,84,295.20	6,84,53,664.30	1,71,71,310.00	7,56,24,974.30	11,18,53,534.30	12,40,34,210.00

DY. REGISTRAR  
 (Signature) / HEAD (FIN.)

DIRECTOR  
 (Signature)



FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)									
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY									
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016									
SCHEDULES - 6 - FIXED ASSETS									
DESCRIPTION	GROSS BLOCK				DEPRECIATION			NET BLOCK	
	COST/ VALUATION AS AT BEGINNING OF THE YEAR	ADDITIONS DURING THE YEAR	DEDUCTIONS DURING THE YEAR	COST/ VALUATION AT THE YEAR-END	AS AT BEGINNING OF THE YEAR	DURING THE YEAR	ON DEDUCTIONS DURING THE YEAR	AS AT THE CURRENT YEAR-END	AS AT THE PREVIOUS YEAR-END
<b>CAPITAL WORKING IN PROGRESS</b>									
A - R&I BARREL (Lab Equipment)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL - A</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>B - J&amp;S PROJECT</b>									
Land - Advisor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Management Fee	37649157.00	21071019.00	0.00	30,25,16,900.00	0.00	0.00	0.00	30,25,16,900.00	279491901.00
Civil Work in Progress	2109641847.00	762814203.00	0.00	2,88,84,64,010.00	0.00	0.00	0.00	2,88,84,64,010.00	3,95,67,70,07.00
Project Management Expenses	1773338.00	3126400.00	0.00	2,05,71,338.00	0.00	0.00	0.00	2,05,71,338.00	1,73,55,58.00
Capital Advances to P&I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Secured Advances Against Material	34363170.00	0.00	1511474.00	92,51,696.00	0.00	0.00	0.00	92,51,696.00	34,36,31,70.00
Advances for Electricity to UPCL	33140311.00	0.00	33140311.00	0.00	0.00	0.00	0.00	0.00	33,14,03,11.00
Loan : Interest on Mobilisation Advance	40846233.00	17126646.00	0.00	5,79,72,897.00	0.00	0.00	0.00	5,79,72,897.00	40,84,62,33.00
<b>TOTAL - B</b>	3960531074.00	85304388.99	48281795.00	3,18,75,84,677.00	0.00	0.00	0.00	3,18,75,84,677.00	239952074.00
<b>C - ASSAM PROJECT</b>									
Project Management Expenses	11532174.50	2851407.00	0.00	14,38,627.50	0.00	0.00	0.00	14,38,627.50	11,53,21,74.50
Project Management Fee	33021173.00	0.00	8069133.00	25,55,940.00	0.00	0.00	0.00	25,55,940.00	33,02,11,73.00
Civil Work in Progress	208158051.00	8948113.00	0.00	2,17,13,7204.00	0.00	0.00	0.00	2,17,13,7204.00	2,08,15,80,51.00
Advances to CPWD	1000000.00	0.00	1000000.00	0.00	0.00	0.00	0.00	0.00	10,00,000.00
Secured Advances Against Material	4203835.00	0.00	0.00	42,03,835.00	0.00	0.00	0.00	42,03,835.00	4,20,38,35.00
<b>TOTAL - C</b>	26725653.50	11801646.00	18069133.00	36,12,71,566.50	0.00	0.00	0.00	36,12,71,566.50	26,72,56,53.50
<b>TOTAL CWP (A+B+C)</b>	26725653.50	87789934.99	66360919.00	343808744.50	0.00	0.00	0.00	343,80,87,445.50	26,72,56,53.50
<b>GRAND TOTAL</b>	2,86,38,27,588.50	84,82,33,944.00	6,63,64,093.00	3,44,97,20,999.50	7,98,20,272.00	17,60,083.00	39,540.00	3,45,35,16,900.50	2,76,38,27,588.50
<b>PREVIOUS YEAR GRAND TOTAL</b>	1,60,31,27,572.50	1,52,31,00,848.00	5,61,82,650.00	2,18,70,32,588.50	6,18,40,966.00	17,177,131.00	0.00	2,76,38,27,588.50	1,33,92,81,976.00

P.K. Bhattacharya  
 DIRECTOR  
 RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY (RGIP)

BY REGISTRAR

प्रमुख (वित्त) / HEAD (FIN.)

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BARELI			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
	AMOUNT (₹)		
SCHEDULE - 1. INVESTMENTS FROM EARNINGS/ ENDOWMENT FUNDS	CURRENT YEAR	PREVIOUS YEAR	
1. In Government Securities	6.00		6.00
2. Other Approved Securities	6.00		6.00
3. Shares	6.00		6.00
4. Debentures and Bonds	6.00		6.00
5. Subsidiaries and Joint Ventures	6.00		6.00
5. Other (Fixed Deposits)	24,00,000.00		24,00,000.00
<b>TOTAL</b>	<b>24,00,000.00</b>		<b>24,00,000.00</b>
SCHEDULE - 2. INVESTMENTS - OTHERS	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
1. In Government Securities (RBI Bonds - Not marketable)	5,00,000.00		5,00,000.00
2. Other Approved Securities	6.00		6.00
3. Shares	6.00		6.00
4. Debentures and Bonds	6.00		6.00
5. Subsidiaries and Joint Ventures	6.00		6.00
5. Other	6.00		6.00
<b>TOTAL</b>	<b>5,00,000.00</b>		<b>5,00,000.00</b>

*[Signature]*



FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
SCHEDULE - 1 - CURRENT ASSETS, LOANS, ADVANCES ETC.	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
<b>A. CURRENT ASSETS:</b>			
1. <u>Receivables</u>			
a) Sundry Debtors (Stationery Items)	2,57,544.14	1,59,475.59	
b) Loose Tools	8.00	0.00	
c) Stock of materials	36,118.00	1,45,463.00	
- Finished Goods	6.00	0.00	
- Work-in-progress	6.00	0.00	
- Raw materials	0.00	0.00	3,43,936.59
2. <u>Small Debtors</u>			
a) Debts Outstanding for a period exceeding six months	0.00	0.00	
b) Receivable from GOI against Budgetary Support Utilised	31,123,843.00	38,11,29,043.00	0.00
3. <u>Cash Balances in Hand (including Cheques/Drafts and imprest)</u>			
		1,09,56,295.00	1,20,62,880.00
4. <u>Bank Balances</u>			
a) <u>With Scheduled Bank :</u>			
- on Current Accounts	0.00	0.00	
- on Deposit Accounts	1,54,16,23,169.60	5,19,45,89,222.00	
- on Savings Accounts	78,71,63,880.35	44,11,62,522.75	
b) <u>With Non - Scheduled Bank :</u>			
- on Current Accounts	0.00	0.00	
- on Deposit Accounts	0.00	0.00	
- on Savings Accounts	0.00	0.00	
<b>TOTAL(A)</b>		4,12,81,87,549.35	5,63,57,51,744.75
		4,45,34,57,549.49	5,64,81,51,567.85

*Q. Khan*



FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF FILM TECHNOLOGY EAE BAREILLY			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
SCHEDULE - 9 - CURRENT ASSETS, LOANS, ADVANCES ETC.	AMOUNT IN		
	CURRENT YEAR	PREVIOUS YEAR	
<b>A. LOANS, ADVANCES AND OTHER ASSETS:</b>			
<b>(I) Loans:</b>			
a) Staff - Salary Recoverable	1,02,560.00	0.00	
b) Other Entities engaged in activities/objectives similar to that of the Entity	0.00	0.00	
c) Others	0.00	0.00	0.00
<b>(II) Advances and other amounts receivable in cash or in kind as per value to be recorded:</b>			
a) On Capital Account	6,42,57,16.00	14,80,70,65.00	
b) Prepayments	14,87,794.00	15,14,819.00	
c) Security Deposits Paid	71,66,382.00	76,35,882.00	
d) Others	5,53,92,564.00	5,84,00,130.00	19,96,13,396.00
<b>B. Income Account:</b>			
a) On Investments from Harnamdeo/Endowment Funds	4,133.80	41,159.00	
b) On Investments-Others	26,11,91,330.80	35,77,42,395.50	
c) On Loans and Advances	9,21,724.80	6,38,118.30	
d) Others- Student Fees Due - 372500.00 - Provision Made 372500.00	0.00	5,01,400.00	15,89,13,272.60
<b>A. Claims Receivable:</b>			
		6.00	0.00
<b>TOTAL (B)</b>		31,45,52,972.00	54,85,46,648.60
<b>TOTAL (A+B)</b>		6,78,50,15,121.40	6,20,67,65,296.40

*Dr. Ravi*

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAJ BAREIL			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
SCHEDULE - 10 - FEES/SUBSCRIPTIONS	CURRENT YEAR	PREVIOUS YEAR	AMOUNT IN
1. Entrance Fees	11,21,849.00		15,89,514.33
2. Annual Fees/Subscription	4,68,76,657.00		5,46,60,174.00
3. Seminar/Program Fees	0.00		0.00
4. Consultancy Fees	0.00		0.00
5. Others	0.00		0.00
<b>TOTAL</b>	<b>4,79,98,506.00</b>		<b>5,66,49,688.33</b>

*[Signature]*

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BARELI			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
	AMOUNT (₹)		
SCHEDULE - 11 - INTEREST EARNED	CURRENT YEAR	PREVIOUS YEAR	
1) On Term Deposits:			
a) With Scheduled Banks	43,61,94,217.45	41,50,31,345.72	
b) With Non-Scheduled Banks	0.00	0.00	
c) With Institutions (Govt. of India Bond)	48,00,300.00	48,00,000.00	
d) Others	0.00	0.00	48,00,31,349.72
2) On Savings Accounts:			
a) With Scheduled Banks	14,21,394.00	11,02,776.00	
b) With Scheduled Banks in Sweep A/c	3,93,70,512.47	4,07,26,115.03	
c) With Non-Scheduled Banks	0.00	0.00	
d) With Institutions	0.00	0.00	
e) Others	0.00	0.00	4,18,26,511.03
Less: Transfer to Capital Fund			
a) Capital Fund Reserve	59,85,931.00	42,90,625.50	
b) Capital Fund Asset	2,89,02,092.47	3,17,32,259.53	
c) Capital Fund (Grant ODR)	12,12,423.00	5,42,151.40	
d) Depreciation Fund	1,66,81,283.00	73,52,997.80	
e) Remained Fund	2,22,453.00	2,22,038.40	
f) Deferred Credit Liabilities	1,86,067.00	5,55,022.60	
	5,27,55,150.47	5,55,022.60	4,47,06,044.03
3) On Loans			
a) Employees Staff	0.00	0.00	
b) Others	0.00	0.00	0.00
4) Interest on Debtors and Other Receivables (Income Tax Refund)			
		0.00	6,95,673.00
TOTAL		67,68,95,453.45	67,36,49,889.72

*Signature*



FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
SCHEDULE - 11 - OTHER INCOME	AMOUNT (₹)		
	CURRENT YEAR	PREVIOUS YEAR	
1. Profit on Sale/Disposal of Assets a) Owned Assets	2.00	0.00	0.00
b) Assets acquired out of grants or received free of cost	0.00	0.00	0.00
2. Export Incentives realised		0.00	0.00
3. Fees for Miscellaneous Services	25,42,164.00		21,53,197.00
4. Miscellaneous Income	3,77,426.00		4,66,620.50
<b>TOTAL</b>	<b>32,25,492.00</b>		<b>26,19,817.50</b>

*Signature*

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
	AMOUNT IN		
SCHEDULE - 13 - ACADEMIC EXPENSES	CURRENT YEAR	PREVIOUS YEAR	
Remuneration to Visiting Faculties	1,21,590.00	15,63,591.00	
Book Grant, e-Journal Charges, Magazines & Academic Software	38,86,897.00	1,31,59,487.00	
Convocation, Conference & Meeting Expenses	22,74,915.00	0.00	
IT-FEE Fees	4,56,000.00	4,50,000.00	
CAT-Fees	2,58,000.00	2,03,000.00	
Student Welfare	3,11,821.00	6,72,792.00	
Hostel Rent & Mess Expenses	1,32,15,756.00	1,30,70,415.00	
Scholarship & Stipend	66,54,981.00	36,11,798.00	
Doctor Fees	3,78,608.00	3,51,000.00	
Placement Brochure & Expenses	3,53,038.00	3,75,551.00	
Workshop & Training	18,217.00	15,87,515.00	
Cultural & Sports Activities	21,57,547.00	14,63,141.00	
Rent & Electricity Charges	2,35,85,401.00	3,41,89,025.00	
RGUPF Scholarship	8,10,000.00	6,99,000.00	
Repairs & Maintenance (Equipment)	14,56,376.00	11,87,792.00	
Vehicle Running Expenses	11,35,773.00	13,30,252.00	
Lab Charges and Printing & Stationery	6,32,177.00	12,24,390.55	
External Grant to DST Project	53,420.00	0.00	
Traveling & Conveyance Expenses (Academic)	21,84,207.00	0.00	
Student Contingency	4,11,445.00	0.00	
Membership Fees	31,445.00	3,40,000.00	
TOTAL	6,08,72,997.00	7,51,58,693.55	

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
	AMOUNT IN		
SCHEDULE - 14 - ESTABLISHMENT EXPENSES	CURRENT YEAR	PREVIOUS YEAR	
a) Salaries & Allowances	6,09,63,296.00	5,83,32,564.00	
b) Man Power Training	72,19,656.00	66,34,116.00	
c) Contribution to Provident Fund & NPS	42,03,469.00	33,88,152.00	
d) Contribution to Other Fund	0.00	0.00	
e) Staff Welfare Expenses	1,94,106.00	5,774.00	
f) Provisions on Employees Retirement and Terminal Benefits (Gratuity & Leave Encashment)	15,84,481.00	58,71,112.00	
g) Others	6,82,998.00	6,21,250.00	
Honorarium	18,42,559.00	10,63,313.00	
Medical Reimbursement	29,332.00	1,411.00	
Recreation Expenses	7,67,23,751.00	7,54,85,699.00	
TOTAL	7,67,23,751.00	7,54,85,699.00	

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
SCHEDULE - 15 - OTHER ADMINISTRATIVE EXPENSES	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
a) Purchases (General Consumables)	8.00		8.00
b) Labour and processing expenses	8.00		8.00
c) Cartage and Carriage Inwards	8.00		8.00
d) Electricity and Power	65,48,085.00		51,91,645.00
e) Repairs & Maintenance (Building & Other)	6,55,965.00		10,32,934.00
f) Insurance:	5,55,007.00		8,28,741.00
a) Repairs and Maintenance (House Keeping & Office Expenses)	51,72,394.40		46,18,134.84
b) Security Service Charges	85,55,137.00		78,57,214.00
c) Rent, Rates and Taxes	1,42,01,731.00		13,91,000.00
d) Vehicles Running and Maintenance	7,78,569.00		8,47,725.00
e) Postage, Telephone and Communication Charges	23,11,341.00		35,94,542.00
f) Printing and Stationery	7,96,628.05		4,42,580.00
g) Travelling and Conveyance Expenses	46,71,298.00		1,34,00,718.82
h) Recruitment Expenses	1,17,105.00		4,07,794.00
i) Foreign Travel & Participation Fees Expenses	30,009.00		2,15,667.00
j) Strategic Initiative & Brand Expenses	8.00		6,99,000.00
k) Pre-Payment Auditors Remuneration	5,46,888.00		5,39,328.00
l) Hospitality Expenses	89,463.00		1,22,182.00
m) Legal & Arbitration Expenses	60,36,279.00		38,99,451.00
n) Interest on Late Payment & Penalties	8.00		350.00
o) Irrecoverable Balances Written-off	8.00		0.00
p) Conference, Meetings & Workshop Expenses	7,96,628.00		2,78,330.00
q) Professional & Consultancy Charges	21,85,937.00		9,25,091.00
r) DFR Preparation Charges	0.00		66,76,311.00
s) Advertisement and Publicity	71,39,563.00		60,65,080.00
t) Others (Guest House Expenses)	5,94,215.00		6,45,994.00
u) Internal Audit Fees	1,14,759.00		1,12,356.00
v) Bank Charges	83,086.18		83,345.99
w) Club Subscription	11,856.00		10,174.00
x) Welfare Expenses	1,43,840.00		54,038.00
y) CAG Audit Fees	1,50,000.00		2,47,790.00
z) Hindi Rajbhasha Parliamentary Meeting Expenses	5,95,667.00		3,45,314.00
<b>TOTAL</b>	<b>6,29,91,284.63</b>		<b>5,63,82,758.65</b>

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY: RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BARELI			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
SCHEDULE - 15 - PRIOR PERIOD ADJUSTMENT	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
<b>INCOME</b>			
Scholarship Refund	24,000.00	0.00	
DPR Charges (ITPS) Renowned	45,70,243.00	0.00	
Bank Charges	11,748.00	0.00	
Conference & Meeting Expenses	19,844.00	0.00	
Excess Provision of Gratuity Written Back	20,51,389.00	0.00	
Liability for Unpaid Bills Written Back	3,12,859.00	4,15,822.00	4,10,222.00
<b>EXPENDITURE</b>			
Miscellaneous Expenditure	0.00	4,53,000.00	
PF Admin Charges	0.00	8,161.00	
Book Grant & e-Journal	2,01,175.00	1,684.00	
Cultural & Sports Activities	0.00	41,024.00	
Lab Consumables	0.00	25,300.00	
Pens Revenue	52,000.00	0.00	
Honorarium to Visiting Faculties / Refund of Licence Fees	4,000.00	77,750.00	
Traveling & Conveyance	0.00	11,835.00	
Repairs & Maintenance (Equipment)	2,997.00	0.00	
Rent, Repairs & Maintenance (Other & OIDs)	0.00	45,47,217.00	
Student Fees Refunded	1,500.00	0.00	
Staff Welfare	250.00	0.00	
Legal & Professional Fees	40,443.00	28,585.00	
Overhead Charges Returned	0.00	1,42,421.00	
<b>NET PRIOR PERIOD EXPENDITURE</b>	<b>3,02,465.00</b>	<b>1,42,421.00</b>	<b>51,34,230.00</b>
	<b>66,47,638.00</b>		<b>-47,23,467.00</b>

*Signature*



**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAEBARELI**

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31<sup>ST</sup> MARCH 2016**

**SCHEDULE '17' – SIGNIFICANT ACCOUNTING POLICIES**

**1. Accounting Convention**

The financial statements are prepared under dual entry system under the historic cost convention and on going concern concept following the accrual method of accounting unless otherwise stated herein.

**2. Inventory Valuation**

Stores materials including stationery held at year end are valued at cost adopting FIFO method.

**3. Fixed Assets**

3.1. Fixed assets are stated at cost of acquisition less accumulated depreciation thereon and impairment loss, if any. The cost includes inward freight, duties and taxes, installation charges and other directly attributable expenses related to their acquisition.

3.2. Assets created out of research grants normally remain as property of the sponsoring authority in terms of sanction letter.

3.3. Land includes acquisition cost, registration and other related expenses and is capitalized on taking possession. Interim payments made on demand to Government Authorities for the purpose of acquisition of land are treated as Capital Advance, grouped under Capital Work in Progress.

3.4. Capital Work-In-Progress - Expenses incurred towards building under construction / civil work in progress/ equipments received but not installed/ capital advances against construction materials/ running bills payments during project construction stage towards contracts, consultancy services and project management / administrative expenses are grouped under Capital Work-In-Progress. Interest earned if any, on mobilization advance to contractor are adjusted from Capital Work in Progress.

3.5. The assets which are unserviceable condemned or out of use are written off only after approval by the competent authority of the institute.

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#### **4. Method of Depreciation**

4.1. Depreciation on fixed assets is provided on Straight Line Method on pro-rata basis at the rates arrived at based on the estimated useful life of the assets. In respect of assets fully depreciated and are in use, a residual value of Rs. 1 is retained in the books till it is discarded.

4.2. Expenditure on e-Journals is charged off pro-rata in Income & Expenditure account during the license period of the respective e-Journals.

#### **5. Depreciation Fund**

A Depreciation Fund is created by transferring equivalent amount of depreciation from Income & Expenditure Account, to facilitate suitable funding for replacement of assets as required in future. Interest earned from investment of Depreciation Fund is ploughed back to the Depreciation Fund at the year end.

#### **6. Miscellaneous Expenditure**

6.1. A.I expenses relating to renovation of rented premises including play grounds/ courts are accounted in Income & Expenditure Account in the year of incurrence.

6.2. Deferred revenue expenditure on account of RGPT Brand is written off over a period of 5 years from the year it is incurred.

#### **7. Capital Fund Grant**

7.1. Budgetary Support from Govt. of India and Grant from OADB / Promoting entities for campus project work are accounted on receipt basis and grouped under "Capital Fund." Interest earned if any, from bank on capital fund account' investment is accounted in Capital Fund account.

7.2. Depreciation charged on assets created out of Capital fund are treated as Deferred Income and transferred to Income and Expenditure Account every year on systematic basis over useful life of the assets.

7.3. The fund utilized for creating non-depreciable assets like land is treated as Capital Reserve.

#### **8. Corpus Fund**

8.1. Corpus Fund received is accounted on receipt basis and is grouped under Corpus Fund. Interest earned from investment of Corpus Fund in fixed deposits in banks, is utilized for meeting the recurring expenses.

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8.2. Interest earned from investment of Corpus Fund is accounted in Income and Expenditure Account and the surplus interest after meeting the recurring expenses, as lying invested in fixed deposit with Banks/ Non-tradable Government Securities is ploughed back to Corpus Fund.

**9. Foreign Currency Transactions**

Transactions denominated in foreign currency are accounted at the exchange rate prevailing as at the date of such transactions.

**10. Provisions, Prepaid**

10.1 All known liabilities exceeding Rs. 10,000/- up to the date of finalization of accounts are provided for.

10.2 Pre-paid charges/expenses exceeding Rs. 10,000/- incurred during the year are carried to next year and are duly considered in relevant future period.

**11. Investments**

11.1 Investments are held in the form of fixed deposits with Scheduled Banks or in non-tradable Govt. Securities.

11.2 No investments are made by the Institute in the tradable securities.

11.3 Investments are valued at cost.

**12. Revenue Recognition**

Interest earned on Fixed Deposits with Banks, income from Government Securities, student fees including entrance fees and other receipts are accounted for as and when due on accrual basis and are recognized as income of the Institute. Sale of discarded assets/terms etc. is accounted for on receipt basis.

**13. Retirement Benefits**

Retirement benefits in respect of Gratuity and Leave Encashment are provided for on the basis of actuarial valuation.

**14. Income Tax**

The Institute income is exempt from Income Tax under the provisions of Section 10(23C)(iii)(ab) of the Income Tax Act'1961 hence no provision is made for Income Tax.

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**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAEBARELI**

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31<sup>ST</sup> MARCH, 2016**

**SCHEDULE '13' – NOTES ON ACCOUNTS**

The Notes forming part of the Accounts giving inter-alia certain additional disclosures in respect of significant accounting transactions during the year and also highlighting the Institute's contingent liability and capital commitment as at 31<sup>st</sup> March, 2016 are as follows:-

1. The Receipt and Payment Account carries the amounts of actual receipts and actual payments of the institute during the year 2015-16. However, the recoveries under the various heads have been grossed up, e.g. salaries expenses have been grossed up on account of provident fund, income tax deductions, etc.
2. The Income & Expenditure Account and the Balance Sheet have been drawn from Receipt and Payment Account duly accounting for liabilities, prepaid expenses, advance payments and provisions as at end of the accounting year.
3. The financial statements have been presented as per Uniform Format prescribed for non-profit Central Autonomous Bodies and the treatment for capital funds, grants and endowment funds as recommended for non-profit organizations has been accounted.
4. Previous year figures have been regrouped/ rearranged in order to make them comparable with the current year figures.
5. While finalizing the Accounts for the year, necessary action has been taken to implement the recommendations of Government Audit.
5. In line with the recommended policy for non-profit organization in respect of accounting of Govt Budgetary Support (GBS) and Grants, the Institute has adopted the following significant accounting policy:
  - Budgetary Support received from Govt. of India and Grants received from OIDB / promoting entities for campus construction are grouped under "Capital Fund" in Schedule 1 along with the interest earned if any. Amounts grouped under Corpus Fund in Schedule 1 represent contribution received from Oil FSUs for meeting the recurring expenses from its interest and the transfer of excess of income over expenditure to the extent of surplus interest lying invested in Fixed Deposits/ non transferable Govt. Securities from Income & Expenditure Account

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- An amount of Rs. 31,11,20,043/- has been temporarily utilized during the year from the surplus of corpus fund of Raebareli, with the sanction of Ministry of Petroleum & Natural Gas (Letter No. J-2502/19/2015-Gen dated 11.9.2015) in order to meet the immediate RA Bill payment commitments of Jais Project construction. The above amount utilized will be replenished back to the corpus fund after the GBS for Jais is released to RGIPF. The above surplus corpus fund utilized has been included under 'Capital Fund' in Schedule I.
  - Depreciation on assets created out of capital fund is treated as Deferred Revenue Income and recognized in the Income and Expenditure Account every year on systematic basis over useful life of the assets. Accordingly, Rs. 1,72,43,382.00 being the Depreciation charged during the year has been transferred to Deferred Revenue Income.
  - The fund utilized for creating non-depreciable assets like land is treated as Capital Reserve. However during the year no non-depreciable asset has been created.
7. The provisions of Payment of Gratuity Act are applicable to the institute. Accordingly, based on Actuarial Valuation accumulated provision for Rs.1,26,51,430.00 has been made in the accounts towards retirement benefit for Gratuity and Leave Encashment, which is reflected in accounts under Schedule 5 - Current Liabilities and Provisions.
8. During the year excess of income over expenditure to the extent of the surplus interest lying invested in fixed deposit with banks/non-tradable government securities amounting to Rs. 3181 lakhs of Corpus Fund Assam have been ploughed back to the Assam Corpus Fund. The sum of Rs.2090 lakh is temporarily utilized during current year from the surplus accumulated interest in corpus fund of Raebareli as at 31.3.2015 for Jais construction purpose. The corpus fund surplus interest is reduced to the extent of utilization as at 31.3.2016.
9. As per the EPC Sanction (Ref. F.No.42024/6/2012-Gen.(Vol.II) dated 16.3.2015) with regard to Revised Cost Estimate of Jais Project taken by Department of Expenditure (Ministry of Finance), it is decided that RGIPF will confine its Jais Campus project in only 47 acres of land, as the acquisition of additional land by UPSIDC did not materialize. Consequent to this, the institute has applied to UPSIDC for refund of advance payment of Rs. 185.00 Lakh made during previous years as per their demand, for acquisition of land for Jais Campus. The amount is grouped under Loans & Advances under Schedule 9 as amount recoverable from UPSIDC.
10. A grant of Rs.20.64 crore was received during the year from OADB for the purpose of construction at Jais. This includes the balance of Rs.18.90 crore out of Rs. 25.00 crore which was earmarked for the purpose of Jais land procurement. This is consequent to EPC decision that the Jais campus will be constructed only on the available 47 acres of land (cost of which is Rs.6.10 crore). The diversion of balance fund for land towards construction purpose was made by OADB in accordance to Ministry of Petroleum and Natural Gas advise vice letter No.R-42024/6/2012-Gen.(Vol.II) dated 31.3.2015.

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11. The contract for civil & structural work awarded in June 2010 to M/s Punj Lloyd Ltd for an estimated contract value of Rs. 179,89,04,329/- had to be terminated in view of the contractor's failure to perform as per the agreed schedule. Prior to termination, the contractor raised certain claims not payable under the contract and on Institute's refusal to pay the claimed amount, the contractor invoked arbitration (as disclosed in Accounts under Contingent Liabilities along with institutes counter claim) which is currently ongoing. Current Liabilities and Provisions includes Rs. 5,27,27,202.00, the unpaid balance amount against the value of work done by the contractor, (which is adjustable against part payment of the Institute's claim pending for adjudication under arbitration)
12. In the year 2013-14 the above contract for Jais Campus project was awarded to M/s NOCL Limited on a Composite Contract value of Rs 301,54,61,252/- on an area of 9 Lakh sq.ft. The contractor has completed work to the tune of Rs. 225,33,89,296.00 till 31<sup>st</sup> March 2016 against which an amount of Rs. 12,19,42,847.00 is outstanding as payable to them for the month of March 2016 and has been disclosed under Schedule 5 - Current Liabilities and Provisions.
13. The EFC Note for ROE and the roll-over of Govt funding of the project from 11<sup>th</sup> to 12<sup>th</sup> Plan and sanction of the revised cost of the Jais Project was received on 16.3.2015 (F.No./2024/6/2012-Gen.(Vol. II) dated 16.3.2015). The total project cost sanction has revised to Rs.598 crore from previous sanction of Rs.435 crore. During the year MoPNG has released Rs.48 crore from CBS for Jais construction.
14. On the advice of Ministry of Petroleum and Natural Gas (vide letter No J-25011/19/2015-Gen dated 13.2.2016) a grant of Rs.23.50 crore is released to RGIPT during the year to be maintained for establishing Indian Institute of Petroleum and Energy (IIPE). The fund is to be transferred in full to IIPE after making adjustment of Rs.49,70,243.00 which was incurred by RGIPT on behalf of IIPE towards preparation of DPR for IIPE and IIT JEE Fee.
15. MoPNG in its meeting held on 14.2.2014 proposed to set up a centre of RGIPT in the area of Fire Engineering, Safety and Environment Research at Bangalore. The foundation stone for this centre was laid at Kambalipura (Bangalore) by Minister FNG on 5.3.2014. RGIPT has prepared DPR for this Bangalore Centre and submitted to MoPNG. These preliminary nature of expenses for Rs.30.16 lakh for the above purpose was incurred by RGIPT Raebareli and charged to its Income and Expenditure during 2013-14, as allocation of fund for the Bangalore Centre was under process with MoPNG. The expenditure of Rs.30.16 lakh will be written back in accounts of Raebareli and adjusted against the specific fund after it is released by the Government.
16. **Provision for Doubtful Debt.**  
Student Fee of Rs.4,12,500.00 was not collected from 3 MBA students (of 2010 batch) on sympathetic ground while they were continuing their study at RGIPT on the condition that they will repay the fee after getting employment. Out of the above amount Rs.40,000/- has been recovered and efforts are on to recover the outstanding amount of Rs.3,72,500. In the opinion of Government Audit the outstanding amount of Rs.3,72,500 should be provided for as doubtful debts since recovery of the outstanding dues from students is not certain. Accordingly, the outstanding amount has been provided for as Doubtful Debt under the head of Expenditure in the Income and Expenditure account, during the current year.

*[Signature]*





### 17. Contingent Liabilities

(a) The following claims by the Contractors are under dispute for which Arbitration process has been invoked against the institute and the liability towards which as on 31.3.2016 is un-ascertainable:-

- (i) Rs. 1,49,41,814.00 plus interest in respect of civil work of boundary wall at RGIFT Campus in Jais, against which RGIFT has lodged counter claim of Rs. 52,62,280.00 plus interest.
- (ii) Rs. 73,88,93,012.00 plus interest in respect of Civil and Structural Work of RGIFT Campus in Jais, against which RGIFT has lodged counter claim of Rs. 58,99,55,835/- plus interest.
- (iii) Rs. 10,49,29,892.00 plus interest in respect of Finishing & Façade work of RGIFT Campus in Jais.

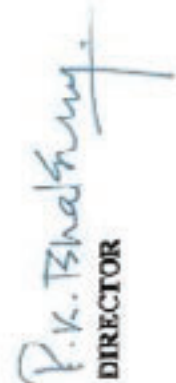
(b) An arbitration award for arrear salary (approx. Rs. 4.24 lakhs plus interest) against a claim from an ex-employee is under litigation in the Court of Law and no liability has materialized as on 31.03.2015.

(c) RGIFT has taken on lease premises from M/s ITI Ltd Rae Bareilly from 2008 with enhancement clause of 10% every two years. The contract period has expired in July 2013 at which time RGIFT was paying monthly rent of Rs.10,08,739/- to ITI as per terms of the contract. M/s ITI has made a demand of enhanced monthly lease rental of Rs.19,64,185/- in order to further renew the lease for the above premises. In the meantime RGIFT revised the monthly rental by 10% to Rs. 11,09,613/- according to terms of the lease signed in 2008. The monthly rent is being duly accepted by ITI Ltd. The matter of renewal of lease and fixation of rent is under discussion between RGIFT and ITI and no liability has materialized. Matter has also not been referred to any Authority for redressal.

### 18. Capital Commitments

RGIFT had awarded a Composite work contract for RGIFT Campus in Jais for Rs. 301.54 Crore out of which work of Rs. 226.39 Crore has been completed till 31<sup>st</sup> March 2016 and the balance capital commitment on this account is Rs. 75.15 Crore.

  
DY. REGISTRAR

  
DIRECTOR

  
PRESIDENT (BoG)

TYPE (Rtn) / HEAD (PIN.)

अनुसूची-॥

सीएजी का प्रतिवेदन

विद्यारत्नम् महद्भनम्



गोपनीय

RAP/IOC/RGIPT/47-5/2016-17/

संख्या / No. :

भारतीय लेखा तथा लेखापरीक्षा विभाग  
कार्यालय महानिदेशक वाणिज्यिक लेखापरीक्षा  
एवं पदेन सदस्य, लेखापरीक्षा बोर्ड-II,  
नई दिल्ली

**INDIAN AUDIT & ACCOUNTS DEPARTMENT**  
**OFFICE OF THE DIRECTOR GENERAL OF**  
**COMMERCIAL AUDIT & EX-OFFICIO MEMBER,**  
**AUDIT BOARD - II, NEW DELHI**

दिनांक / DATE \_\_\_\_\_

सेवा में,

सचिव, भारत सरकार,  
पेट्रोलियम और प्राकृतिक गैस मंत्रालय  
शास्त्री भवन, नई दिल्ली-110001

विषय: राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान के वर्ष 2015-16 के लेखों पर पृथक लेखा  
परीक्षा प्रतिवेदन।

महोदय,

मैं, राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान, रायबरेली के वर्ष 2015-16 के लेखों पर  
पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) तथा वार्षिक लेखाओं की प्रति प्रेषित कर रही हूँ। इस संबंध  
में कृपया सुनिश्चित करें कि पृथक लेखापरीक्षा प्रतिवेदन एवं सम्बन्धित लेखों को संसद के दोनों  
सदनों के सम्मुख प्रस्तुत किया जाए एवं अन्तिम रूप से प्रस्तुत करने की तिथि भारत के नियंत्रक  
एवं महालेखापरीक्षक के साथ-साथ इस कार्यालय को भी सूचित करें।

कृपया पत्र की प्राप्ति की सूचना दें।



भवदीया,

ह.

(नन्दना मुंशी)

महानिदेशक वाणिज्यिक लेखा परीक्षा  
एवं पदेन सदस्य, लेखा परीक्षा बोर्ड-II  
नई दिल्ली

संलग्नक:- यथोपरि।



1. पत्र की प्रति, सचिव, भारत सरकार, पेट्रोलियम और प्राकृतिक गैस मंत्रालय, को जारी की गई पृथक लेखापरीक्षा प्रतिवेदन की प्रति सहित निदेशक, राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान, रायबरेली को प्रेषित की जाती हैं।

न.मुंशी

(नन्दना मुंशी)

महानिदेशक वाणिज्यिक लेखा परीक्षा  
एवं पदेन सदस्य, लेखा परीक्षा बोर्ड-II  
नई दिल्ली

संलग्नक: यथोपरि

**CONFIDENTIAL**

**Separate Audit Report of Comptroller and Auditor General of India on the accounts of Rajiv Gandhi Institute of Petroleum Technology for the year ended 31<sup>st</sup> March 2016.**

1. We have audited the attached Balance Sheet of Rajiv Gandhi Institute of Petroleum Technology (RGIPT) as on 31 March 2016 and the Income and Expenditure Account / Receipts and Payment Account for the year ended on that date under section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Services) Act, 1971 read with Section 26 of RGIPT Act, 2007. RGIPT has been set up under Rajiv Gandhi Institute of Petroleum Technology Act 2007 which has come into force from 1 June 2008. The preparation of these financial statements is the responsibility of the Institute's management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms etc. Audit observations on the financial transactions with regard to compliance with the Laws, Rules and Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any, are reported through Inspection Report /CAGs Audit report separately.
3. We have conducted our audit in accordance with auditing standard generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and the disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, **we report that:**
  - i. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;

**CONFIDENTIAL**

- ii. The Balance Sheet and Income & Expenditure Account / Receipt and Payment Account dealt with by this report have been drawn up in the format approved by the Government of India.
- iii. In our opinion, proper books of accounts and relevant records have been maintained by the Institute in so far as it appears from our examinations of such books.
- iv. We further report that :-

**Grants-in-aid**

At the end of the year 2014-15, the Institute was having unspent balance of ₹ 21.54 crore. During the year 2015-16, the Institute received Grant of ₹ 68.64 crore and earned interest of ₹ 3.57 crore on unspent grant. Out of the total balance of ₹ 93.75 crore, it utilized ₹ 50.61 crore leaving an unspent balance of ₹ 43.14 crore as on 31.03.2016. Further as per directions of Ministry of Petroleum and Natural Gas, Institute has utilized ₹ 31.11 crore during the year from interest earned on unspent Corpus fund for payment of construction work which is to be replenished on receipt of Government Budgetary Support.

- v. Subject to our observations in the preceding paragraphs, we report that the balance sheet and Income & Expenditure Account/ Receipt and Payment Account dealt with by this report are in agreement with the books of Accounts.
- vi. In our opinion and to the best of our information and according to the explanation given to us, the said financial statements read together with the Accounting Policies and Notes on accounts, and subject to the significant matters stated above and other matters mentioned in Annexure give a true and fair view in conformity with accounting principles generally accepted in India.
  - a. In so far as it relates to the Balance Sheet, of the state of affairs of Rajiv Gandhi Institute of Petroleum Technology as at 31 March 2016; and
  - b. In so far as it relates to Income & Expenditure accounts of the surplus for the year ended on that date.

*N. Munshi*

(Nandana Munshi)  
Director General of Commercial Audit &  
Ex-Officio Member, Audit Board – II,  
New Delhi



**CONFIDENTIAL**

**ANNEXURE to SAR**

**1. Adequacy of Internal Audit System**

Institute did not have its own Internal Audit set up, Internal Audit manual has not been prepared by the Institute, however, Internal Audit for the year 2015-16 has been carried out by a Chartered Accountant Firm.

**2. Adequacy of Internal Control System**

Internal control system exists in the Institute and required procedures were being followed in accordance with rules and guiding principles of the institute as prescribed in the RGIPT Act of the Parliament.

**3. System of Physical Verification of Assets**

Physical verification of the Fixed Assets for the year 2015-16 was carried out on 31<sup>st</sup> March 2016. Nothing significant has been found.

**4. System of Physical Verification of inventory**

Institute is not maintaining any inventory as on 31.03.2016.

**5. Regularity in payment of Statutory Dues**

There were no statutory dues outstanding against the Institute during 2015-16.

  
Director (OIT)



विद्यारत्नम् महद्वनम्

**l E dZContact:**

रघुनाथ भट्टाचार्या Raghunath Bhattacharya

कार्यवाहक कुलसचिव Acting Registrar

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**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY (RGPT)**

रतापुर चौक, रायबरेली- 229316

Ratapur Chowk, Rae Bareilly- 229316

उत्तर प्रदेश, भारत

Uttar Pradesh, India

e-mail : registrar@rgipt.ac.in

Website : [www.rgipt.ac.in](http://www.rgipt.ac.in)



विद्यारत्नम् महोदयम्

**RAJIV GANDHI INSTITUTE OF  
PETROLEUM TECHNOLOGY (RGPT)**

# **ANNUAL REPORT** **of 171 i from** **2015-16**



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# DIRECTOR'S MESSAGE

I am privileged to present the Annual Report of RGIPT for the academic year 2015-16. It has been a year where simply by focusing on our objectives we could overcome some serious challenges. RGIPT has stayed true to its claim of being a research-focused institute as its faculty has carried out significant studies round the year. Apart from publishing several research papers in the journals of international repute, the faculties have received quite a few national awards (Hiyoshi Young Leaf Award 2016 from Hiyoshi Corporation of Japan and Subrata Ghosh Coal Petrology Award for 2015-16 from Mining, Geological and Metallurgical Institute of India).

Our students fare no less when it comes to achievements. They have won many prizes at the state and national level competitions (ISTE-IPCL Best M. Tech. Thesis Award, Best Paper Presentation Award at 1<sup>st</sup> South Asian Geosciences Student Conference, etc.) and represented RGIPT in international forums. Also, students at Rae Bareilly successfully organized its second Techfest, 'Khanij-2015' and Annual Cultural Fest, 'Kaltarang-2016' with full bang, which saw huge participation of students. Students' placement records have also significantly improved as most PSUs of oil and gas sectors visited for recruitments.

RGIPT organized its First Convocation in August 2015 in DRDO, New Delhi and we were honored to host the Chief Guest, Hon'ble Shri Dharmendra Pradhan, MoS (I/c) as well as the Guest of Honour, Shri K. D. Tripathi, Secretary, MoPNG. Institute also witnessed the changes at the top-level administration with the joining of new BoG President and Director. We are sure that with the help of board members, the institute would surely gain momentum towards making it a world class institute in the areas of oil and gas.

The construction of Jais campus has reached to its final stage, and we plan to start our academic activities at the new Jais campus from October/November, 2016. Ample space and infrastructure at Jais campus would enable us to introduce some more Undergraduate and Postgraduate programmes.

From a humble beginning of simply pursuing two Undergraduate Programmes (B. Tech. in Petroleum and in Chemical Engineering) and two Postgraduate Programmes (MBA in Petroleum & Energy Management and M. Tech in Petroleum Engineering) in 2008, RGIPT has taken a long stride and developed into a unique Domain Specific Educational & Capability Building Centre, offering Ph.D. program in science and engineering.

We are forever grateful to the MoP&NG, OIDB, General Council, Board of Governors, Finance Committee, Academic Senate and our patrons, the Oil & Gas Companies who extend more than just a helping hand by partaking in our academics and governance as well.



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

A handwritten signature in blue ink, appearing to read 'P.K. Bhattacharya', with a stylized flourish at the end.

**Prof. P. K. Bhattacharya**  
March 31, 2016

# ORGANIZATIONAL STRUCTURES

## GENERAL COUNCIL

### CHAIRPERSON

Secretary, Ministry of Petroleum & Natural Gas, Government of India

### MEMBERS

- Chairman, Indian Oil Corporation Limited
- Chairman & Managing Director, Bharat Petroleum Corporation Limited
- Chairman & Managing Director, Hindustan Petroleum Corporation Limited
- Chairman & Managing Director, Oil and Natural Gas Corporation Limited
- Chairman & Managing Director, GAIL (India) Limited
- Chairman & Managing Director, Oil India Limited
- Chief Executive Officer, Reliance Industries Limited
- Chief Executive Officer, Cairn Energy India Limited
- Chief Executive Officer, Shell India Limited
- Chief Executive Officer, Essar Group
- Director General, DGH
- Principal Advisor (Energy), Planning Commission
- Executive Director, Oil Industry Safety Directorate
- Director, Indian Institute of Technology Kanpur
- Director (Vice-Chancellor), Institute of Chemical Technology, Mumbai
- Secretary, Oil Industry Development Board
- President, Rajiv Gandhi Institute of Petroleum Technology BoG
- Director, Rajiv Gandhi Institute of Petroleum Technology

## BOARD OF GOVERNORS

**Prof. K. B. Akhilesh**  
President, RGIPT

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

**Dr. A. H. Kalro**  
Provost, Ahmedabad University

**Shri D. D. Mishra**  
Director (HR), ONGC Limited

**Dr. Deepak Kunzru**  
Professor, IIT Kanpur

**Shri Prabhat Singh,**  
Director (Marketing), GAIL (India) Ltd

**Shri M. B. Lal**  
Former C&MD, HPCL

**Dr. P. K. Saraswati**  
Professor, Indian Institute of Technology Mumbai

## ACADEMIC SENATE

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

**Prof. S. P. Mehrotra**  
Indian Institute of Technology Gandhinagar

**Prof. K.N. Singh**  
Indian Institute of Management Lucknow

**Prof. U. S. Prasad**  
Visiting Professor, RGIPT

**Prof. S. K. Mishra**  
Visiting Professor, RGIPT

**Prof. C. K. Jain**  
Visiting Professor, RGIPT

**Shri C.V. Singh**  
Tata Motors (Retd.)

## FINANCE COMMITTEE

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

**Shri Alok Chandra**  
Ministry of Petroleum & Natural Gas

**Dr. S. S. Yadav**  
Head, Department of Management Studies,  
Indian Institute of Technology Delhi

**Dr. A. H. Kalro**  
Provost, Ahmedabad University

**Shri M. B. Lal**  
Former C&MD, HPCL



# About RGIPT

The Ministry of Petroleum & Natural Gas (MoP&NG), Government of India has set up Rajiv Gandhi Institute of Petroleum Technology (RGIPT) at Jais, Dist. Amethi, Uttar Pradesh through an Act of Parliament (“Rajiv Gandhi Institute of Petroleum Technology Act 2007”). RGIPT has been accorded the eminence of being an “Institute of National Importance” along the lines of IITs. The Institute is empowered to award degrees in its own right. RGIPT is co-promoted as an energy domain specific institute by six leading Oil PSUs namely ONGC, IOCL, OIL, GAIL, BPCL and HPCL in association with the Oil Industry Development Board (OIDB). The Institute is associating with leading International Universities/Institutions specializing in the domain of Energy Management.

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 & Energy sector. The aspiration is to develop India as a global manpower hub for the entire Petroleum and Energy Sector.

RGIPT has an ambitious plan, to offer a number of Bachelor’s Degree and Master’s Degree programmes, PG Diploma courses and Doctoral programmes in Petroleum Technology and Management, in phases. It has started its academic activities from 2008 with 2 Undergraduate and 2 Post Graduate Programmes and added other courses subsequently.

The ‘RGIPT Act’ has set the key objectives for the institute as follows:

- a. Nurture and promote quality and excellence in education and research
- b. Extend academic and research programmes leading to award of the Bachelor’s, Master’s and Doctoral Degrees in Engineering and Technology management, sciences and arts.
- c. Grant degrees, diplomas, certificates, academic distinctions or titles, honorary degrees and award fellowships, scholarships, prizes and medals
- d. Promote research and development for the benefit of the oil and gas industry
- e. Foster close educational and research interaction through networking with national, regional and international players in the oil, gas and petrochemical industry.
- f. Organize national and international symposia, seminars and conferences
- g. The RGIPT Act provides that the President of India will be the Visitor of the Institute and the authorities of the Institute shall vest with:
  - i. The General Council, Secretary, MoP&NG as Chairperson;
  - ii. The Board of Governors;
  - iii. Finance Committee;
  - iv. The Senate and such authorities as declared by Statutes of the Institute

## VISION & MISSION OF RGIPT

- To create learning aspirations among the youth of the country towards the Oil & Gas sector
- To serve as a fountainhead for nurturing of world-class human capital, capable of being the future leaders of technology and innovation, not only in India but also abroad
- To provide education, research and consultancy for the entire hydrocarbon value chain

## Academic Programmes

The objective of RGIPT is to promote capacity building in competencies required in the hydrocarbon sector covering the entire value chain. To this end, RGIPT offers programmes of education and research at the Graduate and Post Graduate level in various areas of the petroleum and energy sector.

RGIPT has also an ambitious plan to offer seven B. Tech. Programmes, two 5- years Integrated M. Sc./ MBA Programmes, two M. Sc. Programmes, 12 Masters (M. Tech./ M. Sc./ MBA) Programmes of 2- years duration, 12 Domain Specific PG Diploma Programmes of 1-year duration, Doctoral Programmes in various disciplines, and continuing education programmes for working professionals in phases.

Currently, RGIPT is offering 2 Undergraduate, 3 Postgraduate Programmes and Ph.D. in Basic Sciences, Management and Engineering disciplines. These Programmes are:

### Undergraduate Programmes

- B. Tech. in Petroleum Engineering (4-Year Full Time Programme, Seat- 40)
- B. Tech. in Chemical Engineering (4-Year Full Time Programme, Seat- 35)

**Admission Process:** Through IIT JEE (Advanced) ranking of respective year

**Educational Qualification:** The candidates should also have minimum 60% marks in aggregate (55% in case of SC/ST) in class 12th (PCM) or equivalent examination

### Postgraduate Programmes

- M. Tech. in Petroleum Engineering (2-Year Full Time Programme, Seat- 10)
- M. Tech. in Chemical Engineering (2-Year Full Time Programme, Seat- 10)

**Admission Process:** Through GATE Score followed by Written Test and Personal Interview

**Educational Qualification:** A 4-Year B. Tech./ B.E. degree in Petroleum Engg., Petro-Chemical Engg., Production Engg., Chemical Engg., Mechanical Engg., Industrial Engg. and Manufacturing Engg.

- MBA in Petroleum & Energy Management (2-Year Full Time Programme, Seat-50)

**Admission Process:** Through CAT/GMAT Score followed by Personal Interview

**Educational Qualification:** Minimum 60% in aggregate (55% for SC/ST) in class 10th and 12th, having Mathematics as one of the subjects in 12th and a 4-year B. Tech./ B.E. degree in any branch of engineering with 65% marks or CPI of 7.0/10.0 or above

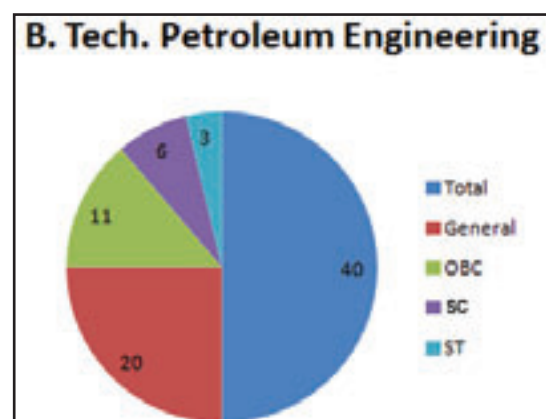
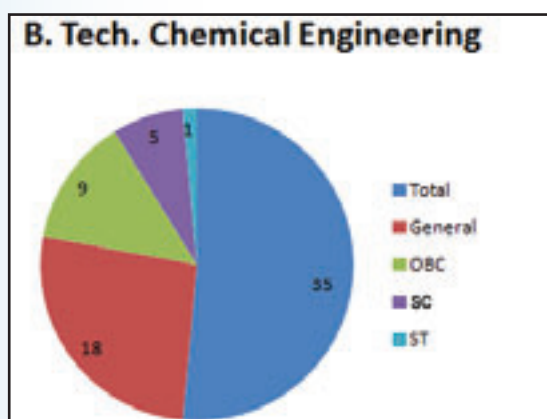
### Doctoral Programme

- Ph.D. in various Engineering disciplines, Basic Sciences and Management Studies

**Admission Process:** GATE Score/CSIR-NET followed by Interview

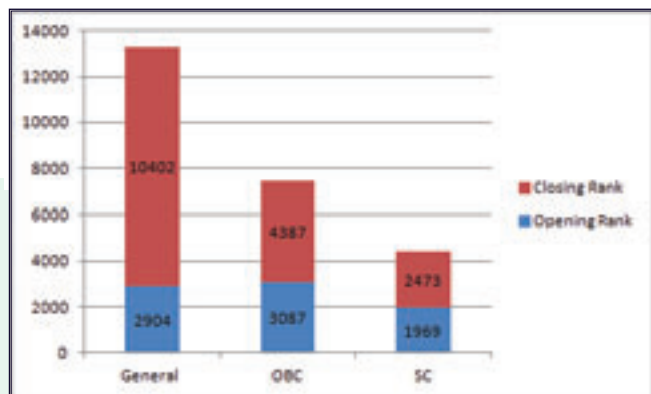
### Admission to Academic Session 2015-16

RGIPT follows strict screening processes in admission to various Undergraduate, Postgraduate and Doctoral Programmes to attract bright students. Institute uses JEE Advanced Ranking, conducted by IITs, of respective year to admission in Undergraduate programmes- B. Tech. in Chemical and Petroleum Engineering. In the year 2015, total 33 students took admission in Chemical Engineering and 40 in Petroleum Engineering. In the admission, representations have been provided to the candidates belonging to OBCs, SCs and STs Categories as prescribed by Government of India. The category wise representations in admission to undergraduate programmes have been shown in the charts as under:

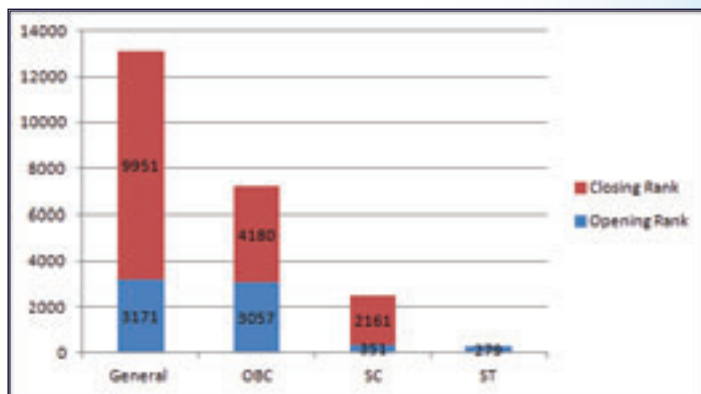


The data analysis of last 5 years shows that candidates preferred Petroleum Engineering over Chemical Engineering as their first choice in admission considering the job prospects. The candidates ranks in JEE Advanced- 2015 and their course choices are depicted hereunder:

Admission in M. Tech. programmes is provided based on GATE Score and performance in Written Test and Personal Interview. In the academic year 2015-16, total five candidates took admission in 2-year M. Tech. (Petroleum Engineering) programme and 9 in Doctoral programmes.



**B. Tech. (Chemical Engineering)**



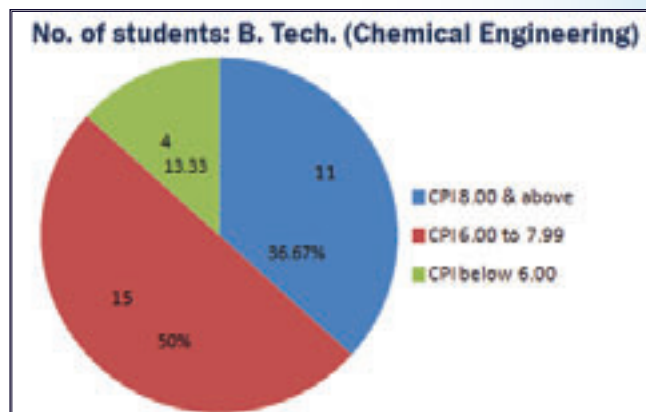
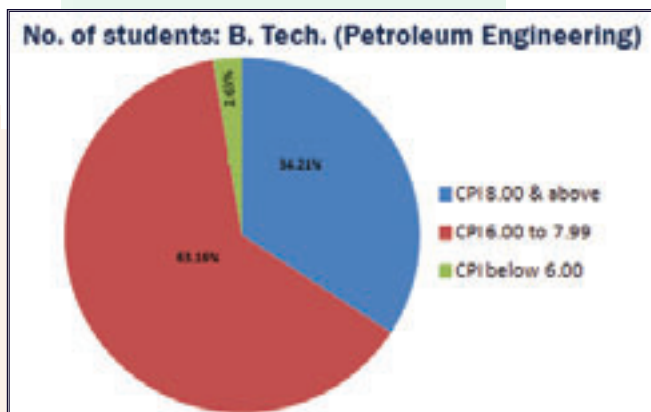
**B. Tech. (Chemical Engineering)**

### Graduation of 2015 batch of students

RGIPT has been established in the year 2008 with the objective to fulfill the learning aspiration of youth and develop a pool of trained Engineers and Managers for Energy Industry. Since inception, RGIPT has been working hard to create world class learning environment to achieve academic excellence and faculty at RGIPT are putting their best to equip undergraduate and postgraduate students with technical and soft skills that would empower them to

perform extremely well in their corporate roles. The batch of 2015 of B. Tech. (Petroleum Engineering and Chemical Engineering), M. Tech. (Petroleum Engineering and Chemical Engineering) and MBA (Petroleum & Energy Management) graduated with full bang.

Academic performances of undergraduate batch graduated in 2015 have been shown in diagram as under:



## Students' Placements Status (2015-16)

### B. Tech. in Chemical Engineering (No. of students: 38)

S. No.	Name of the companies	No. of students selected	Category wise distribution of selected candidates			
			General	OBC	SC	ST
1	Petronet LNG	4	4			
2	BPCL	3	1	2		
3	Haldia Petrochemicals Ltd.	3	3			
4	Oil India Limited	2	2			
5	IOCL	4	1	1	1	1
6	Avanti Learning Center	1	1			
Total no. of placed students		17	12	3	1	1

### B. Tech. in Petroleum Engineering (No. of students: 40)

S. No.	Name of the companies	No. of students selected	Category wise distribution of selected candidates			
			General	OBC	SC	ST
1	Shell India	5	4		1	
2	Adani Gas Ltd.	4	2	1	1	
3	Oil India Limited	1		1		
4	Wipro	2	2			
5	IOCL	2	1	1		
Total no. of placed students		14	9	3	2	

## MBA in Petroleum & Energy Management (No. of students: 16)

S. No.	Name of the companies	No. of students selected	Category wise distribution of selected candidates			
			General	OBC	SC	ST
1	BPCL	1	1			
2	Tech Mahindra	2	2			
3	HPCL	3	2		1	
4	Adani Gas Ltd.	2	2			
5	IOCL	4	2	1	1	
6	Globus Spirits	1	1			
Total no. of placed students		13	10	1	2	

## M. Tech. in Petroleum Engineering (No. of students: 10)

S. No.	Name of the company	No. of students selected	Category wise distribution of selected candidates			
			General	OBC	SC	ST
1	Oil India Limited	1	1			
Total no. of placed students		1	1			

## Teaching & Research Infrastructure

The institute is currently functioning from the two campuses- Academic activities from FGIET campus and Residential campus at ITI Township.

### Petroleum Reservoir Engineering Lab



Petroleum Reservoir Engineering Laboratory has been set up for Petroleum Engineering students to find out the reservoir properties of the formation. To provide hands-on-training to students, following equipments are available at lab:

- Liquid Permeameter
- Gas Permeameter
- Saturation type porosity meter
- Core Plug Drill Press
- Core grinding and cutting machine

### Drilling Fluid and Cementation Lab

Drilling Fluid and Cement Laboratory has been developed for the students of Petroleum Engineering for the testing of properties of drilling fluid (Mud) to be used for the circulation in the bore well. This lab is equipped with following equipments:

- Multi speed VG viscometer
- Fitter press
- Mud balance
- pH meter
- Sand content measuring tube
- Marsh funnel viscometer
- Shearometer

### Exploration and Prospecting Laboratory

RGIPT has established an exploration and prospecting lab with state-of-the-art technologies. There are thirteen 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 6GB memory. Large size of memory helps in better visualization of 3D seismic datasets. Each workstation is attached with two monitors (24 inches each) via HD cable. Seismic Micro Technology has donated KINGDOM software to the institute. The software is being used for teaching seismic data analysis for reservoir characterization.

### Geo-Science Laboratory

In Geo-Science Lab, rocks and minerals like- Abelsonite, Abhurite Albite, Borax, Talc, Zysper, Bio-tide 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.

### Surveying Lab

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

### Petroleum Product Testing Laboratory

It has been developed for Chemical Engineering students and is equipped with conventional and modern equipment such as Abel's testing equipment, Cloud & pour point, Redwood viscometer, Copper strip corrosion test apparatus etc. It helps students to develop the basic concept of Petroleum Product Testing in energy sector.

### Physics Laboratory

Physics Laboratory has been set up to illustrate phenomena in different areas of Physics and to expose students for the different measurement and error analysis techniques. It helps students to construct the basic concept of Physics, utilized in Petroleum and Refining Engineering and in energy sector.

### Non-Conventional Energy Laboratory

Non-Conventional Energy Laboratory has been set up to train and educate young engineers about the alternate source 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.

Additionally, it will also be an in-house R&D center to focus on different aspects of solar thermal energy devices. The lab is well equipped with instruments like Differential Scanning Calorimeter (DSC), Data Acquisition Unit and other relevant apparatus.

### Chemical Engineering Laboratory



RGIPT has procured latest equipment to set-up two Chemical Engineering Unit Operation Laboratories. The two laboratories cover most of the Chemical Engineering areas such as Reaction Engineering, Heat Transfer, Mass Transfer, Fluid Flow, Fluid Particle Systems, Thermodynamics & Process Dynamics and Control.

### Polymer Laboratory

Dr. Umaprasana Ojha and Dr. Debashis Panda have established a chemistry research laboratory for pursuance of their independent and collaborative research. Dr. Ojha, an Organic Chemist with expertise in Polymer Engg will perform research in the area of synthesis and characterization of novel nano- structured materials with potential application in gas storage, purification and photo-voltaic. Dr. Panda, an Experimental Physical Chemist with expertise in Biophysics & Nano-materials, will carry out research in the area of Bio-Nano materials with profound application in Bio-fuel. The laboratory is fully equipped with basic instruments to deliver quality research.

### IT Lab

IT lab is equipped with software for upstream and downstream sectors of petroleum industry. These include MATLAB, MAPLE, AutoCAD Civil 3D, ASPEN Plus, ANSYS, Fluent CFD, UT-Chem,

Geo-EAS, CMG Software, KINGDOM Suite, Gaussian & Gauss view, Real Work Studio, Adobe Acrobat X, Engineering Equation Solver (EES), Trimble, Comsol, etc.

### Central Library

Central Library has been established in limited space at ITI Township near to students' hostel to ensure the optimal utilization of learning resources. It consists specialized collection of books, journals, technical reports, online journals, databases, etc. in the field of Petroleum and Chemical Engineering, Energy, Industrial safety, and related subjects. The Print collection of the library is being developed considering the immediate teaching and research requirements of the students and faculty. It has over 6000 books and subscribes to requisite journals.

Central Library has been automated using SOUL Version- 2.0 Integrated Library Management Software of INFLIBNET (UGC) to provide real time access to students, faculty and staff members, which can be accessed through: <http://14.139.251.149/webopac/> or [www.rgipt.ac.in](http://www.rgipt.ac.in). The collection of books available in Central Library has been categorized as under:

S. No.	Library Name	Book/ Journals / Magazines
1	Central Library, Rae Bareli	a. Books: 5666 b. Printed Journals: 10 c. Online Journals: 18 d. Magazines: 11
2	Library , NOIDA	a. Books: 1127 b. Magazines: 05 c. Online Journals: 02
3	Children Library, Rae Bareli	a. Books: 315 b. Magazine: 01

## Project Activities

### Jais, Amethi District

RGIPT has taken up construction of its own campus at Jais, Dist- Amethi, about 28 km away from Rae Bareilly in U.P. RGIPT has in its possession about 45 acres of land on the Rae Bareilly-Sultanpur State-Highway, purchased from Indian Oil Tanking Ltd. The civil work contract for Phase- I construction of the campus was awarded in June 2010 after obtaining environment clearance. Engineers India Ltd (EIL) has been engaged as Project Management Consultant. In the 1st phase of construction, following facilities have been planned on 13.5 lakh Sq. ft.:

- Students' hostels
- Academic building comprising of faculty blocks, lecture halls, etc
- Administrative Block
- Visitors' Hostel, Medical Centre and Commercial Complex
- Residential blocks for faculty and staff, etc.

The Civil Contractor delayed the civil structural work at site mainly due to inadequate resource mobilization. Even after extension of the contract period till 31st March, 2013, the progress of the work was only about 42%. In view of the failure of the contractor to achieve the changed plan targets set, the contract for the civil structural work was terminated in May 2013 (the claims of the respective parties are under Arbitration).

A fresh contract for a Composite Package of work with the revised scope for Civil, Structural & Finishing, Electrical, Water supply, Plumbing, Landscaping etc, was awarded by RGIPT on 2nd September 2013. The overall completion of the project will be achieved by October/November 2016.

### Assam Centre

With a view to supplement its on-campus academic offerings, RGIPT has taken up the mission of establishing a constituent academic center in the State of Assam mainly catering to the spawning needs of skilled manpower for petroleum sector. The

foundation stone of RGIPT Assam Centre at Sivasagar was laid by then Prime Minister Dr. Manmohan Singh in February' 2011. The academic offering of Assam Centre will include education and training of skilled technical manpower at the certificate, diploma and advance diploma levels. Also, there will be Integrated Dual Degree (B.Sc.-M.Sc.) Programmes and Continuing Education Programmes in the domain of the petroleum sector as per requirements of the oil, gas and petrochemical industry.

The diploma programmes will include Mechanical Engineering, Electrical Engineering, Laboratory Technology and Instrumentation Technology. The advance diploma programmes will be on Drilling Technology, Pipeline Engineering and Petroleum Operation. A student population of 630 students is envisaged at the end of sixth academic year. The Assam Centre of RGIPT would be a fully residential institute with housing being provided on a self-contained campus at the selected site, for 100% of the students and faculty.

For progressing the campus construction work Site Survey and the Geotechnical investigation work have been completed. The site was in low lying area and therefore required substantial earth filling and piling work, which has been completed. The timelines of the project is under review.

### Bangalore Centre

RGIPT is setting up a 'Fire Safety Engineering and Process Safety Research Centre' in Bengaluru, Karnataka. This centre will have state-of-the art facilities and world-class infrastructure for imparting academic and training programmes on Fire Safety Engineering and Process Safety. It will be set up in collaboration with the Texas A&M University, USA and a MoU has already been signed for this purpose. Then Union Minister Petroleum & Natural Gas Dr. M. Veerappa Moily laid foundation stone of the centre on March 5, 2014. Government of Karnataka has allotted 150 acres at Village Kambalipura, Hoskote Taluk, Bangalore Rural Dist., Karnataka to develop this safety centre in Bengaluru. This will be RGIPT's third campus in the country. EFC note is under process.

## FINANCIAL OUTLAY AND FUNDING

For the construction of the RGIPT campus at Jais, the approved capex of Rs. 435.00 Crores is funded as follows:

- Rs 285.00 Crores through Budgetary Support from Government of India and
- Rs 150.00 Crores as grant from Oil Industry Development Board (OIDB).
- In respect of Assam Centre, OIDB and Oil PSUs (ONGC, IOCL, GAIL, OIL, EIL and NRL) are funding the approved capex of Rs. 143.00 crores in the ratio of 65:35.

Capex incurred by RGIPT until 2014-15 are detailed as follows (Rs. in Lakhs):

Period	Rae Bareli Campus	Jais		Assam		Total Capex
	Assets	Land	Construction	Land	Construction	
Till 31.03.2015	1528.52	631.52	12900.49	60.98	1970.43	17091.95
2015-16	98.33	0.00	13860.54	0.00	708.46	14667.33
<b>Total</b>	<b>1626.85</b>	<b>631.52</b>	<b>26761.03</b>	<b>60.98</b>	<b>2678.89</b>	<b>31759.28</b>

The recurring expenditure of Rae Bareli / Jais set ups of the Institute are largely met out of the interest being earned on Endowment Fund of Rs 250.00 crores contributed by major Oil PSUs (ONGC, IOCL, BPCL, HPCL, OIL and GAIL). In respect of Assam Centre, Rs. 182.00 Crores has been approved as Endowment Fund to be contributed by ONGC, IOCL, GAIL, OIL, EIL and NRL, the interest earning of which will be utilized for recurring expenses of the Centre.

## Happenings at RGIPT

### Prof. K. B. Akhilesh appointed as President of Board of Governors

Prof. K. B. Akhilesh, Senior Professor, Department of Management Studies at Indian Institute of Science (IISc) Bangalore has been appointed as 2nd President of RGIPT Board of Governors. The appointment was made by the Ministry of Petroleum & Natural Gas, Government of India for a period of three years with effect from November 20, 2015.



Prof. Akhilesh is a Senior Professor of Human Resource Management, Organizational Behaviour and Technology Management at IISc Bangalore. He has published over 140 papers in Indian and international journals and authored 12 books successfully. His recent book is 'R&D Management'. He is also an Honorary Dean at SVYASA (Yoga University) and coordinator for M. Tech. programme for Technology Management at Defense Institute of Advanced Technology. He did his Ph.D. from IISc with a gold medal. He has successfully guided over 30 doctoral students.

He is also a member of Academy of Management, USA, National Institute of Personnel Management, National HRD Network and others. He is also a member of National Board of Accreditation, AICTE. He was honored for his life time contributions to HR by NIPM.

As the President of the Board of Governors, Prof. Akhilesh will preside over all Board meetings, help promoting the policy advocacy priorities of the Institute. In this capacity, he will also advise the Board of Governors and senior RGIPT management on issues pertaining to academic administration.

### Prof. P. K. Bhattacharya appointed as new Director

Prof. P. K. Bhattacharya has taken over the charge of 2<sup>nd</sup> Director of the on January 16, 2016 from Prof. J. P. Gupta. Prior to this, Prof. Bhattacharya was the Emeritus Fellow in Department of Chemical Engineering at IIT Kanpur. He has also been the Head of Department of Chemical Engineering and Chairman of IIT JEE-2010 at IIT Kanpur. He did his Ph.D. from IIT Bombay. Prof. Bhattacharya is having close to four decades of teaching, research and administrative experience at various levels and known for his deep involvement in research and development works.

He also won several awards, such as Hiyoshi Think of Ecology Award (2009), Herdillia Award (1998), Chemical Engineering R&D Award (1996), Chemical Engineering R&D Award (1996) for his contribution to academic world and received patent on the 'Process for the Recovery of Inorganic Compounds from Kraft Liquor'.

### Appointment of Associate Deans

Three Associate Deans have been appointed in consultation with faculty members to strengthen the academic administration and fix the problems arising time-to-time on real time basis. They will lead the departments of Academic Affairs, General Affairs and Students' Affairs and advise Director on policy formulation and implementation. These appointments have been made on adhoc on seniority basis. The Deans are:

- |                    |                   |
|--------------------|-------------------|
| 1. Dr. U. Ojha     | Academic Affairs  |
| 2. Dr. S. K. Sinha | General Affairs   |
| 3. Dr. A. K. Singh | Students' Affairs |

### RGIPT Cultural Fest 'Kaltarang-2016'

RGIPT Students' Cultural Committee organized a 3-day cultural fest 'Kaltarang- 2016' from 19-21 February, 2016. Chief Guest Shri Prabhat Singh, MD & CEO- Petronet LNG, Guest of Honour Shri H. K. Singh, ED- IDT, ONGC Ltd. and Prof. P. K. Bhattacharya, Director- RGIPT inaugurated the fest. While addressing the participants, Chief Guest Shri Prabhat Singh said, cultural event like 'Kaltarang' on campus provides opportunity to participants to learn the best of each other. It also nurtures team spirit and leadership skill in students. Guest of Honour Shri H. K. Singh, Executive Director, IDT- ONGC appreciated the efforts made by students to organize this 3-day event on campus.

Prof. P. K. Bhattacharya, Director-RGIPT said though the institute has been providing all supports to students to organize cultural programmes on campus. However, it would be encouraged if students start raising the fund to attain the financial autonomy of students' community, which are important in the growth of professional personality development. He hoped that such approach would enhance the growth of their overall personality development.

In this 3-day cultural programme, participants of NIPER, NIFT, FGIET, IGRUA, SHAITS Allahabad and MNIT Allahabad attended along with host RGIPT in events like Antakshari, Band wars, Cyber Gaming, Debate, Extempore, Fashion show, Fine Arts, Group dance, Group discussion, Group song, Poetry, Quiz, Rap war, Solo song, Stage play, Street play, Solo dance, sports events, etc.

## RGIPT organizes First Convocation

### RGIPT celebrates its First Convocation

Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Rae Bareilly organized its First Convocation on 19th August, 2015 at DRDO Auditorium, New Delhi. Shri Dharmendra Pradhan, Hon'ble Minister of State (Independent Charge), Ministry of Petroleum & Natural Gas (MoPNG) and Shri Kapil Dev Tripathi, Secretary, MoPNG, graced the occasion as Chief Guest and Guest of Honor, respectively. Prof. J. P. Gupta, Acting President- Board of Governors & Director RGIPT presided over the function and presented the Institute's Report. The programme started with lighting of lamp by Chief Guest, Guest of Honour, Director-RGIPT and other dignitaries followed by Saraswati Vandana.

On the occasion, Chief Guest Shri Dharmendra Pradhan, Mos, MoPNG, awarded six students with the President's Gold Medals, while Guest of Honor, Shri Kapil Dev Tripathi awarded 16 students with Institute's Silver Medals. In total, 260 Undergraduates and 185 Postgraduates were awarded degrees at the grand ceremony.

While Presenting the Institute's Report, Prof. J. P. Gupta congratulated the graduating students and urged them to make every possible effort to live up to the expectations and aspirations of the nation. He further asserted that the graduates of RGIPT would go out equipped with new values, ethics, and will work hard to meet the challenges the world is facing and ensure an enlightening future. He further said that RGIPT is making all efforts to make 'Skill-India' a successful initiative by providing

computer training to nearby village students at RGIPT on weekends. He also briefed about the progress of RGIPT campuses at Sivasagar, Assam and Bengaluru, Karnataka. He said that courses to be offered from Sivasagar, Assam centre have been aligned with North-East Policy of India to train and empower local youths of the areas. RGIPT is also engaged in organizing health check-up camps in nearby villages under the banner of 'Arpan'-RGIPT Social Wing as part of 'Healthy India'.

While addressing the students, Shri Kapil Dev Tripathi Ji said that knowledge is the greatest wealth on earth and RGIPT is making all efforts in imparting sector specific knowledge to youths. All students should keep themselves in touch with new technology. He further said that being a domain specific centre for energy industry, RGIPT is offering Executive Development Programmes along with regular courses and has plans to train youths for blue color jobs from upcoming Sivasagar, Assam campus.

Delivering the Convocation Address, Chief Guest Shri Dharmendra Pradhan Ji said that RGIPT has been set up by our ministry to provide specialized training in the areas of energy to youths and institute is working hard to justify the nation's trust. He further said that RGIPT would be the driving force of this ministry for R&D works in energy sectors and all efforts will be made to develop it as a world-class institution. He requested oil PSUs to help RGIPT in students' trainings and placements, so that young engineers and managers could contribute creatively in nation building. He also advised that construction work at RGIPT Jais campus should be expedited to start academic activities from there as early as possible.



Dignitaries sitting on the dais during RGIPT First Convocation Ceremony (Left to Right) Front row: Shri Kapil Dev Tripathi Ji, Secretary, MoPNG, Shri Dharmendra Pradhan Ji, Hon'ble Minister of State (Independent Charge) MoPNG and Prof J P Gupta President & Director- RGIPT

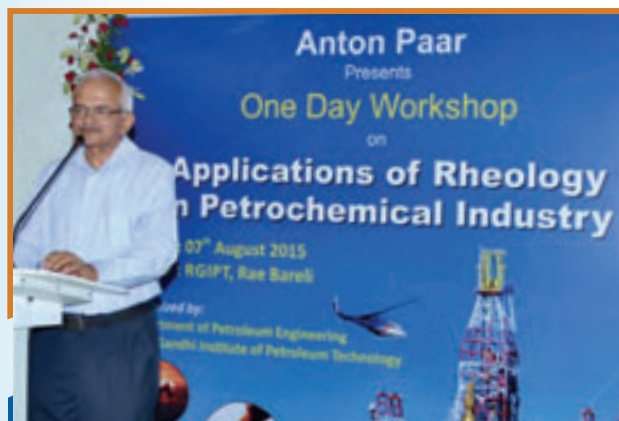
### Blood Donation Camp at RGIPT

RGIPT social club 'Arpan' organized Blood Donation Camp on March 5, 2016 in association with Indian Red Cross Society Rae Bareli and SGPGI Lucknow. RGIPT students' chapter of SPE had sponsored the camp for the noble cause of society. It was inaugurated by Shri Suryapal Gangwar, DM, Rae Bareli. While addressing the students on the occasion, Shri Gangwar said that blood donation is the most respected social service, which saves life; therefore, students should come forward to

make this initiative successful and serve the society. On this occasion, Dr. Rajendra Chaudhary from SGPGI, Shri Ganesh Kumar, District Coordinator and Shri Pankaj Kumar from Indian Red Cross Society Rae Bareli, RGIPT faculty coordinator of Arpan Dr. U. D. Dwivedi, Associate Dean- Students' Affairs Dr. A. K. Singh, President-Arpan Mr. Apoorva Upadhyay and other students, faculty and staff were also present. More than 100 students, faculty and staff of RGIPT, NIFT, FDDI, FGIET and NIPER came forward and donated blood for the cause of social service.



### One-day workshop on “Applications of Rheology in Petrochemical Industry”



Prof. J. P. Gupta, Director, RGIPT delivering the inaugural address

One-day workshop on “Applications of Rheology in Petrochemical Industry” was organized on 7<sup>th</sup> August, 2015 at RGIPT, Rae Bareli. The workshop was conducted in collaboration with “Anton Paar”, a leading firm engaged in the production of high-quality measuring and analysis instruments used in multiple research labs and various industries. Rheology is one of the promising areas to work in and recently been introduced to address the plethora of challenges coming up daily before oilfield personnel. The workshop had been designed considering the technical requirements and understanding needs of both upstream and downstream students of RGIPT.

It covered the fundamental aspects of petro-chemical rheology including an introductory lecture on the “Basics of Rheology” by Mr. Dharmesh Gala coupled with another two enlightening sessions on “Petro-chem Material Rheology” & “Polymer Rheology”. The lectures helped the students and faculty alike in basic understanding of Rheology and its meaning to industry. Thereafter, Anton Paar demonstrated various cutting-edge equipment such as Rheometer, Density meter and Refractometer used in hydrocarbon industries. Dr. Tushar Sharma, Assistant Professor, Petroleum Engineering coordinated the programme.

## Students Development Programmes

### 'Corporate Employability Assessment Test' (CEAT) for graduating students

RGIPT Placement Cell organized a 'Corporate Employability Assessment Test' (CEAT) in collaboration with *Fresherworld.com* on July 30, 2015 for B. Tech. and M. Tech. students, graduating in 2016. Total 79 students appeared for the test and scored well. CEAT evaluates Aptitude, Technical Skills and Communication Skills of candidates in a simulated environment based on Industry Standards and helps candidates to understand their Strengths and Weakness. Major Private Companies and MNCs recognize this assessment.

### A Lecture on Resume Building

A classroom session on Resume Building was organized on August 26, 2015 for final year students of B. Tech. and M. Tech. Dr. Saurabh Mishra, Assistant Professor, English, delivered the lecture and suggested the format students should follow while preparing their resume and placing before HR Officer of a company. Dr. Mishra advised the students that resume works as a mirror for the candidate that reflects their face value and opens window to interact with HR. Therefore, students should prepare it with utmost care and highlight their academic achievements and areas of interest to impress the HR officer at first sight. Candidates should also ensure that their resume should not be into more than two pages and that should be customized every time, based on the need and nature of the post applied for.

### Awards to best performers in Semester Examinations

RGIPT has started an initiative to award the best academic performers at gatherings on 'Independence Day' and 'Republic Day'. On this 15<sup>th</sup> August 2015, Prof. J. P. Gupta, Director, RGIPT awarded 25 students for their hard work and to motivate others to excel in their academic activities. Among awardees, there were 15 students from Petroleum stream and 10 from Chemical Engineering. These students had scored highest grades in one or more subjects in the recent past semester examinations.



Ms. Apoorva Gupta, B. Tech. Che. Engg. (Final year) receiving award from Prof. J. P. Gupta, Director, RGIPT

### Poster competition on 'Unconventional Resources'

The SPE Student Chapter of RGIPT conducted a technical poster presentation competition on August 29, 2015 at RGIPT, Rae Bareilly. The theme of the poster was "Unconventional Resources". The event introduced the perception of petroleum industry and allowed participants to acquire a paradigm of the unconventional oil and gas and provided a platform to bring their innovative ideas.

The event saw participation from various energy domain specific institutes, namely RGIPT Rae Bareilly, UPES Dehradun, MIT Pune, etc. Eight teams were shortlisted on the basis of their ideas and creativity in the preliminary round. The poster presentation

competition was judged by two senior faculty of RGIPT Dr. S. K. Mishra, Professor, Petroleum Engineering and Dr. Satish Kumar Sinha, Associate Professor, Geophysics. The posters were judged based on the content covered, organization of matter, quality and clarity of poster and answers to the questions raised by the judges.

Two-member team from RGIPT comprising Mr. Shubham Gupta and Mr. Ravi Soni won the competition with their poster: Enhancing shale gas recovery using supercritical CO<sub>2</sub> flooding, while Mr. Shashank Kumar and Mr. Udai Jain from UPES Dehradun stood at second position.

### The Intern Talk 'KOINONIA 2015'

The SPE Student Chapter of RGIPT in collaboration with Petrotech Student Chapter, SEG Student Chapter and AAPG Student Chapter organized a programme Intern Talk 'KOINONIA-2015' on August 9, 2015 at RGIPT, Rae Bareilly. The main objective of organizing the programme was to familiarise the petroleum and chemical Engineering students with the procedure of Summer Internships. All final year student, were present to share their experiences and enumerate steps on getting an internship. The event was successfully carried out with some qualitative discussions and valuable tips for the 2<sup>nd</sup> and 3<sup>rd</sup> year students. Final year students, graduating in 2016, had done their internships

this year at Schlumberger, Reliance, ONGC, IOCL, BPCL, etc. They also underlined the importance of being inquisitive during Internships to learn the intricacies of Petroleum and Hydrocarbon industry.

## Dr. U. Ojha to head RGIPT 'Nano Science Group'

RGIPT has reconstituted the 'Nano Science Group' under the convener-ship of Dr. U. Ojha, Associate Professor, Chemistry, to give impetus to Research & Development works in nano- science and technology and develop required infrastructure. It was first constituted in 2012-13 with the objective to promote learning and development of subject with Dr. Amit Ranjan, Assistant Professor, Chemical Engineering as Head. This group will focus on the following key areas:

- Submission of individual/joint research projects for extra mural funding
- Identifying research projects (individual/joint) for in-

house perusal in the nano area

- Submission of a combined proposal to the nano-mission, DST, India to develop facilities at RGIPT, Rae Bareli
- Hiring of Project Associates and Jr. Research Fellows to pursue research
- Short-listing key equipment necessary for nano material synthesis and characterization and exploring options to procure these items
- Identifying PSUs and private companies as possible funding source

## Lectures Delivered

### A lecture on 'Leadership and Nature of Oil & Gas Business in India'



Shri Saurabh Chandra, Former Secretary, MoPNG delivering lecture at RGIPT

Shri Saurabh Chandra, IAS and Former Secretary, Ministry of Petroleum & Natural Gas, Govt. of India delivered a lecture on 4<sup>th</sup> September, 2015 on 'Leadership and nature of oil & gas business in India' at RGIPT, Rae Bareli. The lecture started with welcome address by Prof. J. P. Gupta, Director- RGIPT. Prof. Gupta highlighted Shri Chandra's contributions to Indian Public Administration and Oil & Gas Industry.

While delivering the lecture, Shri Chandra said that the students of RGIPT have potential to become leaders in oil and gas industry. Leadership is not about holding any position or winning an election, but it gives us roles in our day-to-day professional life. Actually, leadership requires a vision for the organization, translating that vision into action and managing the external environment for fulfillment of the vision to ensure the growth of business. He further

said, since India imports 75-80% of its crude oil requirements and 50% of India's sedimentary basins are still unexplored, hence, leading oil PSU like- ONGC Ltd. should take the leadership role in exploration and production business to reduce the crude oil imports at least 10% by 2022. While talking about the prospect and challenges of 'National Exploration Licensing Policy' (NELP), he said, major hurdles before the success of NELP are obtaining timely clearances from various departments to start the exploration and unwillingness of Oil MNCs to start their operations in India as they doesn't find Indian market as level playing. The Government of India conceptualized New Exploration Licensing Policy (NELP) during 1997-98 to provide an equal platform to both Public and Private sector companies in exploration and production of hydrocarbons with Directorate General of Hydrocarbons (DGH) as a nodal agency for its implementation. It was introduced to boost the production of oil and natural gas and providing level playing field for both public and private players.

### Lectures by Dr. K. T. S. Sarao on 'Buddhism'



Dr. K. T. S. Sarao delivering lecture on Buddhism at RGIPT

Prof. K. T. S. Sarao delivered lectures on Buddhism at RGIPT on 8<sup>th</sup>-9<sup>th</sup> August 2015. Prof. Sarao is a Distinguished Professor at Department of Buddhist Studies, University of Delhi. It was organized as the part of HSS modular course for 2<sup>nd</sup> year undergraduate students. Prof. Sarao discussed the topics like- 'Decline of Buddhism in India', 'Various Buddhist Legends', 'Buddhist doctrine of non-violence and vegetarianism' and 'Buddhist attitude towards women and caste system' during the lectures.

## Lectures by Dr. Bhuvan Vikrama on Archeology

Dr. Bhuvan Vikrama delivered lectures on various aspects of Archeology at RGIPT on 12<sup>th</sup>-13<sup>th</sup> September 2015. During the lectures, Dr. Vikrama covered the topics like Branches of Archaeology, Development of Archaeological Science, Dating methods and chronology, First urbanization, Classical age, etc. Lectures were organized as the part of HSS modular course for 2<sup>nd</sup> year undergraduate students.

Dr. Vikrama is Superintending Archaeologist, Agra Circle Chief, Archaeological Survey of India (ASI) and has significant experience in archaeological excavation (Humayun's Tomb, Ayodhya, Dholavira, Ahichhatra etc.), exploration and imparting archaeological training to students. He is also primarily associated with Taj Mahal restoration project under ASI.



## Industry Collaboration

### Visit of ONGC delegation for research collaboration



Shri P. K. Dubey (First from right) and Dr. S. S. Kashyap, GM- Drilling Fluid (2nd from right) interacting with RGIPT faculty

Two-member delegation from IDT, ONGC Ltd., Dehradun comprising Dr. S. S. Kashyap, GM- Drilling Fluid and Shri P. K. Dubey, DGM- Drilling, visited RGIPT on 4<sup>th</sup> September, 2015 to explore the opportunities to collaborate with RGIPT in Research & Development works. During the visit, they interacted with faculty members and discussed their areas of interest, like HPHT, Drilling fluid, Drilling in ultra deep water (beyond 4000 meter), Development of Nano lubricants and other additives, etc. in which ONGC Ltd. is looking to collaborate with educational institutions like RGIPT. They also interacted with students and discussed about Drilling Technology, and explained entire processes of drilling and works of IDT. They visited Drilling Fluid, Material Science, Nano Science Labs, Geophysical Exploration and Chemistry labs and

appreciated the efforts RGIPT has made in setting up these labs.

### Short courses for the executives of oil industry

RGIPT organized two short courses on “Process for non-process Engineer” and “Petroleum Refining Technology” from 21 to 23 September 2015 at IOCL Digboi Refinery, Assam. The short course on “Process for non-process Engineer” was conducted especially for the non-process executive officers of IOCL Digboi Refinery on September 21, 2015, while course on “Petroleum Refining Technology” was conducted from 22-23 September 2015 for the refinery process officers from IOCL Digboi, Bongaigaon and Guwahati refineries and Numaligargh Refinery Limited (NRL). Shri H. S. Dutta, Sr. General Manager, GM- Tech, IOCL Digboi, Shri D. Ghosh, Sr. General Manager (NRL) and RGIPT faculty Dr. M. S. Balathanigaimani, Dr. Rakesh Kumar and Dr. Milan Kumar, delivered the lectures.



Participants from IOCL and NRL who attended the short courses

## Faculty Engagements

- Dr. M. S. Balathanigaimani, Assistant Professor, Chemical Engineering, visited Indonesia from August 17-20, 2015 at the invitation by WIKA, EPC & Investment Company (State Owned Enterprises of Indonesia), Korea-Indonesia Industry and Technology Cooperation Center (KITC) to deliver a talk on “Adsorbed Natural Gas Storage (ANG)”. He also visited Chonnam National University, Republic of Korea from May 28 to June 17, 2015, under the ongoing India-Korea bilateral project on “New nano-porous materials for natural gas storage applications”.
- Dr. Atul Sharma, Assistant Professor, Renewable Energy and Dr. A. Shukla, Assistant Professor, Physics, presented a paper on 'Thermal regulation of photovoltaic panel using PCMs' at International Photovoltaic Solar Energy Conference (Solar

Asia- 2015) (Paper code- PP-97). It was organized by Department of Physics, Savitribai Phule Pune University, Pune on 30<sup>th</sup> July-1<sup>st</sup> August, 2015.

- Dr. Atul Sharma, Assistant Professor, Renewable Energy, visited Department of Mechanical Engineering, Kun Shan University, Taiwan during 22<sup>nd</sup>-25<sup>th</sup> June 2015 to attend the Ph. D. oral defense of Mr. Tsung-Nan We, as a 'Doctoral Dissertation Committee Member'.
- Dr. A. Shukla, Assistant Professor, Physics visited 'Institute of Physics' Bhubaneswar to attend the 'Nuclear Physics Meet' and delivered a talk on 'Observing Bubble Nuclei: A study in RMF Formalism'. It was organized by Institute of Physics in Bhubaneswar on June 26-30, 2015.
- Dr. Alok Kumar Singh, Associate Professor, Geology, visited 'Birbal Sahani Institute of Paleobotany', Lucknow on 14<sup>th</sup> July, 2015 to carry out the reflectance measurement of coal and lignite samples of India. Dr. Singh also visited R&D department of Oil India Ltd., Duliajan and CSIR-North East Institute of Science & Technology, Jorhat, Assam from 22<sup>nd</sup> to 26<sup>th</sup> June, 2015 to carry out the rock-eval pyrolysis of coal and lignite to determine their maturity and source rock potentials.
- Dr. Satish Kumar Sinha, Associate Professor, Geophysics, visited Geological Survey of India, Lucknow on 18<sup>th</sup> June, 2015 to explore the opportunities for research collaboration.
- Dr. Sanjay Kumar Kar, Assistant Professor, Management Studies, published a paper on 'Progress of Renewable Energy in India' in 'Journal of Advances in Energy Research', Issue-June 2015.
- Dr. Sanjay Kumar Kar, Assistant Professor, Management Studies, attended a conference on 'Creating Happy Organizations' at Indian Oil Pipeline Division, IOCL, NOIDA on May 16, 2015.
- Dr. Saroj Mishra and Dr. Rohit Bansal, Assistant Professors, Management Studies, attended a conference on 'Water Resources Management for Sustainable Development'. Petrofed had organized it on June 5, 2015 in New Delhi.

## Faculty Development Programmes

**Dr. Rakesh Kumar, Assistant Professor, Chemical Engineering** presented papers titled "Usage specific biodiesel production with and without catalytic booster" and "Effect of carbon and nitrogen sources on Escherichia coli bacteria in removing dyes" at International Conference on Materials Research and Applications (ICMRA-2016), held on 11-13 March, 2016 at CMR Technical Campus, Hyderabad, India.

**Dr. Sanjay Kumar Kar, Assistant Professor, Management Studies** participated in "Sub-Group meeting on identifying cutting edge skills requirement in Power & Energy Sector" organized by Niti Aayog on January 18, 2016.

**Dr. M. K. Rajput, Assistant Professor, Mathematics** has published a paper in the peer-reviewed journal entitled Dispersion Analysis of Robert – Asselin type filters for linear non- dispersive systems, Computers & Fluids, 2016

**Dr. Atul Sharma, Assistant Professor, Renewable Energy** and **Dr. Amritanshu Shukla, Assistant Professor, Physics** presented a paper on "Thermal Conductivity Enhancement of Paraffin Wax with Graphene Nano Particles" in National Conference on Solar Thermal Energy Technologies- 2016 on 26-28 February 2016 organized by IIT Jodhpur.

**Dr. Atul Sharma, Assistant Professor, Renewable Energy** delivered a lecture on "Development and Utilization of Phase Change Materials (PCMs) for Building Applications, on February 29, 2016 organized by School of Architecture, BBD University, Lucknow.

**Dr. Atul Sharma:** International Project entitled "Development and Characterization of Nano –Enhanced Phase Change Material for Energy Storage Applications "under the Indo- Portugal S&T cooperation programme scheme to the International Cooperation, DST was submitted on 18th March, 2016.

**Dr. A. Shukla, Assistant Professor, Physics** and Mr. Awanish Bajpeyi, Research Scholar, attended winter School titled "CNT lectures on selected topics in Nuclear Theory" (STNT 2016) during 15th – 25th, 2016. It was organized at Centre for Nuclear Theory, Variable Energy Cyclotron Centre (VECC) Kolkata.

**Dr. Shivanjali Sharma, Assistant Professor, Petroleum Engineering** attended 11th programme on "Hottest Trends in Petroleum Exploration" on 4th - 6th February, 2016 at KDMIPE, ONGC Ltd., Dehradun.

**Dr. Saroj Mishra, Assistant Professor, Management Studies** attended a conference on "Standards Knowledge Sharing for the Oil & Gas Pipeline Industry", organized by ASME International Working Group (ASME IWG) & Oil Industry Safety Directorate (OISD) on February 5, 2016 at NOIDA, NCR. He also attended 2nd ORF-PRIO Conference on "Future scenarios for an urbanizing India: Governance, Security & Environmental Change" on February 8, 2016. It was jointly organized by Observer Research Foundation (ORF) New Delhi and Peace Research Institute Oslo (PRIO) Norway.

A research paper, titled "Embedded macro porous elastomers by hydrostatic fracture for flexible strain- sensor application" of **Dr. Amit Ranjan, Assistant Professor, Chemical Engineering** was accepted for publication in 'Journal of Applied Polymer Science'.

**Dr. A. K. Choubey, Assistant Professor, Chemistry** attended 7th Annual Convention of Petrotech on March 30, 2016 at MIT, Pune.

**Dr. Rohit Bansal, Assistant Professor, Management Studies** edited a book chapter 'Financial Options, Core Curriculum Series in Finance' published by Harvard Business Publishing in March 10, 2016.



# INAUGURATION CEREMONY

16<sup>th</sup> October 2015

IICHe RGIPT Student Chapter inaugural ceremony was held on October 16<sup>th</sup>, 2015. The program began with the lightning of the traditional lamp by the honoured guests- Dr. U. Ojha, Dr. C.K. Jain and Dr. M.S. Balathanigaimani. Then, the faculty advisor of chapter Dr. M.S. Balathanigaimani formally introduced the office bearers for the first working academic year of the chapter and encouraged the students for this new endeavour.

After that, the President of the chapter Mr. N.T. Srinivas delivered his introductory speech in which he put forth the objectives of



the Chapter and the future plans of the Chapter. He apprised the students about how the Chapter will conduct various seminars, Technical Workshops, software workshops, Group discussions to help students to interact and network with the professionals and also to understand the current trends in the chemical engineering field. All students from all year attended the lecture with great ardor and eagerness.

At the end, chapters' executive committee member Ms. Rupali Mittal gave the vote of thanks to the guest of honours, faculty and the students to conclude the ceremony.

NOTE: This event was sponsored by RGIPT.



## GUEST LECTURE

**Mr. Ajit Singh, Managing Director, Busch Vacuum India Pvt. Ltd.**



He enlightened the students about How to be Industry fit? How to build corporate relationships with companies like Busch? What are the important courses in Chemical engineering? The session was made interactive by thought provoking questions posed by Mr. Ajit Singh to the student audience.

The lecture witnessed huge participation from all four year students. The event was enjoyed and highly appreciated by everyone.

IIChE RGIPT Student Chapter organized a Guest Lecture on November 4<sup>th</sup>, 2015. Mr. Ajit Singh, Managing Director of Busch Vacuum India Pvt. Ltd. was invited to give the lecture. The topic of the lecture was 'Recent Advancements in Vacuum Pumps Technology'. This was the first formal event of IIChE RGIPT Student Chapter.

This event was organized to acquaint the students with the latest pumps and compressors used in the chemical Industries. Mr. Ajit Singh shared his long and vast Industrial experience with the students.



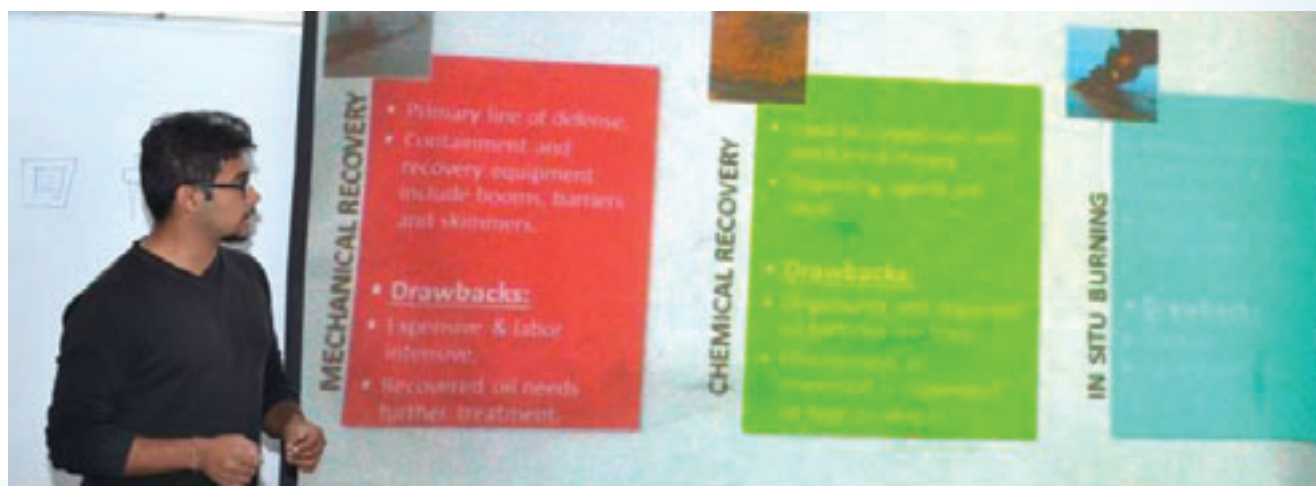
NOTE: This event was sponsored by RGIPT.

## KHANIJ 2K15



Khanij (Minerals) have always defined the era of development in the human civilization, right from stone age on to iron age, further to the ongoing oil age. Realizing the quantum of emphasis that this petroleum and oil field command Khanij'15 was organized. Khanij, the annual inter-college Technical Festival of Rajiv Gandhi Institute of Petroleum Technology (RGIPT, Rae Bareli), is the proactive students' effort towards creating an experience that not only exhilarating in its sheer grandeur, but also a trigger for curiosity. Be it the interesting and thrilling workshops, national level competitions and informative guest lectures, Khanij has been successful in bringing together the best there is in oil and gas sector.

This two days extravaganza was held at the Institute's academic campus on 7<sup>th</sup> & 8<sup>th</sup> November 2015. The supporting societies in organizing Khanij'15 were IIChE, SPE, Petrotech, AAPG & SEG RGIPT Student Chapters and Entrepreneurship Cell of RGIPT. Organizing Khanij'15 was a cumulative effort of the many students along with immense support from our faculty members. Khanij'15 witnessed huge participation from 12+ colleges all across India and was enjoyed and highly appreciated by everyone.



## PAPER & POSTER PRESENTATION KHANIJ 2K15

Paper presentation participants were shortlisted on the basis of their abstracts. The event saw participation from various colleges of the energy industry like RGIPT, UPES, DIT, IIT BHU etc. This event catered the young minds to go beyond their spectrum of thoughts and come up with rigorous profound of technology. During the presentation, they were judged on the basis of their content, knowledge and presentation skills. Overall the event was a great success and was greatly appreciated by the faculty as well as the student community.

Poster presentation is an amazing opportunity for students to demonstrate their knowledge and research work in front of fellow students and industrialists through combination of text and graphics. A technical poster presentation competition was conducted on 7<sup>th</sup> November. The posters were judged on the basis of the content covered, organization of matter, quality and clarity of poster, presentation of the matter, space covered and answers of the question raised by the judge.

### PETROWIZARD

As Oil industry economy is continuously faltering and is in need of capable hand so an intuitive and perplexing event PetroWizard was organized to check knowledge of drilling instruments and reservoir Engineering. This was a team event in which each consisted of maximum two participants. This event was conducted in three rounds -

1. In the first round identification of the given instrument provided in the drilling lab was done.
2. In second round a log sheet of combined logs was provided to identify the different formations present in the subsurface.
3. In the final round basic pragmatic questions of reservoir were asked.

Winner was decided by summarizing the score of all 3 rounds. The event witnessed a huge participation from all the colleges.

## MINERALOGY

To test the mineral and rock identification skills of the participants this event was organized in Khanij'15. This event was a team event with maximum participants in a team. The participant's were needed to decipher the mineral and rock identification based on their physical properties.

The event made student's mind dazzle with its exciting and challenging experience. 10 rocks and 10 minerals were to be identified with all being basic rocks and minerals and Rapid structure and physical properties needed to be identified in stipulated time depending upon number of samples (fault, folds, conformity, matrix cement, etc.). The team which identified the maximum rocks and minerals in the given time was declared the winner. In case of tie, time was considered as the deciding factor & the team which took lesser time was selected. The events witnessed huge participation from students.

## CHEMHUNT

To test participant's basic chemistry/chemical engineering knowledge, deductive and analytical skills to solve ingeniously crafted clues CHEMHUNT event was organized. ChemHunt was basically chemical engineering students' Treasure Hunt event in which all teams had to solve all the clues with their knowledge of chemistry/chemical engineering. This was a team event with each consist of maximum 5 participants. The first team which solved all clues and grand connected won the Treasure Hunt. This was a fun event which was enjoyed & appreciated by everyone.



## B-QUIZ

B-Quiz was a Business/Entrepreneurship Quiz Competition which was organized to test participant's entrepreneurial spirit, business and economic knowledge and mathematical & logical skills.

This event was conducted in 3 rounds. In the final round a typical business problem was given to solve that in the allotted time. The students participated in this event with great enthusiasm. This helped students to enhance their entrepreneurial skills.

## OIL-BUSINESS

This is the most amazing and extraordinary event of Khanij'15. A meticulous business planning competition where students were needed to plan their way up to make maximum profit, as we say you should "Be Fearful when others are Greedy and Greedy when others are Fearful". This was a team event each consist of maximum 4 participants. The event was a grand success and helped students to understand how to grow a small business into a huge profitable corporation.





## GROUP DISCUSSION

7<sup>th</sup> February 2016

IICHE RGIPT Student Chapter conducted a Group Discussion event on 7<sup>th</sup> February 2016. It was organized to assess the problem solving and decision making ability of the competitors. In the contemporary times, GD's have gained too much prominence in testing an individual's personality.

This was a team event with maximum two participants in a team. This event was conducted in two rounds. In the first round, a preliminary quiz was conducted and 5 teams were shortlisted on the basis of that. Then in the second round a GD was conducted among the shortlisted teams.

Some topics of the GD were: Impact of falling crude prices on the downstream sector, Opportunities for chemical industries in the framework of make in India policy and India's R&D investment in the downstream, is it good enough?

Dr. Milan Kumar and Dr. C.K. Jain chaired the judging panel. At the end, they announced the winners & also awarded them.

- Samaksh Chaturvedi (2<sup>nd</sup> Year) : 1<sup>st</sup> Position
- Girish Joshi (1<sup>st</sup> Year) : 1<sup>st</sup> Runner up
- Tejas Deshkar (4<sup>th</sup> Year) : 2<sup>nd</sup> Runner up

## INDUSTRIAL VISIT

3<sup>rd</sup>-5<sup>th</sup> March 2016

The IICHE RGIPT Student Chapter has always been willing to walk that extra mile to achieve excellence and bring their proven strengths in successfully meeting the mission of IICHE. In the highly complex and technical field of chemical/petroleum engineering where technology is evolving with lightning speed, it is very necessary to remain updated with the latest advancements. Hence, interaction of the technical institutions with the oil and gas industry is of prime importance.

With this objective the IICHE RGIPT Student Chapter organized a Field trip of IIP,

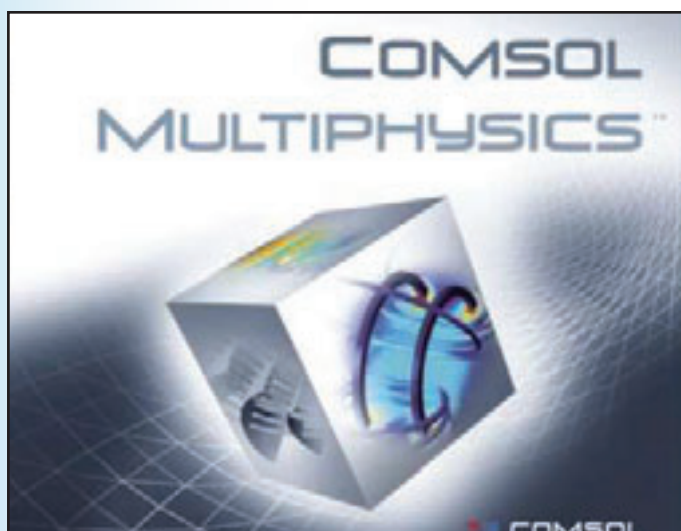
Dehradun & Indian Glycol Company, Dehradun from 3<sup>rd</sup> April 2016 to 5<sup>th</sup> April 2016. There students learned about the developments in the downstream sector of hydrocarbon & related industry & also about their fire safety systems. The interaction with engineers on site made the expedition even more fruitful.

This field trip gave the students much needed insight into the oil & gas sector and its functioning. It also helped the Chemical Engineering students of RGIPT to stay abreast with the developments in the rapidly changing oil and gas industry.

## COMSOL MULTIPHYSICS 5.2 WORKSHOP

26<sup>th</sup> February 2016

A workshop on Comsol Multiphysics 5.2 was held on February 26<sup>th</sup>, 2016 under the banner of IChE RGIPT Student Chapter. Mr. Samarth Agarwal, who is an Applications Engineer at COMSOL, Inc. conducted this workshop. COMSOL Multiphysics is a general-purpose software platform, based on advanced numerical methods, for modeling and simulating physics-based problems. With more than 30 add-on products to choose from, we can further expand the simulation platform with dedicated physics interfaces & many other tools.



This event showed up a huge gathering of students as well as faculty. They were taught with the COMSOL Basics, COMSOL Application Builder & How to solve Multiphysics Simulation Problems? Mr. Samarth tried to share his experience in solving complex problems using computational techniques which are required to be solved in industries. Seeing the utility of advanced software in Industries, the Chapter put an emphasis on COMSOL workshop.

## EDIFY - "PLACEMENT TALK"

2<sup>nd</sup> April 2016



A very Innovative and Informative event 'Edify - An Informal Talk on Chemical Engineering Placements' was conducted on April 2<sup>nd</sup>, 2016 in order to familiarize the students about the questions faced by the students in an Interview. 4<sup>th</sup> year students hired by leading Oil PSU's like Bharat Petroleum Corporation Ltd. (BPCL), Oil India Ltd. (OIL), Haldia Petrochemicals, Indian Oil Corporation Ltd. (IOCL) etc. answered the questions of curious students. The event was successfully carried out with some qualitative discussions and valuable tips for the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> year students.

They also explained the complete placement procedure, Technical Rounds, Group Discussion Rounds, HR Interview Rounds, etc. The most important part of the event was that students learned various tactics to tackle an Interview in a stressed situation. All the 4<sup>th</sup> year students who managed to get a job in several different companies were present to share their experiences and enumerate their steps on getting a job. They familiarised the chemical Engineering students with the procedure of placement. The students of first & second year also showed a great deal of enthusiasm for the event. The event concluded with a big round of applause for the panellists.

NOTE: This event was sponsored by RGIPT.



# Achievements

## 2015-16



Mr. Komal Chandra (President, IICChE RGIPT Student Chapter) was one of the few elites from the whole country to present his Innovation at Rashtrapati Bhavan in March 2016.



Mr. Sumit Verma (Vice-President, IICChE RGIPT Student Chapter) got selected for attending the International Petroleum Technology Conference (IPTC) education week in November 2016 at Bangkok, Thailand.



Mr. Komal Chandra has secured 1<sup>st</sup> Rank in the Chem-E-Quiz competition organized by AIChE IIT Gandhinagar Student Chapter on 23<sup>rd</sup> January 2016.



Mr. Ravi Prakash & Mr. Rahul Sharma (4<sup>th</sup> Year) won second prize in the 'Final Project Competition' for their work titled 'Extractive Distillation of Isopropyl Alcohol & Water' at PDPU SPE Fest held in Nov 2015.



The delegate of 8 students from our college had attended "Global Refining and Petrochemical Congress" in July held at Delhi to get insight on most prized industrial assets in the world in which around 50 speakers from 8 countries gave a talk about the latest innovations and technological advancements in Petrochemical and Refining Industry.



Our students yet outshine brilliantly by achieving 1<sup>st</sup> as well as 2<sup>nd</sup> position in Paper Presentation held by 1<sup>st</sup> South Asian Geosciences Student Conference (SAGSC) on 27<sup>th</sup>-30<sup>th</sup> July 2015. Mr. Tejas deshkar (4<sup>th</sup> Year) got 1<sup>st</sup> Position and Mr. Shubham Gupta & Mr. Yash Sachan (3<sup>rd</sup> Year) got 2<sup>nd</sup> Position.



Mr. Sumit Verma (3<sup>rd</sup> Year) had attended "6<sup>th</sup> World PetroCoal Congress (WPCC-2016)" held in Feb 2016 at New Delhi.



Miss Ranjana Baruah (4<sup>th</sup> Year) got selected for attending the International Petroleum Technology Conference (IPTC) education week in December 2015.

## Awards and Honors

### Awards to the best performers in Semester Examinations

RGIPT has been committed to bring academic excellence on campus. By recognizing the best talent, Institute has introduced an initiative to honour the best performers to encourage them. In the year 2015, following students have been honored on Independence Day:

#### Toppers in End Semester Exam April 2015 in one subject

S. No.	Name of Student	Roll No.	Year
1	DILIP PATIDAR	EPE14-018	B. Tech 1st Year (PE)
2	PRINCE KUMAR	EPE14-029	B. Tech 1st Year (PE)
3	ABHISHEK PRAJAPATI	EPE14-040	B. Tech 1st Year (PE)
4	RICHI BANSAL	EchE14-010	B. Tech 1st Year (ChE)
5	PUKHRAJ PRAJAPATI	EPE13-0024	B. Tech 2nd Year (PE)
6	SHUBHAM GUPTA	EPE13-0032	B. Tech 2nd Year (PE)
7	T SHREE RAMA TEJA	EPE13-0037	B. Tech 2nd Year (PE)
8	ABHISHEK GUPTA	EchE13-0001	B. Tech 2nd Year (ChE)
9	SUMIT VERMA	EchE13-0035	B. Tech 2nd Year (ChE)
10	AKANKSHA MISHRA	EPE12-0003	B. Tech 3rd Year (PE)
11	D. VENKATA SANJAY	EPE12-0016	B. Tech 3rd Year (PE)
12	MUDIT SACHAN	EPE12-0022	B. Tech 3rd Year (PE)
13	RAHUL	EPE12-0029	B. Tech 3rd Year (PE)
14	APOORVA GUPTA	EchE12-0005	B. Tech 3rd Year (ChE)
15	MOHD FAYAZUDDIN	EchE12-0017	B. Tech 3rd Year (ChE)
16	N. TUSHAR SRINIVAS	EchE12-0019	B. Tech 3rd Year (ChE)
17	AKASH ANAND	EchE12-0038	B. Tech 3rd Year (ChE)
18	RUPALI MITTAL	EchE12-0039	B. Tech 3rd Year (ChE)
19	ABHAY SINGH YADAV	MPE14-006	M. Tech 1st year (PE)
20	BIJOY KUMAR PUROHIT	MchE14-001	M. Tech 1st year (ChE)

#### Toppers in End Semester Exam April 2015 in more than one subjects

S. No.	Name of Student	Roll No.	Year
1	DILIP PATIDAR	EPE14-018	B. Tech 1st Year (PE)
2	PUKHRAJ PRAJAPATI	EPE13-0024	B. Tech 2nd Year (PE)
3	SHUBHAM GUPTA	EPE13-0032	B. Tech 2nd Year (PE)
4	SUMIT VERMA	EchE13-0035	B. Tech 2nd Year (ChE)
5	APOORVA GUPTA	EchE12-0005	B. Tech 3rd Year (ChE)
6	ABHAY SINGH YADAV	MPE14-006	M. Tech 1st year (PE)
7	BIJOY KUMAR PUROHIT	MchE14-001	M. Tech 1st year (ChE)

#### Toppers in End Semester Exam April 2015 in more than two subjects

S. No.	Name of Student	Roll No.	Year
1	DILIP PATIDAR	EPE14-018	B. Tech 1st Year (PE)
2	SUMIT VERMA	EchE13-0035	B. Tech 2nd Year (ChE)
3	ABHAY SINGH YADAV	MPE14-006	M. Tech 1st year (PE)
4	BIJOY KUMAR PUROHIT	MchE14-001	M. Tech 1st year (ChE)

### Awards/Honors

#### Best Teacher Award

- Dr. Susham Biswas, Assistant Professor, Geo-informatics has been awarded with Best Teacher Award for 2014-15 2nd semester. While Dr. M. K. Rajpoot, Assistant Professor, Mathematics has won the Best Teacher Award for 1st Semester of academic year 2015-16. This is the second time that he has won it within a short span of time.
- Mr. Mohd. Belal Haider, M. Tech.- Chemical Engineering (2013-15 batch) and currently pursuing doctoral degree at RGIPT has won the 'Indian Society for Technical Education (ISTE)-IPCL Best M. Tech. Thesis Award (First Prize) in Chemical Engineering-2015' for his thesis work titled "Experimental Study of Ionic Liquid Blends for CO<sub>2</sub> Capture" under the guidance of Dr. Rakesh Kumar, Assistant Professor, Chemical Engineering. The Award consists of cash prize of Rs. 10,000.00, a medallion and a citation.
- The two final year students of B. Tech. Chemical Engineering- Mr. Ravi Prakash and Mr. Rahul Sharma won the second prize in a competition at PDP, SPE Fest 2015. The topic of the competition was "Extractive distillation of isopropyl alcohol & water: A comparative simulation study".



## 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
- Herion Watts 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 at RGIPT

### Engineering Faculty

**Dr. Abhay Kumar Choubey**

Ph.D. (BHU)

Chemistry

**Dr. Amritanshu Shukla**

Ph.D. (IIT Kharagpur)

Physics

**Dr. Atul Sharma**

Ph.D. (Devi Ahilya University)

Energy Management

**Dr. Amit Ranjan**

Ph.D. (University of Minnesota, USA)

Chemical Engineering

**Dr. Alok Kumar Singh**

Ph.D. (BHU)

Geology

**Dr. Chanchal Kundu**

Ph.D. (IIT Kharagpur)

Mathematics

**Prof. C. K. Jain**

M. Tech. (University of Allahabad)

Petroleum Engineering

**Dr. Debashis Panda**

Ph.D. (IIT Mumbai)

Chemistry

**Dr. J. P. Gupta**

Ph.D. (University of Pennsylvania, USA)

Chemical Engineering

**Dr. M. S. Balathanigaimani**

Ph.D. (CNU, South Korea)

Chemical Engineering

**Dr. Manoj K. Rajpoot**

Ph.D. (IIT Kanpur)

Mathematics

**Dr. Milan Kumar**

Ph.D. (University of Tennessee)

Chemical Engineering

**Dr. Kausik Guha Biswas**

Ph.D. (IIT Kharagpur)

Chemical Engineering

**Dr. Rakesh Kumar**

Ph.D. (IIT Kanpur)

Chemical Engineering

**Dr. Saurabh Mishra**

Ph.D. (CCSU, Meerut) English

**Dr. Satish Kumar Sinha**

Ph.D. (University of Oklahoma, Norman)

Petroleum Engineering

**Dr. Susham Biswas**

Ph.D. (IIT Kanpur)

Geo-Informatics

**Dr. S. K. Mishra**

Ph.D. (SVNIT Gujarat)

Petroleum Engineering

**Dr. Shivanjali Sharma**

Ph.D. (ISM Dhanbad)

Petroleum Engineering

**Dr. Tushar Sharma**

Ph.D. (IIT Madras)

Petroleum Engineering

**Dr. U. S. Prasad**

Ph.D. (IIT Kanpur)

Petroleum Engineering

**Dr. Umakant Dhar Dwivedi**

Ph.D. (IIT Kanpur)

Electrical Engineering

**Dr. Umaprasana Ojha**

Ph.D. (IIT Bombay)

Chemistry

**Dr. Venkata Subbarayadu Sistla**

Ph.D. (Otto von G. University, Germany)

Chemical Engineering

### Management Studies

**Dr. Debashish Jena**

Ph.D. (IIM Lucknow)

Operations Management & Operations Research

**Dr. Jaya Srivastava**

Ph.D. (Banasthali University)

Human Resource Management

**Dr. Kavita Srivastava**

Ph.D. (IIT Kanpur)

Marketing & Consumer Behaviour

**Dr. Rohit Bansal**

Ph.D. (IIT Roorkee)

Accounting & Financial Management

**Dr. Sanjay Kumar Kar**

Ph.D. (Utkal University)

Marketing & International Business

**Dr. Saroj Kumar Mishra**

Ph.D. (IIT Kanpur)

Management Studies



## Achievements & Publications of Faculty

### Dr. A. K Singh

Associate Professor and Associate Dean- Students' Affairs

#### Sponsored Research Project:

- Working on research projects related with Indian lignite and Gondwana coals of India funded by the Govt. of India

#### Recent Publications:

- Singh, A. K. 2015: Petrogenesis of Eocene Coals, Garo Hills, Meghalaya, India. Arabian Journal of Geosciences, Arabian Journal of Geosciences, Volume 8, Issue 12, pp 10705-10714.
- Singh, A. K., Singh M.P., and Singh, P.K., 2015: Microstructural studies and distribution of mineral matter in the macroscopic ingredients of the Eocene coals of platform basins, Meghalaya, India. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Volume 37, pp.1089–1097.
- Singh, A.K., Singh M.P., and Singh, P.K., 2015: Utilization of Permian coal deposits of West Bokaro, India: A Petro-Chemical Evaluation. Accepted, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Volume 37, pp.1081–1088.

#### Detail Research Publications:

##### International

- Singh, A.K. 2015: Petrographic and Geochemical Characterization of Coal from Talcher Coalfield, Mahanadi Basin, India. Geological Society of India. Accepted
- Singh, A.K. 2015: Petrogenesis of Eocene Coals, Garo Hills, Meghalaya, India. Arabian Journal of Geosciences, Arabian Journal of Geosciences, Volume 8, Issue 12, pp 10705-10714.
- Singh, A.K., Banerjee, P. K., Singh, P. K. and Das, A. 2015: Study of washability characteristics of coals from seam IX Jamadoba colliery of the Jharia Basin. Energy Exploration and Exploitation, Volume 33, Number 2, pp. 181–202
- Singh, A.K., Singh M.P., and Singh, P.K., 2015: Microstructural studies and distribution of mineral matter in the macroscopic ingredients of the Eocene coals of platform basins, Meghalaya, India. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Volume 37, pp.1089–1097.
- Singh, A.K., Singh M.P., and Singh, P.K., 2015: Utilization of Permian coal deposits of West Bokaro, India: A Petro-Chemical Evaluation. Accepted, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Volume 37, pp.1081–1088.

#### Industrial Visit:

- Visited R&D Department of Oil India Limited, Duliajan and CSIR-North East Institute of Science & Technology, Jorhat,

Assam from June 22-26, 2015. Also, visited Birbal Sahani Institute of Paleobotany, Lucknow on July 14, 2015.

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### Dr. A. Shukla

Assistant Professor- Physics and Chairman RGIPT Alumni Association

#### Research Publications:

##### Nuclear Physics

- Systematic study of Bubble Nuclei in Relativistic Mean Field Theory by A Shukla, Sven Aberg and Awanish Bajpeyi in Physics of Atomic Nuclei 79, 1 (2016).
- Systematic study of Proton capture rates for Mo and Cd isotopes by Awaneesh Bajpai, A. Shukla, A. Kenning and, Sven Aberg in European Journal Of Physics A51, 12 (2015).
- Deformed bubble nuclei in light mass region by A Shukla and Sven Aberg in Phys. Rev. C89, 014329, (2014).

##### Physics of renewable energy systems

- Thermal Energy storage based solar drying systems: A review by Karunesh Kant, A. Shukla and A. Sharma, Anil Kumar & Anand Jain in Innovative Food Science and Emerging Technologies, (in Press, 2016)
- Thermal Cycle Test of Binary Mixtures of Some Fatty Acids as Phase Change Materials For Building Applications by Atul Sharma and A. Shukla, in Energy and Buildings 99, 196 (2015).
- Latent Heat Storage through Phase Change Materials: An innovation that can change our lives by A. Mishra, A. Shukla and A. Sharma in Resonance: Journal of Science education, 20, 532, Issue 6 (2015)
- Development of phase change materials for bio medical applications by A. Shukla, Atul Sharma, M. Misra and C. R. Chen, in Journal of Medical Engineering and Technology 363, 39, Issue 6, (2015).

#### Book Published

- Energy Security & Sustainability: Present and Future (Under publication process - to be published with CRC press/Taylor & Francis Publishing USA, ISBN 9781498754439).

#### Research Projects Handled

- 3 DST sponsored projects completed (including an international project). 1 DST sponsored project ongoing.

### Dr. A. K. Choubey

Assistant Professor- Chemistry

#### Detail of research/ papers and publication

- A paper titled Methanol and Dimethyl Ether: Alternative to Existing Fuels was submitted for CHEMCON 2016.

#### Book publication

- One book chapter on The Hydrogen Initiative: Technological Advancements & Storage Challenges has been accepted for publication in a book on Energy Security & Sustainability of CRC Press, Boca Raton, USA

#### R & D project and development:

- Submitted a project on Novel Technique for Production of Methanol and Dimethyl ether as a Sustainable Fuel – An Alternative to LPG” to DST for funding
- Guiding 1 Ph. D. work in Petroleum Engineering area
- Guided 6 B. Tech final year students of Chemical Engg. Branch for their projects

#### Administrative responsibility

- As Cheque Signatory
- Chairman- Disciplinary Committee of the Institute



### Dr. Atul Sharma

Assistant Professor, Energy Management

#### Book Publications

- Atul Sharma and Sanjay Kumar Kar  
Energy Sustainability Through Green Energy, Springer (Pvt.) limited India, New Delhi. ISBN 978-81-322-2337-5 (2015).  
<http://www.springer.com/gp/book/9788132223368>

#### List Of Selected Publications

- Ruchika Gupta, Soumya Kedia, Neelam Saurakhiya, Atul Sharma, Amit Ranjan  
Fatty Acid Mixtures In Nanofibrous Polymeric Material, Solar Energy Materials & Solar Cells, Vol. 157, 676-685 (2016).
- Karunesh Kant, A. Shukla, Atul Sharma, Pascal H. Biwloe  
Thermal response of poly-crystalline silicon photovoltaic panels: Numerical simulation and experimental study, Solar Energy Vol. 134, 147-155 (2016).
- Sanjay Kumar Kar, Atul Sharma, Biswajit Roy  
Solar energy market developments in India, Renewable and Sustainable Energy Reviews Vol. 62, 121-133 (2016).
- Karunesh Kant, A. Shukla, Atul Sharma  
Performance evaluation of fatty acids as phase change material for thermal energy storage, Journal of Energy Storage, Vol. 6, 153-162, (2016).
- Karunesh Kant, A. Shukla, Atul Sharma, Anil Kumar, Anand Jain  
Thermal energy storage based solar drying systems: A review, Innovative Food Science and Emerging Technologies, Vol. 34, 86-99 (2016).

- A. Shukla, Atul Sharma, Manjari Shukla & C.R.Chen  
Development of thermal energy storage materials for biomedical, Journal of Medical Engineering & Technology, Vol. 39(6), 363-368 (2015).
- A. Mishra, A. Shukla, Atul Sharma  
Latent Heat Storage through Phase Change Materials, RESONANCE, Vol. 20(6), 532-541 (2015).
- Atul Sharma & A. Shukla  
Thermal cycle test of binary mixtures of some fatty acids as phase change materials for building applications, Energy and Buildings Vol. 99, 196-203 (2015).
- Sanjay Kumar Kar, Atul Sharma  
Wind power developments in India, Renewable and Sustainable Energy Reviews Vol. 48, 264-275 (2015).

#### Administrative responsibility

- Member of Culture Programme Committee
- Chairman of Physical verification committee of capital assets



### Dr. Chanchal Kundu

Assistant Professor, Mathematics

#### Details of R & D activities

Area of interest

- Reliability of a system/component
- Stochastic ordering and ageing
- Statistical information theory
- Order statistics and record values

**Currently working on the following projects funded by DAE & DST**

#### Project #1:

- Title: On the Study of Information Theoretic Measures for Doubly Truncated Random Variables (Ref. No. 2/48(4)/2015/ NBHM(R.P.)/R&D II/14130).
- Principal Investigator: Dr. Chanchal Kundu
- Co-Investigator: Nil
- Sponsoring Agency & Cost: NBHM, Dept. of Atomic Energy, Govt. of India; Rs. 13.29 lakhs
- Status & Duration: Ongoing (Nov. 2015- onwards); 3 Years
- Person Working: One JRF.

#### Project #2:

- Principal Investigator: Dr. Chanchal Kundu
- Co-Investigator: Nil
- Sponsoring Agency & Cost: SERB, Dept. of Science and Technology; Rs. 10.92 lakh.
- Status & Duration: Ongoing (Mar. 2014- onwards); 3 Years
- Person Working: One JRF.

#### List of Research Publications:

1. Kundu, A. and Kundu, C. (2016), Bivariate extension of (dynamic) cumulative past entropy. Communications in Statistics- Theory & Methods, DOI:10.1080/03610926.2015.1080838. Online First. (Taylor & Francis Group)



2. Kundu, C. (2016), On weighted measure of inaccuracy for doubly truncated random variables. Communications in Statistics-Theory & Methods, DOI 10.1080/03610926.2015.1056365. Online First. (Taylor & Francis Group)
3. Kundu, C., Di Crescenzo, A. and Longobardi, M. (2016), On cumulative residual (past) inaccuracy for truncated random variables. Metrika, Vol. 79, pp. 335-356. (Springer)
4. Kundu, C. and Sarkar, K. (2015), Characterizations based on higher order and partial moments of inactivity time. Statistical Papers, DOI 10.1007/s00362-015-0714-y. Online First. (Springer)
5. Kundu, C. and Nanda, A. K. (2015), Characterizations based on measure of inaccuracy for truncated random variables. Statistical Papers, Vol. 56, pp. 619-637. (Springer)

#### Ph. D. student Supervised:

- Mr. Amit Ghosh (PMATH13-001)
- Status: Ongoing

#### Details of R & D activities (Proposal for next two years)

##### Project to be Submitted:

- **Project Title:** On the Study of Kerridge's Inaccuracy Measure and related Concepts having Applications in Information Sciences and Coding Theory.
- **Duration:** 3 Years
- **Total Cost:** Rs. 25 lakhs

*Number of papers published from April 2015 to March 2016: Five*

#### Awards and honors/national / international conferences attended (full details) during April 2015 to March 2016

- Life member of International Indian Statistical Association (IISA)
- Member of Indian Science Congress Association, Calcutta

**Conference:** Presented a paper in the International Conference on Statistics and Related Areas for Equity, Sustainability and Development & XXXV Annual Convention of Indian Society for Probability and Statistics (ISPS) held at Dept. of Statistics, University of Lucknow, India during November 28-30, 2015.

#### Research & Development:

##### Papers Reviewed for:

- Statistics and Probability Letters by Elsevier.
- Statistical Methodology by Elsevier.
- Communications in Statistics- Theory & Methods by Taylor & Francis Group.
- Statistics by Taylor & Francis Group
- Statistical Papers by Springer.
- Mathematical Statistics and its Applications.

#### Research Collaboration with Institutes outside India:

- Dipartimento di Matematica, Università di Salerno, Via Giovanni Paolo II, n. 132, 84084 Fisciano, SA, Italy.
- Dipartimento di Matematica e Applicazioni, Università di Napoli Federico II, Via Cintia, 80126 Naples, Italy.

#### Details of Administrative Responsibilities:

1. Warden of Boys Hostel, RGIPT (Nov., 2009 – Feb., 2016)
2. Sports Activity of the Students (July, 2009 – Feb., 2016)
3. Chairman of Cultural Program Committee (Mar., 2016- till date)
4. Library Committee Member (Oct., 2012 – till date)



#### Dr. Debashis Panda

Assistant Professor- Chemistry

#### Details of R & D activities

- **Project:** Distribution of uranium and associated water quality parameters in 5 districts of Uttar Pradesh  
**Role:** Co-PI  
**Budget:** 26.97 lakh  
**Agency:** Department of Atomic Energy (BRNS)  
**Status:** Approved (ongoing)
- **Project:** Investigation of Slug Flow manifested Enhanced Mass Transfer and Reaction Kinetics in Microreactors  
**Role:** Co-PI  
**Budget:** 44.48 lakh  
**Agency:** Department of Science & Technology  
**Status:** Under consideration (EMR/2016/001683)

#### Details of R & D activities (Proposal for next two years)

##### Proposal-I:

Electrocatalytic Activity of Graphene supported Metal Nanoclusters and Application thereof

- Role:** Program Coordinator
- Budget:** 30.03 lakh
- Agency:** BRICS (Department of Science & Technology)
- Status:** Under consideration (Proposal No. 144) submitted in August, 2016

##### Proposal-II:

Synthesis & characterization novel Metal nanoclusters for catalytic reaction and bioimaging

##### Proposal-III:

Enhanced pre-treatment method for Biofuel Production

#### Number of papers published

##### Peer-reviewed journals:

- A. Singh, T. Rai, D. Panda, "Photoluminescence dynamics of copper nanoclusters synthesized by cellulose: role of the random-coil structure", RSC Advances, 2016, 6, 55539–55545

##### Conference:

1. T. Rai and D. Panda, "Quantifying the Role of Silver Nanoparticle in Modulation of the Energy Storage Properties of Nanocomposites", 4th International Conference on Advanced Nanomaterial and Nanotechnology (ICANN-2015), Indian Institute of Technology Guwahati (IITG), December, 2015.
2. A. Singh, D. Panda, "Interaction of Enzyme Synthesized Copper Nanocluster with Surfactants" 13th DAE-BRNS Biennial

Trombay Symposium on Radiation & Photochemistry (TSRP-2016), Bhabha Atomic Research Centre, Mumbai, January, 2016.

3. T. Rai and D. Panda, "Decoding The Energy Storage Dynamics Of Nanocomposites" National Conference on Science for Society: An Interdisciplinary Approach and 3rd Lucknow Science Congress (LUSCON- 2015), Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, November 2015.

#### **Awards and honours/national/international conferences attended (full details) during April 2015 to March 2016**

Attended 13th DAE-BRNS Biennial Trombay Symposium on Radiation & Photochemistry (TSRP-2016), Bhabha Atomic Research Centre and the Indian Society for Radiation and Photochemical Sciences (ISRAPS), India to January, 2016.

#### **Thesis supervised**

##### **Ongoing:**

Protein-directed synthesis of metal nanoparticles & nanoclusters: An understanding of their energy dynamics

#### **Membership of any scientific society /organization**

**Life-member:** Indian Society for Radiation and Photochemical Sciences, Mumbai

#### **Administrative responsibility**

1. Chairman, Tender Evaluation Committee
2. Chairman, Sports Committee
3. Coordinator, Mess-Committee
4. Co-Chairman, Tender Evaluation Committee
5. Member, Chemical Purchase Committee
6. Member, Stationary Items Purchase Committee



#### **Dr. Debashish Jena**

Assistant Professor, Management Studies

#### **Guest lecture delivered:**

Delivered invited lectures on Theory of Constraints and Waiting Line Management at IIM, Kashipur during Nov 6-7, 2015

#### **Participation in conference:**

Presented paper at XIXth Annual International Conference of the Society of Operations Management(SOM) IIM Calcutta during Dec 11-13, 2015

*Membership of any scientific society /organization: INFORMS USA*



#### **Dr. K. G Biswas**

Assistant Professor, Chemical Engineering

#### **Publications in International Journals**

1. Mass transfer characteristics of liquid-liquid flow in small diameter conduits, K. Guha Biswas, G. Das, S. Ray, J.K. Basu, Chemical Engineering science, 122 (2015) 562-661.
2. Effect of flow orientation on liquid-liquid slug flow in a capillary tube, K. Guha Biswas, R. Patra, G. Das, S. Ray,

J.K. Basu, Chemical Engineering Journal , 262 (2015) 436-446.

3. The use of bends for enhanced mass transfer during liquid-liquid flow through milli channels, K. Guha Biswas, G. Das, S. Ray, J.K. Basu, International Journal of Heat and Mass Transfer, 84 (2015) 876-892.
4. A simple flow device for enhanced mass transfer in reduced dimensions, K. Guha Biswas, S. Ray, G. Das, J.K. Basu, Chemical Engineering Journal, 279 (2015) 973-982.
5. The influence of bends on liquid-liquid flow through reduced dimensions, K. Guha Biswas, S. Majumdar, G. Das, S. Ray, Chemical Engineering Journal, 281 (2015) 995-1007.

#### **R & D project and development.**

##### **Projects Submitted/Proposed:**

**Project Title :** Investigation of Slug Flow manifested Enhanced Mass Transfer and Reaction Kinetics in Microreactors submitted to Department of Science & Technology (SERB under EMR scheme) as Principal Investigator (Current Status: Stage 1).

**Project Title:** Design and development of in-line static mixers for potential oilfield applications to be submitted to Ministry of Environment, Forest & Climate change, Government of India as Principal Investigator.

**Project Title:** Novel Technique for Production of Methanol and Dimethyl ether as a Sustainable Fuel – An alternative to LPG to be submitted to Department of Science & Technology (SERB under theme-based Call for Proposals initiated by the Program Advisory Committee of Organic Chemistry) as Co- Principal Investigator

##### **Research paper submitted in international journal: One**

One paper submitted to Current Sustainable/ Renewable Energy Reports titled " Role of Biodiesel in Indian Renewable Energy".

##### **Research papers submitted in international Conference: Four**

- Development of a novel static mixer for potential oilfield at Chemcon 2016
- Methanol and Dimethyl ether: Alternative to Existing Fuels at Chemcon 2016
- Preparation and Characterization Titania-Zirconia Nano composite catalyst and Application for Photo Degradation of Malachite Green at Chemcon 2016
- Photocatalytic Degradation of Malachite Green using Nano Titania Catalyst at Chemcon 2016

##### **Administrative responsibility**

- Member Scholarship Committee
- Member of Purchase Committee
- Member Techno Festival and S & T Committee



#### **Dr. Kavita Srivastava**

Assistant Professor, MS

#### **Detail of research/ papers and publication**

1. Srivastava, K., and Sharma, N. K. (2016) "Consumer Perception of Brand Personality: An Empirical Evidence from India" Global Business Review, 17 (2), 375-388



2. Srivastava, K., and Chawla, D. (accepted for 2016) "Demographic and Psychographic Antecedents of Ecologically Conscious Consumer Behavior: An Empirical Investigation" International Journal of Indian Culture and Business Management.

#### Participation in conference

- Participated in Green Revolution Global Certification Program conducted by International Center for Culture & Education; Supported by United Nations Framework Convention on Climate Change
- Participated in Hindi Workshop (with BPCL) conducted at RGIPT NOIDA
- Attended Case Research Workshop conducted at RGIPT NOIDA
- Attended 2nd ORF-PRIO Conference on "FUTURE SCENARIOS FOR AN URBANIZING INDIA: Governance, Security & Environmental Change" Observer Research Foundation (ORF), New Delhi, and the Peace Research Institute Oslo (PRIO), Norway.
- Attended Webinar of ISB-Ivey Global Case Competition 2016
- Presented a paper titled "Consumer Perception of Brand Personality Dimensions" in the conference on Brand Management organized by IIT Delhi on 16-17 April

#### Award/reorganization

Reviewer of *Paradigm* - the Journal of IMT Ghaziabad.

**Membership of any scientific society /organization: AIIMS International**



#### Dr. Manoj Kumar Rajput

Assistant Professor, Mathematics

#### Publications in peer reviewed international journals

M. Kumar and A. Venkatnathan; Quantum Chemistry Study of Proton Transport in Imidazole Chains, J. Phys. Chem. B, 2105, 119, 3213.

#### Administrative responsibility

- Member Mess Monitoring Committee
- Member RGIPT Alumni Association
- Member of Physical verification committee of capital assets
- IT Coordinator
- Convener Institute Medical Policies



#### Dr. M. S Balathanigaimani

Assistant Professor- Chemical Engineering

#### Research Papers

- Wang-Geun Shim, Chan Kim, Jae Wook Lee, M.S. Balathanigaimani, Hee Moon, Surface Structural and Energetic Heterogeneity of Carbon Materials Prepared from

Corn Grains using Steam and H<sub>3</sub>PO<sub>4</sub>-Steam Activations, Surface and Interface Analysis, 48 (2016) 82

- Ji Yoon Kim, M.S. Balathanigaimani, Hee Moon, Adsorptive removal of nitrate and phosphate using MCM-48, SBA-15, Chitosan and Volcanic Pumice, Water, Air, & Soil Pollution, 226 (2015) 431

#### Events Organized/Conducted

- Workshop on "Adsorbed Natural Gas Storage" at ONGC Energy Centre on December'17, 2015
- Short-term course on "Basics of Refining Operation" at IOCL Bongaigaon Refinery from December'08 to 09, 2015.
- Short-term course on "Advanced Petroleum Refining Technology" at IOCL Bongaigaon Refinery from December'10 to 11, 2015.
- Short-term course on "Process for Non-Process Engineers" at IOCL Bongaigaon Refinery on December'12, 2015.
- Short-term course on "Petroleum Refining Technology" September 21, 2015, for non-Chemical Managers of IOCL Digboi Refinery, Assam, India.
- Short-term course on "Advanced Petroleum Refining Technology" September 22-23, 2015, for Managers of various petroleum refineries, Assam, India.

#### Invited Talk

- Workshop on "Adsorbed Natural Gas Storage" August'18, 2015, PT. Barata Indonesia Office, Gresik, East Java, Indonesia.
- Adsorbents for Adsorbed Natural Gas Storage Workshop on "Adsorbed Natural Gas Storage" Workshop on "Adsorbed Natural Gas Storage" December'17, 2015, ONGC Energy Centre.

#### Reviewer of Ph.D. Thesis:

- CSIR-CSMCRI, Bhavnagar

#### Administrative Responsibilities

1. Chairman- Purchase committee
2. Faculty Advisor IICHE Student Chapter
3. HOD of Engineering and Sciences Group
4. Member of Certificate of Academic Excellence certificate Committee
5. Convener of financial power delegation committee



#### Dr. Rakesh Kumar

Assistant Professor, Chemical Engineering

#### Scholastic achievements awards and honors

- Ravi Prakash, Rahul Sharma, Rakesh Kumar "Extractive distillation of isopropyl alcohol & water: a comparative simulation study" Second prize in "Final B.Tech project competition" held at PDPU SPE Fest 2015.
- M.D Belal Haider, Rakesh Kumar "Experimental Study of Ionic Liquid Blends for CO<sub>2</sub> Capture" ISTE-IPCL Best



M.Tech. Thesis Award in Chemical Engineering– 2015, 45th Annual Convention of ISTE on 10th January, 2016.

#### **Lectures delivered at DIGBOI and BONGAIGAON refineries**

- Chemical Process Modeling and Simulation
- CO<sub>2</sub> Capture Techniques
- Advances in Biodiesel Production

#### **Research Interest**

Biodiesel Production

#### **Selected Publications/Conferences**

- Rakesh Kumar, Anil Kumar, Ashok Khanna, “Efficient Homogeneous and Supported Ionic Liquid Catalysts for Production of Linear Alkyl benzenes” *Catalysis in Industry*, 2015, 7(3), 188–197.

#### **Administrative responsibility**

- Chairman, Scholarship Committee
- Member of Techno Festival and S & T Committee
- Convener of Department of Engineering and sciences



#### **Dr. Rohit Bansal**

Assistant Professor, Management Studies

#### **Publications/articles/cases**

1. Rohit Bansal (2015), “A comparative study of financial performance: analysis of selected Indian it companies during 2010-2014, The IUP Journal of Accounting Research & Audit Practices. Vol. XIV, No.4, 43-60.
2. Rohit Bansal, Sanjay Kar, & Saroj Mishra (2015), “Comparative Financial Performance Analysis Of Indian Oil Companies During 2010-2014”, *Oil, Gas & Energy Law Intelligence*, April 2016, pg. 01-29.
3. Rohit Bansal (2015), “Financial analysis of selected Indian gas distribution companies during 2009- 2013”. *Elixir Fin. Mgmt.* 78 (2015) 29597-29605.
4. Sanjay Kar, Saroj Mishra & Rohit Bansal (2015), “Drivers of Green Economy: An Indian Perspective” *Environmental Sustainability*, Springer India 2015.

#### **Industry-academia interactions**

- Attended 2nd Biannual Oil and Gas International Conference on City Gas Distribution- Opportunities & Challenges, Hotel Le Meridien, New Delhi on August 28th 2015.
- Attended Seminar on “Water Resources Management for Sustainable Development”, organized by Petrofed, 5th June 2015, New Delhi.
- Senior Management Meet on Implications of the Union Budget 2015 on the Oil & Gas Sector on March 2, 2015 at the Shriram Hall, PHD House, 4/2, Siri Institutional Area, August Kranti Marg, New Delhi Attended Seminar on “Implications of the Union Budget 2015 on the Oil & Gas Sector”, organized by Petrofed, 2nd March 2015, New Delhi,

#### **Industrial visit**

- Industrial Visit to IOCL Panipat Refinery, 23rd July 2015 (study tour of MBA 2014-16)
- Visit to Department of Science and Technology, New Delhi, with Dr. Ajay Kumar, October 29, 2015.

#### **Reviewer and expert (2015-2016)**

- Developing course on ‘Financial Derivatives’ for Harvard Business Publishing House, Brighton, Massachusetts, United States.
- Developed question bank on “Security Analysis and Portfolio Management” for Harvard Business Publishing House, Brighton, Massachusetts, United States.
- ‘Finance expert’ in Reviewer panel of Harvard Business Publishing House, Brighton, Massachusetts, United States.
- Journal of Economics and International Finance
- Journal of Financial Reporting and Accounting
- Journal of Financial Risk Management
- Journal of Business Economics and Management

#### **Administrative work**

1. Member of MBA and PhD Admission Committee.
2. Member of Placement Committee.
3. Hostel Warden since June 2014 to May-2016.
4. Project Controller of Design and develop a website for RGIPT DOMS from July-2014.
5. Member of Anti ragging committee since Jun-2014.
6. In-charge of social media i.e. Facebook, Twitter, and LinkedIn.

#### **Conference & workshop**

- Attended seminar, on “Implications of the Union Budget 2015 on the Oil & Gas Sector” on March, 2015, PHD Chamber, New Delhi.
- International Seminar on “Water Resources Management for Sustainable Development”, Organised by Petrofed, Siri Fort complex, New Delhi, June 5, 2015
- Attended 2nd Biannual Oil and Gas International Conference on “City Gas Distribution- Opportunities & Challenges”, Hotel Le Meridien, New Delhi August 28, 2015
- Hindi Workshop (with BPCL), RGIPT Noida, October 20, 2015
- Case Research Workshop RGIPT Noida November 3, 2015
- Digital Workshop on Smart Book, RGIPT Noida December 10, 2015
- One day workshop on “Standards Knowledge Sharing For The Oil & Gas Pipeline Industry” organised by Asme International Working Group (ASME IWG) & Oil India Safety Directorate (OISD) on February 5, 2016.
- 2nd ORF-PRIO Conference on “FUTURE SCENARIOS FOR AN URBANIZING INDIA:
- Governance, Security & Environmental Change”. Organised by Observer Research Foundation (ORF), New Delhi, and the Peace Research Institute Oslo (PRIO), Norway. February 8, 2016.



### Dr. Susham Biswas

Assistant Professor- Geo Informatics

#### Paper and publication

- Zafar I. and Biswas S., 'Image processing technique for oil spill dispersion', Journal of Basic and Applied Engineering Research, ISSN 2350-0077, Volume 2, Number 13, April-June, 2015, pp. 1156-1158

#### R & D project and development:

- Carrying out two internal research projects

#### Award/ reorganization

- Awarded the Best teacher award at RGIPT

*Membership of scientific society /organization: Indian society of remote sensing*

#### Administrative responsibility:

1. Managed institute's academic responsibilities as Academic Coordination
2. Managed UG and PG admission
3. Techno Festival and S & T committee activities as Chairman;
4. Disciplinary Committee Member;
5. Acting as chairman of Tender Opening committee

#### Thesis supervised

- Supervising an PhD student

*Organized three workshops/seminars on topics such as Buddhism, Archeology, & Entrepreneurship for UG students.*



### Dr. S. Sharma

Assistant Professor- Petroleum Engineering

#### Research Project:

- One major project on "Development of Polyionic Liquid Based Silicate Muds for Wellbore Stability in Shale Reservoirs" Funded by DST India (2015-2018)

#### Publications:

- "An empirical correlation for estimating the viscosity of non-Newtonian waxy crude oils", Shivanjali Sharma, Vikas Mahto, Virender Parkash Sharma & Amit Saxena, Journal of Petroleum Science and Technology, Vol; 34(6), pp. 523-530
- "Experimental and modeling hydraulic studies of foam drilling fluid flowing through vertical smooth pipes", Amit Saxena, A.K. Pathak, Keka Ojha, Shivanjali Sharma, Egyptian Journal of Petroleum, DOI: 10.1016/j.ejpe.2016.04.006

#### Courses attended:

- Attended 11th program on "Latest Trends in Petroleum Exploration", 4th-6th February, 2016 at KDMIPE, Dehradun.
- Attended 4th Seminar on "Drilling Technology", 8th-9th October, 2015, Institute of Drilling Technology, Dehradun

#### Administrative responsibility

1. Member of Anti Ranging Committee
2. Member of Program Committee
3. Warden, Girls Hostel

4. Chairperson of RGIPT, Women Cell
5. Programme Convener of Petroleum Engineering & Geoscience Group



### Dr. S. Mishra

Assistant Professor, English

#### Recent Publications

- Mishra S, Singh. P.2015. "Reflections of Indian Sensibility: A Study of Complex Saga of Man-Woman Relationships in Bimal Roy's Bandini". New Academia: An International Journal of English Language, Literature and Literary Theory, Vol. IV Issue III, July; 1-16.

#### Poetry published:

- Mishra S. Love and Nostalgia, New Academia: An International Journal of English Language, Literature and Literary Theory, Vol. IV Issue I, Jan. 2015.
- Mishra S. Riot, New Academia: An International Journal of English Language, Literature and Literary Theory, Vol. IV Issue I, Jan. 2015.
- Research Interests: Indian Cinema, Film Studies, Advertising Script and Theory, Contemporary Literature, Indian Writing in English, Feminism and Gender Issues in Indian Writing in English, Communication and International Relations, Communication and Indian Security Issues.
- Ph.D: One ongoing.

#### Conferences and Workshops:

- National Seminar on Trends, Challenges and Innovations in Management, sponsored by U.G.C Mahatma Gandhi University, Nalgonda, Telangana, 2015.

#### Administrative responsibility

1. Member of Anti-Ranging Committee
2. Chief Warden (till February 2016)
3. Convener Sciences and Humanity Group



### Dr. Sanjay Kar

Assistant Professor & HoD — Management Studies

#### Journal Publication

- Kar SK (2016). India's green energy; past, present and the future. South Asia Journal. Summer Issue: 17
- Kar SK, Sharma A and Roy B (2016). Solar energy market developments in India. Renewable & Sustainable Energy Reviews, Vol.62, pp.121-133
- Kar, SK, Sinha, P.K., and Mishra, S. (2016). Sabarkantha Gas Limited: Challenges of Marketing Natural Gas, Asian Case Research Journal, Singapore. Vol. 20. Issue1. pp.1-41.
- Vaid M and Kar, SK (2016). TAPI pipeline progresses, but future uncertain. Oil & Gas Journal, May 2, Penn Well, US
- Bansal, R., Kar SK, and Mishra S. (2016). A Comparative Financial Performance Analysis: Study of Indian and Global Oil Companies, OGEL (Advanced publication).1

- Kar, SK (2015). Renewable Energy Market Developments: A Case of India. Renewable Energy Law and Policy Review. Issue 4.
- Kar, SK and Gopakumar K. (2015). Progress of renewable energy in India, Advances in Energy Research, Vol. 3, No. 2 (2015)
- Kar, SK and Sharma A. (2015). Wind Power Developments in India. Renewable & Sustainable Energy Reviews, August, Vol.48, pp. 264-275.
- Book Publication
- Energy Sustainability Through Green Energy (Eds.), A Sharma and SK Kar, Springer, India, 2015

#### Book Chapter

- Kar SK and Mishra A (2016). Renewable Energy Financing in India. In: Energy Security and Sustainability (with A. Mishra, Edited by A Shukla and A Sharma, CRC Press/Taylor and Francis Group, USA 2016.
- Kar SK (2015). Natural Gas to Drive Green and Sustainable Developments in India. In: Energy Sustainability Through Green Energy 2015, Edited by A Sharma and S K Kar, Springer 2015.
- Kar SK and Sharma a. (2015) Insights into Wind Market Developments in India. In: Energy Sustainability Through Green Energy, Edited by A Sharma and SK Kar, Springer 2015.
- A Sharma, K Srivastava and Kar SK (2015). Jawaharlal Nehru National Solar Mission in India. In: Energy Sustainability Through Green Energy 2015, Edited by A Sharma and SKKar, Springer 2015.

Kar SK, Mishra S. and Bansal R. (2015). Drivers of Green Economy: An Indian Perspective. In: Environmental Sustainability: Role of Green Technologies, Edited by P.Thangavel and G.Sridevi, Springer 2015.

#### Column in Newspapers/Websites

1. India on the e-highway: Miles to go, but worth the try, May 11, 2016 <<http://southasiamonitor.org/detail.php?type=emerging&nid=16912>>
2. Gas reforms: Shot in the arm for CGD sector, DNA, 14 April 2016. <<http://www.dnaindia.com/analysis/column-gas-reforms-shot-in-the-arm-for-cgd-sector-2201896>>
3. Importing liquefied natural gas (LNG) is the best alternative remedy for India's natural gas deficiency, Financial Express, 12 April 2016 <<http://www.financialexpress.com/article/fe-columnist/lng-can-secure-indias-energy-future/235247/>>
4. Solarization Movement: Solar Power Rising in South India, The Hans India, 8 April 2016.<<http://www.thehansindia.com/posts/index/News-Analysis/2016-04-08/Solarization-Movement-Solar-Power-Rising-in-South-India/219813>>
5. Let us turn green: Role of natural gas and renewable in creating a green energy market in India, South Asia Monitor, 31 March 2016 <<http://southasiamonitor.org/detail.php?type=development&nid=16188>>
6. Impact of City Gas Distribution on Gas Market Developments in India, The Hans India, 31 March 2016 <<http://www.thehansindia.com/posts/index/National/2016-03-31/Impact-of-City-Gas-Distribution-on-Gas-Market-Developments-in-India/217936>>

#### Conference Proceedings

- Kar, SK (2016). Growth & Development of Natural Gas in India. ICEIM, SPM, PDPU Gandhinagar, India, 18-19 February
- Negi N. and Kar, SK (2016). Application of Queuing system waiting line operations theory to optimize the utilization of CNG stations. International Conference on Energy and Infrastructure Management (ICEIM-2016), SPM, PDPU Gandhinagar, 18-19 February 2016

#### Conference papers/Presentations

- Green Energy Market in India: Role of Natural Gas and Renewables, 16th Global Energy Village Summit, Salzburg, Austria, 11-13 April 2016
- Growth and development of Natural Gas Business in India, International Conference on Energy and Infrastructure Management (ICEIM-2016), SPM, PDPU Gandhinagar, 18-19 February 2016
- Application of Queuing system waiting line operations theory to optimize the utilization of CNG stations (with N.Negi), International Conference on Energy and Infrastructure Management (ICEIM-2016), SPM, PDPU Gandhinagar, 18-19 February 2016

#### Training Program

- Conducted Management Development Program on "Negotiation Skills", at Department of Management Studies (NOIDA), Rajiv Gandhi Institute of Petroleum Technology, November 5-6, 2015
- Conducted training program on "Negotiation Skills" for field officers of Indian Oil Corporation Limited, August 7-8, 2015

#### Invited Speaker

- Renewable Energy Market in India, NTPC Business School, 2016
- The Indian Gas Market, its Outlook and Challenges. 5th Annual Conference on LNG Business: Amid Low Oil Prices, organized by Infraline, 26-27 August 2015, New Delhi, India

#### Invited talk through Video Conference

Delivered a talk on "Solar Energy Market Developments in India" to PG, undergraduate, and faculty members of DCSMAT Institutions, Kerala on 30th October 2015



#### Dr. Saroj Kumar Mishra

Assistant Professor — Management Studies

#### Detail of Research/ Papers and Publication

- Bansal, R., Kar, S. K., **Mishra, S. K.**, "A Comparative Financial Performance Analysis: Study of Indian and Global Oil Companies", Oil, Gas & Energy Law Journal (OGEL) [ISSN: 1875-418X], April 2016.

#### Participation in Conference/Workshop

- Srivastava, K. and **Mishra, S. K.**, "Consumer Perception of Brand Personality Dimensions", Emerald Proceedings of Conference on Brand Management (CBM2016, a Refereed International Conference, ISBN: 9781786354112), 16-17



April 2016, IIT Delhi (in association with Curtin University, Australia).

- 2nd ORF-PRIO Conference on “*Future Scenarios for an Urbanizing India: Governance, Security & Environmental Change*”, 08 February 2016, Observer Research Foundation (ORF), New Delhi, and the Peace Research Institute Oslo (PRIO), Norway.
- “*Standards Knowledge Sharing for The Oil & Gas Pipeline Industry*”, ASME International Working Group (ASME IWG) & Oil India Safety Directorate (OISD), 05 February 2016, OIDB, Noida.
- “*Digital Workshop: Smart Book*”, Tata McGraw-Hill Publishing Co. Ltd., 10 December 2015, RGIPT Noida.
- “*Workshop on Understanding Consumers in Digital Era*”, conducted by Centre for Marketing in Emerging Economies (CMEE) of IIM Lucknow, 16-17 November 2015, IIM Lucknow Noida Campus.
- “*Case Research Workshop*”, 03 November 2015, RGIPT Noida
- “*Hindi Workshop*”, by BPCL, 20 October 2015, RGIPT Noida
- Seminar on “*Water Resources Management for Sustainable Development*”, organized by Petrofed, 05 June 2015, New Delhi.

### Award/ Reorganization

**Paper Reviewer:** Journal of Financial Risk Management (JFRM)

**Membership of any Scientific Society/Organization:**

- European Marketing Academy (EMAC)
- Association of Indian Management Scholars (AIMS International)
- International Society for Development and Sustainability (ISDS)

### Administrative Responsibility

1. Chief-Warden of RGIPT MBA Hostel, Noida.
2. Joint-Coordinator of MBA & PhD Admission 2016, Department of Management Studies, RGIPT Noida.

### Industrial Visit

IOCL Panipat Refinery, 23 July, 2015 (study tour of MBA 2014-16 batch).

### Reviewed Research Papers

- “The Impact of Asset Price Bubbles on Credit Risk Measures”, Journal of Financial Risk Management (JFRM), 29 Sept 2015.
- “Managers’ Perception towards Dividends and Dividend Policy –Evidence from Bangladesh”, Journal of Financial Risk Management (JFRM), 08 July 2015.



### Dr. T. Sharma

Assistant Professor- Petroleum Engineering

### Journal publications

- T. Sharma, N. Velmurugan, P. Patel, B.H. Chon, J.S. Sangwai (2015). Use of Pickering emulsion stabilized by nanoparticles in combination with polymer flood for enhanced oil recovery. *Petroleum Science and Technology*. 33: 1595-1604.

- T. Sharma, J.S. Sangwai (2015). Interaction of electrolyte on the stability and dynamic rheological properties of oil-in-water (o/w) Pickering emulsion stabilized by nanoparticle-surfactant-polymer (NSP) system. *Industrial & Engineering Chemistry Research*. 54: 5842-5852.

### Conference Proceedings:

- N. Velmurugan, G. Bansal, T. Sharma (2015). WellCON: An Early Kick Detection System. Abu Dhabi International Petroleum Exhibition and Conference, 9-12 Nov, Abu Dhabi. SPE-177670-MS.
- N. Velmurugan, G. Bansal, T. Sharma (2015). WellCON: Early Kick Detection System Extended to Kill Sheet. International Petroleum Technology Conference, 7-9 Dec, Doha, Qatar. IPTC-18524-MS.

### R & D project and development.

- Development of Polymer Coated Nanoparticle Stabilized Foams for Oilfield Applications Funded by Department of Science and Technology (DST), India (Principal Investigator). (~ 43 Lakhs INR)
- 2. Founder and faculty-in-charge of EOR and Flow Assurance laboratory.

### Award/reorganization

- Event organizer of “EOR Projects in India” one day workshop conducted by ONGC India and IIT Delhi, November-2015, RGIPT Rae Bareli, India.
- Event Organizer of “Applications of Rheology in Petrochemical Industry” one day workshop conducted by International Company Anton-Paar, Austria, August 2015, RGIPT Rae Bareli, India.

**SPE membership: SPE member number 3434114**

### Administrative responsibility

1. Oct 2015-till date Member, Standing Technical Committee, Petroleum Engineering, RGIPT Rae Bareli, India.
2. March 2016-till date Founder and faculty-in-charge of the laboratory, EOR and Flow Assurance lab, RGIPT Rae Bareli, India.
3. March 2016-till date Faculty advisor of SPE student chapter at RGIPT Rae Bareli, India: SPE number-3434114
4. March 2016-till date Member, Techno Festival and S&T Committee, Petroleum Engineering, RGIPT Rae Bareli, India.
5. May 2016-till date Member, Institute Placement Committee, Petroleum Engineering, RGIPT Rae Bareli, India

### Project Proposals under consideration

- Using nanoparticles to formulate drilling/completion fluid for unconventional drilling. (the proposal has been submitted to IDT ONGC, Dehradun) (As Principal Investigator) (~42 Lakh).
- Development of a self-sealing fluid to enhance wellbore stability and combat lost circulation in unconventional formations. (the proposal has been submitted to OREN Hydrocarbons, Hyderabad) (As Principal Investigator) (~23 Lakh).

### Dr. Umaprasana Ojha

Associate Professor, Chemistry and Associate Dean, Academic Affairs

#### Research Publication

- Umaprasana Ojha, Rewati Raman Ujjwal & Anuj Kumar A PROCESS FOR THE PREPARATION OF POLYACRYLOYL HYDRAZIDE STABILIZED SILVER NANO PARTICLES AND THE PRODUCTS OBTAINED THEREBY PCT Int. filed. 2015, PCT/IN2015/000383.
- Ujjwal, R. R.; et al A General Reagent Free Route to pH Responsive Polyacryloyl Hydrazide Capped Metal Nanogels for Synergistic Anticancer Therapeutic ACS Appl. Mater. Interface 2015, Accepted
- Umaprasana Ojha, Anuj Kumar, Polyacryloyl hydrazide based hydrogels. Patent Ind. Appl. 2015, 819/DEL/2015.
- Umaprasana Ojha, Rewati Raman Ujjwal & Anuj Kumar, Nanogels for Anticancer therapeutics, Patent. Ind. Appl. 2015, 367/DEL/2015.
- Anuj Kumar, Umaprasana Ojha Polymeric drug carriers through covalent attachment and encapsulation for controlled delivery purposes Int. J. Plast. Tech.2015 , Ahead of Print.

#### Research Interests

- Synthesis and Characterization of nano-structured materials and networks for the following applications
- Enhanced oil recovery
- Gas separation and storage
- Implantable medical device
- Photo voltaics

#### Administrative responsibility

1. Associate Dean, Academic Affairs
2. Member of Alumni Association, RGIPT
3. Convener of accommodation committee



### Dr. U D Dwivedi

Assistant Professor, Electrical Engineering

#### Participation in Conference/Seminar/Programmes

- Dr. UD Dwivedi co-chaired a technical session on Stability Analysis in the 1st UPCON ICEEE organized by IEEE UP Section on 26-27 March 2015.

#### Papers Submitted/Accepted/Reviewed/Published

- Dr. UD Dwivedi: One Paper accepted in SPE Annual Technical Conference and Exhibition, to be held on 28-

30 September 2015 at Houston, Texas, USA. The accepted paper will be presented in Session 30 - Petroleum Advanced Analytics: Data to Barrels - Demonstrating the Power of Data Analytics in Upstream.

- Dr. UD Dwivedi was invited to co-chair technical session-VII on Stability Analysis in the 1st UPCON ICEEE organized by IEEE UP Section on 26-27 March 2015.
- Dr. UD Dwivedi submitted a paper in IEEE UPCON15.



### Dr. V. S Sistla

Assistant Professor, Chemical Engineering

#### Detail of research/ papers and publication

##### Publications

- Sistla,V.S., A. Sharma., Synthesis of  $\text{CaCl}_2 \cdot 6\text{H}_2\text{O}$  by using Phase Diagram and verification of its ability to remain as a Hexahydrate at various thermal effects, J.Alt. Ener. Sour. & Tech. 2015, 6(3): 60-71.

##### Peer reviewed conference proceedings

- Bijoy.K.Purohit, Sistla,V.S., Effect of Heterogeneous surface on the nucleation of  $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$  in aqueous solution, CHEMCON, IIT Guahati, December 2015.
- Sistla,V.S., Bijoy.K.Purohit., A. Sharma., Selective crystallization of Hexa and Tetra hydrates of  $\text{CaCl}_2$  in aqueous solution, INCEEE(2015), NIT Warangal, India.

##### Participation in conference:

- V.S.Sistla; Composite material development for Thermal energy storage, 3rd Indo-German workshop, IIT Guwahati, 23-26.02.2016.
- Bijoy.K.Purohit, Sistla,V.S., Effect of Heterogeneous surface on the nucleation of  $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$  in aqueous solution, CHEMCON, IIT Guahati, December 2015.
- Sistla,V.S., Bijoy.K.Purohit., A. Sharma., Selective crystallization of Hexa and Tetra hydrates of  $\text{CaCl}_2$  in aqueous solution, INCEEE(2015), NIT Warangal, India.
- Thesis supervised: 3 B.Tech Thesis supervised during the SS 2015

##### Administrative responsibility

1. Member of "Arpan" Social Club
2. Member of Disciplinary committee
3. Warden Boys hostel



## Administrative Staff

Raghunath Bhattacharya  
Deputy Registrar

Jitendra Prasad  
Corporate Communication Officer

Harish Kumar Yadav  
Executive Engineer (Civil)

Anil Kumar Verma  
System and Network Administrator

Sudhir Arora  
Store and Purchase Officer

Mr. Arun Kumar Singh  
AR (Sec. to the Director)

Supriya Misra  
Assistant Registrar (Audit & Accounts)

Rakesh Kumar Singh  
Assistant Registrar (Audit & Accounts)

Niharika Joshi Bhatt  
Assistant Registrar

Narian Kumar Lengay  
Junior Admin Officer

Ankit Mohan  
Junior Admin Officer

Shweta Negi  
Private Secretary

Shikha Malhotra  
Account Officer

Md. Iltaf Zafar  
Sr. Technical Superintendent

Deepak Asthana  
Jr. Technical Superintendent

Dharmendra Pratap Singh  
Physical Training Instructor

Lokesh Bhatnagar  
Assistant (IT)

Arun Kumar Singh  
Jr. Technical Superintendent

Madhu Priya  
Jr. Superintendent

Umesh Kumar Sharma  
Jr. Superintendent

Tej Prakash Joshi  
Jr. Superintendent

Yogesh Sharma  
Junior Accountant

Ashwini Kumar Chaudhary  
Junior Assisnat (System)

Vivek Singh  
Jr. Assistant

Ashok Kumar  
Jr. Mechanic

Amit Kumar Bajpai  
Junior Assistant

Preeti Singh  
Junior Assistant

Umesh Kumar Sharma  
Junior Assistant

Nagesh Kumar  
Junior Assistant

Govind Kumar Tiwari  
Junior Library and Information Assistant

Krishna Kumar Sinha  
Accountant

R. V. Gujral  
Lab Supervisor

## Audited Financial Report Of RGIPT For 2015-16

### Accounts For The Year 2015-16

The Audited Accounts of RGIPT for the year 2015-16 are attached as Annexure-I. The highlights of the Accounts are as follows:

#### 1. Corpus Fund/Capital Fund (Schedule 1 to Balance Sheet):

##### Jais

The Corpus Fund of Rs 33884.00 lakh (which includes Rs.25000.00 lakh contributed by the promoting Oil PSUs and surplus interest ploughed back) stands invested in Bank FDs. The interest earnings from this fund are utilized for recurring expenses and surplus is reinvested on regular basis.

##### Assam

The Corpus Fund of Rs.20964.00 lakh (which includes Rs.17783.00 lakh contributed by participating Oil PSUs and surplus interest ploughed back) stands invested in Bank FDs. The interest earning has been used for recurring expenses and surplus is reinvested on regular basis.

At the year end the excess of income over expenditure to the extent of the surplus interest lying invested in FDs with banks/ Non-tradable Government Securities has been ploughed back to Corpus Fund as follows:

	Jais (Rs. in lakhs)	Assam (Rs. in lakhs)
From Income & Expenditure account for 2015-16	2090.00	3181.00

#### Fund towards Capital Expenditure

The status of Capital Fund received as on 31.3.2016 from Government of India and Grant from OADB/PSU is as follows:

##### A. Jais/Rae Bareli Campus:

- GOI Fund of Rs. 8600.00 lakh was received upto 2010-11. During the year, 2015-16 received Rs.4800.00 Lakhs.
- OADB Grant received upto 31.3.2015 amounts to Rs. 15019.00 lakh. During the year 2015-16 received Rs.2064.00 Lakhs.

##### B. Assam Centre:

The Capital Fund received from PSU and OADB as on 31.3.2016 amounted to Rs. 5116.00 lakh. No capital fund has been received from PSU /OADB during the year. The Grant drawn from OADB stands at Rs.100.00 lakh.

#### 2. Reserve and Surplus (Schedule 2 to Balance Sheet)

##### General Reserve.

During the year, Rs. 2076 lakh has been credited to General Reserve by way of transfer of the excess of income over expenditure as on 31.3.2016. (The previous year transfer to General Reserve was Rs.2400.00 Lakh).

##### Depreciation Fund

In order to facilitate suitable funding for replacement of assets in future years, a Fund was created in 2011-12 by transferring equivalent amount of depreciation charge from Income and Expenditure account. The accumulated yearend balance including interest earned from the investment made out of Depreciation Fund amounts to Rs.1271.00 Lakh.

#### 3. Earmarked Funds: (Schedule 3 to Balance Sheet)

Earmarked Fund of Rs. 38.88 lakh as on 31.3.2016 represents the balance available in Chevron Scholarship Fund after disbursement of Rs 19.44 lakh during the year.

#### 4. Deferred Credit Liability (Schedule 4 to Balance Sheet)

The amount of Rs. 76.56 lakh as on 31.3.2016 represents the balance amount of Research Project Grants received from various agencies like Department of Science and Technology (DST), SERB etc. for future utilization.

#### 5. Current Liabilities & Provisions (Schedule 5 to Balance Sheet)

1. Rs. 2482.00 lakh as on 31.03.2016 represents liability for unpaid bills, including Rs. 2279.00 lakh towards Capital Work and balance towards other revenue expenses/ bills.
2. Rs. 137.57 lakh is liability towards outstanding Statutory Dues for March 2016 payable in 2015-16.
3. Includes Rs. 3122.00 lakh towards refundable EMD/ Security Deposit / Retention Money and Student Alumni / Welfare Fund/refundable to IIPe.
4. Based on Actuarial Valuation the accumulated provision of Rs. 126.61 Lakh has been made towards Retirement benefits for Gratuity and Leave Encashment in current year accounts.

#### 6. Fixed Assets (Schedule 6 to Balance Sheet)

Capital items amounting to Rs. 111.00 lakh were added during the current year for Temporary Campus at Rae Bareli, Assam Centre and MBA Campus at Noida which includes IT equipment, Furniture & Fixtures, Lab Equipment, Electrical



equipment, Library Books etc. The Gross Block of Fixed Assets amounted to Rs. 2211.00 lakh including land and the Net Block of Fixed Assets amounted to Rs. 1249.00 Lakh after deduction of Rs. 172.00 Lakh on account of depreciation during current year.

## 7. Capital Work in Progress (Schedule 6 to Balance Sheet)

The Capital Work in Progress as at 31.03.2016 amounted to Rs. 34286.00 Lakh which includes Rs. 31676.00 Lakh towards Jais campus project and Rs. 2610.00 Lakh for Assam Centre. The CWIP expenses represent payments towards Soil investigation, PMC fee, site grading, boundary wall, civil construction, secured advance for project materials and project administration expenses. Also, Rs. 314.00 Lakh paid to UPPCL for laying cables for supply of electricity to Jais Campus.

## 8. Investments (Schedule 7 and 8 to Balance Sheet)

Investments from Earmarked fund of Rs. 24.00 lakh represents scholarship grant received from Chevron. Investment others represents Rs. 600.00 lakh investment in non-tradable RBI Bond.

## 9. Current Assets & Loans and Advances (Schedule 9 to Balance Sheet)

The Bank Balance of Rs. 61282.00 lakh as on 31.3.2016 includes the following amount

- a. Rs. 53410 Lakh towards Fixed Deposits with various Banks
- b. Loans and advances include:
  - Rs. 252.00 lakh towards balance amount of mobilization advance paid to contractor for Jais Campus work, which is recoverable against monthly running bills
  - Rs. 2052.00 lakh on account of accrued interest income on investment
  - Rs. 185.00 lakh recoverable from UPSIDC

- Receivable from Govt. of India against budgetary support Rs. 3111.00 Lakh
- Deposit with CPWD Assam Rs. 100.00 Lakh

## 10. Income (Schedule 10, 11 and 12)

Total Income of Rs 5454.00 lakh includes interest earning from Fixed Deposits of Rs. 4768.00 Lakh (including accrued interest of Rs. 3577.00 lakh) and Rs. 480.00 Lakh towards Students' Fee and Application Fee.

## 11. Expenditure (Schedule 13, 14 and 15)

The major head wise expenses for the year are tabulated in Schedule 13, 14 and 15 along with previous year figures as per the summary given below:

Schedule No	Expenses	2014-15 (Rs. in lakhs)	2015-16 (Rs. in lakhs)
13	Academic	751	609
14	Establishment	755	767
15	Other Administrative	564	629
<b>Total</b>		<b>1434</b>	<b>2005</b>

## 12. Audit Report on Accounts.

After review by Finance Committee and approval of the Board of Governors in the meetings held on 23<sup>rd</sup> November 2016, the Accounts for the year 2015-16 were audited by the Principal Director Commercial Audit & Ex-Officio Member, Audit Board II, New Delhi. A copy of the letter No. RAP/IOC/RGIPT/47-5/2016-17/360 dated 28<sup>th</sup> October 2016, received from Principal Director of Commercial Audit & Ex-Officio Member, Audit Board II, along with the Audit Report is attached in Annexure-II. The Audit Report on Accounts for the year 2015-16 does not contain any adverse comments.

## ANNEXURE – I

# ACCOUNTS FOR THE FINANCIAL YEAR

*2015–16*

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**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY  
RAE BAREIL**



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**ACCOUNTS  
FOR THE FINANCIAL YEAR 2015-16**

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY  
RAE BARELI**

**ACCOUNTS FOR THE FINANCIAL YEAR 2015-16**

1. BALANCE SHEET AS ON 31<sup>ST</sup> MARCH 2016
2. INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31<sup>ST</sup> MARCH 2016
3. RECEIPT & PAYMENT ACCOUNT FOR YEAR ENDED 31<sup>ST</sup> MARCH 2016

**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAE BARELI**  
**BALANCE SHEET AS AT 31ST MARCH' 2016**

			AMOUNT (₹)	
CORPUS/ CAPITAL FUND AND LIABILITIES	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR	
CORPUS /CAPITAL FUND	1	8,91,44,05,561.41	7,78,93,82,195.94	
RESERVES AND SURPLUS	2	87,75,06,225.50	63,59,57,146.68	
EARMARKED / ENDOWMENT FUNDS	3	38,88,053.38	37,29,695.38	
SECURED LOANS AND BORROWINGS		-	-	
UNSECURED LOANS AND BORROWINGS		-	-	
DEFERRED CREDIT LIABILITIES	4	76,56,123.75	54,80,202.00	
CURRENT LIABILITIES AND PROVISIONS	5	59,74,75,548.00	62,33,57,858.00	
<b>TOTAL</b>		<b>10,40,09,31,512.04</b>	<b>9,05,79,07,038.00</b>	
<b>ASSETS</b>				
FIXED ASSETS	6	3,55,35,16,390.55	2,78,88,01,861.55	
INVESTMENTS- FROM EARMARKED/ENDOWMENT FUNDS	7	24,00,000.00	24,00,000.00	
INVESTMENTS-OTHERS	8	6,00,00,000.00	6,00,00,000.00	
CURRENT ASSETS, LOANS, ADVANCES ETC.	9	6,78,50,15,121.49	6,20,67,05,236.45	
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)		-	-	
<b>TOTAL</b>		<b>10,40,09,31,512.04</b>	<b>9,05,79,07,038.00</b>	
<b>SIGNIFICANT ACCOUNTING POLICIES</b>	17	Enclosed		
<b>CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS</b>	18	Enclosed		

 **DY. REGISTRAR**  
 **DIRECTOR**  
 **PRESIDENT (BoG)**

# FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAE BARELI

INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31ST MARCH'2016

AMOUNT (₹)		SCHEDULE	CURRENT YEAR	PREVIOUS YEAR
INCOME				
INCOME FROM SALES/SERVICE			0.00	0.00
GRANTS/SUBSIDIES			0.00	0.00
FEES/SUBSCRIPTIONS		10	4,79,38,366.00	5,69,49,688.33
INCOME FROM INVESTMENTS				
(Income on investment from earned/endowment funds transferred to funds)				
INCOME FROM ROYALTY, PUBLICATION ETC.		11	47,68,95,453.45	47,86,49,889.72
INTEREST EARNED		12	32,39,692.00	26,19,817.50
OTHER INCOME			1,72,43,382.00	1,71,77,131.00
DEFERRED REVENUE INCOME (TRANSFERRED FROM CAPITAL FUND - DEPRECIATION)			54,53,76,893.45	55,53,96,526.55
<b>TOTAL - (A)</b>				
EXPENDITURE				
ACADEMIC EXPENSES		13	6,38,72,997.00	7,51,53,693.55
ESTABLISHMENT EXPENSES		14	7,57,24,791.00	7,54,99,699.00
OTHER ADMINISTRATIVE EXPENSES		15	6,29,81,584.63	5,63,92,758.65
EXPENDITURE ON GRANTS, SUBSIDIES ETC.			0.00	0.00
PROVISION FOR DOUBTFUL DEBTS			3,72,500.00	0.00
PRELIMINARY EXPENSES WRITTEN OFF			0.00	0.00
DEPRECIATION (Net Total at the year end - corresponding to Schedule - E)			1,72,43,382.00	1,71,77,131.00
<b>TOTAL - (B)</b>			21,81,15,254.63	22,42,28,282.20
BALANCE BEING EXCESS OF INCOME OVER EXPENDITURE FOR THE YEAR C - (A-B)			32,72,61,638.82	33,11,68,344.35
ADD (LESS) : PRIOR PERIOD ADJUSTMENT (NET) (D)			56,47,628.80	-47,23,467.00
NET EXCESS OF INCOME OVER EXPENDITURE (C-D)		16	33,39,09,266.82	32,64,44,777.35
TRANSFER TO DEPRECIATION FUND			1,72,43,382.00	1,71,77,131.00
TRANSFER TO (FROM) CORPUS FUND RAEBARELI (Accumulated Interest Utilised)			(29,50,85,113.00)	18,16,02,066.00
TRANSFER TO CORPUS FUND ASSAM			31,81,29,584.80	10,36,55,740.00
TRANSFER TO GENERAL RESERVE			20,76,21,413.82	2,48,08,840.35
BALANCE BEING SURPLUS(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND			0.00	0.00
SIGNIFICANT ACCOUNTING POLICIES		17	Excluded	
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS		18	Excluded	

DY. REGISTRAR *P. V. Shastri* DIRECTOR *P. V. Shastri* PRESIDENT (BoG) *P. V. Shastri*

वर्ग (रु) / HEAD (₹IN)



PREVIOUS YEAR	RECEIPTS	AMOUNT (Rs.)	AMOUNT (Rs.)	PREVIOUS YEAR	PAYMENTS	AMOUNT (Rs.)	AMOUNT (Rs.)
	<b>OPENING BALANCES</b>				<b>EXPENSES</b>		
	IN SAVING ACCOUNTS						
4228052.11	ICICI Bank - 000701200248	35527.4.11		5851508.72	Academic Expenses	55801692.00	
540317.20	HDFC Bank - 00031110004469	3000695.82		67736257.00	Establishment Expenses	72536948.00	
38570380.48	Corporation Bank - 027032	337076958.48		51928636.07	Administrative Expenses	89709913.32	
		994.6.00		224589.00	Prior Period Expenditure	202405.00	18412528.32
		1965799.28					
		297942.17			<b>REFUNDABLE PAYMENTS</b>		
		952126.88		15664433.00	Previous Year Statutory Dues	1587064.00	
		653938.00		6856848.00	Utilization Of Research Grants	3410518.25	
		34523737.50		436480.00	Security Deposit Students	584000.00	
		0.00		90719.00	Payment Against Sale Cheques	78348.00	
		381852.82		0.00	Modulation Inward to ODS	27500293.00	
		3411838.00		1943746.00	Scholarship Paid	1233390.00	
		2500.00		4200.00	Alumni Fund	900.00	
		4800813.88		600.00	Student Welfare Fund	600.00	
		441182532.75		0.00	Prize on behalf of IEP	450000.00	
				0.00	Research Grant Refundable	157469.00	
4810607403.00	<b>WITH SCHEDULED BANKS</b>						3610072.25
	<b>GRANTS RECEIVED</b>				<b>REFUNDABLE PAYMENTS</b>		
815250537.00	Capital Fund From ODS	22640000.00	5635751744.75	240090.00	Security - Deposit Paid (Others)	250500.00	
7710598.00	Research Grants	7503293.00		0.00	Excess donated by BOB	2262.00	
2796707.00	Budgetary Support from GOI	45000000.00		71000.00	Earnest Money Refund	140560.00	
	Scholarship Grant	1181230.00					
					<b>ADVANCES</b>		
					0.00	Advance for Patent	411113.00
					0.00	CWP Fixed Assets	13070.00
					1000000.00	Deposit With Govt	0.00
					30897.00	Purchase Of Services	0.00
					0.00	Advance To Staff	124800.00
	<b>WING RECEIPTS ON A/C OF CAPITAL FUND</b>						
4290673.50	Interest On P/a - Capital Fund 1st	5432972.00			<b>FIXED ASSETS</b>		
31732250.53	Int. On P/a - Capital Fund (Assam)	26902032.47		771348412.00	Ons Jans	645665702.00	
551111.50	Int. On P/a - Capital Fund (Orissa)	1212573.00		34007814.00	Ons Assam	2754257.00	
7552997.20	Int. On P/a - Depreciation Fund	16884233.00		37732.00	Fixed Assets Assam	0.00	
222040.30	Int. On P/a - Earned Endowment Fund	222458.00		8981830.00	Fixed Assets Rd	8585278.00	
584022.30	Interest On Scholarship Grant	221894.00	52671252.41				
					<b>PAYMENTS AGAINST P.Y. LIABILITY</b>		
	<b>REFUNDABLE / TRANSFERABLE RECEIPTS</b>						
0.00	Received on behalf of IEP	29500000.00		152532684.00			36604469.00
789050.00	Liability Against Sale Cheques	225111.00					
548000.00	Security Deposit From Students	438000.00					
19600.00	Student Welfare Fund	14400.00					
185000.00	Security Deposit Others	4057917.00					
90.00	R/I Fees Refundable	0.00					
70200.00	Alumni Fund	97600.00					
207068.00	Earnest Money Received	185600.00	240019658.00				



**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAEBARELI**  
**RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2016**

PREVIOUS YEAR	RECEIPTS	AMOUNT (Rs.)	AMOUNT (Rs.)	PREVIOUS YEAR	PAYMENTS	AMOUNT (Rs.)	AMOUNT (Rs.)
	<b>REFUND</b>				<b>RECEIVED CHEQUES BOUNCED/REBUND</b>		
445587.18	Academic Expenses	575482.00		778320.00	Fees Refunded	53000.00	52000.00
30808.00	Administrative	111111.14		17558.00	Other Income	0.00	
3581.00	Establishment Expenses	867604.00					
3568200.00	Income Tax Refund	0.00					
763888.00	P. Y. Dues/Debitors	307486.00					
4678.00	Security Deposit - Bank	0.00					
80000.00	Security Deposit - Nidra Housing	0.00					
	<b>INCOMES</b>						
57682564.33	Fees Received	47309668.00	2568543.14	345274.11	ICICI Bank - 000701260248	904280.11	
580000.00	Executive Development Course Fees	1012000.00		0.00	Alkesh Bank - 583271013940	19000000.00	
376150524.36	Interest From Bank/Bond	634305879.56		3618562.83	Alkesh Bank - 58112401170	19768740.85	
41770.80	Prior Period Income	30748.00		3004505.53	Axis Bank - 00841010027721	98011353.00	
696073.60	Interest On Income Tax Refund	0.00		337076998.48	HDFC Bank - 80831110004488	3355082.94	
1216283.60	Other Income	1107435.00		460065.38	Bank of Baroda - 37350100004760	31300538.88	
				56476.00	ICICI Bank - 000701258840	101300.00	
				1465799.29	ICICI Bank - 034301002171	3117207.29	
				297942.17	HDFC Bank (FCRA) - 0003170000095	303761.17	
				952176.88	ICICI Bank - PBL - 000711161842	1399307.88	
				6533358.00	State Bank of India - 31808731040	8555464.75	
				34525757.50	Andhra Bank - 008410100014268	98453877.00	
				25030.00	State Bank of India - 347851290842	34370.00	
						717163880.35	
						834922339.00	612818748.35
	<b>CONTRA ITEMS</b>				<b>WITH SCHEDULED BANKS</b>		
11684405.00	Interest Cash	1201236.00					
8304608.00	Bank To Bank Transfer	181714031.00		114458122.00	IN DEPOSIT ACCOUNTS		
187785884.00	Canceled Cheques	2767708.00		11684405.00	Interest Cash	1201236.00	
1510368.00	Advance Others	1171630.00	196899995.00	8308608.00	Bank To Bank Transfer	151714031.00	
				15776884.00	Canceled Cheques	2767708.00	
				1516368.00	Advance Others	1171630.00	
							166880091.00
683327482.16	<b>TOTAL</b>		7476655407.92	593327482.56	<b>TOTAL</b>		7476655407.92

*(Signature)*  
**DY. REGISTRAR**  
 Dy. Registrar

*(Signature)*  
**DIRECTOR**  
 Director

*(Signature)*  
**PRESIDENT (B-G)**  
 President (B-G)



**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY**  
**RAE BARELI**

**ACCOUNTS FOR THE FINANCIAL YEAR 2015-16**

**SCHEDULES FORMING PART OF BALANCE SHEET AND INCOME & EXPENDITURE ACCOUNT**

1. SCHEDULE - 1 - CORPUS / CAPITAL FUND
2. SCHEDULE - 2 - RESERVES AND SURPLUS
3. SCHEDULE - 3 - EARMARKED / ENDOWMENT FUNDS
4. SCHEDULE - 4 - DEFERRED CREDIT LIABILITIES
5. SCHEDULE - 5 - CURRENT LIABILITIES AND PROVISIONS
6. SCHEDULE - 6 - FIXED ASSETS
7. SCHEDULE - 7. INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS
8. SCHEDULE - 8 - INVESTMENTS - OTHERS
9. SCHEDULE - 9 - CURRENT ASSETS, LOANS, ADVANCES ETC.
10. SCHEDULE - 10 - FEES/SUBSCRIPTIONS
11. SCHEDULE - 11 - INTEREST EARNED
12. SCHEDULE - 12 - OTHER INCOME
13. SCHEDULE - 13 - ACADEMIC EXPENSES
14. SCHEDULE - 14 - ESTABLISHMENT EXPENSES
15. SCHEDULE - 15 - OTHER ADMINISTRATIVE EXPENSES
16. SCHEDULE - 16 - PRIOR PERIOD ADJUSTMENT
17. SCHEDULE - 17 - SIGNIFICANT ACCOUNTING POLICIES
18. SCHEDULE - 18 - NOTES ON ACCOUNTS AND CONTINGENT LIABILITIES

**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAJ BAREIL**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016**

SCHEDULE - I - CORPUS/CAPITAL FUND	CURRENT YEAR		PREVIOUS YEAR	AMOUNT (₹)
<b>CAPITAL FUND - RAJ BAREIL</b>				
Government of India Budgetary Support				
Balance as at the beginning of the year	97,55,30,519.00		97,12,14,895.50	
Add : Other Income (Sale of Treas) & Donated Assets	1,681.00		3.00	
	97,55,32,200.00		97,12,14,898.50	
Add : Contribution during the year	48,80,00,000.00		3.00	
Add : Surplus from Corpus Fund (Raj Bareil) withdrawn against Gov. Budgetary Support	31,11,20,043.00			
Add : Interest for the year from Bank	55,55,907.00	1,77,22,18,180.00	42,90,623.59	97,55,10,515.00
<b>Capital Grant from Oil Industry Development Board</b>				
Balance as at the beginning of the year	1,29,43,16,094.00		41,81,12,405.00	
Add : Transferred from CIDB Assam Capital Fund & Preliminary Expenses Fund	0.00		3.00	
Add : Contribution during the year	20,64,10,000.00		87,52,50,537.00	
Add : Interest for the year from Bank	12,12,523.00	1,50,19,58,497.00	5,52,151.00	1,20,43,16,094.00
<b>CAPITAL FUND - ASSAM</b>				
Balance as at the beginning of the year	48,26,66,175.53		45,09,31,925.00	
Less : Transferred to Capital Fund CIDB Raj Bareil	0.00		0.00	
Receipts from OIPSI's during the year	48,16,66,175.53		45,09,31,925.00	
	0.00		0.00	
Add : Interest from Bank	48,26,66,175.53		45,09,31,925.00	
	2,89,92,092.47	51,15,49,268.00	3,17,31,250.51	48,26,66,175.53
		3,78,57,15,065.00		2,75,24,92,781.53
<b>TOTAL CAPITAL FUND</b>				
Less : Capital Fund Adjustment - Assam (Cost of Land & Depreciation)				
Up to previous year	54,80,610.80		63,17,964.00	
During the current year	76,386.80		82,646.00	
On account of prior year	0.00		0.00	
	54,76,996.80		64,00,610.00	
Less : Capital Fund Adjustment - Ruchareil (Cost of Land & Depreciation)				
Up to previous year	12,34,39,138.39		10,63,34,653.59	
During the current year	1,71,66,996.00		1,70,94,485.00	
On account of prior year	0.00		0.00	
	14,06,06,134.39	14,70,73,130.39	12,34,29,138.59	12,94,28,743.59
		3,63,86,41,534.41		2,69,26,61,031.94
<b>CORPUS FUND</b>				
<b>ASSAM CENTRE</b>				
Balance as at the beginning of the year	1,77,82,61,400.00		1,46,23,08,000.00	
Add : Contribution during the year	0.00	1,77,82,61,400.00	0.00	1,46,31,00,000.00
Add : Surplus Interest up to 2011-14	0.00		21,13,04,600.00	
Add : Trfd. from Income & Expenditure	31,81,29,584.00	31,81,29,584.00	10,36,56,740.00	31,49,61,400.00
		1,69,63,90,584.00		1,77,87,61,400.00



FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BARELI			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
SCHEDULE - 1: CORPUS / CAPITAL FUND	CURRENT YEAR		AMOUNT (₹)
RAE BAREILLY CENTRE	PREVIOUS YEAR		
Balance as at the beginning of the year			
Fund Balance	2,50,00,00,000.00	2,50,00,00,000.00	
Surplus Interest	70,68,55,690.00	0.00	
Add : Transfer from Income & Expenditure	18,16,02,066.00	0.00	
	3,38,84,57,756.00	2,50,00,00,000.00	
Add : Contributions received during the year			
Bharat Petroleum Corporation Limited	0.00	0.00	
Gas Authority of India Limited	0.00	0.00	
Hindustan Petroleum Corporation Limited	0.00	0.00	
Indian Oil Corporation Limited	0.00	0.00	
Oil India Limited	0.00	0.00	
Oil and Natural Gas Corporation Limited	0.00	0.00	
	3,38,84,57,756.00	2,50,00,00,000.00	
Add : Surplus Funds Allocated			
Surplus Interest (Interest Utilized)	(20,90,85,113.00)	70,68,55,690.00	
Add : Ytd from Income & Expenditure	-	18,16,02,066.00	
	3,17,93,72,643.00		3,38,84,57,756.00
BALANCE AS AT THE YEAR END	8,21,44,85,561.41		7,78,91,82,195.94

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BARELI			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
SCHEDULE - 2 : RESERVES AND SURPLUS	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
<b>1. CAPITAL RESERVE</b>			
As per last account	5,04,00,831.59	5,04,00,831.59	
Addition during the year	0.00	0.00	
Less : Deductions during the year	0.00	0.00	5,04,00,831.59
<b>2. REVALUATION RESERVE</b>			
As per last account	0.00	0.00	
Addition during the year	0.00	0.00	
Less : Deductions during the year	0.00	0.00	0.00
<b>3. DEPRECIATION FUND</b>			
As per last account	9,31,97,885.09	6,86,67,717.30	
Less : Prior period Adjustment (P.Y. Depreciation written back)	0.00	0.00	
Addition during the year • (Transfer from Income & Expenditure A/c)	9,31,97,885.09	6,86,67,717.30	
Less : Deductions during the year	1,72,43,382.00	1,71,77,111.00	
Add : Interest Earned on Investment of Fund during the year	11,04,41,267.09	8,58,44,833.00	
	1,64,86,283.09	73,52,997.30	9,31,97,885.09
<b>4. GENERAL RESERVE</b>			
As per last account	48,13,58,430.09	46,79,45,539.74	
Add : Prior Period Adjustment (P.Y. Depreciation written back)	0.00	0.00	
Addition during the year (Excess of Income over Expenditure)	48,13,58,430.09	46,79,45,539.74	
Less : Surplus interest up to 2012-13 invested in FDR's Trill to Corpus Fund Account	20,76,21,413.82	2,40,08,840.35	
Less : Surplus interest up to 2012-13 invested in FDR's Trill to Corpus Fund Reserves	65,94,79,843.97	49,19,58,430.09	
	0.00	0.00	49,19,58,430.09
<b>BALANCE AS AT YEAR END</b>			
	68,94,79,843.97	87,75,06,274.50	68,94,79,843.97

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)				
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY				
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016				
SCHEDULE - 2 - EARMARKED / ENDOWMENT FUNDS	CURRENT YEAR		PREVIOUS YEAR	
AMOUNT (₹)				
<b>SCHOLARSHIP GRANT</b>				
a) Opening Balance of the Funds				26,45,371.38
b) Additions to Funds				
i. Donations/Gifts				
Jt. Director Vashkapatnam	0.00		32,700.00	
Zila Kalyan Kewalaya - Suran	0.00		0.00	
ONGC/National Inpet Nigam	0.00		60,000.00	
Social Welfare Board Raebareilly/District Welfare/Jharkhand State Tribal	10,11,540.00		940,850.00	
Central Sector Scholarship Scheme (MOSIE)	1,61,790.00		17,62,520.00	
Less: Reversals	11,81,290.00		27,96,070.00	
	0.00		0.00	
ii. Interest on Investments - On Earmarked Funds (Current)				17,96,070.00
iii. Other Additions				2,32,000.00
				0.00
<b>TOTAL (a+b)</b>		51,31,433.38		56,13,441.38
<b>c) Utilization / Expenditure towards objectives of the Funds</b>				
<b>I. Capital Expenditure</b>				
- Fixed Assets	0.00		0.00	
- Others	0.00	0.00	0.00	0.00
<b>II. Revenue Expenditure</b>				
Salary, Wages & Allowances		0.00		0.00
Rent		0.00		0.00
Other Administrative Expenses		0.00		0.00
Other Expenditure (Scholarship Distributed)				
Cherem Scholarship	1,08,070.00		1,06,000.00	
Collector M.P./Jt. Director Vashkapatnam	0.00		32,700.00	
Zila Kalyan Kewalaya - Suran	0.00		0.00	
ONGC/National Inpet Nigam	0.00		60,000.00	
Social Welfare Board Raebareilly/District Welfare/Jharkhand State Tribal	11,37,390.00		0.00	
Central Sector Scholarship Scheme (MOSIE)	0.00		17,45,045.00	
		12,45,390.00		19,43,746.00
<b>TOTAL (c)</b>		12,45,390.00		19,43,746.00
<b>NET BALANCE AS AT THE YEAR END (a+b-c)</b>		38,86,043.38		37,29,695.38

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)				
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREIL				
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2016				
SCHEDULE - 4 - DEFERRED CREDIT LIABILITIES		CURRENT YEAR		PREVIOUS YEAR
AMOUNT (₹)				
a) Acceptances secured by hypothecation of Capital Equipment & Other Assets			0.00	0.00
b) Others -				
i) Research Grants				
Opening Balance			54,80,202.00	47,31,502.00
Add : Interest Received During the year		1,86,057.00		5,56,022.00
Add : Received During the year		81,55,392.00	83,41,449.00	77,10,598.00
Less : Refunded During the year		1,57,469.00	1,38,21,651.00	1,29,98,122.00
Less : Utilized During the year		60,08,058.25	61,65,527.35	75,17,920.00
			76,56,123.75	54,80,202.00
<b>BALANCE GRANTS REPRESENTED BY :</b>				
- DST New Nano - Porous Materials for Natural Gas Storage Application		91,464.00		51,437.00
- DST Grant Seed Division		1,90,263.00		1,79,541.00
- DAE Study of Information on the Theoretic Measures on Variables		43,791.00		64,202.00
- SERB New Nano - Dev. Of New Polymeric Materials		1,31,821.00		2,57,469.00
- GEOKNO India Pvt. Ltd.		2,45,637.00		2,01,800.00
- On some properties of Expected Inertivity Time having Application in Reliability		90,000.00		90,000.00
- SERB Grant for Studies on three dimensional fracturing		-87,859.00		1,30,833.00
- Co2 capture using ionic liquids: Experiments and molecular modeling		4,196.00		5,26,357.00
- SERB Grant for Interrogating the Catalytic Activity of Nanocatalyst		1,89,016.00		8,63,221.00
- SERB Grant for Source Rock Evaluation of Lignite Deposits		9,10,665.75		11,94,641.00
- SERB Grant for Study of Total Moun Capture for Potential Double Beta		3,34,419.00		6,61,068.00
- DST Development of Poly Ionic Liquid Base Silicate Muds		2,96,403.00		5,38,419.00
- DST Development of Polymer Coated Nano Particle Stabilised Foams of Oil		24,82,355.00		0.00
- Un-Utilized - Interest		25,47,895.00		0.00
		1,86,057.00	76,56,123.75	7,21,174.00
<b>TOTAL</b>			76,56,123.75	54,80,202.00
NOTE : Amounts due within one year			76,56,123.75	54,80,202.00

*Dr. S. K. Singh*



FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)				
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILY				
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016				
SCHEDULE - 5 - CURRENT LIABILITIES AND PROVISIONS	CURRENT YEAR		PREVIOUS YEAR	
A. CURRENT LIABILITIES				AMOUNT (₹)
1. Acceptances				0.00
2. Sundry Creditors				
a) For Goods/Services	24,39,54,915.00		50,41,98,675.00	51,22,75,834.00
b) Others	43,82,805.00		80,77,159.00	
3. Advance Fees Received from Students				1,14,51,838.00
4. Interest accrued but not due on :				
a) Secured Loans / Borrowings	0.00		0.00	
b) Unsecured Loans / Borrowings	0.00		0.00	0.00
5. Statutory Liabilities:				
a) Overdue	0.00		0.00	
b) Others	1,37,56,725.00		16,87,051.00	16,87,054.00
6. Other Current Liabilities				
a) Unutilized Grant - Preliminary Expenses Fund (Assam)				
Opening Balance/Received during the year	0.00		0.00	
Less (Add) : Transferred to ODB Capital Fund Railbandi (Raoon Provision W/o)	0.00		0.00	
b) Alumni Fund	5,23,103.00		4,26,400.00	
c) Student Welfare Fund	1,71,258.00		1,57,458.00	
d) Retention Money From Vendors	7,82,34,559.00		8,13,36,608.00	
e) Earnest Money Deposit/Security Deposit	5,86,098.00		3,11,728.00	
f) Security Deposit from Students	5,26,200.00		7,77,200.00	8,48,04,394.00
g) Refundable to IIPU	23,80,29,757.00		0.00	
TOTAL (A)				61,02,19,120.00
B. PROVISIONS				
1. For Taxation				0.00
2. Gratuity				70,30,518.00
3. Superannuation/Pension				0.00
4. Accumulated Leave Encashment				61,00,220.00
5. Trade Warranties / Claims				0.00
TOTAL (B)				0.00
TOTAL (A+B)				1,31,32,738.00
				62,33,57,858.00

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**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**  
**NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY**  
**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016**  
**SCHEDULES - 6 - FIXED ASSETS**

DESCRIPTION	GROSS BLOCK				DEPRECIATION		NET BLOCK		AMOUNT IN
	COST VALUATION AS AT BEGINNING OF THE YEAR	ADDITIONS DURING THE YEAR	REDUCTIONS/ADJUSTMENTS DURING THE YEAR	COST VALUATION AT THE YEARENDED	AS AT BEGINNING OF THE YEAR	ON DEPRECIATION/ADJUSTMENT DURING THE YEAR	TOTAL UP TO THE YEARENDED	AS AT CURRENT YEARENDED	THE PREVIOUS YEARENDED
<b>A. FIXED ASSETS</b>									
<b>1. LAND</b>									
a) Freehold - Nil	4,47,20,200.00	0.00	0.00	4,47,20,200.00	0.00	0.00	0.00	4,47,20,200.00	4,47,20,200.00
b) Leased - Nil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c) Leasehold - Nil	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>2. BUILDINGS</b>									
a) On Freehold Land	8.00	0.00	0.00	8.00	0.00	0.00	0.00	8.00	8.00
b) On Leasehold Land	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c) Overhead Infrastructure	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
d) Right of Use as Leasehold Interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>3. PLANT MACHINERY &amp; EQUIPMENT</b>									
a) General Equipment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
b) Accessories	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
c) Lab Equipment	4,22,22,222.00	1,00,00,000.00	0.00	5,22,22,222.00	1,24,45,845.00	67,80,000.00	1,92,02,245.00	3,30,20,000.00	2,37,22,222.00
<b>4. VEHICLES</b>	1,22,22,222.00	0.00	0.00	1,22,22,222.00	6,17,22,222.00	1,22,22,222.00	7,39,44,444.00	7,39,44,444.00	7,39,44,444.00
<b>5. FURNITURE, FIXTURES</b>									
a) General	2,22,22,222.00	22,22,222.00	0.00	2,44,44,444.00	2,22,22,222.00	2,22,22,222.00	4,66,44,444.00	4,66,44,444.00	4,66,44,444.00
b) Assets	2,22,22,222.00	2,22,222.00	0.00	2,24,44,444.00	1,22,22,222.00	2,22,22,222.00	3,46,44,444.00	3,46,44,444.00	3,46,44,444.00
<b>6. OFFICE EQUIPMENTS</b>	22,22,222.00	42,22,222.00	0.00	64,44,444.00	7,12,22,222.00	2,22,22,222.00	9,34,44,444.00	9,34,44,444.00	9,34,44,444.00
<b>7. COMPUTER PERIPHERALS</b>									
a) General	4,44,44,444.00	42,22,222.00	42,22,222.00	4,86,66,666.00	3,44,44,444.00	67,80,000.00	5,54,44,444.00	5,54,44,444.00	5,54,44,444.00
b) Assets	1,84,20,000.00	0.00	0.00	1,84,20,000.00	1,22,22,222.00	2,22,22,222.00	3,06,44,444.00	3,06,44,444.00	3,06,44,444.00
<b>8. ELECTRICAL EQUIPMENTS</b>									
a) General	1,42,22,222.00	30,22,222.00	0.00	1,72,44,444.00	8,44,44,444.00	2,22,22,222.00	20,00,000.00	20,00,000.00	20,00,000.00
b) Assets	1,22,22,222.00	0.00	0.00	1,22,22,222.00	42,22,222.00	2,22,22,222.00	64,44,444.00	64,44,444.00	64,44,444.00
<b>9. LIBRARY BOOKS</b>	1,00,00,000.00	1,00,00,000.00	0.00	2,00,00,000.00	2,00,00,000.00	2,00,00,000.00	4,00,00,000.00	4,00,00,000.00	4,00,00,000.00
<b>10. TUBE WELL AND WATER SUPPLY</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>11. OTHER FIXED ASSETS</b>	2,00,00,000.00	17,22,222.00	0.00	2,17,22,222.00	1,22,22,222.00	2,22,22,222.00	3,44,44,444.00	3,44,44,444.00	3,44,44,444.00
<b>12. INTANGIBLE EQUIPMENTS</b>	2,00,00,000.00	0.00	0.00	2,00,00,000.00	2,00,00,000.00	2,00,00,000.00	4,00,00,000.00	4,00,00,000.00	4,00,00,000.00
<b>TOTAL OF CURRENT YEAR</b>	23,00,00,000.00	1,11,22,222.00	42,22,222.00	24,53,44,444.00	7,00,00,000.00	2,22,22,222.00	9,22,22,222.00	9,22,22,222.00	9,22,22,222.00
<b>PREVIOUS YEAR</b>	23,00,00,000.00	0.00	0.00	23,00,00,000.00	6,00,00,000.00	2,22,22,222.00	8,78,00,000.00	8,78,00,000.00	8,78,00,000.00

DY. REGISTRAR  
 (Signature) / HEAD (FIN.)

DIRECTOR  
 (Signature)

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)									
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY									
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016									
SCHEDULES - 6 - FIXED ASSETS									
DESCRIPTION	GROSS BLOCK				DEPRECIATION			NET BLOCK	
	COST/ VALUATION AS AT BEGINNING OF THE YEAR	ADDITIONS DURING THE YEAR	DEDUCTIONS DURING THE YEAR	COST/ VALUATION AT THE YEAR-END	AS AT BEGINNING OF THE YEAR	DURING THE YEAR	ON DEDUCTIONS DURING THE YEAR	AS AT THE CURRENT YEAR-END	AS AT THE PREVIOUS YEAR-END
<b>CAPITAL WORKING IN PROGRESS</b>									
A - R&D BARREL (Lab Equipment)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL - A</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>B - J&amp;S PROJECT</b>									
Land - Advance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Project Management Fee	27649157.00	21071019.00	0.00	30,25,16,900.00	0.00	0.00	0.00	30,25,16,900.00	27649157.00
Civil Work In Progress	2109641867.00	762816203.00	0.00	2,88,84,66,010.00	0.00	0.00	0.00	2,88,84,66,010.00	2,10,96,41,86,700.00
Project Management Expenses	1773338.00	3126000.00	0.00	2,09,71,338.00	0.00	0.00	0.00	2,09,71,338.00	1,77,33,38.00
Capital Advance to P&I Ltd	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Secured Advance Against Material	24160170.00	0.00	1511474.00	92,51,696.00	0.00	0.00	0.00	92,51,696.00	24,16,01,70.00
Advance for Electricity to UPCL	33140011.00	0.00	33140011.00	0.00	0.00	0.00	0.00	0.00	33,14,00,11.00
Loan : Interest on Mobilisation Advance	40846033.00	17126666.00	0.00	5,79,72,699.00	0.00	0.00	0.00	5,79,72,699.00	40,84,60,33.00
<b>TOTAL - B</b>	2966531074.00	85834686.00	48281795.00	3,16,75,84,677.00	0.00	0.00	0.00	3,16,75,84,677.00	2,99,52,074.00
<b>C - ASSAM PROJECT</b>									
Project Management Expenses	11532174.50	2861407.00	0.00	14,39,627.50	0.00	0.00	0.00	14,39,627.50	11,53,21,74.50
Project Management Fee	33021177.00	0.00	8069133.00	2,59,52,644.00	0.00	0.00	0.00	2,59,52,644.00	33,02,11,77.00
Civil Work In Progress	208158051.00	8948113.00	0.00	2,17,13,7204.00	0.00	0.00	0.00	2,17,13,7204.00	2,08,15,80,51.00
Advance to CPWD	10000000.00	0.00	10000000.00	0.00	0.00	0.00	0.00	0.00	10,00,00,00.00
Secured Advance Against Material	4203003.00	0.00	0.00	42,03,003.00	0.00	0.00	0.00	42,03,003.00	4,20,30,03.00
<b>TOTAL - C</b>	26725653.50	11801646.00	18069133.00	36,18,71,566.50	0.00	0.00	0.00	36,18,71,566.50	26,72,56,53.50
<b>TOTAL CWP (A+B+C)</b>	26775837.50	87789934.00	66350913.00	34,38,08,443.50	0.00	0.00	0.00	34,38,08,443.50	26,77,58,37.50
<b>GRAND TOTAL</b>	2,86,38,27,588.50	84,82,33,944.00	6,63,64,693.00	3,44,97,20,925.50	7,98,10,272.00	17,60,083.00	39,540.00	3,45,35,16,900.50	2,76,38,01,861.50
<b>PREVIOUS YEAR GRAND TOTAL</b>	1,60,31,27,572.50	1,52,31,00,848.00	5,61,82,650.00	2,18,76,32,068.50	6,18,03,962.00	17,177,131.00	0.00	2,19,38,01,861.50	1,53,92,81,976.00

BY REGISTRAR

P.K. Bhattacharya DIRECTOR (B&G)

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
	AMOUNT (₹)		
SCHEDULE - 1. INVESTMENTS FROM EARNINGS/ ENDOWMENT FUNDS	CURRENT YEAR	PREVIOUS YEAR	
1. In Government Securities	6.00		6.00
2. Other Approved Securities	6.00		6.00
3. Shares	6.00		6.00
4. Debentures and Bonds	6.00		6.00
5. Subsidiaries and Joint Ventures	6.00		6.00
5. Other (Fixed Deposits)	24,00,000.00		24,00,000.00
<b>TOTAL</b>	<b>24,00,000.00</b>		<b>24,00,000.00</b>
SCHEDULE - 4. INVESTMENTS - OTHERS	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
1. In Government Securities (RBI Bonds - Not marketable)	5,00,000.00		5,00,000.00
2. Other Approved Securities	6.00		6.00
3. Shares	6.00		6.00
4. Debentures and Bonds	6.00		6.00
5. Subsidiaries and Joint Ventures	6.00		6.00
5. Other	6.00		6.00
<b>TOTAL</b>	<b>5,00,000.00</b>		<b>5,00,000.00</b>

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BARELLI			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
SCHEDULE - 1 - CURRENT ASSETS, LOANS, ADVANCES ETC.	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
<b>A. CURRENT ASSETS:</b>			
1. <u>Inventories</u>			
a) Stores and Spares (Stationery Items)	2,57,544.14	1,59,475.59	
b) Loose Tools	8.00	0.00	
c) Stock of materials	36,118.00	1,45,463.00	
- Finished Goods	6.00	0.00	
- Work-in-progress	6.00	0.00	
- Raw materials	0.00	0.00	3,43,936.59
2. <u>Small Debtors</u>			
a) Debts Outstanding for a period exceeding six months	0.00	0.00	
b) Receivable from GOI against Budgetary Support Utilised	31,123,843.00	38,11,29,043.00	0.00
3. <u>Cash Balances in Hand (including Cheques/Drafts and imprest)</u>			
		1,09,56,295.00	1,20,62,883.93
4. <u>Bank Balances</u>			
a) <u>With Scheduled Bank :</u>			
- on Current Accounts	0.00	0.00	
- on Deposit Accounts	1,54,16,23,169.60	5,19,45,89,222.00	
- on Savings Accounts	78,71,63,883.35	44,11,62,522.75	
b) <u>With Non - Scheduled Bank :</u>			
- on Current Accounts	0.00	0.00	
- on Deposit Accounts	0.00	0.00	
- on Savings Accounts	0.00	0.00	
<b>TOTAL(A)</b>		4,12,81,87,549.35	5,63,57,51,744.75
		4,45,34,57,549.49	5,64,81,51,567.85

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2016			
SCHEDULE - 9 - CURRENT ASSETS, LOANS, ADVANCES ETC.	AMOUNT (₹)		
	CURRENT YEAR	PREVIOUS YEAR	
<b>A. LOANS, ADVANCES AND OTHER ASSETS:</b>			
<b>I. Loans:</b>			
a) Staff - Salary Recoverable	1,02,560.00	0.00	
b) Other Entities engaged in activities/objectives similar to that of the Entity	0.00	0.00	
c) Others	0.00	0.00	0.00
<b>II. Advances and other amounts receivable in cash or in kind as per value to be recorded:</b>			
a) On Capital Account	6,42,57,166.00	14,80,70,165.00	
b) Prepayments	14,87,794.00	15,14,819.00	
c) Security Deposits Paid	71,66,382.00	76,35,882.00	
d) Others	5,53,92,564.00	5,84,00,130.00	19,96,13,396.00
<b>B. Income Account:</b>			
a) On Investments from Harnamdeo/Endowment Funds	41,331.80	41,331.80	
b) On Investments-Others	26,51,91,330.80	35,77,42,395.50	
c) On Loans and Advances	9,21,724.80	6,38,118.30	
d) Others- Student Fees Due - 372500.00 - Provision Made 372500.00	0.00	5,01,400.30	15,89,13,272.60
<b>A. Claims Receivable:</b>			
	6.00		0.00
<b>TOTAL (B)</b>			
	31,45,52,977.00		54,85,46,648.60
<b>TOTAL (A+B)</b>	6,78,50,15,121.40		6,20,67,65,296.40

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAJ BAREIL			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
SCHEDULE - 10 - FEES/SUBSCRIPTIONS	CURRENT YEAR	PREVIOUS YEAR	AMOUNT IN
1. Entrance Fees	11,11,849.00		15,89,514.33
2. Annual Fees/Subscription	4,58,76,557.00		5,45,60,174.00
3. Seminar/Program Fees	0.00		0.00
4. Consultancy Fees	0.00		0.00
5. Others	0.00		0.00
<b>TOTAL</b>	<b>4,79,88,356.00</b>		<b>5,65,49,688.33</b>

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BARELI			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
	AMOUNT (₹)		
SCHEDULE - 11 - INTEREST EARNED	CURRENT YEAR	PREVIOUS YEAR	
1) On Term Deposits:			
a) With Scheduled Banks	43,61,94,217.45	41,50,31,345.72	
b) With Non-Scheduled Banks	0.00	0.00	
c) With Institutions (Govt. of India Bond)	43,00,300.00	43,00,300.00	
d) Others	0.00	0.00	43,00,31,349.72
2) On Savings Accounts:			
a) With Scheduled Banks	14,21,394.00	11,02,776.00	
b) With Scheduled Banks in Sweep A/c	3,93,70,512.47	4,07,26,115.03	
c) With Non-Scheduled Banks	0.00	0.00	
d) With Institutions	0.00	0.00	
e) Others	0.00	0.00	4,18,26,511.03
Less: Transfer to Capital Fund			
a) Capital Fund Reserve	59,85,931.00	42,90,625.50	
b) Capital Fund Asset	2,89,02,092.47	3,17,32,259.53	
c) Capital Fund (Grant OICR)	12,12,423.00	5,42,151.40	
d) Depreciation Fund	1,66,84,283.00	73,52,997.80	
e) Remained Fund	2,22,453.00	2,22,038.40	
f) Deferred Credit Liabilities	1,86,067.00	5,55,022.60	
	5,27,55,150.47	5,55,022.60	4,47,06,044.03
3) On Loans			
a) Employees Staff	0.00	0.00	
b) Others	0.00	0.00	0.00
4) Interest on Debtors and Other Receivables (Income Tax Refund)			
		0.00	
TOTAL		67,68,95,453.45	6,95,673.00
			67,68,95,453.45

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
SCHEDULE - 11 - OTHER INCOME	AMOUNT (₹)		
	CURRENT YEAR	PREVIOUS YEAR	
1. Profit on Sale/Disposal of Assets			
a) Owned Assets	2.00	0.00	0.00
b) Assets acquired out of grants or received free of cost	0.00	0.00	0.00
2. Export Incentives realised		0.00	0.00
3. Fees for Miscellaneous Services	25,42,164.00		21,53,197.00
4. Miscellaneous Income	3,77,426.00		4,66,620.50
<b>TOTAL</b>	<b>32,35,492.00</b>		<b>26,19,817.50</b>

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**FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)**

**NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY**

**SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016**

	AMOUNT (₹)	
	CURRENT YEAR	PREVIOUS YEAR
<b>SCHEDULE - 13 - ACADEMIC EXPENSES</b>		
Remuneration to Visiting Faculties	1,21,590.00	15,63,591.00
Book Grant, e-Journal Charges, Magazines & Academic Software	38,86,897.00	1,31,59,487.00
Convocation, Conference & Meeting Expenses	22,74,915.00	0.00
IT-FEE Fees	4,56,000.00	4,50,000.00
CAT-Fee	2,58,000.00	2,03,000.00
Student Welfare	3,11,821.00	6,72,792.00
Hostel Rent & Mess Expenses	1,32,15,756.00	1,30,70,415.00
Scholarship & Stipend	66,54,981.00	36,11,798.00
Doctor Fees	3,78,608.00	3,51,000.00
Placement Brochure & Expenses	3,53,038.00	3,75,551.00
Workshop & Training	10,217.00	15,87,515.00
Cultural & Sports Activities	21,57,547.00	14,63,141.00
Rent & Electricity Charges	2,35,85,401.00	3,41,89,025.00
RGUPF Scholarship	8,10,000.00	6,99,000.00
Repairs & Maintenance (Equipment)	14,56,376.00	11,87,792.00
Vehicle Running Expenses	11,35,773.00	13,30,252.00
Lab Charges and Printing & Stationery	6,32,177.00	12,24,390.55
External Grant to DST Project	53,420.00	0.00
Traveling & Conveyance Expenses (Academic)	21,84,207.00	0.00
Student Contingency	4,11,445.00	0.00
Membership Fee	31,445.00	3,40,000.00
<b>TOTAL</b>	<b>6,08,72,997.00</b>	<b>7,51,58,693.55</b>

AMOUNT (₹)

	CURRENT YEAR	PREVIOUS YEAR
<b>SCHEDULE - 14 - ESTABLISHMENT EXPENSES</b>		
a) Salaries & Allowances	6,09,63,295.00	5,83,32,564.00
b) Man Power Hiring	72,19,656.00	66,34,116.00
c) Contribution to Provident Fund & NPS	42,03,469.00	33,88,152.00
d) Contribution to Other Fund	0.00	0.00
e) Staff Welfare Expenses	1,94,106.00	5,774.00
f) Provisions on Employees Retirement and Terminal Benefits (Gratuity & Leave Encashment)	15,84,481.00	58,71,112.00
g) Others		
Honorarium	6,82,990.00	6,21,250.00
Medical Reimbursement	18,42,559.00	10,63,313.00
Recreation Expenses	29,332.00	1,411.00
<b>TOTAL</b>	<b>7,67,23,751.00</b>	<b>7,58,95,699.00</b>

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BAREILLY			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
SCHEDULE - 15 - OTHER ADMINISTRATIVE EXPENSES	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
a) Purchases (General Consumables)	8.00		0.00
b) Labour and processing expenses	8.00		0.00
c) Cartage and Carriage Inwards	8.00		0.00
d) Electricity and Power	65,48,085.00		51,91,645.00
e) Repairs & Maintenance (Building & Other)	6,55,965.00		10,32,934.00
f) Insurance:	5,55,007.00		8,28,741.00
a) Repairs and Maintenance (House Keeping & Office Expenses)	51,72,394.00		46,18,134.84
b) Security Service Charges	85,55,137.00		78,57,214.00
c) Rent, Rates and Taxes	1,42,01,731.00		13,91,000.00
d) Vehicles Running and Maintenance	7,78,569.00		8,47,725.00
e) Postage, Telephone and Communication Charges	23,11,341.00		35,94,542.00
f) Printing and Stationary	7,96,628.05		4,42,580.00
g) Travelling and Conveyance Expenses	46,71,298.00		1,34,00,718.82
h) Recruitment Expenses	1,17,105.00		4,07,794.00
i) Foreign Travel & Participation Fees Expenses	30,009.00		2,15,667.00
j) Strategic Initiative & Brand Expenses	8.00		6,99,000.00
k) Pre-Payment Auditors Remuneration	5,46,888.00		5,39,328.00
l) Hospitality Expenses	89,463.00		1,22,182.00
m) Legal & Arbitration Expenses	60,36,279.00		38,99,451.00
n) Interest on Late Payment & Penalties	8.00		350.00
o) Inconvertible Balances Written-off	8.00		0.00
p) Conferences, Meetings & Workshop Expenses	7,96,628.00		2,78,330.00
q) Professional & Consultancy Charges	21,85,937.00		9,25,091.00
r) DFR Preparation Charges	0.00		66,76,311.00
s) Advertisement and Publicity	71,39,563.00		60,65,080.00
t) Others (Guest House Expenses)	5,94,215.00		6,45,994.00
u) Internal Audit Fees	1,14,759.00		1,12,356.00
v) Bank Charges	83,086.18		83,345.99
w) Club Subscription	11,856.00		10,174.00
x) Welfare Expenses	1,43,840.00		54,038.00
y) CAG Audit Fees	1,50,000.00		2,47,790.00
z) Hindi Rajbhasha Parliament Meeting Expenses	5,95,667.00		3,45,314.00
<b>TOTAL</b>	<b>6,29,91,284.63</b>		<b>5,63,82,758.65</b>

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY: RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY RAE BARELI			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2016			
SCHEDULE - 15 - PRIOR PERIOD ADJUSTMENT	CURRENT YEAR	PREVIOUS YEAR	AMOUNT (₹)
<b>INCOME</b>			
Scholarship Refund	24,000.00		
DPR Charges (ITPES) Renowned	45,70,243.00		0.00
Bank Charges	11,748.00		0.00
Conference & Meeting Expenses	19,844.00		0.00
Excess Provision of Gratuity Written Back	20,51,389.00		0.00
Liability for Unpaid Bills Written Back	3,12,859.00	4,15,822.00	4,10,322.00
<b>EXPENDITURE</b>			
Miscellaneous Expenditure	0.00	4,53,000.00	
PF Admin Charges	0.00	8,161.00	
Book Grant & e-Journal	2,01,175.00	1,684.00	
Cultural & Sports Activities	0.00	41,024.00	
Lab Consumables	0.00	25,300.00	
Pens Revenue	52,000.00	0.00	
Honorarium to Visiting Faculties / Refund of Licence Fees	4,000.00	77,750.00	
Traveling & Conveyance	0.00	11,835.00	
Repairs & Maintenance (Equipment)	2,997.00	0.00	
Rent, Repairs & Maintenance (Other & OIDs)	0.00	45,47,217.00	
Student Fees Refunded	1,500.00	0.00	
Staff Welfare	250.00	0.00	
Legal & Professional Fees	40,443.00	28,585.00	
Overhead Charges Returned	0.00	1,42,421.00	
<b>NET PRIOR PERIOD EXPENDITURE</b>	<b>3,02,465.00</b>	<b>1,42,421.00</b>	<b>51,34,230.00</b>
	<b>66,47,638.00</b>		<b>-47,23,467.00</b>

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**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAEBARELI**

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31<sup>ST</sup> MARCH 2016**

**SCHEDULE '17' – SIGNIFICANT ACCOUNTING POLICIES**

**1. Accounting Convention**

The financial statements are prepared under dual entry system under the historic cost convention and on going concern concept following the accrual method of accounting unless otherwise stated herein.

**2. Inventory Valuation**

Stores materials including stationery held at year end are valued at cost adopting FIFO method.

**3. Fixed Assets**

3.1. Fixed assets are stated at cost of acquisition less accumulated depreciation thereon and impairment loss, if any. The cost includes inward freight, duties and taxes, installation charges and other directly attributable expenses related to their acquisition.

3.2. Assets created out of research grants normally remain as property of the sponsoring authority in terms of sanction letter.

3.3. Land includes acquisition cost, registration and other related expenses and is capitalized on taking possession. Interim payments made on demand to Government Authorities for the purpose of acquisition of land are treated as Capital Advance, grouped under Capital Work in Progress.

3.4. Capital Work-In-Progress - Expenses incurred towards building under construction / civil work in progress/ equipments received but not installed/ capital advances against construction materials/ running bills payments during project construction stage towards contracts, consultancy services and project management / administrative expenses are grouped under Capital Work-In-Progress. Interest earned if any, on mobilization advance to contractor are adjusted from Capital Work in Progress.

3.5. The assets which are unserviceable condemned or out of use are written off only after approval by the competent authority of the institute.



#### **4. Method of Depreciation**

4.1. Depreciation on fixed assets is provided on Straight Line Method on pro-rata basis at the rates arrived at based on the estimated useful life of the assets. In respect of assets fully depreciated and are in use, a residual value of Rs. 1 is retained in the books till it is discarded.

4.2. Expenditure on e-Journals is charged off pro-rata in Income & Expenditure account during the license period of the respective e-Journals.

#### **5. Depreciation Fund**

A Depreciation Fund is created by transferring equivalent amount of depreciation from Income & Expenditure Account, to facilitate suitable funding for replacement of assets as required in future. Interest earned from investment of Depreciation Fund is ploughed back to the Depreciation Fund at the year end.

#### **6. Miscellaneous Expenditure**

6.1. A.I expenses relating to renovation of rented premises including play grounds/ courts are accounted in Income & Expenditure Account in the year of incurrence.

6.2. Deferred revenue expenditure on account of RGPT Brand is written off over a period of 5 years from the year it is incurred.

#### **7. Capital Fund Grant**

7.1. Budgetary Support from Govt. of India and Grant from OADB / Promoting entities for campus project work are accounted on receipt basis and grouped under "Capital Fund." Interest earned if any, from bank on capital fund account' investment is accounted in Capital Fund account.

7.2. Depreciation charged on assets created out of Capital fund are treated as Deferred Income and transferred to Income and Expenditure Account every year on systematic basis over useful life of the assets.

7.3. The fund utilized for creating non-depreciable assets like land is treated as Capital Reserve.

#### **8. Corpus Fund**

8.1. Corpus Fund received is accounted on receipt basis and is grouped under Corpus Fund. Interest earned from investment of Corpus Fund in fixed deposits in banks, is utilized for meeting the recurring expenses.

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8.2. Interest earned from investment of Corpus Fund is accounted in Income and Expenditure Account and the surplus interest after meeting the recurring expenses, as lying invested in fixed deposit with Banks/ Non-tradable Government Securities is ploughed back to Corpus Fund.

**9. Foreign Currency Transactions**

Transactions denominated in foreign currency are accounted at the exchange rate prevailing as at the date of such transactions.

**10. Provisions, Prepaid**

10.1 All known liabilities exceeding Rs. 10,000/- up to the date of finalization of accounts are provided for.

10.2 Pre-paid charges/expenses exceeding Rs. 10,000/- incurred during the year are carried to next year and are duly considered in relevant future period.

**11. Investments**

11.1 Investments are held in the form of fixed deposits with Scheduled Banks or in non-tradable Govt. Securities.

11.2 No investments are made by the Institute in the tradable securities.

11.3 Investments are valued at cost.

**12. Revenue Recognition**

Interest earned on Fixed Deposits with Banks, income from Government Securities, student fees including entrance fees and other receipts are accounted for as and when due on accrual basis and are recognized as income of the Institute. Sale of discarded assets/terms etc. is accounted for on receipt basis.

**13. Retirement Benefits**

Retirement benefits in respect of Gratuity and Leave Encashment are provided for on the basis of actuarial valuation.

**14. Income Tax**

The Institute income is exempt from Income Tax under the provisions of Section 10(23C)(iii)(ab) of the Income Tax Act'1961 hence no provision is made for Income Tax.

*Other*

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, RAEBARELI**

**SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31<sup>ST</sup> MARCH, 2016**

**SCHEDULE '13' – NOTES ON ACCOUNTS**

The Notes forming part of the Accounts giving inter-alia certain additional disclosures in respect of significant accounting transactions during the year and also highlighting the Institute's contingent liability and capital commitment as at 31<sup>st</sup> March, 2016 are as follows:-

1. The Receipt and Payment Account carries the amounts of actual receipts and actual payments of the institute during the year 2015-16. However, the recoveries under the various heads have been grossed up, e.g. salaries expenses have been grossed up on account of provident fund, income tax deductions, etc.
2. The Income & Expenditure Account and the Balance Sheet have been drawn from Receipt and Payment Account duly accounting for liabilities, prepaid expenses, advance payments and provisions as at end of the accounting year.
3. The financial statements have been presented as per Uniform Format prescribed for non-profit Central Autonomous Bodies and the treatment for capital funds, grants and endowment funds as recommended for non-profit organizations has been accounted.
4. Previous year figures have been regrouped/ rearranged in order to make them comparable with the current year figures.
5. While finalizing the Accounts for the year, necessary action has been taken to implement the recommendations of Government Audit.
5. In line with the recommended policy for non-profit organization in respect of accounting of Govt Budgetary Support (GBS) and Grants, the Institute has adopted the following significant accounting policy:
  - Budgetary Support received from Govt. of India and Grants received from OIDB / promoting entities for campus construction are grouped under "Capital Fund" in Schedule 1 along with the interest earned if any. Amounts grouped under Corpus Fund in Schedule 1 represent contribution received from Oil FSUs for meeting the recurring expenses from its interest and the transfer of excess of income over expenditure to the extent of surplus interest lying invested in Fixed Deposits/ non transferable Govt. Securities from Income & Expenditure Account

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- An amount of Rs. 31,11,20,043/- has been temporarily utilized during the year from the surplus of corpus fund of Raebareli, with the sanction of Ministry of Petroleum & Natural Gas (Letter No. J-2502/19/2015-Gen dated 11.9.2015) in order to meet the immediate RA Bill payment commitments of Jais Project construction. The above amount utilized will be replenished back to the corpus fund after the GBS for Jais is released to RGIPIT. The above surplus corpus fund utilized has been included under 'Capital Fund' in Schedule I.
  - Depreciation on assets created out of capital fund is treated as Deferred Revenue Income and recognized in the Income and Expenditure Account every year on systematic basis over useful life of the assets. Accordingly, Rs. 1,72,43,382.00 being the Depreciation charged during the year has been transferred to Deferred Revenue Income.
  - The fund utilized for creating non-depreciable assets like land is treated as Capital Reserve. However during the year no non-depreciable asset has been created.
7. The provisions of Payment of Gratuity Act are applicable to the institute. Accordingly, based on Actuarial Valuation accumulated provision for Rs.1,26,51,430.00 has been made in the accounts towards retirement benefit for Gratuity and Leave Encashment, which is reflected in accounts under Schedule 5 - Current Liabilities and Provisions.
8. During the year excess of income over expenditure to the extent of the surplus interest lying invested in fixed deposit with banks/non-tradable government securities amounting to Rs. 3181 lakhs of Corpus Fund Assam have been ploughed back to the Assam Corpus Fund. The sum of Rs.2090 lakh is temporarily utilized during current year from the surplus accumulated interest in corpus fund of Raebareli as at 31.3.2015 for Jais construction purpose. The corpus fund surplus interest is reduced to the extent of utilization as at 31.3.2016.
9. As per the EPC Sanction (Ref. F.No.42024/6/2012-Gen.(Vol.II) dated 16.3.2015) with regard to Revised Cost Estimate of Jais Project taken by Department of Expenditure (Ministry of Finance), it is decided that RGIPIT will confine its Jais Campus project in only 47 acres of land, as the acquisition of additional land by UPSIDC did not materialize. Consequent to this, the institute has applied to UPSIDC for refund of advance payment of Rs. 185.00 Lakh made during previous years as per their demand, for acquisition of land for Jais Campus. The amount is grouped under Loans & Advances under Schedule 9 as amount recoverable from UPSIDC.
10. A grant of Rs.20.64 crore was received during the year from OADB for the purpose of construction at Jais. This includes the balance of Rs.18.90 crore out of Rs. 25.00 crore which was earmarked for the purpose of Jais land procurement. This is consequent to EPC decision that the Jais campus will be constructed only on the available 47 acres of land (cost of which is Rs.6.10 crore). The diversion of balance fund for land towards construction purpose was made by OADB in accordance to Ministry of Petroleum and Natural Gas advise vice letter No.R-42024/6/2012-Gen.(Vol.II) (Pt.II) dated 31.3.2015.

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11. The contract for civil & structural work awarded in June 2010 to M/s Punj Lloyd Ltd for an estimated contract value of Rs. 179,89,04,329/- had to be terminated in view of the contractor's failure to perform as per the agreed schedule. Prior to termination, the contractor raised certain claims not payable under the contract and on Institute's refusal to pay the claimed amount, the contractor invoked arbitration (as disclosed in Accounts under Contingent Liabilities along with institutes counter claim) which is currently ongoing. Current Liabilities and Provisions includes Rs. 5,27,27,202.00, the unpaid balance amount against the value of work done by the contractor, (which is adjustable against part payment of the Institute's claim pending for adjudication under arbitration)
12. In the year 2013-14 the above contract for Jais Campus project was awarded to M/s NOCL Limited on a Composite Contract value of Rs 301,54,61,252/- on an area of 9 Lakh sq.ft. The contractor has completed work to the tune of Rs. 225,33,89,296.00 till 31<sup>st</sup> March 2016 against which an amount of Rs. 12,19,42,847.00 is outstanding as payable to them for the month of March 2016 and has been disclosed under Schedule 5 – Current Liabilities and Provisions.
13. The EFC Note for ROE and the roll-over of Govt funding of the project from 11<sup>th</sup> to 12<sup>th</sup> Plan and sanction of the revised cost of the Jais Project was received on 16.3.2015 (F.No./2024/6/2012-Gen.(Vol. II) dated 16.3.2015). The total project cost sanction has revised to Rs.538 crore from previous sanction of Rs.435 crore. During the year MoPNG has released Rs.48 crore from CBS for Jais construction.
14. On the advice of Ministry of Petroleum and Natural Gas (vide letter No J-25011/19/2015-Gen dated 13.2.2016) a grant of Rs.23.50 crore is released to RGIPT during the year to be maintained for establishing Indian Institute of Petroleum and Energy (IIPE). The fund is to be transferred in full to IIPE after making adjustment of Rs.49,70,243.00 which was incurred by RGIPT on behalf of IIPE towards preparation of DPR for IIPE and IIT JEE Fee.
15. MoPNG in its meeting held on 14.2.2014 proposed to set up a centre of RGIPT in the area of Fire Engineering, Safety and Environment Research at Bangalore. The foundation stone for this centre was laid at Kambalipura (Bangalore) by Minister FNG on 5.3.2014. RGIPT has prepared DPR for this Bangalore Centre and submitted to MoPNG. These preliminary nature of expenses for Rs.30.16 lakh for the above purpose was incurred by RGIPT Raibareli and charged to its Income and Expenditure during 2013-14, as allocation of fund for the Bangalore Centre was under process with MoPNG. The expenditure of Rs.30.16 lakh will be written back in accounts of Raibareli and adjusted against the specific fund after it is released by the Government.
16. **Provision for Doubtful Debt.**  
Student Fee of Rs.4,12,500.00 was not collected from 3 MBA students (of 2010 batch) on sympathetic ground while they were continuing their study at RGIPT on the condition that they will repay the fee after getting employment. Out of the above amount Rs.40,000/- has been recovered and efforts are on to recover the outstanding amount of Rs.3,72,500. In the opinion of Government Audit the outstanding amount of Rs.3,72,500 should be provided for as doubtful debts since recovery of the outstanding dues from students is not certain. Accordingly, the outstanding amount has been provided for as Doubtful Debt under the head of Expenditure in the Income and Expenditure account, during the current year.

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### 17. Contingent Liabilities

- (a) The following claims by the Contractors are under dispute for which Arbitration process has been invoked against the institute and the liability towards which as on 31.3.2016 is un-ascertainable:-

(i) Rs. 1,49,41,814.00 plus interest in respect of civil work of boundary wall at RGIPT Campus in Jais, against which RGIPT has lodged counter claim of Rs. 52,62,280.00 plus interest.

(ii) Rs. 73,88,93,012.00 plus interest in respect of Civil and Structural Work of RGIPT Campus in Jais, against which RGIPT has lodged counter claim of Rs. 58,99,55,835/- plus interest.


(iii) Rs. 10,49,29,892.00 plus interest in respect of Finishing & Façade work of RGIPT Campus in Jais.

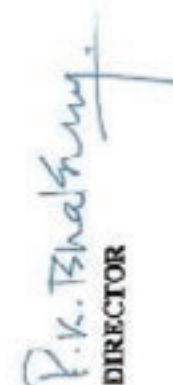
- (b) An arbitration award for arrear salary (approx. Rs. 4.24 lakhs plus interest) against a claim from an ex-employee is under litigation in the Court of Law and no liability has materialized as on 31.03.2015.

- (c) RGIPT has taken on lease premises from M/s ITI Ltd Rae Bareilly from 2008 with enhancement clause of 10% every two years. The contract period has expired in July 2013 at which time RGIPT was paying monthly rent of Rs.10,08,739/- to ITI as per terms of the contract. M/s ITI has made a demand of enhanced monthly lease rental of Rs.19,64,185/- in order to further renew the lease for the above premises. In the meantime RGIPT revised the monthly rental by 10% to Rs. 11,09,613/- according to terms of the lease signed in 2008. The monthly rent is being duly accepted by ITI Ltd. The matter of renewal of lease and fixation of rent is under discussion between RGIPT and ITI and no liability has materialized. Matter has also not been referred to any Authority for redressal.

### 18. Capital Commitments

RGIPT had awarded a Composite work contract for RGIPT Campus in Jais for Rs. 301.54 Crore out of which work of Rs. 226.39 Crore has been completed till 31<sup>st</sup> March 2016 and the balance capital commitment on this account is Rs. 75.15 Crore.

  
DY. REGISTRAR

  
DIRECTOR

  
PRESIDENT (BoG)

TYPE (Rtn) / HEAD (PIN.)

## ANNEXURE – II

# CAG REPORT

विद्यारत्नम् महद्भनम्



गोपनीय

RAP/IOC/RGIPT/47-5/2016-17/

संख्या / No. :

**भारतीय लेखा तथा लेखापरीक्षा विभाग**  
कार्यालय महानिदेशक वाणिज्यिक लेखापरीक्षा  
एवं पदेन सदस्य, लेखापरीक्षा बोर्ड-II,  
नई दिल्ली

**INDIAN AUDIT & ACCOUNTS DEPARTMENT**  
**OFFICE OF THE DIRECTOR GENERAL OF**  
**COMMERCIAL AUDIT & EX-OFFICIO MEMBER,**  
**AUDIT BOARD - II, NEW DELHI**

दिनांक / DATE \_\_\_\_\_

सेवा में,

सचिव, भारत सरकार,  
पेट्रोलियम और प्राकृतिक गैस मंत्रालय  
शास्त्री भवन, नई दिल्ली-110001

विषय: राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान के वर्ष 2015-16 के लेखों पर पृथक लेखा  
परीक्षा प्रतिवेदन।

महोदय,

मैं, राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान, रायबरेली के वर्ष 2015-16 के लेखों पर  
पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) तथा वार्षिक लेखाओं की प्रति प्रेषित कर रही हूँ। इस संबंध  
में कृपया सुनिश्चित करें कि पृथक लेखापरीक्षा प्रतिवेदन एवं सम्बन्धित लेखों को संसद के दोनों  
सदनों के सम्मुख प्रस्तुत किया जाए एवं अन्तिम रूप से प्रस्तुत करने की तिथि भारत के नियंत्रक  
एवं महालेखापरीक्षक के साथ-साथ इस कार्यालय को भी सूचित करें।

कृपया पत्र की प्राप्ति की सूचना दें।



भवदीया,

ह.

(नन्दना मुंशी)

महानिदेशक वाणिज्यिक लेखा परीक्षा  
एवं पदेन सदस्य, लेखा परीक्षा बोर्ड-II  
नई दिल्ली

संलग्नक:- यथोपरि।



1. पत्र की प्रति, सचिव, भारत सरकार, पेट्रोलियम और प्राकृतिक गैस मंत्रालय, को जारी की गई पृथक लेखापरीक्षा प्रतिवेदन की प्रति सहित निदेशक, राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान, रायबरेली को प्रेषित की जाती हैं।

न.मुंशी

(नन्दना मुंशी)

महानिदेशक वाणिज्यिक लेखा परीक्षा  
एवं पदेन सदस्य, लेखा परीक्षा बोर्ड-II  
नई दिल्ली

संलग्नक: यथोपरि

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**Separate Audit Report of Comptroller and Auditor General of India on the accounts of Rajiv Gandhi Institute of Petroleum Technology for the year ended 31<sup>st</sup> March 2016.**

1. We have audited the attached Balance Sheet of Rajiv Gandhi Institute of Petroleum Technology (RGIPT) as on 31 March 2016 and the Income and Expenditure Account / Receipts and Payment Account for the year ended on that date under section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Services) Act, 1971 read with Section 26 of RGIPT Act, 2007. RGIPT has been set up under Rajiv Gandhi Institute of Petroleum Technology Act 2007 which has come into force from 1 June 2008. The preparation of these financial statements is the responsibility of the Institute's management. Our responsibility is to express an opinion on these financial statements based on our audit.
2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms etc. Audit observations on the financial transactions with regard to compliance with the Laws, Rules and Regulations (Propriety and Regularity) and efficiency-cum-performance aspects etc., if any, are reported through Inspection Report /CAGs Audit report separately.
3. We have conducted our audit in accordance with auditing standard generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and the disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.
4. Based on our audit, **we report that:**
  - i. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;

**CONFIDENTIAL**

- ii. The Balance Sheet and Income & Expenditure Account / Receipt and Payment Account dealt with by this report have been drawn up in the format approved by the Government of India.
- iii. In our opinion, proper books of accounts and relevant records have been maintained by the Institute in so far as it appears from our examinations of such books.
- iv. We further report that :-

**Grants-in-aid**

At the end of the year 2014-15, the Institute was having unspent balance of ₹ 21.54 crore. During the year 2015-16, the Institute received Grant of ₹ 68.64 crore and earned interest of ₹ 3.57 crore on unspent grant. Out of the total balance of ₹ 93.75 crore, it utilized ₹ 50.61 crore leaving an unspent balance of ₹ 43.14 crore as on 31.03.2016. Further as per directions of Ministry of Petroleum and Natural Gas, Institute has utilized ₹ 31.11 crore during the year from interest earned on unspent Corpus fund for payment of construction work which is to be replenished on receipt of Government Budgetary Support.

- v. Subject to our observations in the preceding paragraphs, we report that the balance sheet and Income & Expenditure Account/ Receipt and Payment Account dealt with by this report are in agreement with the books of Accounts.
- vi. In our opinion and to the best of our information and according to the explanation given to us, the said financial statements read together with the Accounting Policies and Notes on accounts, and subject to the significant matters stated above and other matters mentioned in Annexure give a true and fair view in conformity with accounting principles generally accepted in India.
  - a. In so far as it relates to the Balance Sheet, of the state of affairs of Rajiv Gandhi Institute of Petroleum Technology as at 31 March 2016; and
  - b. In so far as it relates to Income & Expenditure accounts of the surplus for the year ended on that date.

*N. Munshi*

(Nandana Munshi)  
Director General of Commercial Audit &  
Ex-Officio Member, Audit Board – II,  
New Delhi



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**ANNEXURE to SAR**

**1. Adequacy of Internal Audit System**

Institute did not have its own Internal Audit set up, Internal Audit manual has not been prepared by the Institute, however, Internal Audit for the year 2015-16 has been carried out by a Chartered Accountant Firm.

**2. Adequacy of Internal Control System**

Internal control system exists in the Institute and required procedures were being followed in accordance with rules and guiding principles of the institute as prescribed in the RGIPT Act of the Parliament.

**3. System of Physical Verification of Assets**

Physical verification of the Fixed Assets for the year 2015-16 was carried out on 31<sup>st</sup> March 2016. Nothing significant has been found.

**4. System of Physical Verification of inventory**

Institute is not maintaining any inventory as on 31.03.2016.

**5. Regularity in payment of Statutory Dues**

There were no statutory dues outstanding against the Institute during 2015-16.

  
Director (OIT)



विद्यारत्नम् महद्धनम्

**l E dZContact:**

रघुनाथ भट्टाचार्या Raghunath Bhattacharya

कार्यवाहक कुलसचिव Acting Registrar

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**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY (RGPT)**

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