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अध्याय 1

निदेशक का प्रतिवेदन



मुझे शैक्षणिक वर्ष 2018-19 के लिए आरजीआईपीटी की वार्षिक रिपोर्ट प्रस्तुत करने का सौभाग्य प्राप्त हुआ है। यह एक ऐसा वर्ष रहा है जिसमें हम केवल अपने उद्देश्यों पर ध्यान केंद्रित कर कुछ गंभीर चुनौतियों को पार कर सके।

आरजीआईपीटी को पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय, भारत सरकार द्वारा संसद के एक अधिनियम के अंतर्गत भारतीय प्रौद्योगिकी संस्थानों के समान “राष्ट्रीय महत्व के संस्थान” के रूप में स्थापित किया गया है। आरजीआईपीटी देश का ऐसा पहला केंद्र द्वारा वित्त पोषित तकनीकी संस्थान है जिसे पेट्रोलियम एवं ऊर्जा के क्षेत्र में स्थापित किया गया है। यह देश में पेट्रोलियम इंजीनियरिंग के ऊर्ध्वप्रवाह एवं अनुप्रवाह (अपस्ट्रीम एवं डाउनस्ट्रीम) तथा सम्बद्ध क्षेत्रों से जुड़ी शिक्षा एवं अनुसंधान का एक नया मानदंड स्थापित करने हेतु निर्मित किया गया है। आरजीआईपीटी को तेल उद्योग विकास बोर्ड के सहयोग से छह राष्ट्रीय तेल सार्वजनिक उपक्रमों का सह-प्रवर्तन प्राप्त है।

मैं बताना चाहूंगा कि यह नया परिसर भारत सरकार के 370 करोड़ से अधिक बजट सहयोग के साथ बनाया गया है। यह अत्याधुनिक नया परिसर 1100 छात्रों को समायोजित करने के लिए 47 एकड़ भूमि पर बनाया गया है। इस परिसर में दो शैक्षणिक भवन शामिल हैं जिनमें 16 व्याख्यान कक्ष एवं 20 शिक्षण व अनुसंधान प्रयोगशालाओं के अलावा कैम्पस के भीतर आवासीय परिसर, वाणिज्यिक परिसर, स्वास्थ्य केंद्र, अतिथि छात्रावास, खेलने की सुविधा, छात्रावास और शानदार सभागार का प्रावधान भी है। ऊर्जा बचाने के हमारे प्रयास में, नवीन और नवीकरणीय ऊर्जा मंत्रालय (एमएनआरई) के दिशानिर्देशों के अनुसार, दोनों शैक्षणिक भवनों की छत पर सौर पैनल स्थापित किए गए हैं।

आरजीआईपीटी के शैक्षणिक प्रयासों को आगे बढ़ाने के लिए शिवसागर, असम और बेंगलोर में दो और केंद्र स्थापित किए गए थे। शिवसागर, असम केंद्र की स्थापना तेल व गैस से संबंधित क्षेत्रों में कौशल विकास प्रशिक्षण तथा डिप्लोमा व उन्नत डिप्लोमा स्तर की डिग्री प्रदान करने के लिए की गई है, जबकि बेंगलोर केंद्र की स्थापना प्रौद्योगिकी के व्यवसायीकरण, परामर्शीय सेवाओं, उद्यमशीलता और अनुवादकीय अनुसंधान को बढ़ावा देने के लिए की गई है। वर्तमान में, असम केंद्र केमिकल इंजीनियरिंग, पेट्रोलियम इंजीनियरिंग एवं पाइपिंग इंजीनियरिंग में तीन वर्षीय डिप्लोमा कार्यक्रम प्रदान कर रहा है

जिनकी प्रत्येक शाखा में 30 छात्रों को प्रवेश दिया जाता है। बैंगलोर एनर्जी संस्थान वर्तमान में नवीकरणीय ऊर्जा, विद्युत् एवं ऊर्जा प्रणाली इंजीनियरिंग तथा ऊर्जा विज्ञान व प्रौद्योगिकी में एम.टेक. कार्यक्रम संचालित करता है तथा प्रत्येक विषय में 12 छात्रों को प्रवेश दिया जाता है।

कुछ पहल एवं उपलब्धियां

वर्तमान में आरजीआईपीटी, जायस इंजीनियरिंग, विज्ञान, मानविकी और प्रबंधन के विभिन्न विषयों में 02 स्नातक कार्यक्रम (पेट्रोलियम एवं केमिकल इंजीनियरिंग में बी. टेक.), 03 स्नातकोत्तर (पेट्रोलियम एवं केमिकल में एम. टेक. व एमबीए) तथा डॉक्टोरल कार्यक्रम प्रस्तुत कर रहा है।

आरजीआईपीटी नए स्नातकों द्वारा उद्योग की अपेक्षाओं को पूरा किये जाने के लिए सचेत रूप से प्रयासरत है। एक अधिकार प्राप्त समिति वर्तमान में हाइड्रोकार्बन तथा ऊर्जा क्षेत्रों द्वारा आवश्यक दक्षताओं में क्षमता निर्माण को बढ़ावा देने हेतु स्नातक एवं स्नातकोत्तर कार्यक्रमों के लिए पाठ्यक्रम के संशोधन (उद्योग से प्राप्त अपेक्षाओं पर आधारित) पर काम कर रही है। संस्थान ने नवाचार की आदत के रूप में त्वरित शोध को विकसित करने, उद्यमशीलता की संस्कृति को पोषित करने और सहयोग के माध्यम से तालमेल स्थापित करने पर ध्यान केंद्रित किया है। हमने हाइड्रोकार्बन उद्योगों के साथ सहयोग करने तथा अपने समकक्ष उच्च कोटि के संस्थानों के साथ संबंधों को मजबूत करने के लिए व्यापक प्रयासों की शुरुआत की है। आरजीआईपीटी सार्वजनिक क्षेत्र के उपक्रमों की तेल रिफाइनरियों एवं विभिन्न अनुसंधान व विकास सुविधाओं की नियमित औद्योगिक यात्राओं के माध्यम से छात्रों को उनके कार्यों की जानकारी मिलना सुनिश्चित करता है। संस्थान छात्रों को तत्कालीन वर्तमान समय में सीखने के लिए आवधिक फील्ड यात्राओं की व्यवस्था भी करता है।

प्रशिक्षण एवं नियोजन

वर्ष 2018-19 के दौरान स्नातक-स्नातकोत्तर छात्रों के लिए नियोजन गतिविधियों के तारतम्य में कैपस भर्ती हेतु 15 कंपनियों की भागीदारी रही। इसके अलावा, कई कंपनियों ने कैपस भर्ती के अलावा भी नियोजन किये अथवा छात्रों का एक वर्ग उच्च अध्ययन में रुचि दार्शता रहा। ऊर्जा, सेवाओं, परामर्श और विनिर्माण क्षेत्रों की कई फर्मों ने स्नातक करने वाले छात्रों को नियोजन की पेशकश के लिए परिसर का दौरा किया, जिनमें राष्ट्रीय तेल सार्वजनिक उपक्रम भी शामिल थे।

छात्र

आरजीआईपीटी में छात्रों का ध्यान शिक्षण पर केंद्रित रहता है और वे अपने ज्ञान व कौशल दर्शाने के साथ वैश्विक स्तर पर छाप छोड़ने के लिए सदैव तैयार होते हैं, और यह हमारे पुरस्कारों तथा उपलब्धियों से स्पष्ट है। इस वर्ष, छात्रों ने BARC एवं भारतीय प्रौद्योगिकी संस्थान, गांधी नगर के संयुक्त सम्मेलन में सर्वश्रेष्ठ पोस्टर पुरस्कार जीता है। 2019 में, हमारे छात्र वकार कलीम को एसएन बोस स्कॉलर के रूप में नामित किया गया, जो भारत के एकमात्र ऐसे पेट्रोलियम इंजीनियरिंग छात्र हैं, जिन्होंने पेन स्टेट यूनिवर्सिटी, यूएसए में एक शोध परियोजना आरम्भ की है। उन्हें जर्मनी के TU क्लाउस्टल में अपने प्रोजेक्ट का काम करने के लिए DAAD WISE फेलोशिप से भी सम्मानित किया गया है। हमारे दो छात्रों, आनंद कुमार और मृग्या फोगाट को 8वें विश्व पेट्रोलियम काउंसिल मेंटरिंग प्रोग्राम के लिए चुना गया और वे ऐसे 5 भारतीयों में शामिल थे, जिन्होंने रूस के सेंट पीटर्सबर्ग में फ्यूचर लीडर्स फोरम में भारत का प्रतिनिधित्व किया। हमारे छात्रों सौरभ तिवारी और वकार कलीम ने SP ऑयल एंड गैस इंडिया कॉन्फ्रेंस में SPE साउथ एशिया रीजनल स्टूडेंट पेपर कॉन्टेस्ट में क्रमशः स्नातकोत्तर एवं स्नातक श्रेणियों में क्रमशः प्रथम एवं तृतीय पुरस्कार प्राप्त किया। वकार कलीम और मृग्या फोगाट को अमेरिकन एसोसिएशन ऑफ पेट्रोलियम जियोलॉजिस्ट द्वारा एल ऑस्टिन वीक अंडर ग्रेजुएट अवार्ड के साथ सम्मानित किया गया। आदित्य सिंह और प्रांजल माहेश्वरी ने HPCL, बैंगलोर द्वारा आयोजित न्यू जनरेशन आइडिएशन कॉन्टेस्ट में आरजीआईपीटी का प्रतिनिधित्व किया। हमारे पूर्व छात्र गिरीश जोशी, जो 23 देशों के शीर्ष भू-विज्ञान विश्वविद्यालयों के 70 चयनित छात्रों के बीच एक थे, उन्होंने अंतर्राष्ट्रीय पेट्रोलियम प्रौद्योगिकी सम्मेलन 2019 के IPTC एजुकेशन वीक में समूह प्रस्तुति में द्वितीय उपविजेता का स्थान हासिल किया। हमारे चार छात्रों, अंशुमन, जुगराज, कार्तिकेय और सत्यम को 9 वें विश्व पेट्रो कोल कांग्रेस में छात्र प्रतिनिधि के रूप में आमंत्रित किया गया था और हमारे एक छात्र आकाश दीप मिश्रा ने दिल्ली में आयोजित पेट्रोटेक अंतर्राष्ट्रीय सम्मेलन में अपना शोधपत्र प्रस्तुत किया।

हमारे छात्र अकादमिक उत्कृष्टता के लिए प्रयास करते हैं, तथा समाज के प्रति भी संवेदनशील हैं और ऐसे कार्य करते हैं जो लोगों और समुदायों को छूते हैं। आरजीआईपीटी के छात्र सामाजिक पहल का “अर्पण” नामक एक क्लब चलाते हैं।

संकाय

किसी भी शैक्षणिक संस्थान का विकास उसके संकाय सदस्यों के अनुसंधान और शिक्षण की दक्षता पर निर्भर है। आरजीआईपीटी को 31 संकाय सदस्यों के प्रतिभाशाली दल का सौभाग्य प्राप्त है। सभी भारतीय प्रौद्योगिकी संस्थान, बनारस हिन्दू विश्वविद्यालय, मिनेसोटा, टेनेसी, पेन्सिल्वेनिया विश्वविद्यालय, कैनसस स्टेट, मैक्स प्लैंक जर्मनी जैसे प्रमुख संस्थानों से पीएचडी की उपाधि प्राप्त हैं, जिनमें से कुछ को पोस्ट-डॉक्टरल अनुभव है। इसके अलावा, उद्योग के कई विशेषज्ञ अतिथि व्याख्यान देने और छात्रों को प्रेरित करने के लिए संस्थान का दौरा करते हैं। संस्थान, संकाय सदस्यों के व्यावसायिक विकास के लिए सम्मान्य संस्थानों की विनिमय यात्राओं को भी प्रोत्साहित करता है। हमारे संकाय सदस्यों में से एक ने परमाणु भौतिकी में सहयोगी अनुसंधान कार्य को आगे बढ़ाने के लिए लुंड विश्वविद्यालय, स्वीडन के गणितीय भौतिकी विभाग में कार्य किया। संकाय के एक अन्य सदस्य ने हाल ही में विजिटिंग फैकल्टी अनुसंधान के रूप में अल्बर्टा, कनाडा विश्वविद्यालय का दौरा किया और CO₂ आधारित EOR एवं सीक्वेस्ट्रेशन एप्लीकेशंस पर चल रहे शोध कार्यों में योगदान दिया।

सम्मेलन और लघु अवधि के पाठ्यक्रम

आरजीआईपीटी द्वारा इंडियन ऑयल कॉर्पोरेशन के नए पदोन्नत केमिकल इंजीनियर्स के लिए ‘रिफाइनिंग टेक्नोलॉजी’ पर पांच बार सतत दो-सप्ताह का कार्यक्रम आयोजित किया गया।

एडवांस्ड रिफाइनिंग टेक्नोलॉजी पर BPCL कोच्चि रिफाइनरी के 25 प्रोसेस इंजीनियर्स के लिए एक दो-दिवसीय प्रशिक्षण कार्यक्रम आयोजित किया गया।

तेल उद्योग के मध्यम स्तर के प्रबंधकों के लिए अंतर्राष्ट्रीय व्यापार और रिफाइनरी अर्थशास्त्र तथा मार्जिन सुधार पर दो कार्यक्रम सफलतापूर्वक आयोजित किए गए।

परिसर में तेल व गैस उद्योग में डिजिटल परिवर्तन पर दो दिवसीय ‘विंटर स्कूल’ के साथ-साथ रिसर्च स्कॉलर्स डे परिष्ठी 2018 का आयोजन किया गया।

प्रबंधन अध्ययन विभाग द्वारा ऊर्जा क्षेत्र में उभरती चुनौतियों और अवसरों पर एक अंतर्राष्ट्रीय सम्मेलन आयोजित किया गया।

“गैर परंपरागत ऊर्जा संसाधन” पर तीन दिवसीय अंतर्राष्ट्रीय सम्मेलन का आयोजन संस्थान की एक उल्लेखनीय उपलब्धि रही है। सम्मेलन में इस क्षेत्र के कई दिग्गजों ने भाग लिया और उसे ONGC एवं IOCL द्वारा प्रायोजित किया गया था।

संस्थान ने “यौन उत्पीड़न मुक्त समाज: यूटोपियन” विषय पर एक संगोष्ठी सह कार्यशाला का आयोजन किया। ऐसे सम्मेलन वर्तमान समाज की स्थितियों को समझने हेतु छात्रों के लिए अत्यधिक उपयोगी हैं।

अनुसंधान गतिविधियाँ

अनुसंधान, आरजीआईपीटी की स्थापना के समय से हमेशा ही एक मुख्य गतिविधि रही है। संस्थान एम.टेक. और पीएचडी छात्रों के साथ-साथ बी.टेक छात्रों को भी विभिन्न जारी अनुसंधान गतिविधियों में सक्रिय रूप से शामिल करता है, क्योंकि यहां का शोध वातावरण हर स्तर पर बहुत गतिशील है। इसके परिणामस्वरूप, हमारे बी.टेक छात्रों ने जर्नल ऑफ फिजिकल केमिस्ट्री एंड केमिस्ट्री सिलेक्ट सहित शोध पत्रिकाओं में अपने कार्य को प्रकाशित किया है और एक भारतीय पेटेंट भी दायर किया है। पिछले तीन वर्षों में संकाय के सदस्यों ने 3 पुस्तकें और 140 से अधिक शोधपत्र प्रकाशित किए हैं। इस वर्ष फरवरी से संकाय सदस्यों ने कुल 21 शोधपत्र, पुस्तकों के 09 अध्याय और सम्मेलन की 08 कार्यवाही प्रकाशित की हैं, जो कि प्रतिष्ठित संस्थानों में से किसी के भी तुल्य है।

आरजीआईपीटी के शोध लेख अमेरिकन केमिकल सोसाइटी, रॉयल सोसाइटी ऑफ केमिस्ट्री, एल्सेवियर, विली इंटरसाइंस और स्प्रिंगर आदि जैसे अंतरराष्ट्रीय स्तर पर प्रतिष्ठित प्रकाशकों द्वारा प्रकाशित किये जाते रहे हैं। हमारे संकाय के सदस्यों को राष्ट्रीय एवं अंतरराष्ट्रीय स्तर पर व्याख्यान देने के लिए आमंत्रित किया गया है। वर्तमान में, DST, DAE, CSIR आदि से 10 बाह्य वित्त पोषित अनुसंधान परियोजनाएं चल रही हैं। इसी वर्ष में संकाय के सदस्यों द्वारा CSIR तथा SERB की 04 बाह्य वित्तपोषित अनुसंधान परियोजनाएं प्राप्त की गई हैं। आरजीआईपीटी ने संकाय के सदस्यों की अनुसंधान गतिविधियों को सहायता देने के लिए इन-हाउस प्रोजेक्ट फंडिंग भी आरम्भ की है। इस योजना के तहत वर्तमान में 01 करोड़ रुपये की कुल लागत के साथ 15 परियोजनाएं चल रही हैं।

आरजीआईपीटी ने हाल ही में IIT कानपुर, IIT बॉम्बे, IIT रुड़की, IIT गुवाहाटी, CSIR-IIT और CSIR-CIMFR के साथ अनुसंधान और शैक्षणिक सहयोग के लिए समझौता ज्ञापनों पर हस्ताक्षर किए हैं। आरजीआईपीटी के निदेशक, और संकाय के सदस्यों ने उद्योग-शैक्षणिक सहयोग को तेज करने के लिए तेल व गैस सार्वजनिक उपक्रमों के विभिन्न अनुसंधान एवं विकास केंद्रों में प्रस्तुतियां दी हैं। संस्थान ने अपने अधिकारियों को अगले तीन वर्षों के लिए प्रशिक्षण देने हेतु IOCL के साथ समझौता ज्ञापन पर हस्ताक्षर किए हैं।

अनुसंधान सुविधा और ढांचागत सुविधाएं

आरजीआईपीटी ने 15 से अधिक उच्च क्षमता के उपकरणों को समायोजित करने हेतु केंद्रीय अनुसंधान सुविधा के लिए एक अलग प्रयोगशाला को स्थान दिया है। पिछले एक वर्ष से, विभिन्न प्रयोगशालाओं में NMR, हाई प्रेशर एक्सोर्पेशन सिस्टम, हाई प्रेशर रिएक्टर, बायो ओक्सिडेशन स्टेबिलाइजर, TGA, XPS, हाई स्पीड कैमरा, फ्लो बैटरी स्टेशन और TCSPC जैसे कई विश्लेषणात्मक उपकरण स्थापित किए गए हैं। संस्थान ने 16 नए उपकरणों की खरीद की भी शुरुआत की है, जिनमें TEM, पल्स केमिसोर्पेशन एवं डीसोर्पेशन, ICP-OES, AFM, SAXS और रमन स्पेक्ट्रोमीटर शामिल हैं।

पुस्तकालय

आरजीआईपीटी केंद्रीय पुस्तकालय पूरी तरह कम्प्यूटरीकृत है और उसमें बड़ी संख्या में पुस्तकें हैं, और यह संख्या दिन प्रतिदिन बढ़ रही है। वर्तमान में, पुस्तकालय में इंजीनियरिंग, विज्ञान, मानविकी और सामाजिक विज्ञान से सम्बंधित 8000 से अधिक पुस्तकें उपलब्ध हैं। वर्तमान में, हम पुस्तकालय में छात्रों के लिए टेक्स्ट बुक बैंक बनाने की प्रक्रिया में हैं। पुस्तकालय में कुल 15 मुद्रित जर्नल्स, 14 पत्रिकाओं और 30,000 से अधिक फुल टेक्स्ट ऑनलाइन जर्नल्स तक पहुँच उपलब्ध हैं। पूरे परिसर में उपलब्ध इंटरनेट कनेक्टिविटी से छात्रों को पुस्तकालय के ऑनलाइन संसाधनों जैसे कि इफ्रालाइन, EBSCO, एमराल्ड, अमेरिकन केमिकल सोसाइटी (ACS), वन पेट्रो, SEG, AAPG आदि तक उपलब्ध होती है। पुस्तकालय सभी कार्य दिवसों पर सुबह 10 बजे से रात 12 बजे तक खुला रहता है। परीक्षाओं के दौरान पुस्तकालय चौबीसों घंटे खुला रहता है।

आप सभी का बहुत-बहुत धन्यवाद।

जय हिन्द !

प्रोफेसर ए. एस. के. सिन्हा

अध्याय 2

संगठनात्मक संरचना

महापरिषद्

अध्यक्ष	अध्यक्ष एवं प्रबन्ध निदेशक गेल (इण्डिया) लिमिटेड	प्रधान सलाहकार (ऊर्जा) नीति आयोग
सचिव पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय, भारत सरकार	अध्यक्ष एवं प्रबन्ध निदेशक ऑयल इण्डिया लिमिटेड	प्रबंध निदेशक ऑयल इण्डस्ट्रीज सेफ्टी डायरेक्ट्रेट
अन्य सदस्य	अध्यक्ष एवं प्रबन्ध निदेशक रिलायन्स इण्डस्ट्रीज लिमिटेड	सचिव ऑयल इण्डस्ट्रीज डेवलपमेन्ट बोर्ड
अध्यक्ष एवं प्रबन्ध निदेशक ओएनजीसी लिमिटेड	अध्यक्ष एवं प्रबन्ध निदेशक कैर्न एनर्जी इण्डिया लिमिटेड	निदेशक भारतीय प्रौद्योगिकी संस्थान कानपुर
अध्यक्ष इण्डियन ऑयल कॉर्पोरेशन लिमिटेड	अध्यक्ष एवं प्रबन्ध निदेशक शेल इण्डिया लिमिटेड	कुलपति रसायन प्रौद्योगिकी संस्थान, मुम्बई
अध्यक्ष एवं प्रबन्ध निदेशक भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड	अध्यक्ष एवं प्रबन्ध निदेशक एस्सार ग्रुप	सभापति आरजीआईपीटी संचालक मंडल
अध्यक्ष एवं प्रबन्ध निदेशक हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड	महानिदेशक डायरेक्ट्रेट जनरल ऑफ हाइड्रोकार्बन्स	निदेशक राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान

संचालक मण्डल

सभापति प्रो० के० बी० अखिलेश प्रोफेसर, आई आई एस सी, बेंगलुरु	प्रो० पी० के० भारद्वाज प्रोफेसर— रसायन विभाग, आईआईटी कानपुर	श्री प्रभात सिंह अध्यक्ष एवं प्रबन्ध निदेशक, पेट्रोनेट एलएनजी
सदस्य प्रो० पी० के० भट्टाचार्या निदेशक, आरजीआईपीटी	श्री पी० के० जोशी निदेशक, एचपीसीएल	डॉ० प्रदीप कुमार सिंह निदेशक— सीएसआईआर
श्री एम० बी० लाल पूर्व मुख्य प्रबंध निदेशक, एचपीसीएल	प्रो० प्रीतम सिंह पूर्व निदेशक— आईआईएम लखनऊ व एमडीआई	डॉ० डी० रामाकृष्णन प्रोफेसर— भूविज्ञान, आईआईटी बम्बई

अकादमिक सीनेट

अध्यक्ष प्रो० पी० के० भट्टाचार्या निदेशक, आरजीआईपीटी	प्रो० वी० पी० शर्मा प्रोफेसर — पेट्रोलियम इंजीनियरिंग, आईआईटी (आईएसएम) धनबाद	प्रो० चिरंजीव भट्टाचार्या प्रोफेसर — केमिकल इंजीनियरिंग, जादवपुर विश्वविद्यालय
सदस्य प्रो० वी० शंकर प्रोफेसर— केमिकल इंजीनियरिंग, आईआईटी कानपुर	प्रो० बी० वी० फणि प्रोफेसर — इंडस्ट्रियल व मैनेजमेंट इंजीनियरिंग, आईआईटी कानपुर	प्रो० चंद्रजीत बालोमाजमुदर प्रोफेसर— केमिकल इंजीनियरिंग आईआईटी रुड़की

वित्तीय समिति

सभापति प्रो० के० बी० अखिलेश प्रोफेसर, आई आई एस सी, बेंगलुरु	श्री एम० बी० लाल पूर्व मुख्य प्रबंध निदेशक, एचपीसीएल	श्री एस. एस. यादव प्रोफेसर— प्रबंधन, आईआईटी दिल्ली
सदस्य प्रो० पी० के० भट्टाचार्या निदेशक, आरजीआईपीटी	श्रीमती पेरिन देवी निदेशक— वित्त, पे.प्रा.गै.मंत्रालय	
	श्री एम० बी० लाल पूर्व मुख्य प्रबंध निदेशक, एचपीसीएल	

अध्याय 3

आरजीआईपीटी जायस के बारे में

तेल एवं प्राकृतिक गैस मंत्रालय भारत सरकार द्वारा राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान की स्थापना उत्तर प्रदेश के जायस, अमेठी क्षेत्र में संसदीय अधिनियम (राजीव गांधी इन्स्टीट्यूट ऑफ पेट्रोलियम टेक्नोलॉजी अधिनियम 2007) के द्वारा की गयी है। आरजीआईपीटी, भारतीय प्रौद्योगिकी संस्थान (आईआईटी) के समकक्ष 'राष्ट्रीय महत्व के संस्थान' के रूप में प्रतिष्ठित संस्थान है। संस्थान को स्वयं द्वारा डिग्री प्रदान करने का अधिकार प्राप्त है। आरजीआईपीटी सार्वजनिक क्षेत्र की छः महत्वपूर्ण ऊर्जा कम्पनियों (ओ.एन.जी.सी., आई.ओ.सी.एल., ओ.आई.एल., गेल, बी.पी.सी.एल. एवं एच.पी.सी.एल.) एवं ऑयल इण्डस्ट्रीज विकास बोर्ड के परस्पर सहयोग द्वारा विशेषतः ऊर्जा क्षेत्र के संस्थान के रूप में स्थापित किया गया है। संस्थान ऊर्जा तकनीक क्षेत्र के प्रसिद्ध अन्तर्राष्ट्रीय विश्वविद्यालयों व संस्थानों से जुड़ा हुआ 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 धुरी बनाना है।

आरजीआईपीटी की महत्वाकांक्षी योजना में पूर्वस्नातक, परास्नातक, पोस्ट ग्रेजुएट डिप्लोमा एवं डॉक्टरेट कार्यक्रमों, पेट्रोलियम तकनीकी एवं प्रबन्धन की उपाधियां विभिन्न स्तरों पर प्रदान करना शामिल है। संस्थान ने 2008 से 02 स्नातक और 02 पोस्ट ग्रेजुएट कार्यक्रमों के साथ अपनी शैक्षणिक गतिविधियां शुरू की हैं और बाद में अन्य पाठ्यक्रमों को भी जोड़ा है।



आरजीआईपीटी अधिनियम द्वारा संस्थान के प्रमुख उद्देश्य निम्न निर्धारित किये गये हैं-

- शिक्षा एवं शोध की गुणवत्ता एवं उत्कृष्टता को पोषित एवं उत्साहित करना ।
- इंजीनियरिंग तकनीकी, प्रबन्धन, विज्ञान एवं कला क्षेत्र में पूर्वस्नातक, परास्नातक, डॉक्टरेट डिग्रियों को प्रदान कर शैक्षणिक एवं शोध कार्यक्रमों को बढ़ावा देना है।
- डिग्री, डिप्लोमा, सर्टिफिकेट, शैक्षणिक विद्या सम्बन्धी उपाधियों या पदवी, मानद उपाधियों, अध्येतावृत्तियों, छात्रवृत्ति, पुरस्कार प्रदान करना
- तेल, एवं गैस इण्डस्ट्रीज के लाभ हेतु शोध एवं विकास कार्य को प्रोत्साहित करना
- तेल, गैस एवं पेट्रोकेमिकल क्षेत्र के राष्ट्रीय, क्षेत्रीय एवं अन्तरराष्ट्रीय खिलाड़ियों के साथ नेटवर्किंग द्वारा परस्पर सहयोग से शैक्षणिक एवं शोध को बढ़ावा प्रदान करना
- राष्ट्रीय, अन्तरराष्ट्रीय सम्मेलन, सेमिनार एवं संगोष्ठियां आयोजित करना
- आरजीआईपीटी अधिनियम ने भारत के राष्ट्रपति को संस्थान के कुलाध्यक्ष की मान्यता प्रदान की है तथा संस्थान निम्न प्राधिकृत निकायों के साथ अधिष्ठित है—
 - साधारण सभा—अध्यक्ष, सचिव, पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय
 - संचालक मण्डल
 - वित्तीय समिति
 - सीनेट एवं अधिकृत संगठन जिन्हें संस्थान के व्यवस्थापन अथवा परिनियम द्वारा घोषित किया गया है।

➔ **संस्थान के उद्देश्य एवं लक्ष्य** तेल एवं गैस क्षेत्र की ओर देश के युवाओं में अध्ययन की महत्वाकांक्षा विकसित करना। विश्वस्तरीय 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।



अध्याय 4

संकाय सदस्य

इंजीनियरिंग और विज्ञान

प्रो० पी० के० भट्टाचार्या

प्रोफेसर व निदेशक

पीएच०डी० (आईआईटी बॉम्बे)

डॉ० अभय कुमार चौबे

पीएच०डी० (बी०एच०यू०) - रसायन शास्त्र

डॉ० अमृतांशु शुक्ला

पीएच०डी० (आईआईटी खड़गपुर) - भौतिकी

डॉ० अतुल शर्मा

पीएच०डी० (देवी अहिल्या विश्वविद्यालय)

रेन्यूबल एनर्जी

डॉ० अमित रंजन

पीएच०डी० (मिनीसोटा विश्वविद्यालय)

केमिकल इंजीनियरिंग

डॉ० आलोक कुमार सिंह

पीएच०डी० (बी०एच०यू०) - भूगर्भशास्त्र

डा० चंचल कुण्डु

पीएच०डी० (आईआईटी खड़गपुर) - गणित

डॉ० अल्पेश कुमार

पीएच०डी० (आईआईटी कानपुर) - गणित

डा० देबाशीष पाण्डा

पीएच०डी० (आई आई टी मुम्बई)

रसायन शास्त्र

डॉ० गुंजन कुमार अग्रहरि

पीएच०डी० (आईआईटी कानपुर)

केमिकल इंजीनियरिंग

डॉ० कौशिक गुहा विस्वास

पीएच०डी० (आईआईटी खड़गपुर)

केमिकल इंजीनियरिंग

डॉ० एम०एस० बालाथनीगयमनी

पीएच०डी० (चोनम नेशनल यूनिवर्सिटी,

साउथ कोरिया) - केमिकल इंजीनियरिंग

डा० मनोज कुमार राजपूत

पीएच०डी० (आईआईटी कानपुर) - गणित

डा० मिलन कुमार

पीएच०डी० (टेनेसी यूनिवर्सिटी)

केमिकल इंजीनियरिंग

डॉ० राकेश कुमार

पीएच०डी० (आईआईटी कानपुर)

केमिकल इंजीनियरिंग

डॉ. अरशद एजाज

पीएच.डी. (आईआईटी कानपुर)- रसायनशास्त्र

डॉ० सतीश कुमार सिन्हा

पीएच०डी० (यूनिवर्सिटी ऑफ ओक्लाहोमा) भूभौतिकी

डा० सुषम बिश्वास

पीएच०डी० (आईआईटी, कानपुर)

जीओइंफार्मेटिक्स

डा० शिवान्जली शर्मा

पीएच०डी० (आई एस एम धनबाद)

पेट्रोलियम इंजीनियरिंग

डा० तुषार शर्मा

पीएच०डी० (आईआईटी मद्रास)

पेट्रोलियम इंजीनियरिंग

डॉ० यू० डी० द्विवेदी

पीएच०डी० (आईआईटी कानपुर)

इलेक्ट्रिकल इंजीनियरिंग

डॉ० यू० ओझा

पीएच०डी० (आईआईटी बाम्बे)

रसायन शास्त्र

डा० वेंकेटा सुब्बारायडू सिस्टला

पीएच०डी० (ओटो वोन ग्यूरिक यूनिवर्सिटी, जर्मनी)

- केमिकल इंजीनियरिंग

श्री डी. सी. तिवारी

अतिथि प्राध्यापक- पेट्रोलियम अभियांत्रिकी

मानविकी और प्रबंधन अध्ययन

डॉ० सौरभ मिश्रा

पीएच०डी० (चौधरी चरण सिंह विश्वविद्यालय, मेरठ) - अंग्रेजी

डॉ. अनिर्बन मुखर्जी

पीएच.डी. (कन्सास स्टेट यूनिवर्सिटी, यूएसए)

समाजशास्त्र

डा० देबाशीष जेना

पीएच०डी० (आईआईएम० लखनऊ) - प्रबंधन

डॉ० जया श्रीवास्तव,

पीएच०डी० (बनस्थली विश्वविद्यालय) - प्रबंधन

डॉ० कविता श्रीवास्तव

पीएच०डी० (आईआईटी कानपुर)

मार्केटिंग एवं उपभोक्ता व्यवहार

डॉ० रोहित बंसल

पीएच०डी० (आई आई टी रुड़की)

लेखा एवं वित्तीय प्रबंधन

डॉ० संजय कर

पीएच०डी० (उत्कल विश्वविद्यालय)

मार्केटिंग एवं अन्तर्राष्ट्रीय व्यापार

डा० सरोज कुमार मिश्रा

पीएच०डी० (आईआईटी, कानपुर)

प्रबंध अध्ययन

डॉ. प्रदीप कुमार परीदा

पीएच.डी. (जे.एन.यू.)

कार्यान्वयन रणनीति व नियंत्रण

डॉ. गोपाल शरण पराशरी

अतिथि प्राध्यापक- प्रबंध अध्ययन

श्री चन्दन कुमार

अतिथि प्राध्यापक- प्रबंध अध्ययन

संकाय—आरजीआईपीटी आसाम

श्री चिन्मयजीत शर्मा
एम.टेक., पेट्रोलियम टेक्नोलाजी
डिब्रूगढ़ विश्वविद्यालय

डॉ कमल कुमार तांती
पीएचडी, भौतिक विज्ञान
गुवाहाटी विश्वविद्यालय

डॉ पंचमी शर्मा
पीएचडी, रसायन विज्ञान
डिब्रूगढ़ विश्वविद्यालय

श्री रूपजीत सैकिया
एम.फिल., गणित
डिब्रूगढ़ विश्वविद्यालय

श्री नीलमज्योति लाहकर
एम.टेक., पेट्रोलियम टेक्नोलाजी
डिब्रूगढ़ विश्वविद्यालय

सुश्री सुकन्या हजारिका
एम.टेक., केमिकल इंजीनियरिंग
आईआईटी, मद्रास

श्री गौरी शंकर बोरा
एम.टेक., पेट्रोलियम इंजीनियरिंग
आईआईटी (आईएसएम) धनबाद

श्री रिकू दत्ता
एम.टेक., पेट्रोलियम टेक्नोलाजी
डिब्रूगढ़ विश्वविद्यालय

श्री आदित्य साहू
एम.टेक., पेट्रोलियम टेक्नोलाजी
डिब्रूगढ़ विश्वविद्यालय

श्री शेखर गोगोई
एम.टेक., पेट्रोलियम टेक्नोलाजी
डिब्रूगढ़ विश्वविद्यालय

श्री प्रियम हजारिका
एम.टेक., मेकेनिकल इंजीनियरिंग (ऊष्म शक्ति)
बिरला प्रौद्योगिकी संस्थान, मेसरा

डॉ. भास्कर ज्योति मेधी
पीएचडी
आईआईटी गुवाहाटी

संकाय—बैंगलूरु केन्द्र

डॉ. अर्जुन देव
पीएचडी, एनर्जी अध्ययन
आईआईटी दिल्ली

डॉ. देबाशीष डे
पीएचडी, नेनोसइंस एवं तकनीकी
आईआईटी खड़गपुर

डॉ. एडवर्ड पीटर ए
पीएचडी
आईआईटी कानपुर

डॉ. हकीम नियास यू एस
पीएचडी, फ्लूइड थर्मल इंजीनियरिंग
आईआईटी गुवाहाटी

डॉ. कमल कुमार भातलूरी
पीएचडी, केमिकल इंजीनियरिंग
आईआईटी गुवाहाटी

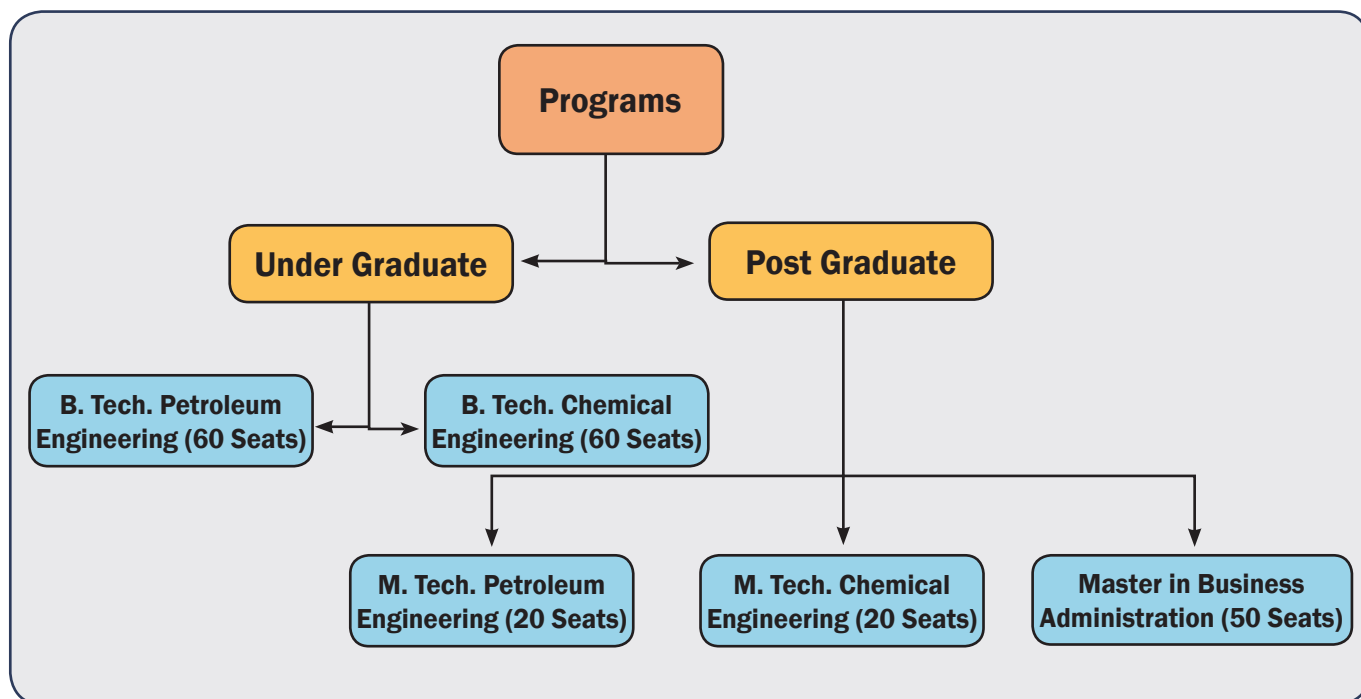
डॉ. रूपा मंजूनाथ
पीएचडी, इन्स्ट्रुमेन्शन एवं भौतिक विज्ञान
आईआईएससी, बैंगलोर

डॉ. शिवशंकर सुन्दरम
पीएचडी, एनर्जी इंजीनियरिंग
एनआईटी त्रिचुरापल्ली

डॉ. विश्वेश्वर शिवशंकरन
पीएचडी, फ्यूल सेल/भौतिक रसायन/मटेरियल साइंस
यूनिवर्सिटी दे बोरगोने एवं यूनिवर्सिटी दे
फ्रेंच-कोमेटे, फ्रांस

अध्याय 5

शैक्षणिक कार्यक्रम



आरजीआईपीटी द्वारा विभिन्न यूजी और पीजी कार्यक्रमों में छात्रों का प्रवेश विवरण

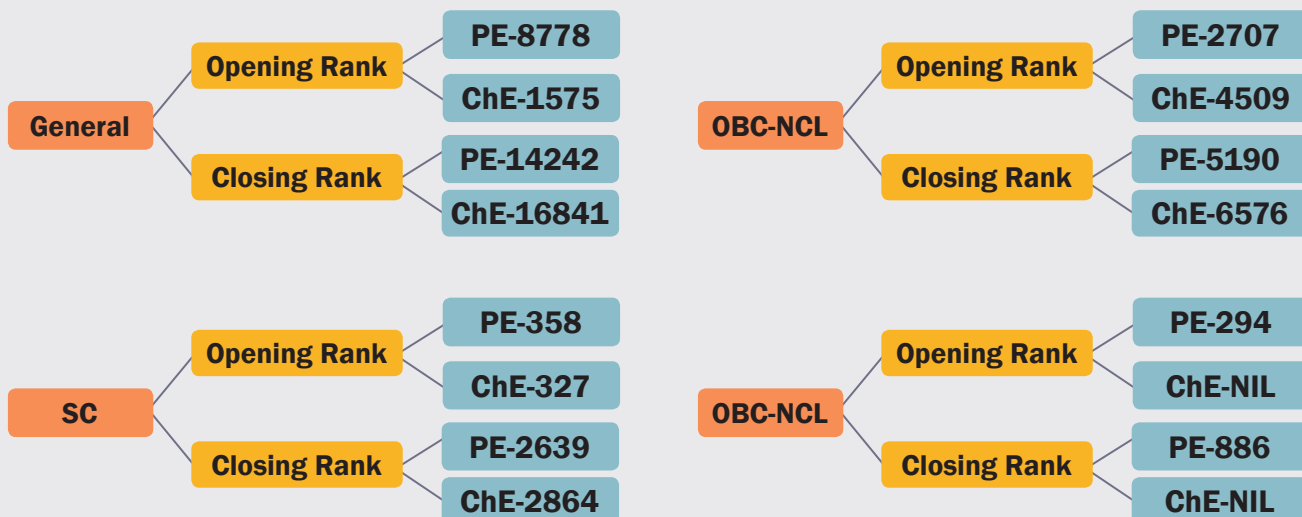
संस्थान 2008 से जायस, अमेठी मुख्य परिसर से स्नातक, स्नातकोत्तर, डॉक्टरेट कार्यक्रमों की पेशकश कर रहा है। इन सभी कार्यक्रमों के प्रवेश में संस्थान भारत सरकार के नियमों के अनुसार समाज के सामाजिक रूप से कमजोर वर्ग यानी अनुसूचित जाति/अनुसूचित जनजाति/अन्य पिछड़ा वर्ग/दिव्यांगों को अवसर प्रदान करता है। प्रत्येक कार्यक्रमों में विस्तृत क्षमता इस प्रकार है-

स्नातक कार्यक्रमों में प्रवेश

न्यूनतम पात्रता मानदंड:- उम्मीदवार को आईआईटी द्वारा आयोजित संबंधित वर्ष के जेईई (एडवांस्ड) में उत्तीर्ण होना चाहिए। उम्मीदवार को 60% 10+2 (PCM) या समकक्ष परीक्षा में (अनुसूचित जाति/अनुसूचित जनजाति / दिव्यांग- 55%) न्यूनतम कुल अंक प्राप्त होना चाहिए।

स्नातक कार्यक्रम (पेट्रोलियम एंड केमिकल इंजीनियरिंग में बी.टेक) में प्रवेश जुलाई 2018 में 109 छात्रों के साथ सफलतापूर्वक पूरा हुआ। शोध में 60 छात्र अनारक्षित श्रेणी के हैं, 30- अन्य पिछड़ा वर्ग (एनसीएल), 17- अनुसूचित जाति और 01- अनुसूचित जनजाति वर्ग के छात्र हैं। 3 छात्राएं थीं, जिन्होंने स्नातक कार्यक्रमों में प्रवेश लिया।

Candidate Applied for Admission to undergraduate Programme



विभिन्न श्रेणियों के तहत प्रारंभिक और अंतिम रैंक का विवरण

आईआईटी द्वारा आयोजित संबंधित वर्ष के जेईई (एडवांस्ड) मेरिट सूची-2018 में उम्मीदवारों की रैंकिंग पर स्नातक कार्यक्रमों में प्रवेश प्रदान किया गया है। प्रवेश की प्रक्रिया मई 2018 में जेईई उम्मीदवारों से आवेदन आमंत्रित करने के साथ शुरू होती है। संस्थान को देश भर के विभिन्न श्रेणियों से कुल 583 ऑनलाइन आवेदन प्राप्त हुए। स्नातक कार्यक्रम में प्रवेश के लिए आवेदन करने वाले उम्मीदवारों की प्रारंभिक और अन्तिम रैंक निम्नानुसार प्रस्तुत की गई है-

सभी प्राप्त आवेदन आईआईटी जेईई (एडवांस्ड) की रैंक सूची जो कि आयोजक जेईई, अध्यक्ष (आईआईटी, गुवाहाटी) से प्राप्त हुई, उसके द्वारा सत्यापित किये गये हैं। पहली अनन्तिम सूची 447 उम्मीदवारों की प्रकाशित की गई, जिसमें पंजीकरण शुल्क (सामान्य/ अन्य पिछड़ा वर्ग: ₹ 30,000/- एवं अनुसूचित जाति/अनुसूचित जनजाति / दिव्यांग: ₹ 10,000/-) भरने के निर्देश दिए गए। कुल 245 छात्रों ने शुल्क जमा किया, जिसके बाद 120 छात्रों की प्रथम मेरिट सूची ऑनलाइन प्रकाशित की गई, जिसमें अवशेष शुल्क (सामान्य/ अन्य पिछड़ा वर्ग: ₹ 1,00,000/- एवं अनुसूचित जाति/अनुसूचित जनजाति / दिव्यांग: ₹ 25,000/-) जमा करने के निर्देश दिये गये। अवशेष शुल्क जमा न करने की दशा में छात्र का नाम प्रवेश प्रक्रिया से हटा दिया गया। अंततः 109 छात्रों ने स्नातक कार्यक्रम में प्रवेश लिया।

परास्नातक एवं डॉक्टरेट कार्यक्रमों में प्रवेश

एम.टेक. कार्यक्रम में प्रवेश हेतु 40 सीट उपलब्ध थीं, जिनमें 20 केमिकल एवं 20 पेट्रोलियम इंजीनियरिंग की थीं। अंततः 05 छात्रों ने एम.टेक. केमिकल में तथा 02 छात्रों ने एम.टेक. पेट्रोलियम इंजीनियरिंग में प्रवेश लिया। छात्रों का चयन लिखित और व्यक्तिगत साक्षात्कार में उनके प्रदर्शन के आधार पर किया गया था। हलांकि एम.बी.ए. कार्यक्रम में 33 छात्रों का चयन CAT/XAT/CMAT/GMAT स्कोर के माध्यम से तथा इसके बाद लिखित क्षमता परीक्षण एवं व्यक्तिगत साक्षात्कार के द्वारा हुआ। संस्थान ऊर्जा, इंजीनियरिंग, प्रबंधन और बुनियादी विज्ञान के क्षेत्र में अनुसंधान को बढ़ावा देने के लिए विभिन्न विषयों में पीएचडी भी प्रदान करता है। शैक्षणिक वर्ष 2018 में 16 छात्र थे केमिकल इंजीनियरिंग, पेट्रोलियम इंजीनियरिंग, गणित, भूविज्ञान और रसायन विज्ञान के क्षेत्रों में अनुसंधान को बढ़ावा देने के लिए विभिन्न विषयों में पीएचडी में शामिल होने वाले।

आरजीआईपीटी असम

जनपद शिवसागर में आरजीआईपीटी असम केंद्र को शिक्षा और प्रशिक्षण कुशल तकनीकी श्रमशक्ति के कार्यक्रमों की पेशकश के लिए स्थापित किया गया था, जो कि पेट्रोलियम, पेट्रोकेमिकल और संबद्ध क्षेत्र के विभिन्न क्षेत्रों में सर्टिफिकेट, डिप्लोमा, पोस्ट डिप्लोमा स्तर के लिए प्रशिक्षण प्रदान करता है। पेट्रोलियम एवं प्राकृतिक गैस मंत्रालय की सहमति के आधार पर आरजीआईपीटी असम केंद्र में शैक्षणिक सत्र 18 सितंबर 2017 से 30 छात्रों के साथ 3 डिप्लोमा पाठ्यक्रमों पेट्रोलियम इंजीनियरिंग, केमिकल इंजीनियरिंग और पाइपिंग इंजीनियरिंग में शुरू किया गया। प्रवेश तकनीकी शिक्षा निदेशालय (डीटीई), असिस्टेंट गवर्नमेंट द्वारा पॉलिटेक्निक प्रवेश परीक्षा (पीएटी) के माध्यम से किया जाता है। तीन बैचों में कुल 264 छात्र हैं। पीएटी के माध्यम से चयनित सभी छात्र दसवीं कक्षा पास हैं।

वित्त वर्ष 2018-19 के लिए छात्रवृत्ति विवरण

1. विभिन्न प्रकार के छात्रवृत्ति विवरण

- उत्तर प्रदेश छात्रवृत्ति
- केंद्रीय क्षेत्र की छात्रवृत्ति
- मुख्यमंत्री मेधावी विद्यार्थी योजना (MMVY) छात्रवृत्ति
- ONGC छात्रवृत्ति
- इंजीनियरिंग इंडिया लिमिटेड
- आरजीआईपीटी और शेवरॉन जीत बिंद्रा छात्रवृत्ति
- अन्य राज्य छात्रवृत्ति (बिहार पंजाब, झारखंड आदि)

2. अप्रैल 2018 से मार्च 2019 तक विभिन्न प्रकार की छात्रवृत्ति के लिए संस्थान द्वारा छात्रों के आवेदन पत्र अग्रेषित किए गए:

- उत्तर प्रदेश छात्रवृत्ति - 20
- केंद्रीय क्षेत्र की छात्रवृत्ति - 11
- मुख्यमंत्री मेधावी विद्यार्थी योजना (MMVY) छात्रवृत्ति - 04
- ONGC छात्रवृत्ति - 01
- इंजीनियरिंग इंडिया लिमिटेड - 00
- आरजीआईपीटी और शेवरॉन जीत बिंद्रा छात्रवृत्ति - 57 (RMS-31 + RMCMS-22+ CJBS-4)
- अन्य राज्य छात्रवृत्ति (बिहार पंजाब, झारखंड आदि) - 27

शिक्षण प्रयोगशाला

स्नातक प्रयोगशाला

भौतिकी प्रयोगशाला: बी.टेक प्रथम वर्ष के इंजीनियरिंग छात्र के लिए प्रयोगशाला उपकरणों को पढ़ाने वाले यूजी भौतिकी में प्रयोगों की संख्या जोड़ी गई। इसके अलावा मुख्य लक्ष्य पेट्रोलियम उत्पादन, शोधन और इंजीनियरिंग क्षेत्र के साथ-साथ भौतिक विज्ञान की बुनियादी अवधारणाओं को मजबूत करने के लिए आधुनिक भौतिक विज्ञान प्रयोगों के लिए छात्र की पहुंच को सक्षम करना था। नए जोड़े गए प्रायोगिक सेटअप में धातुओं की तापीय और विद्युत चालकता का मापन, विवर्तन झंझरी विधि द्वारा मोनोक्रोमैटिक प्रकाश स्रोत की तरंग दैर्घ्य की माप, प्लैंक कॉन्स्टेंट का निर्धारण, अध्ययन करना कि सौर सेल की विशेषता और रैडबेर्गस कॉन्स्टेंट आदि की माप शामिल है। इन प्रयोगों को सफलतापूर्वक स्थापित किया गया है और खरीद की अनुमानित लागत 9.11 लाख रुपये थी।



रासायन प्रयोगशाला: बी.टेक प्रथम वर्ष के इंजीनियरिंग छात्रों के लिए प्रयोगशाला प्रयोगों को पढ़ाने वाले यूजी रासायन विज्ञान में उपकरणों की संख्या को जोड़ा गया। इसके अलावा मुख्य लक्ष्य पेट्रोलियम उत्पादन, शोधन और ऊर्जा क्षेत्र के साथ-साथ रासायन विज्ञान की बुनियादी अवधारणाओं को मजबूत करने के लिए आधुनिक रासायन विज्ञान प्रयोगों के लिए छात्र की पहुंच को सक्षम करना था। नए जोड़े गए प्रायोगिक उपकरण में फ्लूइड हुड, रोटरी बाष्पीकरण, वैक्यूम ओवन, बर्फ परत और बर्फ घन मशीन, सटीक संतुलन, पिघलने बिंदु उपकरण, सुखाने ओवन ओवरहेड स्टीयरर्स के साथ-साथ गर्म प्लेट चुंबकीय स्टीमर, आदि शामिल थे। इन उपकरणों को सफलतापूर्वक स्थापित किया गया है और खरीद की अनुमानित लागत 40 लाख रुपये थी।



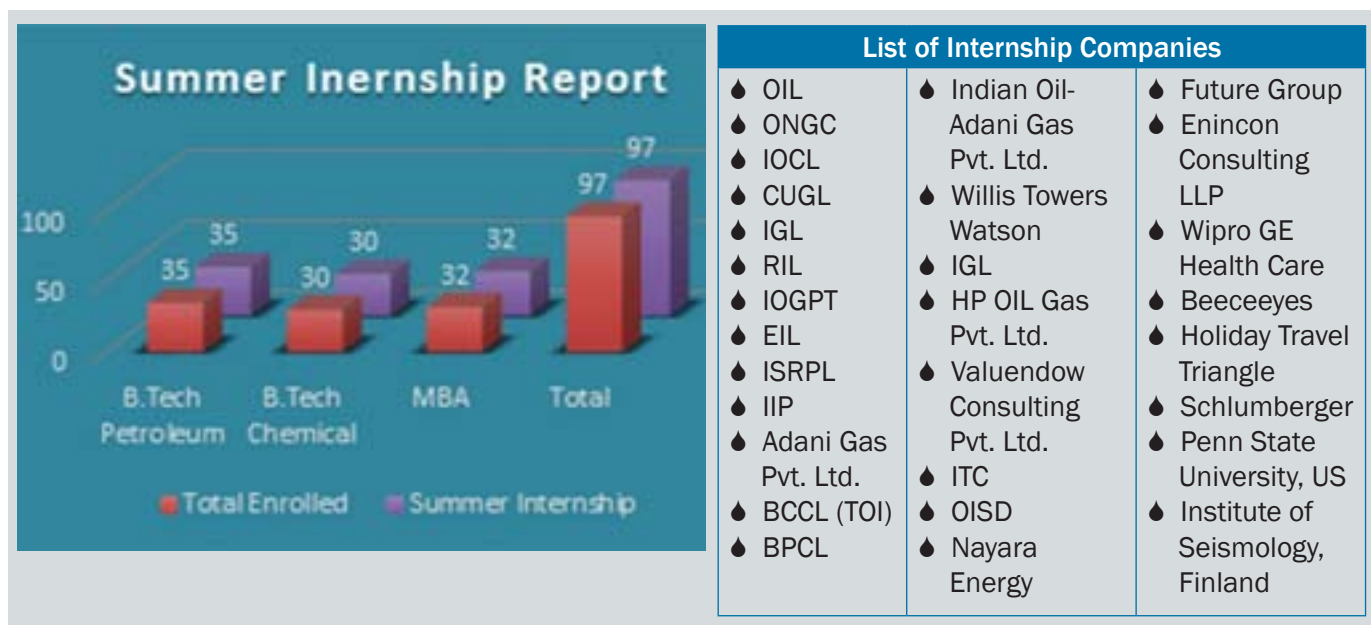
प्रशिक्षण एवं नियोजन विभाग

बहुत गर्व है कि राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान जायस (आरजीआईपीटी) ने बी.टेक. 2015-19, एम.बी.ए. 2017-19 और एम.टेक. 2017-19 के लिए नियोजन के सफल समापन की घोषणा की। पिछले 11 वर्षों में हमारे छात्रों ने उद्योग में अपने असाधारण कौशल और प्रतिभा का प्रदर्शन करते हुए कंपनियों पर स्थायी प्रभाव छोड़ा है।

प्रशिक्षण और नियोजन कार्यक्रम

ग्रीष्मकालीन इंटरनशिप

प्रशिक्षण एवं नियोजन विभाग ने बी.टेक. और एम.बी.ए. छात्रों के लिए ग्रीष्मकालीन इंटरनशिप कार्यक्रम को एक अनिवार्य पाठ्यक्रम कार्य के रूप में व्यवस्थित किया है जो छात्रों को कार्य अनुभव प्राप्त करने हेतु एक अल्पकालिक अवसर प्रदान करता है। एक प्रशिक्षु के रूप में, छात्र कार्यालय जाते हैं। तत्पश्चात सम्योचित परियोजनाओं पर काम करते हैं और उद्योग से संबंधित कौशल सीखते हैं। यह कक्षाओं में जो सिखाया जाता है और भर्तियों में जो उद्योगों की तलाष है, के बीच की रिक्ति पर पुल बांधने का एक तंत्र है। वर्ष 2018-19 के लिए ग्रीष्मकालीन इंटरनशिप की स्थिति निम्नानुसार है-



जिन कंपनियों ने आरजीआईपीटी के छात्रों को इंटरनशिप की पेशकश की

मॉक साक्षात्कार

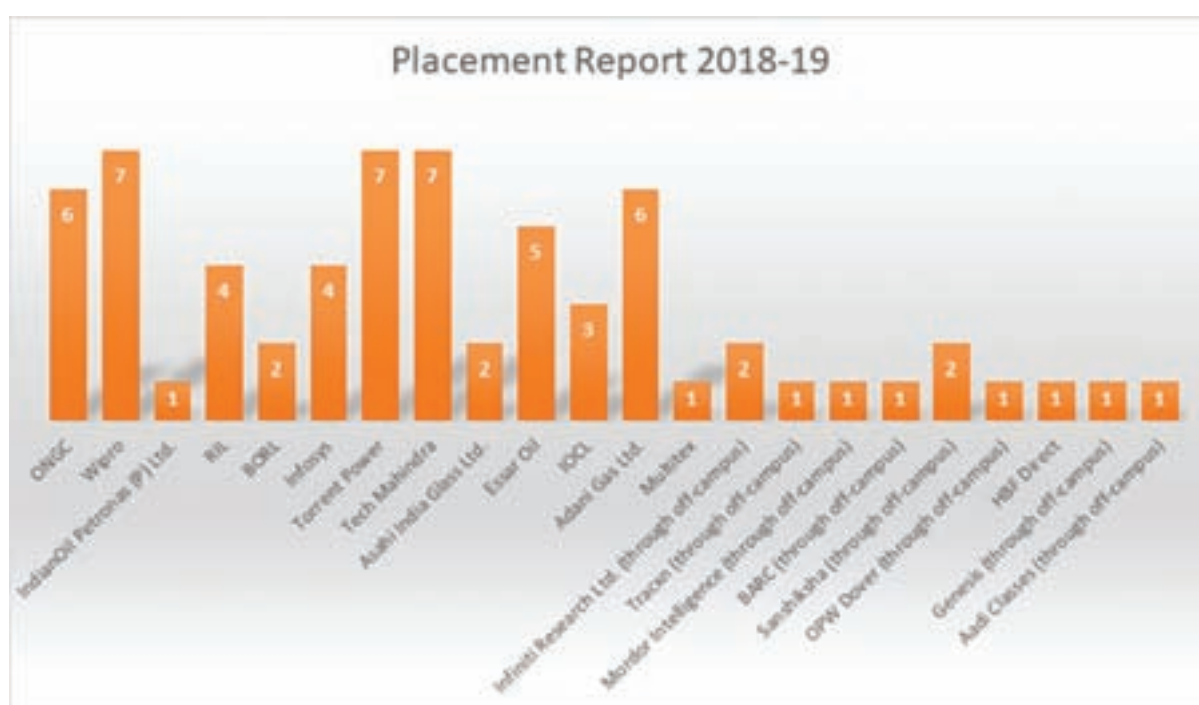
प्रशिक्षण एवं नियोजन विभाग ने स्नातक होने वाले छात्रों के लिए 4 एवं 5 जनवरी 2019 को मॉक साक्षात्कार का आयोजन किया। मॉक साक्षात्कार नौकरी के साक्षात्कार का अनुकरण है, जिसका उपयोग प्रशिक्षण उद्देश्यों के लिए किया जाता है। संवादी अभ्यास वास्तविक साक्षात्कार की बारीकियां सिखाने में कारगर होता है।

नियोजन 2018-19

वर्ष 2018-19 के दौरान यूजी-पीजी छात्रों के लिए नियोजन गतिविधियों में कैम्पस भर्ती में 13 कंपनियों की भागीदारी हुयी तथा इसके अतिरिक्त कई कंपनियों ने ऑफ-कैम्पस प्लेसमेंट हेतु भाग लिया। 75% यूजी छात्रों ने और 90% एमबीए छात्रों ने सफलतापूर्वक कैम्पस और ऑफ-कैम्पस ड्राइव के माध्यम से प्लेसमेंट प्राप्त किया तथा उच्च अध्ययन में भी कुछ छात्रों ने अपनी रुचि दिखाई। ऊर्जा, परामर्श और विनिर्माण क्षेत्रों की कई फर्मों ने स्नातक करने वाले छात्रों को प्लेसमेंट की पेशकश हेतु परिसर का दौरा किया, जिसमें राष्ट्रीय तेल सार्वजनिक उपक्रम भी शामिल थे। भर्ती कंपनियां ओएनजीसी, विप्रो, इंडियन ऑयल पेट्रोनास प्राइवेट लिमिटेड, आरआईएल, बीओआरएल, इन्फोसिस, टोरेंट पावर, टेक महिंद्रा, असही इंडिया ग्लास लिमिटेड, एस्सार ऑयल, आईओसीएल, एडिडास गैस लिमिटेड, मल्टीटेक्स भी इसमें सक्रिय रूप से शामिल हुए।

तालिका 1: प्लेसमेंट सीजन के आंकड़े (कैंपस/ऑफ-कैंपस भर्ती)— बीटेक और एमबीए

बैच का आकार	101
प्लेसमेंट के लिए पात्र छात्रों की संख्या	83
प्रस्तावों की संख्या	67
पात्र छात्रों की संख्या	67
पात्र छात्रों का प्रतिशत	80:72
प्रतिभागी कंपनियों की संख्या	13 (कैंपस), 10(ऑफ कैंपस)
उच्चतम सी टी सी	19 लाख
औसत सी टी सी	8.86 लाख



कैंपस रिक्रूटमेंट ड्राइव के दौरान विभिन्न कंपनियों में नियोजित हुए छात्रों की संख्या

अध्याय 6

केंद्रीय अनुसंधान सुविधा

केंद्रीय अनुसंधान सुविधा, आरजीआईपीटी एक अनुसंधान केंद्र है जिसके अंतर्गत इंजीनियरिंग और विज्ञान की सभी विभागों के प्राध्यापक अपने शोध कार्य करते हैं। सभी शोधकर्ताओं के लिए सुलभ परिष्कृत उपकरण से पूरी तरह सुसज्जित है। सीआरएफ का मुख्य उद्देश्य बुनियादी और अनुप्रयुक्त अनुसंधान गतिविधियों के समर्थन में सुविधाएं और तकनीकी विशेषज्ञता प्रदान करके विज्ञान और इंजीनियरिंग विषयों में उच्च गुणवत्ता अनुसंधान को बढ़ावा देना है। प्रयोगशाला प्राध्यापक और छात्रों के लिए वैज्ञानिक सोच और प्रयोगात्मक प्रदर्शन को बढ़ावा देती है। कुछ प्रमुख सीआरएफ उपकरण इस प्रकार हैं-

अनुसंधान प्रयोगशाला

1. ड्रिलिंग फ्लूइड डिजाइन अनुसंधान प्रयोगशाला, आरजीआईपीटी:

ड्रिलिंग फ्लूइड परीक्षण द्रव के गुणों और विशेषताओं का मूल्यांकन करने के लिए किया जाता है, और इसकी प्रदर्शन सीमाओं को निर्धारित करने के लिए, ड्रिलिंग तरल पदार्थ की ड्रिलिंग, ड्रिलिंग द्रव श्रेणियां, मिट्टी रसायन शास्त्र, ड्रिलिंग द्रव गुणों का आकलन,

- 1) परमाणु चुंबकीय अनुनाद स्पेक्ट्रोमीटर: मुख्य उपयोग रासायनिक यौगिकों के लिए संरचनात्मक विरूपण का पता लगाने के लिए है।

निर्माता: जेओल जापान



- 2) एक्स रे फोटोइलेक्ट्रॉन स्पेक्ट्रोमीटर: एक्सपीएस का उपयोग अकार्बनिक यौगिकों, धातु, उत्प्रेरक, चश्मा, सेरेमिक्स, पेंट, पेपर, स्याही, लकड़ी, पौधों के हिस्सों, मेकअप, दांत, हड्डियों मेडिकल प्रत्यारोपण, जैव सामग्री, कोटिंग, चिपचिपा तेल का विश्लेषण करने के लिए किया जाता है।



- 3) उच्च प्रदर्शन कंप्यूटिंग समूह: संदेश पारित इंटरफेस वातावरण में उपयोगकर्ता विकसित कोड, गौसियन और MATLAB पर आधारित सिमुलेशन के लिए उपयोग किया जाता है। प्रक्रिया से पूर्व डाटा टेक 360 का प्रयोग करता है।



ड्रिलिंग तरल पदार्थ का परीक्षण, द्रव रखरखाव उपकरण का परीक्षण, स्वास्थ्य, सुरक्षा, और पर्यावरण पर विचार एचपी/एचटी फिल्टर प्रेस, केशिका सक्शन टाइमर, प्रतिरोधकता मीटर, जलीय चरण गतिविधि किट जैसे विभिन्न नए उपकरणों को ध्यान में रखते हुए पूर्ण ड्रिलिंग द्रव डिजाइन लैब स्थापित करने के लिए जोड़ा गया था। नए उपकरणों की कुल लागत लगभग 58 लाख है।

2. ईओआर अनुसंधान प्रयोगशाला, आरजीआईपीटी:

पानी का भराव तेल निकासी की प्राथमिक विधि बनी हुई है, विशिष्ट वसूली मूल तेल की 20% से 50% उसी जगह पर होती है। पानी के भराव के बाद बचा हुआ तेल विभिन्न ईओआर तकनीकों के लिए एक संसाधन है। संवर्धित तेल की निकासी जलाशय में आम तौर पर मौजूद नहीं होने वाले पदार्थों के इंजेक्शन द्वारा तेल की वसूली है और ईओआर प्रक्रिया की माप वास्तव में उत्पादित तेल में अंतर है बनाम उत्पादित तेल की मात्रा का उत्पादन ईओआर प्रक्रिया शुरू नहीं किया गया है। ईओआर अनुसंधान प्रयोगशाला के विकास के लिए, कई नए प्रकार के उपकरण जैसे कि थर्मल जैकेट के साथ रेत पैक बाढ़ तंत्र, कोर बाढ़ सेट। एक और उपकरण टेन्सियोमीटर को जल्द ही तरल पदार्थों के पारस्परिक अध्ययन के लिए जोड़ा जाएगा।

3. भूकंपीय डेटा व्याख्या और अधिग्रहण प्रयोगशाला, आरजीआईपीटी:

प्रयोगशाला दोहरी मॉनिटर सेटअप के साथ 13 वर्कस्टेशन से सुसज्जित है, जहां छात्र किंगडम सॉफ्टवेयर और ओपेंड, टेक्ट सॉफ्टवेयर पर भूकंपीय डेटा व्याख्या सीखते हैं। हमारे पास उस व्याख्या सॉफ्टवेयर में से प्रत्येक का 50 लाइसेंस है, प्रयोगशाला में भूकंपीय डेटा अधिग्रहण के लिए PASI GEA- 24 प्रणाली है। हमें डाटा अधिग्रहण के लिए 24 चैनल ऊर्ध्वाधर जियोफोन और फील्ड टफ बुक मिली है।



अध्याय 7

प्राध्यापकों की उपलब्धियाँ एवं प्रकाशन

Dr. Alok Kumar Singh, Associate Professor

Publications:

- Alok K. Singh & Alok Kumar (2018)- Organic geochemical characteristics of Nagaur lignites, Rajasthan, India and their implication on thermal maturity and paleoenvironment. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. Vol. 40, No.15, pp. 1842-1851.
- Alok K. Singh, Annirudh Kumar, Prakash. K. Singh, Asha Lata Singh & Alok Kumar (2018)- Bacterial desulphurization of low rank coal: A Case Study of Eocene Lignite of Western Rajasthan, India. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol. 40, No.10, pp. 1199-
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- B.Pandey, D.B. Pathak, , N. Mathur, , Alok K Singh, and Prakash K Singh (2018)- A preliminary evaluation on the prospects of hydrocarbon potential in the carbonaceous shales of Spiti and Chikkim Formations, Tethys Himalaya, India. Journal Geological Society of India, Vol. 92, PP. 427-434.
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- Alok K Singh & Mritunjay Kumar Jha (2019)- Organic petrology and geochemistry of Permian coal seams of Sayal area, South Karanpura coalfield, Jharkhand, India: implications to hydrocarbon source potential and depositional environment. Petrotech 2019 13th International Oil and Gas Conference & Exhibition

Participation in Seminar/Symposium/Workshop etc

- Advancements in source rock technology and geochemical software in petroleum geochemistry and exploration", Hotel Taj Vivanta, Goa, Aug. 24-25th, 2018

Dr. Koushik Guha Biswas, Assistant Professor

Papers Published (2):

1. Augmented mass transfer in liquid-liquid flow through microchannels of different geometries, U. Kumar, D. Panda, K.G. Biswas*, Chemical Engineering & Processing: Process Intensification, 137 (2019) 72-79.
2. Studies of dehydrogenation reaction over zinc-alumina catalyst, K.G. Biswas*, L. Das, J.K. Basu, International Journal of Chemical Reactor Engineering, 20180004 (2018) 1-10.

Book Chapters (2):

1. Recent trends of process intensification in energy domain, K.G. Biswas*, Low Carbon Energy Supply - Trends, Technology, Management (ISBN No. 978-981-10-7325-0), Springer, 2018.
2. Role of biofuels/biomass in current energy scenario of India, K.G. Biswas*, L. Das, Low Carbon Energy Supply - Trends, Technology, Management (ISBN No. 978-981-10-7325-0), Springer, 2018.

Dr. Milan Kumar, Assistant Professor

Publications:

1. R. Pant, M. Kumar and A. Venkatnathan; Quantum Mechanical Investigation of Proton Transport in Imidazolium Methanesulfonate Ionic liquid, J. Phys. Chem. C, 2017, 121, 7069.
2. M. Kumar and A. Venkatnathan; Quantum Chemistry Study of Proton Transport in Imidazole Chains, J. Phys. Chem. B, 2015, 119, 3213.
3. M. Kumar and A. Venkatnathan; Mechanism of proton transport in ionic liquid doped Perfluorosulfonic acid membranes, J. Phys. Chem. B, 2013, 117, 14449.
4. M. Kumar, B. J. Edwards, and S. J. Paddison; A macroscopic model of proton transport through the membrane-ionomer interface of a polymer electrolyte membrane fuel cell, J. Chem. Phys., 2013, 138, 064903.
5. M. Kumar and S. J. Paddison; Side-chain degradation of PFSA membranes: An ab initio study, J. Mater. Res., 2012, 15, 1982.
6. C. Wang, J. K. Clark II, M. Kumar, and S. J. Paddison; An ab initio study of the primary hydration and proton transfer of CF₃SO₃H and CF₃O(CF₂)₂SO₃H: Effects of the hybrid functional and inclusion of diffuse functions, Solid State Ionics, 2011, 199-200, 6.
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Dr. Chanchal Kundu, Associate Professor

Publications (Apr., 2018- Mar., 2019):

1. Patra, A. and Kundu, C. (2019), Further results on residual life and inactivity time at random time. Communications in Statistics- Theory & Methods, DOI: 10.1080/03610926.2018.1563170. Online First.
2. Nanda, A.K., Maiti, S.S., Kundu, C. and Kundu, A. (2019), Parameter estimates of general failure rate model: A Bayesian approach. Journal of Computational and Applied Mathematics, Vol. 351, pp. 317-330.
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8. Ghosh, A. and Kundu, C. (2018), On generalized conditional cumulative past inaccuracy measure. *Applications of Mathematics*, Vol. 63 (2), pp. 167-193.
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10. Kundu, C. and Patra, A. (2018), Some results on residual life and inactivity time at random time. *Communications in Statistics- Theory & Methods*, Vol. 47 (2), pp. 372-384.

Dr. Rohit Bansal, Assistant Professor

Publications:

1. Kumar, D. Kumar, S. & Bansal, R. (2018), An Integrated Approach towards Query Based Learning on Multi-Objective Ant Lion Optimization, *Journal of Advanced Research in Dynamical and Control Systems*, Issue 4, pp. 800-809, (Scopus).
2. Dixit, A. Kumar, S. Bansal, R. & Pant, M. (2018), Dynamic Mutation Strategy of Differential Evolution based on PSO, *International Journal of Multimedia Information Retrieval*, Springer, (SCOPUS)
3. Kumar, D., Kumar, S. & Bansal, R. (2018), Multi-objective Multi-Join Query Optimization using Modified Grey Wolf Optimization, *International Journal of Advanced Intelligence Paradigms*, Inderscience, (Scopus) Accepted. DOI: 10.1504/IJAIP.2020.10019251
4. Dixit, A. Kumar, S. Bansal, R. & Pant, M. (2018), DE based Feature Selection Strategies for Text and Image Classification, *Multidimensional Systems and Signal Processing*, Springer, (SCOPUS) (Submitted).
5. Zahera, S. A. & Bansal, R. (2018), "Do investors exhibit behavioral biases in investment decision making? A systematic review", *Qualitative Research in Financial Markets*, Vol. 10 Issue: 2, pp.210-251, (Scopus, ESCI & ABDC-B) <https://doi.org/10.1108/QRFM-04-2017-0028>. (Emerald)
6. Dixit A., Kumar S., Pant M., & Bansal R. (2018), 'Hybrid Nature-Inspired Algorithms: Methodologies, Architecture, and Reviews'. In: Reddy M., Viswanath K., K.M. S. (eds) *International Proceedings on Advances in Soft Computing, Intelligent Systems and Applications*. *Advances in Intelligent Systems and Computing*, vol 628. pp 299-306, Scopus, DOI https://doi.org/10.1007/978-981-10-5272-9_29. (Springer).

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1.	D. Kumar, D. Mehrotra and R. Bansal,	"Metaheuristic Policies for Discovery Task Programming Matters in Cloud Computing	2018 4 th International Conference on Computing Communication and Automation (ICCCA)	Galgotias University Greater Noida, India,	December 14-15, 2018	1-5

Dr. Satish Kumar Sinha, Head- Department of Petroleum Engineering and Geological Sciences

Publications:

- Singh, H. K., Thankappan, A., Mohite, P., Sinha, S. K., Chandrasekharam, D., and Chandrasekhar, T., 2018, Geothermal energy potential of Tulsishyam thermal springs of Gujarat, India, Arabian Journal of Geosciences, 11:137, <https://doi.org/10.1007/s12517-018-3501-y>
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- Sinha, S. K., Maurya, R. K. and Sain, K. 2018, Demultiple of Seismic Data in Wavelet Transform Domain, Geohorizons, p:1-4

Dr. Tushar Sharma, Assistant Professor

Publications:

1. R.S. Kumar, S. Iglaue, J. Trivedi, T. Sharma* (2019). Novel nanomaterials of silica and sodium dodecyl sulfate for high salinity applications: improved dispersion stability and rheological properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects. Revisions requested.
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3. K.R. Chaturvedi, A.K. Singh, T. Sharma* (2019). Impact of shale on properties and oil recovery potential of sandstone formation for low salinity water (LSW) flooding applications. Asia-Pacific Journal of Chemical Engineering. e2352. doi.org/10.1002/apj.2352.
4. K.R. Chaturvedi, J. Trivedi, T. Sharma* (2019). Evaluation of polymer assisted carbonated water injection in sandstone reservoir: absorption kinetics, rheology and oil recovery results. Energy & Fuels. 33: 5438-5451.
5. R. Narukulla, U. Ojha, T. Sharma* (2019). Enhancing the stability and redispersibility of o/w Pickering emulsion through polyacryloyl hydrazide-tannic acid synergy. Colloids and Surfaces A: Physicochemical and Engineering Aspects. 568: 204-2015.
6. K.R. Chaturvedi, R. Kumar, J. Trivedi, J.J. Sheng, T. Sharma* (2018). Stable silica nanofluids of an oilfield polymer for enhanced CO₂ absorption for oilfield applications. Energy & Fuels. 32: 12730-12741.

Dr. Atul Sharma, Associate Professor

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- Karunesh Kant, R. Pitchumani, A. Shukla, Atul Sharma Analysis and design of air ventilated building integrated photovoltaic (BIPV) system incorporating phase change materials, Energy Conversion and Management, Vol. 196, 149-164 (2019).
- Hitesh Panchal, Ravishankar Sathyamurthy, A. E. Kabeel, S. A. El-Agouz, DSilva Rufus, T. Arunkumar, A. Muthu Manokar, D. Prince Winston, Atul Sharma, Nishant Thakar, Kishor Kumar Sadasivuni Annual performance analysis of adding different nanofluids in stepped solar still, Journal of Thermal Analysis and Calorimetry, <https://doi.org/10.1007/s10973-019-08346-x> (2019)
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- Karunesh Kant, A. Shukla, Atul Sharma, Pascal H. Biwloe Melting and solidification behaviour of phase change materials with cyclic heating and cooling, Journal of Energy Storage, Vol. 15, 274-282 (2018).
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Book Publication

- Atul Sharma, Amritanshu Shukla and Lu Aye, Low Carbon Energy Supply - Trends, Technology, Management, Springer (Pvt.) limited India, New Delhi, ISBN 978-981-10-7326-7 (2018).
- Amritanshu Shukla and Atul Sharma, Sustainability through Energy-Efficient Buildings, CRC Press, Taylor and Frances Group, ISBN 978-113-80-6675-5 (2018)

Book Chapters Publication

- Abhishek Anand, Amrtianshu Shukla, Atul Sharma, Phase change material – A sustainable way of solar thermal energy storage. In: Solar Energy in Agriculture: Principles and Applications, New India Publishing Agency (NIPA), New Delhi, Chapter – 21: 227-246 (2019).
- Abhishek Anand, Karunesh Kant, A. Shukla, Atul Sharma Latent Heat Storage for Solar Still Applications, Solar Desalination Technology: Concept, Design, Testing, Modeling, Economics and Environment". Springer Nature Singapore Pte Ltd., ISBN 978-981-13-6887-5, p.293-323 (2019).
- Atul Sharma, A. Shukla, Karunesh Kant Perspective of Solar Energy In India, Low Carbon Energy Supply - Trends, Technology, Management, Springer Nature Singapore Pte Ltd., ISBN 978-981-10-7326-7, p.17-35 (2018).
- Karunesh Kant, A. Shukla, Atul Sharma Building Integrated Photovoltaic: Building Envelope Material and Power Generator for Energy-Efficient Buildings, Sustainability through Energy-Efficient Buildings – CRC Press, ISBN 9781351658447, p. 109-130 (2018).
- Karunesh Kant, A. Shukla, Atul Sharma Heating Ventilation and Air-conditioning (HVAC) systems for energy efficient buildings, Sustainability through Energy-Efficient Buildings (Hardback) – CRC Press, ISBN 9781351658447, p. 165-180 (2018).
- Karunesh Kant, A. Shukla, Atul Sharma Advances in Simulation Studies for developing energy efficient buildings, Sustainability through Energy-Efficient Buildings (Hardback) – CRC Press, ISBN 9781351658447, p. 209-234 (2018).
- Mukul Sharma, Om Prakash, Atul Sharma, Anil Kumar Fundamentals and Performance Evaluation Parameters for Solar Dryer, Low Carbon Energy Supply - Trends, Technology, Management, Springer Nature Singapore Pte Ltd., ISBN 978-981-10-7326-7 (2018).

Conference Publications

- Abhishek Anand*, Shailender Singh, A. Shukla, Atul Sharma The Role of Phase Change Materials in Building Applications, International Conference on "Energy Storage Technologies and Systems" November 23-25 2018 Organized by Centre of Excellence in Renewable and Sustainable Energy Studies, Suresh Gyan Vihar University, Jaipur.

- Shailender Singh*, Abhishek Anand, A. Shukla, Atul Sharma Development of Phase Change Materials for Thermal Application, International Conference on "Energy Storage Technologies and Systems" November 23-25 2018 Organized by Centre of Excellence in Renewable and Sustainable Energy Studies, Suresh Gyan Vihar University, Jaipur.
- Shailendra Singh*, Abhishek Anand, A. Shukla, Atul Sharma Application of Thermal Energy Storage for Solar Water Heating Systems, International Symposium on Advances in Functional & Biological Materials, February 28 2019 Organized by Humboldt Academy Lucknow & Physics Dept., University of Lucknow.
- Abhishek Anand*, Shailender Singh, A. Shukla, Atul Sharma Application of Phase Change Materials in Biomedical Industry, International Symposium on Advances in Functional & Biological Materials, February 28 2019 Organized by Humboldt Academy Lucknow & Physics Dept., University of Lucknow.
- Shailendra Singh*, Abhishek Anand, A. Shukla, Atul Sharma Application of Thermal Energy Reservoir for Solar Water Heating Systems, Research Scholar Day-Parishti-2019, April 13, 2019 at Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi, U.P.
- Abhishek Anand*, Shailender Singh, Amritanshu Shukla, Atul Sharma Innovation In Biomedical Industry Through Latent Heat Storage Medium, Research Scholar Day-Parishti-2019, April 13, 2019 at Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi, U.P.

Dr. Rakesh Kumar, Assistant Professor

Publications:

- Zakir Hussain, Rakesh Kumar*, "Esterification of free fatty acids in karanja oil using novel corncob derived solid acid catalyst" Materials Today: Proceedings, 2018, 5 18033-18039.
- Zakir Hussain, Rakesh Kumar*, "Kinetics & simulation of non-catalytic esterification" Materials Today: Proceedings, 2018, 5 18275-18284.
- Zakir Hussain, Deepa Meghavathu, Rakesh Kumar*, "Kinetics and thermodynamics of adsorption process using spent-FCC catalyst" International Journal of Engineering & Technology, 2018, 7 (4.5) 284-287.
- Zakir Hussain, Rakesh Kumar, Deepa Meghavathu*, "Glimpses of dynamic biodiesel product pricing model" International Journal of Engineering & Technology, 2018, 7 (4.5) 224-227.
- Zakir Hussain, Deepa Meghavathu, Rakesh Kumar*, "Effect of quaternary ammonium salt addition to conventional biodiesel production process" International Journal of Engineering & Technology, 2018, 7 (4.5) 220-223.
- Md. Belal Haider, Divyam Jha, M.S.Balathanigaimani, Rakesh Kumar* "Thermodynamic and Kinetic Studies of CO₂ Capture by Glycol and Amine-Based Deep Eutectic Solvents" J. Chem. Eng. Data, 2018, 63(8), 2671-2680.
- Zakir Hussain, Rakesh Kumar* "Synthesis and characterization of novel corncob-based solid acid catalyst for biodiesel production" Industrial & Engineering Chemistry Research, 2018, 57(34), 11645-11657
- Zakir Hussain, Rakesh Kumar* "Esterification of free fatty acids: experiments, kinetic modelling, simulation & optimization" International Journal of Green Energy, 2018, 15(11), 629-640
- Krishna Raghav Chaturvedi, Rakesh Kumar, Japan Trivedi, James Sheng, , Tushar Sharma, "Stable Silica Nanofluids of an Oilfield Polymer for Enhanced CO₂ Absorption for Oilfield Applications" Energy & Fuels, 2018, 32(12), 12730-12741.
- Md. Belal Haider, Divyam Jha, M.S.Balathanigaimani, Rakesh Kumar* "Modelling and Simulation of CO₂ Removal from Shale Gas Using Deep Eutectic Solvents" Journal of Environmental Chemical Engineering, 2019, 7(1), 1027-1047.

- Divyam Jha, N.M. Mubarak, Md Belal Haider, Rakesh Kumar, M.S. Balathanigaimani, J.N. Sahu, "Adsorptive removal of dibenzothiophene from diesel fuel using microwave synthesized carbon nanomaterials" *Fuel*, 2019, 244, 132-139

Dr. Amit Ranjan, Associate Professor and Head, Chemical Engineering and Engineering Sciences

Publications:

- Polyacryloyl Hydrazide Incorporation into Ionic Hydrogels Improves Toughness, Elasticity, Self-Healability, Adhesive & Strain Sensing Properties. S. Mandal, N. Pandey, S. Singh, A. Ranjan, and U. Ojha. *Mater. Chem. Front.*, 2019,3, 690-701. (An RSC journal, Impact Factor pending).
- Influence of BiFeO₃ Nanoparticles on Properties of Clay Containing Water Based Muds. Shama Perween, Nitu Kumari Thakur, Mukarram Beg, Shivanjali Sharma, Amit Ranjan. *Colloids and Surfaces A* 561, 165 (2019). IF: 2.829
- PVA-PDMS-Stearic acid composite nanofibrous mats with improved mechanical behavior for selective filtering applications. Shama Perween, Ziyauddin Khan, Somendra Singh, Amit Ranjan. *Scientific Reports* 8, 16038 (2018). IF: 4.122
- Effect of zinc titanate nanoparticles on rheological and filtration properties of water based drilling fluids. Shama Perween, Mukarram Beg, Ravi Shankar, Shivanjali Sharma, Amit Ranjan. *Journal of Petroleum Science and Engineering* 170, 844 (2018). IF: 2.382

Publications/invited talks in conferences:

- PDMS incorporated PVA-PCM electrospun nanocomposite fibrous mats with improved mechanical behavior for membrane and heat storage applications..S. Perween and A. Ranjan, Oral presentation, ACS Meeting 19-23 Aug 2018, Boston, MA, USA
- Application of Silane Coated Silica Nanoparticle for Fluid Loss Reduction in Water Based Drilling Fluid, Mukarram Beg, Shama Perween, Abhishek Gautam, Amit Ranjan, Shivanjali Sharma, Third International Conference on Nanomaterials (ICN 2018), 11-13 May 2018, Mahatma Gandhi University, Kottayam, Kerala.

Dr. Venkata Subbaraayudu Sistla, Assistant Professor

Publications: Purohit, B. K., Sistla, V. S., Studies on solution crystallization of Na₂SO₄ · 10H₂O embedded in porous polyurethane foam for thermal energy storage application, *Thermochimica Acta*, 10 (2018), 09-18.

Dr. Umakant Dhar Dwivedi, Assistant Professor

Publications:

1. S Tewari, U D Dwivedi, "Ensemble-based big data analytics of lithofacies for automatic development of petroleum reservoirs," *Journal of Computers & Industrial Engineering*, Elsevier, 128, 937-947, 2018
2. S Tewari, U D Dwivedi, M Shiblee, "Assessment of Big Data Analytics Based Ensemble Estimator Module for the Real-Time Prediction of Reservoir Recovery Factor," *SPE Middle East Oil and Gas Show and Conference*, Manama, Bahrain, 18-21 March, 2019
3. S Tewari, U D Dwivedi, "A Real-World Investigation of TwinSVM for the Classification of Petroleum Drilling Data," *IEEE R10, Symposium*. IEEE Xplore Digital library, 2019
4. S Tewari, U D Dwivedi, "A Novel Automatic Detection and Diagnosis Module for Quantitative Lithofacies Modeling," *SPE-192747-MS*. Abu Dhabi International Petroleum Exhibition & Conference, 12-15 November 2018, Abu Dhabi, UAE.

Dr. Gunjan Kumar Agrahari, Assistant Professor

Publications:

Book Chapter

"Shale Gas: A Futuristic Non-conventional Energy Resource", in, A. Sharma et al. (eds.), Low Carbon Energy Supply, Green Energy and Technology,

https://doi.org/10.1007/978-981-10-7326-7_19

Publisher: Springer Nature Singapore Pte Ltd. 2018

Dr. Amit Saxena Visiting Faculty

Publications:

- Saxena, N, Saxena, A., Mandal, A, "Synthesis, Characterization and enhanced oil recovery potential analysis through simulation of a natural anionic surfactant", Journal of Molecular Liquids, Elsevier, 2019, 282, 545-556. (Impact Factor 4.5)

Book:

- Sharma S, Saxena, A., Saxena, N, Unconventional Resources in India: The Way Ahead, Springer, 2019, DOI: 10.1007/978-3-030-21414-2

Dr. A. Shukla, Associate Prof. & Head of Department, Dept. of Basic Sciences and Humanities

Publications:

Refereed Journals

1. Systematic nuclear reaction and nuclear structure studies for the nuclei relevant to the p-process, Awanish Bajpeyi, A. Shukla and A. J. Koning, Acta Physica Polonica B, 49, 27 (2018), <https://doi.org/10.5506/APhysPolB.49.27>
2. Melting and solidification behaviour of phase change materials with cyclic heating and cooling, Karunesh Kant, A. Shukla, A. Sharma and Pascal Henry Biwole, Journal of Energy Storage 15, 274 (2018). <https://doi.org/10.1016/j.est.2017.12.005>

Conference Proceedings

1. Nuclear Reaction Studies of Carbon isotopes in conjunction with RMF theory and Glauber Model. A. Shukla, Ajeet Singh, and Akhilesh Yadav, Presented at DAE International Symposium 2018 on Nuclear Physics at at BARC Mumbai, (published in Proceedings of DAE-BRNS Symposium on Nuclear Physics 2018).
2. Systematics of Exotic Superheavy Nuclei ($Z=116, 118, 120$ and 122) and their alpha decay half lives, Akhilesh Yadav and A. Shukla, Presented at DAE International Symposium 2018 on Nuclear Physics at at BARC Mumbai, (published in Proceedings of DAE-BRNS Symposium on Nuclear Physics 2018).
3. Nuclear Structure input dependence on the nuclear reaction rates relevant to astrophysical p-process, Awanish Bajpeyi, and A. Shukla, Presented at DAE International Symposium 2018 on Nuclear Physics at at BARC Mumbai, (published in Proceedings of DAE-BRNS Symposium on Nuclear Physics 2018).
4. The Role of Phase Change Materials in Building Applications, Abhishek Anand, Shailender Singh, A. Shukla, Atul Sharma, Presented at International Conference on "Energy Storage

Technologies and Systems" November 23-25, 2018 Organized by Centre of Excellence in Renewable and Sustainable Energy Studies, Suresh Gyan Vihar University, Jaipur.

5. Development of Phase Change Materials for Thermal Application, Shailender Singh, Abhishek Anand, A. Shukla, Atul Sharma, Presented at International Conference on "Energy Storage Technologies and Systems" November 23-25, 2018 Organized by Centre of Excellence in Renewable and Sustainable Energy Studies, Suresh Gyan Vihar University, Jaipur.
6. Application of Thermal Energy Storage for Solar Water Heating Systems, Shailendra Singh, Abhishek Anand, A. Shukla, Atul Sharma, Presented at International Symposium on Advances in Functional & Biological Materials, February 28, 2019 Organized by Humboldt Academy Lucknow & Physics Dept., University of Lucknow.
7. Application of Phase Change Materials in Biomedical Industry, Abhishek Anand, Shailender Singh, A. Shukla, Atul Sharma, Presented at International Symposium on Advances in Functional & Biological Materials, February 28, 2019 Organized by Humboldt Academy Lucknow & Physics Dept., University of Lucknow.

Book Chapters

1. BIPV (Building Integrated Photovoltaic) as power generator in energy efficient buildings, A. Shukla, Karunesh Kant, and Atul Sharma, In Sustainability through Energy Efficient Buildings (book published by CRC press/Taylor & Francis Publishing USA).
2. Advances in Simulation for developing energy efficient buildings, A. Shukla, Karunesh Kant, and Atul Sharma, In Sustainability through Energy Efficient Buildings (book published by CRC press/Taylor & Francis Publishing USA).
3. Phase change materials (PCM) for food preservation, Karunesh Kant, A. Shukla, and Atul Sharma, In Emerging, Thermal and Non-thermal Technology in Food Process Engineering (book published by Apple Academic Press, USA).
- 4 Prospects of Solar energy, Karunesh Kant, Atul Sharma and A. Shukla, In Low Carbon Energy Supply - Trends, Technology, Management (Book published by published by Springer-Verlag Publishers).
5. Renewable energy and the future of energy security and sustainability, Karunesh Kant, Atul Sharma and A. Shukla, In Low Carbon Energy Supply - Trends, Technology, Management (book published by published by Springer-Verlag Publishers).

Books Published

1. Sustainability through Energy Efficient Buildings, Edited Book, Ed. A. Shukla and A. Sharma, 2018, Published with CRC press/Taylor & Francis Publishing USA, ISBN 9781138066755.
2. Low Carbon Energy Supply - Trends, Technology, Management, Edited Book, Ed. A. Sharma, A. Shukla and Lu Aye, 2018, Published with Springer Nature Singapore Pte Ltd., Singapore, ISBN 9789811073250.

Invited Talks

1. Invited talk - "Application of Phase Change Materials for Thermal Energy Regulations of PV Panels" at International Symposium on Advances in Functional and Biological Materials organized by Humboldt Academy & University of Lucknow held on 28th February, 2019 at Lucknow.
2. Invited talk - Application of Phase Change Materials for thermal regulation of PV Panels and indoor comfort and chaired a session at International Conference on "Frontiers in materials from Basic Science to Real time Applications" held at CNMS, JAIN University, Bengaluru, India on 13th-16th March 2019.

Dr. M.S. Balathanigaimani, Associate Professor

Publications:

- i. K.J. Hwang, M.J. Hwang, M. S. Balathanigaimani, K. Nwe, Y.J. Youn, W.S. Choi, H.A. Kim, J.W. Nah, W.G. Shim, Adsorption characteristics of light gases on basalt rock-based zeolite 4A, *Adsorption*, 25 (2019) 833
- ii. W. S. Coi, K.J. Hwang, C. Choi, S.K. Hong, S.D. Yoon, M. S. Balathanigaimani, S. C.Kim, J. W. Nah, W.G. Shim, Adsorption of Nitrate and Phosphate on Basalt Based Nanostructured Zeolite 13X, *Journal of Nanoscience and Nanotechnology*, 19 (2019) 2329
- iii. Navroop Singh Goraya, Neetoo Rajpoot M. S. Balathanigaimani, Coal Bed Methane Enhancement Techniques: A Review, *Chemistry Select*, 4 (2019) 3585
- iv. Divyam Jha, N.M.Mubarak, Mohd Belal Haider, Rakesh Kumar, M. S. Balathanigaimani, J.N. Sahu Adsorptive removal of dibenzothiophene from diesel fuel using microwave synthesized carbon nanomaterials, *Fuel*, 244 (2019) 132
- v. Mohd Belal Haider, Divyam Jha, M. S. Balathanigaimani, Rakesh Kumar, Modelling and simulation of CO₂ removal from shale gas using deep eutectic solvents, *Journal of Environmental Chemical Engineering*, 7 (2019) 102747
- vi. Mohd Belal Haider, Divyam Jha, M.S. Balathanigaimani, Rakesh Kumar, Thermodynamic and Kinetic Studies of CO₂ Capture by Glycol and Amine-Based Deep Eutectic Solvents, *Journal of Chemical & Engineering Data*, 63 (2018) 2671
- vii. M. S. Balathanigaimani, Mohd Belal Haider, Divyam Jha, Rakesh Kumar, S. J. Lee, W.G. Shim, H.K. Shon, S. C. Kim and H. Moon, Nanostructured Biomass Based Carbon Materials from Beer Lees for Hydrogen Storage, *Journal of Nanoscience and Nanotechnology*, 18 (2018) 2196

Any other Information:

- i. Patent: Navroop Singh GORAYA and M. S. Balathanigaimani, Membrane-cryogenic Hybrid Arrangement and a Method of Carbon Capture thereof, (Application no. Temp/E-1/16249/2019-Del, Ref. No.- 201911015419), Indian Patent.
- ii. Project Proposal Reviewer: National Science Centre, Poland

Dr. Abhay Kumar Choubey, Associate Professor

Research paper communicated: 3

1. Kinetic and isothermal study of effect of transition metal doping on adsorptive property of zinc oxide nanoparticles synthesized via green route using Moringa oleifera leaf extract, Vartika Srivastava and Abhay Kumar Choubey, *Journal: Materials Research Express (IOP Science)*, July 15, 2019. Under review
2. Synthesis and characterization of crosslinked polyvinyl alcohol and polyvinyl pyrrolidone and their blend for water shut-off treatments, Reena, Abhinav Kumar, Vikas Mahto, Abhay Kumar Choubey, *Journal: Journal of Molecular Liquids (Elsevier)*, August 2019. Under review
3. Experimental investigation of the gelation behaviour of green route synthesized ZnO nanoparticles reinforced PVP/RF gels and their evaluation for water shut-off treatment, Reena, Vartika Srivastava, Abhay K Choubey, Vikash Mahto, *Journal of Petroleum Science and Engineering*, October 2019 (Elsevier). Under review

Research paper published: 3

1. Synthesis of nanostructured silver particles using Citrus limetta peel extract via green route for catalytic degradation of azo dyes through electron relay effect, Vartika Srivastava and Abhay

Kumar Choubey, Journal: Advances in Natural Sciences: Nanoscience and nanotechnology, Volume 10, Number 4, 2019. (IOP Science)

2. A Review on Advancements and Challenges of Catalytic and Non-Catalytic Waste Water Treatment Processes, Abhay Kumar Choubey, Yasha Shukla, Journal of Water Pollution & Purification Research, Vol. 6, No. 1 (2019).
3. Green synthesis of biogenic silver particles, process parameter optimization and application as photocatalyst in dye degradation, Vartika Srivastava and Abhay Kumar Choubey, Journal: SN Applied Sciences (Springer), Submitted on April 29, 2019. Accepted for publication

Research paper in international conference: 3

1. PVA Crosslinked Gel for Improving Sweep Efficiency and Water Shut-off Jobs in Hydrocarbon Bearing Reservoirs, Reena and Abhay Kumar Choubey, International Conference on Advances in Polymer Science & Technology, November 1-3, 2018, Kathmandu, Nepal.
2. Gelation Study of Polymer Gel for Water Control in Petroleum Reservoirs, Reena and Abhay Kumar Choubey, International Conference on Frontiers at the Chemistry-Applied Sciences (FCASI 2018), December 21- 22, 2018, Jaipur, Rajasthan.
3. Extraction, Characterization and Biological Studies of Phytochemicals present in Catharanthus roseus, Vartika Srivastava and A. K. Choubey in an International Conference on Advances in Analytical Sciences (ICAAS), 15-17, March 2018, Dehradun.

Book chapter: 2

1. Herbal Materials as Thermal Energy Storage Materials, Abhay Kumar Choubey and Vartika Srivastava, Latent Heat-Based Thermal Energy Storage Systems, Materials, Applications and the Energy Market, Apple Academic Press, USA, 2019 (ISBN: 9781771888585).
2. Gelled polymer systems in improving sweep efficiency and controlling water for hydrocarbons reservoirs: A review, Reena and Abhay Kumar Choubey, LAP Lambert Acad. Publishing, Germany, July 8, 2019. Published

Book reviewed: 1

Ph.D. Thesis evaluated: 1

International fellowship reviewed: Twice

Petroleum product testing course taught in training program for IOCL officers: Five times

Courses taught in UG & PG programs: 4

Dr. Anirban Mukherjee, Assistant Professor

Publications

1. Gupta Satish & Mukherjee, Anirban. Senicide in India: A Sociological Study. The Indian Journal of Gerontology Vol. XXVI No. III and IV 2019 17-26
2. Mukherjee, Anirban. Evaluating the Implication of RTE Act on Tribal Education in India Shanlax (An UGC Approved International Peer-Reviewed Journal of Arts, Science, and Humanities) Vol. 5 (7) 38-42 (c) Refereed Conference Research Papers (Published ones during the report period) Information to be given in the order as below:
 1. Anirban Mukherjee Tribal Community Involvement in Sarva Shiksha Abhiyan: A Case Study Social Inclusion and Empowerment Through Education, Allahabad, 2019, 149-156

Dr. Shivanjali Sharma, Assistant Professor

Publications

- Beg, M., Sharma, S., & Ojha, U. (2018). Effect of cationic copolyelectrolyte additives on drilling fluids for shales. *Journal of Petroleum Science and Engineering*, 161, 506–514.
- Perween, S., Beg, M., Shankar, R., Sharma, S., & Ranjan, A. (2018). Effect of zinc titanate nanoparticles on rheological and filtration properties of water based drilling fluids. *Journal of Petroleum Science and Engineering*, 170, 844–857.
- Perween, S., Thakur, N. K., Beg, M., Sharma, S., & Ranjan, A. (2018). Enhancing the properties of Water based Drilling Fluid using Bismuth Ferrite Nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 561(October 2018), 165–177.
- Beg, M., Singh, P., Sharma, S., & Ojha, U. (2018). Shale inhibition by low-molecular-weight cationic polymer in water-based mud. *Journal of Petroleum Exploration and Production Technology*, 1-13. <https://doi.org/10.1007/s13202-018-0592-7>
- Sharma, Shivanjali. Mahto, Vikas. and Sharma, V. P." Study of Wax Inhibition in the Indian Waxy Crude Oil by Polarizing Microscope and its Effect on Rheology", *Journal of the geological society of India*, (Accepted for publication)

अध्याय 8

आरजीआईपीटी में नई स्थापना

शैक्षणिक खण्ड और छात्रावास

छात्रावास खण्ड, कक्षाओं और विवेकानंद सभागार के लिए फर्नीचर की खरीद

अक्टूबर 2016 से आरजीआईपीटी जायस परिसर शुरू होने से पहले, आरजीआईपीटी रायबरेली में अपने अस्थायी परिसर से संचालित हो रहा था। रायबरेली परिसर में फर्नीचर आवश्यकता के आधार पर चरणबद्ध तरीके से खरीदा गया था, इसलिए जायस परिसर में स्थानांतरण के बाद उक्त फर्नीचर कार्यात्मक उपयोग की दृष्टि से उपयुक्त नहीं था। इसके अलावा प्रवेश की बढ़ती संख्या और नए लेआउट के साथ, नए फर्नीचर की आवश्यकता उत्पन्न हुई। चूँकि, एक ही बार में, पूरे फर्नीचर को खरीदना आसान नहीं था, इसलिए छात्रावास खण्ड के 542 कमरों और 16 कक्षाओं के लिए चरणबद्ध तरीके से और पूर्व की भांति फर्नीचर खरीदने का निर्णय लिया गया और विवेकानंद सभागार के लिए 430 कुर्सियाँ खरीदी गईं। उल्लिखित स्थानों पर उक्त फर्नीचर की स्थापना के बाद, आरजीआईपीटी अपनी अधिकतम सीमा तक उक्त क्षेत्र का उपयोग करने में सक्षम था।



वाणिज्यिक परिसर में डाकघर

आरजीआईपीटी जायस परिसर 7 अक्टूबर 2016 को सेल्फ-सस्टेनेबल मॉडल पर अस्तित्व में आया और इसलिए, अन्य बुनियादी ढाँचे के साथ-साथ कमर्शियल कॉम्प्लेक्स भी बनाया गया। इसके अलावा, आवासीय परिसर के निवासियों की जरूरत और सुविधाओं

को स्थापित करने के लिए एक दुकान को डाकघर में परिवर्तित कर दिया गया है, जिसमें संस्थान द्वारा बुनियादी ढांचा विकसित किया गया है। डाकघर के लिए कवर किया गया कुल क्षेत्रफल 416 वर्ग फुट है।

केंद्रीय पुस्तकालय

आरजीआईपीटी, केंद्रीय पुस्तकालय स्वचालीकरण INFLIBNET (UGC) के एकीकृत पुस्तकालय प्रबन्धन साफ्टवेयर का SOUL 2.0 का प्रयोग कर रहा है। केंद्रीय पुस्तकालय अब वर्ल्ड वाइड वेब (www) पर URL: <http://192.168.3.11/webopac/> या संस्थान की वेबसाइट www.rgipt.ac.in का उपयोग करके सुलभ है। अब इस URL या वेबसाइट का उपयोग करते हुए कोई भी डाटा तत्वों जैसे लेखक, शीर्षक, विषय, कीवर्ड, प्रकाशक, कक्षा संख्या या प्रकाशनों का वर्ष, आदि दर्ज करते हुए ग्रंथ सूची का उपयोग कर सकता है।



आरजीआईपीटी का केंद्रीय पुस्तकालय वर्तमान में आरजीआईपीटी के आरजी प्लाजा में क्रियान्वित है। इसका भवन केंद्रीय रूप से वातानुकूलित है, जो अपने पाठकों के लिए आवश्यक सभी सुविधाओं और सेवाओं से सुसज्जित है। इसमें पढ़ने के लिए अच्छा वातावरण और पुस्तकों और अन्य पठन सामग्री रखने के लिए पर्याप्त जगह है।

केंद्रीय पुस्तकालय की सदस्यता

11 छपी हुई पत्रिकाएँ

1. भारतीय भूवैज्ञानिक सोसायटी 2. विज्ञान 3. हाइड्रोकार्बन प्रसंस्करण, 4. भारतीय विज्ञान संस्थान की पत्रिकाएँ, 5. ऑयल एंड गैस जर्नल्स, 6. ऑल एशिया जर्नल्स, 7. केमिकल इंजीनियरिंग, 8. अर्थ सिस्टम साइंस, 9. अनुनाद, 10. अमेरिकी वैज्ञानिक 11. वर्तमान विज्ञान।

8 पत्रिका

1. टाइम मैगज़ीन 2. डिजिट 3. डाउन टू अर्थ 4. पीसी क्वेस्ट 5. एजुकेशन वर्ल्ड 6. पेरेंट्स वर्ल्ड 7. समाजशास्त्रीय बुलेटिन 8. अर्थशास्त्र और राजनीतिक साप्ताहिक।

10 पूर्ण-पाठ ऑनलाइन पत्रिकाएँ

1. अमेरिकन केमिकल सोसाइटी 2. सोसाइटी ऑफ़ एक्सप्लोरेशन जियोफिजिक्स 3. जर्नल्स ऑफ़ प्लूइड मैकेनिक्स 4. भूवैज्ञानिक पत्रिका 5. सीएएस विज्ञान-खोजक 6. S.E.P.M. 7. एमरैल्ड मैनेजमेण्ट 8. EBSCO 9. वन पेट्रो 10. AAPG

5. समाचार पत्र

1. टाइम्स ऑफ़ इंडिया 2. द हिंदुस्तान 3. बिजनेस स्टैंडर्ड 4. दैनिक जागरण 5. हिंदुस्तान

स्वामी विवेकानंद जी की ब्रॉन्ज़ पेंट से सुसज्जित रेज़िन फाइबर प्रतिमा की स्थापना

आरजीआईपीटी, एक शैक्षणिक संस्थान होने के नाते हमेशा छात्रों के लिए प्रेरक व्याख्यान श्रृंखला आयोजित करता है। व्याख्यान उन्हें जीवन जीने के तरीके के बारे में उनके आत्मविश्वास और समझ-बूझ को बढ़ाने में मदद करता है। इसके अलावा यह उन्हें उचित योजना और दृढ़ संकल्प के साथ अपने अकादमिक के साथ-साथ व्यवसाय संबंधी लक्ष्यों पर ध्यान केंद्रित करने में मदद करेगा। उसी पंक्ति में और विवेकानंद व्याख्यान कक्ष के महत्व को प्रकाश में लाने के लिए, उसी के निकट स्वामी विवेकानंद जी की मूर्ति स्थापित करने का निर्णय लिया गया। तदनुसार, स्वामी विवेकानंद की प्रतिमा दिसंबर 2018 को स्थापित की गई थी। उक्त 21 फीट की प्रतिमा रेज़िन फाइबर, धातु संरचना से बनी है और इसमें कांस्य सज्जित पेंट है।

आगंतुक छात्रावास

आगंतुक छात्रावास, आवासीय क्षेत्र के प्रवेश द्वार पर एक भव्य दो मंजिला इमारत में स्थित है। आगंतुक छात्रावास संस्थान के अतिथियों, नव नियुक्त संकाय और स्टाफ सदस्यों, प्रतिनिधियों और विभिन्न सम्मेलनों, सेमिनारों, संगोष्ठियों और कार्यशालाओं में भाग लेने वाले प्रतिभागियों के लिए भोजन और आवास की सुविधा प्रदान करता है।

आगंतुक छात्रावास एक गैर-लाभकारी गतिविधि के रूप में संचालित किया जाता है, जो मुख्य रूप से एक घरेलू परिवेश के साथ परिसर में शैक्षणिक और अनुसंधान गतिविधि का समर्थन करता है, यहाँ का माहौल पारंपरिक रूप से स्वच्छता और घर जैसे स्वादिष्ट और पौष्टिक भोजन के लिए प्रशंसनीय है।

आगंतुक छात्रावास का प्रबंधन करने वाली टीम द्वारा की जाने वाली विभिन्न गतिविधियाँ निम्नलिखित हैं-

1. आवास

क) आगंतुक छात्रावास के कमरे पूरी तरह से सुसज्जित है, जिनका विवरण निम्नानुसार है-

डबल बेड के साथ 17 सिंगल एसी कमरे

डबल बेड के साथ 06 डबल एसी कमरे

स्टाफ के लिए 02 कमरे

भंडारण सुविधाओं के लिए 01 कमरा

सभी कमरों में आधुनिक सुविधाओं से सुसज्जित बाथरूम हैं।

ख) सभी कमरों में केबल और वाई-फाई कनेक्शन हैं

2. **भोजन सुविधा:** आगंतुक छात्रावास के मेहमानों और संस्थान की महत्वपूर्ण गतिविधियों के लिए भोजन की सुविधा प्रदान करता है। आगंतुक छात्रावास में 30 व्यक्तियों की क्षमता वाला 01 वातानुकूलित भोजन कक्ष है।

3. **कॉन्फ्रेंसिंग सुविधाएं:** हमारे पास 15 व्यक्तियों की क्षमता के लिए एक सम्मेलन कक्ष है।

4. अतिरिक्त सुविधाएं:

क) केंद्रीकृत बुकिंग प्रणाली

ख) सभी कमरों में इंटरनेट कनेक्शन है.

- ग) सभी कमरों में रंगीन टेलीविजन सेट के साथ केबल कनेक्शन हैं
- घ) कुछ कमरों में एक छोटा रेफ्रिजरेटर है.
- ड.) ई-मेल के माध्यम से बुकिंग की पुष्टि की सूचना की सुविधा।

सुविधाओं, सेवाओं में वृद्धि और अधिक व्यावसायिक दृष्टिकोण के कारण रोजमर्रा के कामकाज में अधिक पारदर्शिता आई है और उपयोग दर में वृद्धि हुई है। इस प्रकार सिस्टम परिचालन व्यय के संदर्भ में अधिक वित्तीय दृश्यता प्राप्त कर रहा है।

एनएमआर लैब

निर्माण के दिशानिर्देशों के अनुसार और चुंबकीय विकिरणों के विकिरण से अन्य क्षेत्र की रक्षा के लिए, एल्यूमीनियम विभाजन की मदद से एक अलग क्षेत्र विकसित किया गया था। उक्त विकिरणों के रिसाव से बचने और अनुसंधान छात्रों की सुरक्षा को देखते हुए अन्य प्रयोगशालाओं में विभाजन को छत तक ले जाया गया। एनएमआर लैब के लिए विकसित कुल क्षेत्र 40 वर्ग फीट है।

छात्रावास मेस क्षेत्र के लिए गैस पाइपलाइन कार्य का निष्पादन

हमारे छात्रावास को 5 ब्लॉक्स ए, बी, सी, डी और ई में विभाजित किया गया है। ए ब्लॉक के भूतल में छात्र भोजनालय की सुविधा है, जिसे आगे भोजन क्षेत्र और खाना पकाने के क्षेत्र में विभाजित किया गया है। जैसे कि खाना पकाने के क्षेत्र में समर्पित गैस बैंक और पाइप गैस की आपूर्ति का प्रावधान नहीं है। उक्त कारण और छात्रावास के निवासियों की सुरक्षा को ध्यान में रखते हुए, उक्त क्षेत्र में नवंबर 2018 को गैस बैंक और पाइप गैस की आपूर्ति स्थापित की गई। उक्त सुविधा की स्थापना से खाना पकाने के बिंदुओं के कई स्थान और उक्त क्षेत्र के उचित रखरखाव को बनाए रखने में भोजनालय के ठेकेदार को मदद मिली है।

बिजली के कार्य

135 किलो वॉट सौर ऊर्जा पैनल

नवीकरणीय ऊर्जा सेवा कंपनी (RESCO) मॉडल के तहत, सौर छत पैनल आरजीआईपीटी जायस परिसर में एमएनआरई (नवीन और नवीकरणीय ऊर्जा मंत्रालय) के दिशानिर्देशानुरूप स्थापित किए गए थे। अक्टूबर 2018 में उक्त योजना के तहत 1 मीटर X 2 मीटर आकार के 418 पैनल आरजीआईपीटी जायस परिसर की इमारतों पर स्थापित किये गये, जिसके परिणामस्वरूप 135 किलोवाट डीसी बिजली का उत्पादन होता है, जिसे फिर से पावर कंडीशनिंग इकाइयों की मदद से एसी पावर में परिवर्तित किया जाता है। पूरा का पूरा सिस्टम उत्तर प्रदेश पावर कॉर्पोरेशन लिमिटेड (UPPCL) की ग्रिड और इकाइयों से जुड़ा है और उनसे आयात/ निर्यात इकाइयों की निगरानी नेट मीटर के माध्यम से की जाती है।



135 किलोवाट का बिल्डिंग वार ब्रेकअप इस प्रकार है:

तालिका 2: विभिन्न भवनों में स्थापित इन्वर्टर पर क्षमता

क्र.सं.	भवन का नाम	इन्वर्टर की क्षमता
1	बॉयज हॉस्टल	50 किलोवाट
2	शैक्षणिक ब्लॉक	30 किलोवाट
3	अकादमिक ब्लॉक	40 किलोवाट
4	वाणिज्यिक परिसर	5 किलोवाट
5	हेल्थकेयर सेंटर	10 किलोवाट

यूपीएस

आरजीआईपीटी जायस परिसर 7 अक्टूबर 2016 को अस्तित्व में आया और तब से या तो UPPCL आपूर्ति मोड पर या डीजल जनरेटर आपूर्ति मोड परिचालन कर रहा था। कंप्यूटर सिस्टम और नेटवर्क कार्ड की विफलता से बचने के लिए और आगे निर्बाधित आपूर्ति प्रदान करने के लिए संबंधित शैक्षणिक और प्रशासनिक भवनों में दिसंबर 2018 में विभिन्न क्षमताओं के यूपीएस निम्नवत् स्थापित किए गए थे-

तालिका 3: आरजीआईपीटी में विभिन्न भवनों में स्थापित यूपीएस की विभिन्न रेटिंग

क्र.सं.	यूपीएस क्षमता / रेटिंग					
	स्थान	यूपीएस 3 किलोवाट	यूपीएस 5 किलोवाट	यूपीएस 20 किलोवाट	यूपीएस 40 किलोवाट	यूपीएस 60 किलोवाट
1	छात्रावास	—	5	—	—	—
2	प्रशासनिक खण्ड- 1	—	—	—	—	3
3	प्रशासनिक खण्ड- 2	—	—	—	1	—
4	सभागार	—	—	1	—	—
5	शैक्षणिक खण्ड- 1	—	—	—	—	1
6	शैक्षणिक खण्ड- 2	—	—	—	—	1
7	अतिथि छात्रावास	1	—	—	—	—
8	आवासीय खण्ड	—	4	—	—	—
कुल योग		1	9	1	1	5

आधारभूत संरचना

तालिका 4: वित्तीय वर्ष 2018-19 के दौरान संस्थान कार्य विभाग (IWD) की प्रमुख उपलब्धियों की सूची

क्र.सं.	कार्य	दिनांक
निर्माण कार्य		
1	एनएमआर लैब का बुनियादी ढांचा	मई 2018
2	छात्रावास मेस क्षेत्र के लिए गैस पाइपलाइन कार्य का निष्पादन।	नवम्बर 2018
3	छात्रावास खण्ड, शैक्षणिक कक्ष और विवेकानंद सभागार के लिए फर्नीचर की खरीद	दिसम्बर 2018
4	स्वामी विवेकानंद की धातु संरचना के साथ फाइबर निर्मित कांस्य रंग की मूर्ति की स्थापना	दिसम्बर 2018
5	वाणिज्यिक परिसर में पोस्ट ऑफिस की स्थापना।	जनवरी 2019
विद्युत कार्य		
1	135 Kwp सोलर रूफटॉप पैनल की स्थापना।	दिसम्बर 2018
2	एबी-1, एबी-2, आरजी प्लाजा एवं सभागार में यूपीएस की स्थापना।	दिसम्बर 2018

अध्याय 9

आरजीआईपीटी में छात्र जीवन

असम केंद्र

आरजीआईपीटी असम केंद्र के छात्रों ने संस्थान के प्रथम तकनीकी-सांस्कृतिक उत्सव “XIWORONG” का आयोजन 22-24 मार्च 2019 को किया।

आरजीआईपीटी, जायस

प्रतिध्वनि, 2018

सांस्कृतिक समिति द्वारा प्रथम वर्ष के छात्रों के लिए एक कार्यक्रम फ्रेशर्स डे आयोजित किया गया था। इस आयोजन के लिए निदेशक, आरजीआईपीटी को मुख्य अतिथि के रूप में आमंत्रित किया गया था। इस कार्यक्रम में दूसरे और पहले वर्ष के दोनों छात्रों के प्रदर्शन शामिल थे। प्रदर्शन कला जैसे नाटक, संगीत, नृत्य, आदि इस इवेंट के प्रमुख आकर्षण थे। टैलेंट शो और ट्रेजर-हंट जैसे मजेदार कार्यक्रम भी आयोजित किए गए। प्रतिध्वनि का समापन स्टार नाइट और ईडीएम नाइट के साथ प्रोफेशनल बैंड और ईडीएम कलाकार के प्रदर्शन के द्वारा हुआ।

गणतंत्र दिवस, 2019

26 जनवरी 2019 को सांस्कृतिक समिति द्वारा गणतंत्र दिवस कार्यक्रम का आयोजन किया गया था, जिसमें दूसरे और पहले वर्ष के छात्रों ने नृत्य, नाटक, संगीत जैसे विभिन्न कार्यक्रमों में भाग लिया। साथ ही कक्षा 5 वीं के छात्रों के लिए एक फैशन शो “इंडिया हीरोज” थीम के साथ आयोजित किया गया था।

यह कार्यक्रम निदेशक आरजीआईपीटी द्वारा धन्यवाद ज्ञापन और राष्ट्रगान के साथ समाप्त हुआ। विभिन्न कार्यक्रम के लिए थीम थे-

1. नाटक- स्वतंत्रता के लिए संघर्ष
2. संगीत- देशभक्ति गीत
3. नृत्य- भावात्मक और नाटकीय

1. मिनी मैराथन (31 अक्टूबर 2018): सरदार बल्लभ भाई पटेल की जयंती मनाने के लिए कार्यक्रम “रन फॉर यूनिटी” का आयोजन किया गया था। आरजीआईपीटी के छात्रों, स्टाफ के सदस्यों और उनके बच्चों और संकाय सहित 180 से अधिक प्रतिभागी थे। पुरुषों में शीर्ष 5 विजेताओं और महिलाओं में शीर्ष 2 विजेताओं को पुरस्कार और प्रमाण पत्र दिए गए।
2. एनर्जिया 2019 (8 मार्च-10 मार्च 2019): संस्थान का वार्षिक खेल उत्सव आयोजित किया गया था। यहां आयोजन का विवरण दिया गया है:

प्रतिभागियों की संख्या: 350 (लड़कियां: 80 और लड़के: 270)

प्रतिभागी संस्थानों की संख्या: 11



प्रतिभागी संस्थान का नाम:

- राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान, जायस
- एमिटी यूनिवर्सिटी, लखनऊ
- लखनऊ विश्वविद्यालय, लखनऊ
- गवर्नमेंट पॉलिटेक्निक, लखनऊ
- इसाबेला थोबर्न कॉलेज, लखनऊ
- सिटी एकेडमी लॉ कॉलेज, लखनऊ

- दिल्ली विश्वविद्यालय, दिल्ली
- राष्ट्रीय फैशन प्रौद्योगिकी संस्थान, रायबरेली
- फिरोज गांधी इंजीनियरिंग और प्रौद्योगिकी संस्थान, रायबरेली
- फिरोज गांधी व्यावसायिक अध्ययन संस्थान, रायबरेली
- रणवीर रणजय पोस्ट ग्रेजुएट कॉलेज (RRPG अमेठी), अमेठी

खेल आयोजनों के प्रकार:

- बास्केटबॉल (एम एंड डब्ल्यू)
- वॉलीबॉल (एम एंड डब्ल्यू)
- बैडमिंटन (एम एंड डब्ल्यू)

- लॉन टेनिस
- टेबल टेनिस (एम एंड डब्ल्यू)
- कबड्डी, खो-खो और शतरंज।

सूचना खेल आयोजन (इनफार्मेशन स्पोर्ट्स इवेंट) के प्रकार:

- फुटसल
- बॉक्स क्रिकेट
- PUBG

आरजीआईपीटी की उपलब्धि:

तालिका 7: आरजीआईपीटी के छात्रों द्वारा प्राप्त किये गए विभिन्न स्थान/ अवार्ड्स

क्रम सं.	स्पोर्ट्स इवेंट्स श्रेणी	स्थान
1	वॉलीबॉल (महिला)	रनर अप
2	बैडमिंटन (महिला)	रनर अप
3	लॉन टेनिस (पुरुष)	विजेता
4	टेबल टेनिस (महिला)	रनर अप
5	कबड्डी (पुरुष)	रनर अप
6	शतरंज (पुरुष)	विजेता
7	टेबल टेनिस (पुरुष)	रनर अप
8	खो-खो (पुरुष)	रनर अप

सभी सूचना खेल आयोजन में आरजीआईपीटी विजेता था।

एनर्जिआ 2019 का ओवरऑल विजेता: आरजीआईपीटी

उपरोक्त के अलावा आरजीआईपीटी ने 1 अप्रैल 2018 से 31 मार्च 2019 के दौरान इंटरम्यूरल स्पोर्ट्स इवेंट भी आयोजित किए। कॉलेज के भीतर प्रतियोगिताओं का आयोजन पूरे वर्ष किया गया। इसकी शुरुआत खेल और अतिरिक्त गतिविधियों में शामिल नए छात्रों के लिए टूर्नामेंट्स से हुई। बाद में, बैडमिंटन, शतरंज, कैरम, बास्केटबॉल, वॉलीबॉल, लॉन टेनिस, टेबल टेनिस और फुटबॉल में कई प्रतियोगिताओं का आयोजन विभिन्न टीमों के बीच किया गया, जिसमें सभी वर्ष के छात्र थे।

क्रिकेट क्लब ने कॉलेज में टूर्नामेंट का आयोजन भी किया। उनमें से कुछ हैं:

1. पेट्रोलियम फाटा लीग (PFL) में बोली के द्वारा चार की टीमों का गठन किया गया। लीग कॉलेज के छात्रों और प्राध्यापकों का ध्यान प्राप्त करने में अत्यधिक रूप से सफल रही।
2. इंटर टूर्नामेंट में कॉलेज के विभिन्न वर्षों की टीमों और शाखाएं शामिल हैं।

अन्य कॉलेजों में उपलब्धियां और भागीदारी

आरजीआईपीटी की खेल टीम ने विभिन्न संस्थानों जैसे FGIET, FDDI और IIT BHU के खेल उत्सवों में भाग लिया। उपलब्धियां इस प्रकार हैं:

1. FDDI स्पोर्ट्स टूर्नामेंट में पुरुष वॉलीबॉल के विजेता।
2. आरजीआईपीटी की बैडमिंटन टीम FDDI स्पोर्ट्स टूर्नामेंट में महिला एकल एवम् युगल और पुरुष युगल वर्ग में विजेता रहीं। पुरुष एकल टीम रनर-अप के रूप में उभरी।
3. FDDI स्पोर्ट्स टूर्नामेंट में आरजीआईपीटी शतरंज टीम ने प्रथम रनर-अप और दूसरे रनर-अप की ट्राफियां जीतीं।
4. IIT BHU में आरजीआईपीटी शतरंज टीम शीर्ष 6 में पहुँची और अन्य खेलों में शानदार प्रदर्शन किया।

लड़कियों के लिए जिम सुविधाएं

आरजीआईपीटी स्पोर्ट्स काउंसिल ने हमेशा खेल गतिविधि में महिलाओं की उत्साहपूर्ण भागीदारी की प्रशंसा की है और उन्हें महत्व दिया है। संस्थान ने छात्राओं लिए परिसर को तनाव मुक्त बनाने में हर संभव सहयोग दिया है। काउंसिल ने महिलाओं के लिए एक अलग जिम सुविधा विकसित की है।

राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान

अध्याय 10

असम केंद्र

क. आरजीआईपीटी असम केंद्र स्थापित करने का उद्देश्य

संशोधित डीपीआर (2017) के अनुसार, असम केंद्र की स्थापना का उद्देश्य पेट्रोलियम, पेट्रोकेमिकल के क्षेत्र में तथा विभिन्न क्षेत्रों में प्रमाण पत्र, डिप्लोमा और पोस्ट डिप्लोमा स्तर पर कुशल तकनीकी जनशक्ति के शिक्षा और प्रशिक्षण के कार्यक्रमों की पेशकश है। उत्तर-पूर्व क्षेत्र के लिए स्किल डेवलपमेंट सेंटर के रूप में सेवा करने और फायर सेफ्टी इंजीनियरिंग में बी.टेक की पेशकश करना और तेल एवं गैस, पेट्रोकेमिकल और संबद्ध कंपनियों के कामकाजी पेशेवरों के लिए प्रशिक्षण और प्रमाणपत्र कार्यक्रम (रिफ्रेशर और इंडक्शन)।

असम केंद्र, आर्ट टेक्नोलॉजी की स्थिति में वंचित, बेरोजगार, अकुशल, अर्ध-कुशल लोगों के प्रशिक्षण की आवश्यकता को पूरा करेगा और उन्हें कौशल पूर्ण और रोजगार परक बनाएगा ताकि प्रधानमंत्री के लक्ष्य के तहत देश में कौशल केंद्र को बढ़ावा देने के लिए, वे काम करने या अपने स्वयं के उद्यम शुरू करने में सक्षम हों बहुत अच्छे परिणाम और सफलता की कहानियों के साथ।

ख. परियोजना का इतिहास

- (क) असम राज्य सरकार द्वारा आरजीआईपीटी को आबंटित कुल भूमि 100 एकड़ है। पहले चरण में, 25.57 करोड़ रुपये की लागत से 35 एकड़ भूमि क्षेत्र पर पृथ्वी भरने/साइट ग्रेडिंग और पाइलिंग किया गया है। इस निधि को 37.80 रुपये के कुल पूंजी कोष से असम स्थित तेल PSUs के योगदान से लिया गया है।
- (ख) असम केंद्र की प्रारंभिक परियोजना लागत (2009) ₹ 325 करोड़ थी (जिसमें निर्माण के लिए 143 करोड़ रुपये की पूंजी निधि और राजस्व खर्चों को पूरा करने के लिए 182 करोड़ रुपये शामिल थे)। प्रस्ताव में कहा गया है कि कैपिटल फंड 65:35 के अनुपात में OIDB और तेल सार्वजनिक उपक्रमों द्वारा साझा किया जाएगा। साइट से संबंधित मुद्दों के कारण निर्माण कार्य के विलंबित होने की स्थिति में, निर्माण लागत को संशोधित करते हुए ₹ 143 करोड़ से ₹ 235 करोड़ कर दिया गया। MoPNG द्वारा OIDB से ₹ 92 करोड़ के अतिरिक्त व्यय को पूरा करने के लिए प्रतिबद्धता और 65:35 के समान अनुपात में तेल PSU का योगदान प्राप्त किया गया था। हालांकि, फंड के इस सोर्सिंग का मामला आगे नहीं उठाया गया था।
- (ग) इस बीच, आरजीआईपीटी को MoPNG द्वारा सरकार के बजटीय समर्थन से निर्माण के लिए संशोधित पूंजी निधि को प्राप्त करने के लिए एक संशोधित परियोजना का अनुमान तैयार करने की सलाह दी गई थी। आरजीआईपीटी बोर्ड द्वारा अनुमोदित संशोधित डीपीआर (2017) के अनुसार, परियोजना लागत रु. 880.10 करोड़ तक संशोधित है (जिसमें रु. 396.32 करोड़ का पूंजीगत व्यय रु. 4,83.78 करोड़ का स्थायी फंड शामिल है)।

डीपीआर के साथ संशोधित ईएफसी नोट 17 नवंबर 2017 को MoPNG को प्रस्तुत किया गया है।

- (घ) 31.3.2018 को तेल PSUs से आरजीआईपीटी द्वारा प्राप्त असम केंद्र का कुल स्थाई फंड रु. 233.17 करोड़ (जिसमें अर्जित 8.84 करोड़ का अतिरिक्त ब्याज शामिल है)। कुल पूंजी फंड प्राप्ति ऑयल PSUs से रु 37.80 करोड़ है (जिसमें से रु. 27.59 करोड़ निर्माण के लिए खर्च किये गए और शेष राशि लगभग रु. 10.21 करोड़ है)।

शैक्षणिक गतिविधियों की स्थिति

- (क) आरजीआईपीटी असम केंद्र शिवसागर जिले में पेट्रोलियम, पेट्रोकेमिकल के विभिन्न क्षेत्रों और संबद्ध सेक्टर में प्रमाण पत्र, डिप्लोमा और पोस्ट डिप्लोमा स्तर पर कुशल तकनीकी जनशक्ति के शिक्षा और प्रशिक्षण के कार्यक्रम ऑफर करने के लिए शुरू किया गया था, ताकि पूर्वोत्तर क्षेत्र के लिए एक स्किल डेवलपमेंट सेंटर के रूप में काम कर सके।
- (ख) MoPNG की सहमति के आधार पर, आरजीआईपीटी असम केंद्र, शिवसागर में शैक्षणिक सत्र 18 सितंबर 2017 से पेट्रोलियम इंजीनियरिंग, केमिकल इंजीनियरिंग और पाइपिंग इंजीनियरिंग के 3 डिप्लोमा पाठ्यक्रमों में प्रत्येक विषय में 30 छात्रों के साथ शिवसागर कॉमर्स कॉलेज के परिसर से शुरू हुआ और बाद में एक वर्ष के पश्चात कक्षाओं को आरजीआईपीटी की अपनी भूमि में निर्मित अस्थाई परिसर में स्थानांतरित कर दिया गया। तकनीकी शिक्षा निदेशालय (डीटीई), असम सरकार द्वारा आयोजित पॉलिटेक्निक प्रवेश परीक्षा (पीएटी) के माध्यम से प्रवेश किया जाता है। पहले तीन बैचों में कुल 264 छात्र हैं। पीएटी के माध्यम से चयनित सभी छात्र दसवीं कक्षा पास हैं।
- (ग) आरजीआईपीटी असम केंद्र ने अनुबंध के आधार पर 12 संकाय सदस्यों की नियुक्ति की है (संकाय विवरण एक अलग एक्सेल शीट-अनुलग्नक -1 में संलग्न किये गये हैं)।
- (घ) डिप्लोमा छात्रों का पहला बैच जून - 2020 में पास होगा।
- (ड.) आरजीआईपीटी असम केंद्र में संस्थान को सुचारू रूप से चलाने के लिए निम्नलिखित समितियाँ हैं।
- (क) प्रशिक्षण और नियुक्ति समिति
 - (ख) परीक्षा समिति
 - (ग) छात्र शिकायत निवारण समिति
 - (घ) खेल और सांस्कृतिक समिति
 - (ङ) महिला सेल
 - (च) एंटी रैगिंग समिति
 - (छ) निविदा तैयारी और मूल्यांकन समिति और निविदा उद्घाटन समिति
 - (ज) खरीद समिति
 - (झ) पुस्तकालय सलाहकार समिति
- (च) अंग्रेजी/कम्युनिकेशन स्किल सिखाने के लिए, बेसिक इलेक्ट्रिकल/इलेक्ट्रॉनिक्स इंजीनियरिंग और फंडामेंटल्स ऑफ कंप्यूटर इंजीनियरिंग विषयों के अतिथि प्राध्यापकों को प्रति कक्षा पर आधारित भुगतान प्रणाली पर नियुक्त किया जा रहा है।
- (छ) समीपस्थ तेल और गैस सार्वजनिक उपक्रमों और निजी ई. एंड पी. कंपनियों से भी उद्योग विशेषज्ञों को कभी-कभी छात्रों के साथ बातचीत करने के लिए आमंत्रित किया जाता है।

कार्यालयों/कक्षाओं/प्रयोगशाला गतिविधियों, परिवहन और किराए का भुगतान इन पहलुओं पर किया जा रहा है:

- (क) डिप्लोमा पाठ्यक्रम शुरू करने के लिए बुनियादी ढांचागत सुविधाएं प्रदान करने के लिए शिवसागर में अपनी जमीन पर एक अस्थायी परिसर स्थापित करने के लिए MoPNG से स्वीकृति ली गई थी। आरजीआईपीटी को स्थाई फंड (Ref- MoPNG के पत्र क्रमांक J-25021/5/2014-Gen Dated 14.02.2017) पर अतिरिक्त ब्याज से बाहर रु. 15.00 करोड़ का पूंजीगत व्यय करने की अनुमति दी गई थी।
- (ख) CPWD, असम द्वारा आरजीआईपीटी की जमीन पर एक शैक्षणिक परिसर का निर्माण किया गया है जिसमें प्रत्येक कमरे में 30 छात्रों के बैठने की क्षमता वाली 6 कक्षाएँ, भौतिकी और रसायन विज्ञान प्रयोगशालाओं के लिए दो कमरे, 3 प्राध्यापक कमरे, एक प्रधानाध्यापक कार्यालय कक्ष, एक प्रशासनिक कार्यालय कक्ष, एक सम्मेलन कक्ष, एक कंप्यूटर केंद्र जिसमें 30 कंप्यूटरों को रखने की क्षमता है। एक छोटा पुस्तकालय और एक छोटा परीक्षा कक्ष।

उपरोक्त कैपस मार्च 2017 में पूरा हो गया था। कैपस के निर्माण के लिए किया गया पूंजीगत व्यय रु. 4.28 करोड़ है। परिसर की सभी गतिविधियाँ और अध्ययन इस परिसर में होता है।

तालिका 5: परिसर की विस्तृत सुविधाएँ

क्रम सं.	विवरण	संख्या	L (Meter)	B (Meter)	कुल (वर्ग मी.)
1	बरामदा	1	6.55	2.00	13.10
2	प्राध्यापक कक्ष 1	1	6.72	3.30	22.16
3	प्राध्यापक कक्ष 2	1	4.93	3.37	9.19
4	शौचालय 1 (प्राध्यापक कक्ष 1 के साथ संलग्न)	1	4.93	1.87	9.19
5	प्राध्यापक कक्ष 3	1	5.00	5.00	25.00
6	प्रधानाचार्य कक्ष	1	5.00	3.62	18.08
7	शौचालय 2 (संकाय कक्ष 2 के साथ संलग्न)	1	2.00	2.00	4.00
8	शौचालय 3 (प्रधानाचार्य कक्ष के साथ संलग्न)	1	2.00	1.80	3.60
9	प्रशासनिक कार्यालय का कमरा	1	3.37	4.29	14.44
10	शारीरिक रूप से विकलांगों के लिए वॉश रूम	1	1.17	1.32	1.54
11	छात्राओं के लिए वॉश रूम	1	3.39	2.75	9.31
12	भौतिकी प्रयोगशाला	1	6.00	4.00	24.00
13	क्लास रूम	6	6.20	5.60	208.32
14	रसोई	1	3.42	3.87	13.22
15	जलपान गृह	1	5.87	3.89	22.79
16	रसायन विज्ञान प्रयोगशाला	1	6.00	4.00	24.00
17	सम्मेलन कक्ष	1	5.65	10.62	59.97
18	परीक्षा कक्ष	1	3.00	3.00	9.00
19	प्रांगण	1	7.72	14.26	110.09
20	गलियारा	2	21.60	2.10	90.72
21	गलियारा	2	10.90	2.10	45.78
22	प्रतीक्षा स्थल (वेटिंग रूम)	1	3.62	1.80	6.51
23	गलियारा	1	21.72	2.10	45.61
24	प्रतीक्षा स्थल	1	5.53	5.83	32.24
25	पुरुष छात्र शौचालय	1	5.65	3.39	19.13
26	कंप्यूटर सेंटर सह पुस्तकालय	1	5.65	10.62	59.97
कुल योग					900.95

(ग) किराए पर लिए गए परिसरों और वाहनों का विवरण एक अलग शीट में संलग्न किया गया है— संलग्नक 2

टिप्पणी और खर्च को मंजूरी देने के लिए प्रशासनिक व्यवस्था—

- (क) निदेशक आरजीआईपीटी द्वारा अंतिम अनुमोदन से पहले अनुमोदन की टिप्पणी कार्यवाहक प्राचार्य द्वारा तैयार की जाती है और प्रभारी प्रोफेसर द्वारा अनुमोदन के लिए अग्रेषित की जाती है।
- (ख) सभी स्थानीय बिल प्रशासनिक कार्यालय (सैयद मिनहाजुल हक-ओएनजीसी से प्रतिनियुक्ति पर) द्वारा सत्यापित किए जाते हैं और भुगतान के लिए आरजीआईपीटी नोएडा कार्यालय को भेजे जाते हैं। आरजीआईपीटी नोएडा कार्यालय द्वारा असम केंद्र की सभी वित्तीय गतिविधियों का ध्यान रखा जा रहा है।

छात्रों का विवरण

तालिका 6: छात्र वास्तविक संख्या के बनाम स्वीकृत संख्या का विवरण

कार्यक्रम	छात्रों का डेटा			
	2017		2018	
	स्वीकृत संख्या	वास्तविक संख्या	स्वीकृत संख्या	वास्तविक संख्या
पेट्रोलियम इंजीनियरिंग में डिप्लोमा	30	30	30	29
केमिकल इंजीनियरिंग में डिप्लोमा	30	30	30	30
पाइपिंग इंजीनियरिंग में डिप्लोमा	30	30	30	28
कुल	90	90	90	87

भूमि का विवरण:

असम सरकार के पत्र क्रमांक संख्या RR-1-117 / 2009/42 (प्रतिलिपि संलग्न) दिनांक 19.11.2009 को सरकार की चारागाह जमीन का 100 एकड़ का एक भूखंड आरजीआईपीटी को हस्तांतरित किया गया। असम सरकार द्वारा आरजीआईपीटी को आवंटित 100 एकड़ भूमि के लिए आरजीआईपीटी ने असम सरकार को प्रीमियम और पूंजीगत भू-राजस्व के रूप में 60,97,535.00 रु. का भुगतान किया।

चल रही निर्माण गतिविधियाँ:

- (क) आरजीआईपीटी ने छात्रों के लिए इंजीनियरिंग कार्यशाला के निर्माण के लिए CPWD को (तेल पीएसयू से कुल पूंजी कोष के रूप में प्राप्त रु. 10.21 करोड़ की शेष राशि से) के रूप में 3.00 करोड़ रुपये (डिपॉजिट रूप में) का भुगतान किया है। CPWD द्वारा उक्त इंजीनियरिंग कार्यशाला का निर्माण वर्तमान में चल रहा है। पेट्रोलियम और पाइपिंग इंजीनियरिंग (आरजीआईपीटी असम केंद्र इन उन्नत डिप्लोमा पाठ्यक्रमों की पेशकश करने वाला एकमात्र संस्थान है) जैसे कौशल आधारित उन्नत डिप्लोमा पाठ्यक्रम की पेशकश के लिए, छात्रों को प्रशिक्षण प्रदान करना अत्यंत आवश्यक है। उक्त कार्यशाला के पूर्ण होने की अपेक्षित तिथि 06/12/2019 है।
- (ख) इस शैक्षणिक सत्र में दाखिल हुए छात्रों की नयी बैच को समायोजित करने के लिए 4 अतिरिक्त कक्षाओं के निर्माण के लिए आरजीआईपीटी द्वारा 2,59,29,900/- रुपये की अतिरिक्त राशि CPWD (ऑयल पीएसयू से कुल पूंजी निधि के रूप में प्राप्त रु. 10.21 करोड़ की शेष राशि से) को देने के लिए स्वीकृत की गई है। CPWD द्वारा उक्त कक्षाओं का निर्माण वर्तमान में चल रहा है। दिसंबर- 2019 को उक्त कक्षाओं के पूरा होना अपेक्षित है।

भविष्य की कोई योजना:

वर्तमान में, असम केंद्र में इंजीनियरिंग प्रयोगशालाओं, मेस, संकाय और कर्मचारियों के निवास, छात्रों के छात्रावास, खेल के मैदान आदि के लिए बुनियादी ढांचा नहीं है।

पेट्रोलियम इंजीनियरिंग और पाइपिंग इंजीनियरिंग छात्रों के लिए प्रयोगशालाएँ डिब्रूगढ़ विश्वविद्यालय में संचालित की जाती हैं और केमिकल इंजीनियरिंग छात्रों के लिए प्रयोगशालाएँ आईआईटी गुवाहाटी में आयोजित की जाती हैं।

इन परिस्थितियों को ध्यान में रखते हुए आरजीआईपीटी बोर्ड ने अपनी 54 वीं बैठक में अतिरिक्त ब्याज के उपयोग के लिए स्थाई फण्ड में से 34.00 करोड़ रुपये उपर्युक्त बुनियादी ढांचों के निर्माण के लिए स्वीकृत किये हैं और उक्त निधि को जारी करने की स्वीकृति MoPNG द्वारा अपने पत्र दिनांक 25 मार्च 2019 के माध्यम से दी है।

कोई अन्य जानकारी जिसे आप प्रस्तुत करना चाहते हैं:

1. आरजीआईपीटी असम केंद्र एक व्यवस्थापक अधिकारी- सैयद मिनहाजुल हक (ओएनजीसी से प्रतिनियुक्ति पर) और एक परियोजना प्रबंधक-श्री बी.के. श्याम (ऑयल इंडिया लिमिटेड से प्रतिनियुक्ति पर) की सेवाओं का उपयोग कर रहे हैं। ये दोनों 2 साल की अवधि के लिए प्रतिनियुक्ति पर आए हैं और सैयद मिनहाजुल हक की प्रतिनियुक्ति अवधि 20.02.2020 को समाप्त होगी और श्री बी.के.श्याम की प्रतिनियुक्ति अवधि 20.01.2021 को समाप्त हो जाएगी।



अध्याय 11

बैंगलोर एनर्जी केन्द्र

आरजीआईपीटी का तीसरा परिसर, “एनर्जी इंस्टिट्यूट, बैंगलोर” बैंगलूरु में प्रस्तावित है - जिसके बारे में ऐसी कल्पना की जाती है कि यह विश्व स्तर के अनुसंधान, और शिक्षा प्रदान करने वाले एक प्रतिष्ठित ऊर्जा अनुसंधान संस्थान के रूप में जाना जाये, ताकि अगले 20 वर्षों में दुनिया के शीर्ष 20 संस्थानों में स्थान प्राप्त कर सके।

ऊर्जा संस्थान का उद्देश्य एनर्जी आर एंड डी, प्रौद्योगिकी विकास, ऊर्जा नवीनीकरण और उद्यमिता के माध्यम से आर्थिक विकास को गति देना है। संस्थान अत्याधुनिक औद्योगिक, तकनीकी और बुनियादी अनुसंधान का संचालन छात्रों को शिक्षा और ऊर्जा के क्षेत्र में उद्योग के पेशेवरों को प्रशिक्षण प्रदान करेगा। इस संस्थान का उद्देश्य ऊर्जा अनुभव केंद्र, इनक्यूबेशन सेल/ई-सेल, लाइसेंसिंग और व्यवसायीकरण के कार्यालय को बनाना है ताकि ऊर्जा प्रौद्योगिकियों के अनुभव को सुविधाजनक बनाया जा सके।

संस्थान की स्थापना के लिए, होसकोट तालुक के कम्बलीपुरा में कर्नाटक सरकार द्वारा आरजीआईपीटी को 150 एकड़ जमीन आवंटित की गई है। जबकि कम्बलीपुरा में इस सेंटर ऑफ़ एक्सीलेंस के निर्माण में कुछ वर्षों की आवश्यकता होगी, शैक्षणिक सत्र वर्ष 2018-19 से विश्वेश्वरैया टेक्नोलॉजिकल यूनिवर्सिटी कैम्पस, मुडेनाहल्ली (चिक्काबल्लापुर जिला) के एक अस्थायी परिसर से शुरू होंगे। रिन्यूएबल एनर्जी, पावर और एनर्जी सिस्टम इंजीनियरिंग और एनर्जी साइंस एंड टेक्नोलॉजी के क्षेत्रों में तीन एम टेक कार्यक्रम डिजाइन किये गये हैं जो सितंबर 2018 से शुरू हुए।

एक उत्कृष्टता केंद्र स्थापित किया जाना प्रस्तावित है और कम्बलीपुरा, होसकोट तालुक में 150 एकड़ भूमि में स्टेट ऑफ़ दी आर्ट परिसर विकसित किया जाएगा। ऊर्जा से संबंधित क्षेत्रों में डिजाइन किए गए तीन एम टेक प्रोग्राम के साथ, इंजीनियर स्टेट्समैन, सर एम विश्वेश्वरैया के जन्म स्थान, मुडेनाहल्ली (चिक्काबल्लापुर जिला) में एक अस्थायी परिसर भी स्थापित किया जा रहा है।

चलाये जा रहे पाठ्यक्रम

- रिन्यूएबल एनर्जी में एम. टेक.
- पावर और एनर्जी सिस्टम इंजीनियरिंग में एम. टेक.
- एनर्जी साइंस एंड टेक्नोलॉजी में एम. टेक.

अध्याय 12

आरजीआईपीटी में आयोजित कार्यक्रम

असम केंद्र

असम स्टार्टअप ने हमारे परिसर में उद्यमिता विकास सेल (EDC) की स्थापना और उद्यमिता गतिविधियों को बढ़ावा देने के लिए आरजीआईपीटी असम केंद्र के साथ एक समझौता पत्र पर हस्ताक्षर किया ।

युवा उद्यमी अपनी उद्यमशीलता के गुरु छात्रों को सिखाते हुए दिखे । बाईं ओर से- मिस देदीप चेतिया (लेट्स लर्न टूगेदर), श्री दीपमोइना दुवाराह (ओकीगा होलिडे प्राइवेट लिमिटेड), श्री बिजॉय शंकर राजकुमार (नॉर्थ ईस्ट गाइड) ।



श्रीकानन ज्योति खरगोरिया, सामुदायिक, समन्वयक, आईआईएम कोलकाता इनोवेशन पार्क (असम स्टार्टअप) ने स्टार्ट-अप्स के आवेदन प्रक्रिया, पात्रता आदि के हेतु विभिन्न सरकारी योजनाओं के बारे में जानकारी दी ।

जायस केंद्र

रिफाइनिंग इकोनॉमिक्स और मार्जिन सुधार पर उन्नत प्रशिक्षण कार्यक्रम 5-7 सितंबर 2018 डिपार्टमेंट ऑफ मैनेजमेंट स्टडीज, आरजीआईपीटी ने 05 से 07 सितंबर 2018 तक अर्थशास्त्र और मार्जिन सुधार पर प्रबंधन विकास प्रशिक्षण उन्नत कार्यक्रम का आयोजन किया। यह एडवांस्ड ट्रेनिंग प्रोग्राम को रिफाइनरी प्रॉफिटेबिलिटी के वैल्यू चेन से विभिन्न तत्वों पर ज्ञान बढ़ाने और मार्जिन को अधिकतम करने के तरीकों और साधनों के लिए डिजाइन किया गया। प्रतिभागियों ने सीखा कि मार्जिन की गणना कैसे की जाती है, रिफाइनरी मार्जिन को क्या प्रभावित करता है और मार्जिन में सुधार के लिए एक्शन आइटम की पहचान कैसे करते हैं। इस कोर्स ने रिफाइनरी लाभप्रदता और मार्जिन के लिए कारकों और तकनीक के बारे में जागरूकता की भावना पैदा करना और प्रचारित करना सिखाया गया। भारत और विदेशों के उद्योग विशेषज्ञ प्रशिक्षण कार्यक्रम के संकाय थे। पीएसयू ऑयल कंपनियों के विभिन्न रिफाइनरियों से 36 प्रतिभागियों ने प्रशिक्षण कार्यक्रम में भाग लिया, जिन्होंने अपने काम में समान योगदान देने के लिए प्रशिक्षण को बहुत उपयोगी बताया।

आरजीआईपीटी की एस. एंड टी. काउंसिल द्वारा प्रस्तुत

विज्ञान और तकनीकी परिषद, आरजीआईपीटी की छात्र तकनीकी गतिविधियों का एक परिषद् है। एस. एंड टी. गतिविधियों के तहत छात्रों द्वारा विभिन्न तकनीकी गतिविधियों का संचालन किया जाता है। टिंकरिंग लैब, कोड क्लब और ई-सेल मूल रूप से इस परिषद् के तहत प्रचारित तीन क्लब विद्यमान हैं। इसका उद्देश्य तकनीकी मॉडल तैयार करना जो उद्योग की कुछ जरूरतों को पूरा करने के लिए उपयोगी होगी। आईओटी का उपयोग करके मॉडल के निर्माण के लिए सॉफ्टवेयर को एकीकृत करने की आवश्यकता है, कोड क्लब इन आवश्यकताओं को पूरा करने में सहायक होती है। अंत में रोमांचक मॉडलों को व्यावसायिक रूप से व्यवहार्य व्यवसाय मॉडल में अपग्रेड करने के अवसर की आवश्यकता होती है। जो ई-सेल को बिजनेस मॉडल के रूप में आकार देने की मांग करता है। एस एंड टी काउंसिल छात्रों को पूरे वर्ष अपने मॉडल के निर्माण पर काम करने के लिए प्रोत्साहित करता रहता है। साल भर चलने वाले मॉडल बनाने के लिए मॉडलिंग में विशिष्टता खोजने के लिए प्रशिक्षण और अन्य के साथ प्रतिस्पर्धा करने की आवश्यकता होती है। इन दो आवश्यकताओं को विंटर स्कूल और वार्षिक तकनीकी महोत्सव ऊर्जोत्सव के संगठन के माध्यम से पूरा करने की योजना है। छात्र, संकाय सदस्यों द्वारा सलाहित संस्थान के छात्रों में तकनीकी, उद्यमशीलता और प्रबंधन कौशल को बढ़ावा देने के लिए काम करते हैं। छात्रों को विचारों को प्रोटोटाइप और प्रोटोटाइप को उत्पादों में बदलने के लिए मंच की पेशकश की जाती है। इसके साथ ही, डिजिटल परिवर्तन के लिए आगामी तेल एवं गैस उद्योग के कार्यबल को प्रशिक्षित करने के लिए एक मिशन बनाया गया। जिसके लिए, प्रतिभागियों को लगे रहने, और सीखने में व्यस्त रखने के लिए विभिन्न व्याख्यान, कार्यशालाएं, परियोजनाओं के साथ-साथ प्रतियोगिताओं की भी वर्ष भर आयोजन करने की योजना बनायीं गयी। विभिन्न एसएंडटी कार्यक्रमों को संस्थान के छात्रों और संकाय सदस्यों द्वारा बहुत अधिक उत्साह के साथ प्राप्त किया जाता है।

एस एंड टी प्रोजेक्ट्स

सेमेस्टर की शुरुआत में, एस एंड टी समिति ने संस्थान के छात्रों को एक दर्जन से अधिक वित्त पोषित तकनीकी परियोजनाएं प्रदान की। ये परियोजनाएं मुख्य रूप से डेटा साइंस, इंटरनेट ऑफ थिंग्स, हार्डवेयर प्रोग्रामिंग, एंड्रॉइड ऐप डेवलपमेंट और वेबसाइट डेवलपमेंट पर थीं। अधिकांश परियोजनाओं के लिए हमने तेल और गैस उद्योग में प्रासंगिकता खोजने का लक्ष्य रखा है। प्रत्येक टीम में नए सत्र के 5-8 छात्र शामिल होते हैं, जो एक छात्र को वर्ष से समन्वित करते हैं, और जूनियर वर्ष के छात्रों को सलाह देते हैं। सभी परियोजनाओं को एस एंड टी समिति द्वारा वित्त पोषित किया जाता है।

टिंकरिंग लैब

हर इंजीनियर टिंकर है। यह जानने की जिज्ञासा कि हमारे आस-पास की विभिन्न प्रकार की चीजें कैसे काम करती हैं, शायद यही कारण है कि हम इस महान पेशे को चुनते हैं। इसलिए टिंकर को जीवित रखने और उत्पादक तरीके से व्यस्त रखने के लिए, संस्थान के छात्रों में तकनीकी शौक को बढ़ाने के लिए एसएंडटी समिति के बैनर तले टिंकरिंग लैब की शुरुआत की गई। टिंकरिंग लैब लोगों को एक साथ सहयोग करने और विचारों को उत्पादों में बदलने के लिए स्थान और रसद प्रदान करता है। यह एक निर्माता का स्थान है जो अंतःविषय परियोजनाओं के साथ छात्रों को प्रेरित करता है, सलाह देता है, और नियमित सत्र शुरू करने का आयोजन करता है। लैब एक पूर्ण सेंसरमॉड्यूल, प्रोटोटाइप बोर्ड, बाह्य उपकरणों और अन्य हार्डवेयर प्रदान करता है और परियोजना की जरूरतों के अनुसार अधिक प्राप्त करने के लिए खुला है।

कोड क्लब

हमारा मानना है कि हर इंजीनियर को कंप्यूटर प्रोग्राम करना सीखना चाहिए, क्योंकि यह आपको सिखाता है कि कैसे सोचना है। जबकि आरजीआईपीटी में छात्र अपने पहले वर्ष में प्रोग्रामिंग सीखते हैं, वे आमतौर पर उसके बाद इसे छोड़ देते हैं। हमारा एक लक्ष्य यह है कि इन छात्रों को प्रोग्रामिंग के साथ ले जाने में मदद करें और इसे उपयोगी कौशल के रूप में बनाए रखें। जो लोग पहले से ही प्रोग्राम करते हैं, उनके लिए हम सभी क्षेत्रों के प्रोग्रामर का एक समुदाय बनाए रखना चाहते हैं और लोगों को अधिक से अधिक ऊंचाइयों तक पहुंचाने में मदद करते हैं। हमारे क्लब के फोकस क्षेत्रों में डेटा विज्ञान, मशीन लर्निंग, अनुप्रयोग विकास और तेल और गैस उद्योग के लिए सिमुलेशन शामिल हैं। हम प्रासंगिक सॉफ्टवेयर और प्रोग्रामिंग भाषाओं के लिए नए सत्र शुरू कर रहे हैं। कोड क्लब एस एंड टी प्रोजेक्ट से संबंधित है और इसकी फंडिंग भी करता है और संस्थान के आंतरिक अनुप्रयोगों के डिजाइन और विकास पर काम करता है।

ई-सेल

उद्यमिता सेल आरजीआईपीटी एक ऐसा संगठन है, जो प्रौद्योगिकियों के औद्योगिक और वाणिज्यिक अनुकूलन का समर्थन और सुविधा प्रदान करने का कार्य करता है जो हमारे समाज में सकारात्मक बदलाव ला सकता है। उद्यमिता सेल अपने ज्ञान पूल से कल के भावी उद्यमियों को संसाधन और परामर्श प्रदान करता है, जिससे उन्हें जनता या उद्योग के लिए एक विपणन उत्पाद में अपने प्रोटोटाइप को विकसित करने में मदद मिलती है। हमारी टीम बाजार के लिए अपनी परियोजनाओं को व्यवहार्य बनाने के लिए टिंकरिंग लैब और कोड क्लब के साथ सहयोग करती है और उन्हें लॉन्च करने और दिखाने के लिए उपयुक्त प्लेटफार्मों को खोजने का प्रयास करती है।

ई-सेल यूनिक्स

उद्यमिता सेल ने एक विशेष कार्यक्रम "यूनिक्स" का आयोजन किया, जो हमारे छात्रों को उनकी आंतरिक उद्यमशीलता की भावना को दिखाने और आला समस्याओं के लिए समाधानों का प्रस्ताव देने का अवसर प्रदान करता है। उन्होंने कुछ आंतरिक परियोजनाओं जैसे "आरजीआईपीटी परिसर में साइकिल सेवाएं", "जायस से लखनऊ के लिए शटल सेवाएं" और "रायबरेली से आरजीआईपीटी तक खाद्य वितरण" उद्यमशीलता कौशल विकसित करने और छात्रों को नए क्षितिज देखने के लिए प्रोत्साहित करने के लिए सलाह प्रदान की जाती है।

बीपीसीएल के लिए प्रशिक्षण कार्यक्रम

आरजीआईपीटी, राष्ट्रीय महत्व के संस्थान, ने कोच्चि रिफाइनरी लर्निंग सेंटर में 28 से 29 जनवरी 2019 तक केमिकल इंजीनियर्स JGA-B के लिए "एडवांस्ड पेट्रोलीयम रिफाइनिंग टेक्नोलॉजी" पर अपना दूसरा प्रशिक्षण कार्यक्रम आयोजित किया। कार्यक्रम में विभिन्न रिफाइनरी डिवीजनों से कुल 28 प्रतिभागियों ने भाग लिया। ENCON, रासायनिक प्रक्रिया मॉडलिंग और सिमुलेशन, प्रक्रिया गहनता, हीट एक्सचेंजर डिजाइन, CO₂ कैप्चर तकनीक, उन्नत पृथक्करण प्रक्रियाएं, बैरल उन्नयन के नीचे और पेट्रोलीयम जैसे विषयों को आरजीआईपीटी के संकाय सदस्य डॉ राकेश कुमार, डॉ मिलन कुमार और डॉ एम.एस. बलाथनिगईमनी ने कार्यक्रम में सिखाया।



आई.ओ.सी.एल. के लिए प्रशिक्षण कार्यक्रम

आई.ओ.सी.एल. अधिकारियों के लिए “संशोधन प्रौद्योगिकी” पर चौथा दो सप्ताह का आवासीय प्रशिक्षण कार्यक्रम 28.05.2018 से 09.06.2018 तक आयोजन किया गया।

प्रतिभागियों के बारे में पृष्ठभूमि

- प्रतिभागियों को हाल ही में अधिकारी संवर्ग के लिए प्रेरित किया गया है।
- संशोधन की प्रक्रिया में 8 से 31 साल के अनुभव होते हैं।
- आई.ओ.सी.एल. संशोधनों जैसे आई.ओ.सी.एल. असम तेल विभाजन (आई.ओ.सी.एल.-ए.ओ.डी.), आई.ओ.सी.एल. के प्रतिभागी बरौनी, आई.ओ.सी.एल. बोंगईगाँव, आई.ओ.सी.एल. गुवाहाटी, आई.ओ.सी.एल. गुजरात, आई.ओ.सी.एल. हल्दिया, आई.ओ.सी.एल. पानीपत और आई.ओ.सी.एल. पारादीप रिफाइनरी वर्तमान में हमारे कार्यक्रम में भाग ले रही हैं।

वर्तमान कार्यक्रमों के बारे में

- कार्यक्रम में कच्चे तेल का “रसायन विज्ञान” से लेकर “बैरल के नीचे तक” के विषय शामिल हैं।
- कुल मिलाकर, इस पाठ्यक्रम में 44 सत्र (प्रत्येक 90 मिनट) को शामिल किया गया है।
- प्रतिभागियों को तकनीकी व्याख्यान के साथ प्रबंधन संबंधी व्याख्यान (वित्त, विपणन, बातचीत कौशल, परिवर्तन प्रबंधन, उपभोक्ता व्यवहार, आपूर्ति श्रृंखला प्रबंधन और रिफाइनरी अर्थशास्त्र) प्रदान करना कार्यक्रम के बारे में बहुत खास है।
- आर.जी.आई.पी.टी. के इन-हाउस संकाय सदस्यों, संख्या 18 और 05 अतिथि संकाय सदस्यों ने इस कार्यक्रम में व्याख्यान दिया है।
- कार्यक्रम के पूर्व और कार्यक्रम के बाद परीक्षा भी आयोजित किए गए हैं।
- व्याख्यान पर प्रतिपुष्टि दैनिक आधार पर लिया जाएगा।
- प्रतिभागियों को कोर्स पूरा करने का प्रमाणपत्र प्रदान किया जाएगा।



22.10.2018 से 03.11.2018 तक आई.ओ.सी.एल. अधिकारियों के लिए “संशोधन प्रौद्योगिकी” पर पांचवां 2 सप्ताह का आवासीय प्रशिक्षण कार्यक्रम।

राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान (आर.जी.आई.पी.टी.) ने इंडियन ऑयल कॉर्पोरेशन लिमिटेड के रासायनिक अभियंता के लिए प्रशिक्षण “संशोधन प्रौद्योगिकी” पर पांचवें 2 सप्ताह के प्रशिक्षण कार्यक्रम का आयोजन 22.10.2018 से 03.11.2018 तक किया। कार्यक्रम में कुल 17 प्रतिभागियों ने भाग लिया जिनका आई.ओ.सी.एल. की विभिन्न रिफाइनरियों से 15-25 वर्षों तक औसत उद्योग का अनुभव रहा। कार्यक्रम का उद्घाटन हमारे माननीय निदेशक, आर.जी.आई.पी.टी. द्वारा किया गया। इस कार्यक्रम में मौलिक और हाल की प्रगति से संबंधित विषय पेट्रोलियम संशोधन प्रौद्योगिकी, एच.आर., फाइनेंस, आपूर्ति श्रृंखला प्रबंधन, आर्ट ऑफ नेगोशिएशन, विपणन, भविष्य का ईंधन, वैश्विक ऊर्जा परिदृश्य, पेट्रोलियम संशोधन प्रौद्योगिकी में चुनौतियां और अवसर इस कार्यक्रम में शामिल किए गए हैं। रासायनिक अभियांत्रिकी और अभियांत्रिकी विज्ञान, बुनियादी विज्ञान और मानविकी एंड

प्रबंध स्टडीज के विभागों के निदेशक और संकाय सदस्यों ने इस कार्यक्रम में व्याख्यान दिया। बाहरी विशेषज्ञ, प्रोफेसर एस. राय (आईआईटी, खड़गपुर), श्री कबीदास मंडल, (पूर्व-सीजीएम, आई.ओ.सी.एल.) श्री ऋषि सहानी और आई.ओ.सी.एल., आर.एच.क्यू. के विकास कुमार ने भी प्रतिभागियों के लिए कक्षाएं लीं।



आई.सी.यू.ई.आर.— 28.02.2019 से 01.03.2019

गैर-पारंपरिक ऊर्जा संसाधनों पर अंतर्राष्ट्रीय सम्मेलन का उद्देश्य कोयला तेल मीथेन, शेल गैस/तेल, गैस हाइड्रेट, संबद्ध चुनौतियों और हाल ही में तकनीकी विकास जैसे गैर परंपरागत ऊर्जा स्रोतों की खोज और शोषण पर चर्चा करने के लिए एक मंच होना था।

सम्मेलन ने छात्रों, शिक्षाविदों, शोधकर्ताओं उद्योग के पेशेवरों, व्यावसायिक नेताओं और नीति निर्माताओं के साथ आने का अवसर और मंच प्रदान किया।

आई.सी.यू.ई.आर. ने उपन्यास, आधुनिक नवाचार के आधुनिक क्षेत्र और पहले अप्रकाशित शोध कार्य / विचार को गैर परंपरागत ऊर्जा संसाधनों और संबंधित अनुप्रयोगों के क्षेत्र में प्रस्तुत करने के लिए आमंत्रित किया नीचे लिखा है।

- निरीक्षण की गैर परंपरागत दृष्टिकोण का आकलन करने के लिए
- गैर परंपरागत दृष्टिकोणों के विकास के लिए समुदाय और जनता में स्वीकृति में सुधार
- प्रमुख कारकों को अच्छी तरह से डिजाइन और अनुकूलन करने के लिए
- गैर परंपरागत दृष्टिकोणों के लिए उत्पादन प्रबंधन का अनुकूलन
- उत्पादन जल प्रबंधन और उद्योग में निपटान भू खतरा
- गैर परंपरागत दृष्टिकोणों के लिए जलाशय लक्षण वर्णन और अनुकरण
- ड्रिलिंग, पूर्णता, उत्तेजना और उत्पादन के दौरान गैर परंपरागत दृष्टिकोणों का संरक्षण
- गैर परंपरागत संसाधन निष्कर्षण में तकनीकी प्रगति
- गैर परंपरागत जलाशय गुणवत्ता
- गैर परंपरागत जलाशय में भू-विज्ञान की भूमिका

सम्मेलन में 20 आमंत्रित वार्ताएँ, 08 मौखिक प्रस्तुतियाँ जबकि 22 पोस्टर प्रस्तुतियाँ थीं।



शीत विद्यालय 2K19 रिपोर्ट

तेजी से बदलती इस दुनिया में, एक आदर्श इंजीनियर का लक्ष्य अपने कौशल सेट को अद्यतन रखना होगा। हालाँकि, हम अपने शैक्षणिक संस्थानों में जो सबसे ज्यादा सीखते हैं वह ज्ञान है, जबकि हमारी नौकरियों के लिए सबसे जरूरी कौशल है। इससे कंपनियों को प्रतिभा प्राप्त करने और प्रशिक्षित करने के लिए लागत बढ़ जाती है और संक्षेप में, इससे बेरोजगारी बढ़ जाती है।

वह अंतर जिसे हम कौशल प्रदान करके पाटने की कोशिश कर रहे हैं “शीत विद्यालय 2019: ब्रिजिंग द स्किल गैप” के साथ कंपनियों द्वारा मांग की जाती है।

एस. एंड टी. समिति का दृढ़ता से मानना है कि हमारे छात्रों को डेटा विज्ञान और अभिकलनात्मक जटिलता द्रव गतिकी जैसे प्रौद्योगिकी कौशल से लैस होना चाहिए। यह न केवल उनके लिए नए रास्ते तलाशने और अनुसंधान करने के लिए खुलेगा बल्कि नौकरी में आने पर उन्हें और अधिक सक्षम बना देगा। हाल के एक अध्ययन से पता चला है कि इस डिजिटल दुनिया में डेटा वैज्ञानिकों और सिमुलेशन इंजीनियरों की मांग चरम पर है। शीत विद्यालय के प्रतिभागियों ने दो समानांतर स्कूल पटरियों के माध्यम से डेटा वैज्ञानिक और अभिकलनात्मक जटिलता द्रव गतिकी सीखा जो दो दिनों के लिए पेशेवर प्रशिक्षकों द्वारा किया जाता है। इसके साथ, शीत विद्यालय ने सभी छात्रों को एक प्रोटोटाइप या पोस्टर के माध्यम से अपनी परियोजना के काम का प्रदर्शन करने का अवसर दिया।



कार्यक्रम 19 जनवरी 2019 को शुरू हुआ- शनिवार की सुबह विवेकानंद सभा ((सभागार) में निदेशक (प्रो.पी.के. भट्टाचार्य), डीन और अध्यक्ष (एस एंड टी समिति) द्वारा सरस्वती वंदना के साथ दीप प्रज्ज्वलित करके। टेक यूफोरिया प्रोजेक्ट प्रदर्शनी में निम्नलिखित परियोजनाओं का प्रदर्शन किया गया।

- ऊर्जा फूल
- अक्षय ऊर्जा मानचित्रण
- वायरलेस बिजली हस्तांतरण
- लैंड रोवर
- ब्लू बर्ड (डेटा एनालिटिक्स)
- वायरलेस गैस सेंसिंग प्रोसेसिंग
- क्वाडकोप्टर
- कॉलेज उपयोगिता ऐप
- घर स्वचालन प्रणाली
- डुरंगो गेमिंग मॉड्यूल

डेटा विज्ञान पर 2 दिवसीय कार्यशाला स्काईफी लैब्स के विशेषज्ञों द्वारा निम्नलिखित विषयों को कवर करने के लिए आयोजित की गई थी:

- मशीन लर्निंग का परिचय
- मशीन लर्निंग एल्गोरिदम की व्यापक श्रेणियां
- मशीन लर्निंग एल्गोरिदम विश्लेषण पाइथन प्रोग्रामिंग का परिचय
- पाइथन मानक पुस्तकालयों के प्रयोग से एल्गोरिथ्म की छँटाई और खोज करके पाइथन में उन्हें लागू करना
- पाइथन स्टैंडर्ड लाइब्रेरी

अभिकलनात्मक जटिलता द्रव गतिकी पर 3 दिवसीय कार्यशाला भी स्काईफाई लैब्स के विशेषज्ञ द्वारा आयोजित की गई थी, जो अल्टेयर हाइपरवर्क्स द्वारा निम्नलिखित विषयों को कवर करते हुए एक्यूसॉल्व्ड सॉफ्टवेयर पर अनुभव प्रदान करते हैं:

- द्रव यांत्रिकी और अग्रिम गणित की समीक्षा
- सीएफडी अभ्यास सत्र की मूल बातें
- अल्टेयर हाइपरवर्क्स पर काम करने वाले प्रतिभागियों के लिए अनुभव
- एक्यूसॉल्व्ड प्रवाह भौतिकी की स्थापना मेशिंग, समाधान रणनीति और समाधान
- परिणाम का पोस्ट प्रोसेसिंग
- ऊर्जा क्षेत्र में औद्योगिक समस्याओं पर आधारित केस स्टडीज
- एक समूह में चर्चा

यह अवसर सभी बी.टेक, पीएचडी, एम.टेक और अन्य छात्रों से पूर्ण समर्थन प्राप्त करने के साथ ही स्थापना के बाद भी एक शानदार उपलब्धि थी। प्रत्येक कार्यशाला में 60 से अधिक स्नातक छात्रों ने दाखिला लिया। यह आयोजन शीत विद्यालय परियोजना एवं पोस्टर प्रदर्शनी और एस. एंड टी. कमेटी परिवार के विजेताओं की यादगार समूह तस्वीरों के साथ समाप्त हुआ।

महिला प्रकोष्ठ द्वारा संगोष्ठी का आयोजन

महिला सेल आर.जी.आई.पी.टी. ने यौन उत्पीड़न मुक्त समाज: यूटोपियन पर 8 मार्च, 2019 को अंतर्राष्ट्रीय महिला दिवस के अवसर पर एक संगोष्ठी का आयोजन किया। एम.ओ.पी.एन.जी. से जुड़े एनजीओ पी.ओ.एस.एच.सी.ए. एक वक्ता को व्याख्यान देने के लिए आमंत्रित किया गया था। इसके अलावा, रायबरेली की उप जिला मजिस्ट्रेट श्रीमती शालिनी प्रभाकर को भी प्रशासन की ओर से कानूनों, अधिकारों और कर्तव्यों के बारे में बात करने के लिए आमंत्रित किया। इसके अलावा, डॉ. जया श्रीवास्तव और निदेशक, आर.जी.आई.पी.टी. प्रो. पी. के. भट्टाचार्य ने इस महत्वपूर्ण और समकालीन विषय पर बात की। सभी संकायों और आर.जी.आई.पी.टी. की छात्राओं ने इसमें भाग लिया।



आयल स्प्रिंग – 2018

Oil Spring-2018 का आयोजन 1 और 2 दिसंबर, 2018 को किया गया था। इसमें निम्नलिखित कार्यक्रम सम्मिलित थे:

Consilium, Marketeneur, Vyapaar Dohaeris, Ascension, Optinext, N-ergion, Boisterous, Q-Topia, Markytics

आयोजन समिति में निम्नलिखित संकाय सदस्य शामिल हैं: डॉ. संजय कुमार कर, डॉ. प्रदीप कुमार परीदा, डॉ. सरोज कुमार मिश्रा, डॉ. रोहित बंसल।

निम्नलिखित अतिथियों को अतिथि, न्यायाधीश और वक्ता के रूप में इस कार्यक्रम के लिए आमंत्रित किया गया था, जैसे कि श्री राम किंकर झा, (PwC Consulting) श्री भवानी शंकर मलिक (आदित्य बिड़ला कैपिटल), सुश्री अंशुआ मुखर्जी (आदित्य बिड़ला कैपिटल), श्री मोहित कोकिल (मार्किटिक्स), श्री संजीव कुमार मिश्रा (आईसीआईसीआई बैंक)।

निम्नलिखित शीर्ष और अग्रणी संस्थानों के छात्रों ने OIL Spring 2018 में भाग लिया था जैसे कि IIM लखनऊ, जयपुरिया इंस्टीट्यूट ऑफ मैनेजमेंट (लखनऊ), NTPC बिजनेस स्कूल (नोएडा), ग्रेट लेक इंस्टीट्यूट ऑफ मैनेजमेंट (चेन्नई), आईआईएम काशीपुर, बीआर अंबेडकर विश्वविद्यालय, एफडीडीआई रायबरेली, दिल्ली विश्वविद्यालय, दिल्ली तकनीकी विश्वविद्यालय, फिरोज गांधी इंजीनियरिंग प्रौद्योगिकी संस्थान।



उन्नत भारत अभियान प्रकोष्ठ— आरजीआईपीटी, जायस, अमेठी



उन्नत भारत अभियान मानव संसाधन और विकास मंत्रालय का एक प्रमुख कार्यक्रम है, जिसका उद्देश्य ग्रामीण भारत को सशक्त बनाना है। उसी तर्ज पर, यूबीए सेल आरजीआईपीटी, 2017 में शुरू किया गया, जो लगातार गाँवों के समावेशी विकास के लिए उन्हें अपना रहा है, जिसमें कि केसरीपुरवा, मुबारकपुर मुखेतिया, रानीगंज, आलमपुर, और मवई शामिल हैं। इस वर्ष के दौरान, हमने 100 से अधिक स्वयंसेवकों की सदस्यता को पार किया, जिसके माध्यम से हम 300 से अधिक बच्चों को लक्षित करके लगातार यात्राओं और गतिविधियों के संदर्भ में गाँवों में बेहतर सेवा दे सके। हमने गाँवों में व्यापक रूप से विविध गतिविधियाँ कीं, जिनका उद्देश्य बच्चों को सर्वांगीण विकास और जागरूकता अभियान के प्रति शिक्षित करना था। गोद लिए गये गाँवों के बच्चों को महत्वपूर्ण विषयों पर सलाह प्रदान करने के लिए जैसे की सामान्य विज्ञान, सामाजिक विज्ञान, विज्ञान, गणित, अंग्रेजी और सामान्य जागरूकता, नियमित साप्ताहिक दौरे किए गए। इसके अलावा मजेदार ढंग से सीखने पर भी जोर दिया जाता है, जैसे की कला और पेंटिंग प्रतियोगिताओं, निबंध लेखन प्रतियोगिता और सांस्कृतिक कार्यक्रम का आयोजन, जो बच्चों के असाधारण कौशल का प्रदर्शन करेंगे। खेल उत्सव का आयोजन किया गया। बच्चों के लिए विभिन्न प्रकार की दौड़ और अन्य खेल गतिविधियों की व्यवस्था की गई थी। सामाजिक महत्व के मुद्दों पर बहुत सारे संवेदीकरण अभियान और रैलियाँ आयोजित की गईं। गांधी जयंती के अवसर पर जल संरक्षण और वृक्षारोपण, स्वच्छता अभियान पर केंद्रित ड्राइव, बाल श्रम और स्वच्छता के महत्व जैसे सामाजिक मुद्दों पर जागरूकता फैलाने के लिए, गाँवों में नुक्कड़ नाटक का आयोजन किया।



अर्पण

अर्पण, संस्थान का सामाजिक क्लब 2009 में स्थापित किया गया था। सामाजिक परिवर्तन का एक साधन बनने के लिए एक छोटा कदम उठाने के साथ परिषद वर्षों में विकसित हुई। आज अर्पण में सैकड़ों शामिल हैं। समर्पित स्वयंसेवकों का मानना है कि वे दुनिया को एक बेहतर जगह बना सकते हैं। अर्पण स्वयंसेवक समाज के वंचित वर्ग के जीवन को बेहतर बनाने के लिए अथक प्रयास करते हैं। विकास की सबसे बड़ी बाधा अशिक्षा है। इस प्रकार युवा को प्रोत्साहित करना मुख्य उद्देश्य है। ज्ञान अर्पण शिक्षण केंद्र के लिए कई स्वयंसेवक आस-पास के क्षेत्रों में जाते हैं। स्वयं सेवक छात्रों को नवोदय विद्यालय में प्रवेश के लिए भी तैयार करते हैं और अन्य प्रतिष्ठित सरकारी स्कूल की परीक्षाओं के लिए भी। केंद्र में नियमित परीक्षाएँ आयोजित की जाती हैं। मेधावी उम्मीदवारों को पुरस्कृत किया जाता है। इसके अलावा सभी छात्रों को मुफ्त स्टेशनरी और किताबें भी प्रदान की जाती हैं।

गणतंत्र दिवस पर, हर साल अर्पण विज्ञान मेले का आयोजन करता है, और आस-पास के कई स्कूल के छात्र इसमें भाग लेते हैं। संस्थान के छात्र विज्ञान के विभिन्न मॉडल पर प्रकाश डालते हैं। विज्ञान की मूल बातें और हमारे दिन-प्रतिदिन के जीवन में इसकी उपयोगिता को भी दर्शाते हैं।

बच्चों के चेहरे पर मुस्कान खुशी और संतुष्टि लाती है। इसी चीज ने इन बच्चों के बीच सभी त्योहार मनाने के लिए अर्पण को प्रेरित किया है। उनके चेहरे पर चमक दीवाली पर दीया के प्रकाश को दर्शाती है, मकर-संक्रांति पर रंगीन पतंगों का पीछा करने की खुशियाँ, मुस्कराते हुए देशभक्ति के साथ स्वतंत्रता दिवस पर राष्ट्रगान गाना यह कुछ उदाहरण हैं, जो अर्पण और छोटे बच्चों को करीब लाते हैं और इन त्योहारों को खास बनाते हैं।

अर्पण द्वारा उठाए गए कुछ उल्लेखनीय प्रयासों में शामिल हैं:

कपड़ा और गद्दे का वितरण

जायस और रायबरेली के आसपास के क्षेत्रों में सभी जरूरतमंद लोगों के बीच कपड़े और गद्दे वितरित किए जाते हैं। छात्रों के साथ-साथ संस्थान के संकाय सदस्य इसमें प्रभावी रूप से भाग लेते हैं इस कार्यक्रम को संभव बनाते हैं।

रक्त दान

रक्त दान करने का निर्णय सबसे निस्वार्थ निर्णयों में से एक है जिसे कोई भी ले सकता है। अर्पण प्रत्येक वर्ष इसका आयोजन परिसर में करता है। मेडिकल स्टाफ एवं रेड क्रॉस सोसाइटी के सदस्य उपस्थिति में यह कार्यक्रम आयोजित किया जाता है।

स्वच्छ भारत अभियान

स्वच्छता और स्वच्छता के महत्व को कई स्वच्छता अभियान के माध्यम से बल दिया गया है। अर्पण द्वारा आस-पास के गांवों में सामाजिक जागरूकता और स्वच्छता अभियान चलाए जाते हैं, जिसकी जानकारी लोगों के बीच फैली हुई है।



अध्याय 13

प्रशासनिक अधिकारी व कर्मचारी

जयस परिसर

श्री जितेन्द्र प्रसाद
उप कुलसचिव

श्री हरीश कुमार यादव
अधिकाणी अभियन्ता (सिविल)

श्री अनिल कुमार वर्मा
सिस्टम एवं नेटवर्क प्रशासक

श्री सुधीर अरोड़ा
भण्डार एवं क्रय अधिकारी

श्री अरूण कुमार सिंह
सहायक कुलसचिव

श्री राकेश सिंह
सहायक कुलसचिव

साजी सैमुअल
सहायक नियुक्ति अधिकारी

बृजेश प्रताप सिंह
सहायक अभियन्ता (सिविल)

उत्कर्ष श्रीवास्तव
सहायक अभियन्ता (विद्युत)

श्री नारायण कुमार लेंगे
कनिष्ठ प्रशासनिक अधिकारी

श्री अंकित मोहन
कनिष्ठ प्रशासनिक अधिकारी

श्वेता नेगी
निजी सचिव

शिखा मल्होत्रा
लेखा अधिकारी

श्री मो० इल्ताफ जफर
वरिष्ठ तकनीकी अधीक्षक

श्री दीपक अस्थाना
कनिष्ठ तकनीकी अधीक्षक

श्री धर्मेन्द्र प्रताप सिंह
शारीरिक अनुदेशक

श्री लोकेश भटनागर
सहायक (आई०टी०)

श्री अरूण 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 गोविन्द कुमार तिवारी
कनिष्ठ पुस्तकालय एवं सूचना सहायक

श्री प्रदीप कुमार वर्मा
कनिष्ठ पुस्तकालय व सूचना सहायक

श्री कृष्ण कुमार सोनकर
कनिष्ठ पुस्तकालय व सूचना सहायक

श्री कृष्ण कान्त
श्री सहायक कुलसचिव

श्री साजी अल्बर्ट
सहायक कुलसचिव

श्री अमित कुमार श्रीवास्तव
कनिष्ठ सहायक

श्री रवि द्विवेदी
कनिष्ठ सहायक

शिवसागर परिसर, असम

सैयद मिनहजुल हक
प्रशासनिक अधिकारी (अनुबन्ध पर)

बिजोय कुमार श्याम
परियोजना प्रबन्धक (अनुबन्ध पर)

एनर्जी संस्थान, बैंगलुरु

महाबलेश्वर एस शेटी
प्रशासनिक अधिकारी (अनुबन्ध पर)

नवीन कुमार वी
प्रशासनिक सहायक (अनुबन्ध पर)

निवेदिता के.आर.
प्रशासनिक सहायक (अनुबन्ध पर)

रघु पुजारी जी
प्रशासनिक सहायक (अनुबन्ध पर)

पी एम राम्या
प्रशासनिक सहायक (अनुबन्ध पर)

रवि कुमार आर
प्रशासनिक सहायक (अनुबन्ध पर)

सुनील भट्ट एम
कार्यालय सहायक (अनुबन्ध पर)

रघु डी जे
टेली क्लर्क (अनुबन्ध पर)

भानुश्री एन
प्रयोगशाला सहायक (अनुबन्ध पर)

महेश के
तकनीकी अधिकारी (अनुबन्ध पर)

अध्याय 14

वर्ष 2018-19 का अंकेक्षित वित्तीय प्रतिवेदन

वर्ष 2018-19 का लेखा

आरजीआईपीटी के वर्ष 2018-19 का 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

33360.00 लाख रुपये के कॉर्पस निधि (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

24950.00 लाख रुपये के कॉर्पस निधि (जिसमें 17783.00 लाख रुपये सार्वजनिक क्षेत्र की तेल कंपनियों द्वारा एवं ब्याज से प्राप्त हुई धनराशि भी सम्मिलित हैं) को 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-

	जायस (लाख रुपये में)	असम (लाख रुपये में)
आय एवं व्यय खाता 2018-19	00	1632

पूँजीगत व्यय के लिए निधि

भारत सरकार एवं ओआईडीबी/सार्वजनिक क्षेत्र के उपक्रमों से 31 मार्च 2019 तक प्राप्त अनुदान एवं पूँजीगत निधि की स्थिति निम्नानुसार है:

क. जायस परिसर:

- भारत सरकार से 2017-18 तक 36910.00 लाख रुपये की निधि प्राप्त हुई। जबकि वर्ष 2018-19 के दौरान कोई राशि प्राप्त नहीं हुई।

- 31 मार्च 2019 तक ओआईडीबी से प्राप्त राशि 15963.00 लाख रुपये रही।

ख. असम केन्द्र

सार्वजनिक क्षेत्र के उपक्रमों एवं ओआईडीबी से 31 मार्च 2019 तक प्राप्त कुल पूँजीगत राशि 5568.00 लाख रुपये रही।

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

सामान्य संचय

वर्ष के दौरान 31 मार्च 2019 तक शून्य राशि सामान्य संचय में 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 2609.00 लाख रुपये रहा।

3. निर्धारित निधि (तुलनपत्र में अनुसूची-3)

31 मार्च 2019 को शेष 37.20 लाख रुपये की निर्धारित निधि, छात्रवृत्ति निधि से वर्ष के दौरान 22.08 लाख रुपये छात्रवृत्ति वितरण के बाद बची राशि को प्रदर्शित करता है।

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

31 मार्च 2019 को शेष बचे 56.11 लाख रुपये की निधि, विज्ञान व प्रौद्योगिकी विभाग, सर्ब, परमाणु उर्जा विभाग आदि संगठनों से प्राप्त, शोध परियोजना अनुदान को प्रदर्शित करता है जिसका भविष्य में उपयोग किया जाना है।

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

- 31 मार्च 2019 को 41.91 लाख रुपये, बकाया बिलों की देनदारी को प्रदर्शित करता है।
- 49.92 लाख रुपये की देनदारी वर्ष 2018-19 में मार्च 2019 के लिए देय वैधानिक बकाया है

3. 464.79 लाख रुपये वापस किये जाने योग्य बयाना राशि (ईएमडी), सुरक्षा जमा राशि, प्रतिधारण धन, छात्र/भूतपूर्व छात्र कल्याण निधि के शामिल हैं।
4. वास्तविक मूल्यांकन के आधार पर चालू वर्ष के खातों में सेवानिवृत्ति लाभों एवं ग्रेच्युटी नकदीकरण के लिए 350.89 लाख रुपये का प्रावधान किया गया है।
5. वर्ष 2018-19 के दौरान 2487.53 लाख रुपये का प्रावधान भवन निर्माण एवं पीएमसी शुल्क के भुगतान के लिए किया गया। इसके अतिरिक्त, 41.80 लाख रुपये का प्रावधान किया गया। यू.पी.एस.आई.डी.सी. से प्राप्त होने योग्य जमा शेष के प्रति ₹ 41.80 लाख का और प्रावधान किया गया।

6. स्थायी सम्पत्तियां (तुलनपत्र में अनुसूची-6)

चालू वर्ष के दौरान ₹ 405.00 लाख की पूँजीगत मदें सम्मिलित की गईं, जिनमें भवन, प्लांट एवं मशीनरी, फर्नीचर, निर्माण प्रबंधन प्रणाली, विद्युत उपकरण एवं अन्य सम्पत्तियाँ सम्मिलित थीं। इस स्थायी संपत्ति की कुल जोड़ भूमि सहित 44503.00 लाख रुपये रहा। जबकि वर्ष के दौरान मूल्यहास की 1699.00 लाख रुपये की राशि घटाने के बाद स्थायी संपत्ति का मूल्य 39232.00 रहा।

7. कार्यशील पूंजी (तुलनपत्र में अनुसूची-6)

31 मार्च 2019 तक जारी पूँजीगत कार्यों के मद में 4297.00 लाख रुपये खर्च किये गये जो सभी परियोजनाओं के लिए किया गया।

8. निवेश (तुलनपत्र अनुसूची 7 और 8)

निर्धारित निधि से 24.00 लाख रुपये का निवेश, शेवरान से छात्रवृत्ति के लिए प्राप्त निधि को प्रदर्शित करता है।

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

31 मार्च 2019 को 87911 लाख रुपये के बैंक शेष में निम्नलिखित राशि शामिल है-

- क. विभिन्न बैंको में सावधि जमा में रखे 67054 लाख रुपये ख. ऋण और अग्रिम में शामिल हैं:
- निवेश से ब्याज के रूप में प्राप्त 1307 लाख रुपये की राशि
 - मेसर्स एनसीसी लिमिटेड (कॉन्ट्रैक्टर) के बिल से प्राप्य योग्य 1531.00 लाख रुपये

10. आय (अनुसूची 10, 11 व 12)

कुल 7035 लाख रुपये की आय, जिसमें सावधि जमाओं से ब्याज के रूप में प्राप्त 4381 लाख रुपये (1307 लाख रुपये का जमा ब्याज सहित) एवं छात्रों से शुल्क और आवेदन शुल्क के रूप में प्राप्त 901 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	2017-18 (लाख रुपये में)	2018-19 (लाख रुपये में)
13	शैक्षिक	540.00	647.00
14	स्थापना	1442.00	1600.00
15	अन्य प्रशासनिक	1242.00	1473.00
	कुल	3224.00	3720.00

12. लेखा पर अंकेक्षण प्रतिवेदन

संस्थान के वित्तीय समिति और संचालक मंडल ने 25 मई 2019 को हुई बैठक में वित्तीय वर्ष 2018-19 के लेखा एवं मुख्य निदेशक, वाणिज्यिक अंकेक्षण व पदेन सदस्य, अंकेक्षण मंडल-2, नई दिल्ली द्वारा दिये गये अंकेक्षण प्रतिवेदन को स्वीकृति प्रदान की। मुख्य निदेशक, वाणिज्यिक अंकेक्षण व पदेन सदस्य, अंकेक्षण मंडल-2, नई दिल्ली के कार्यालय से प्राप्त प्रतिवेदन अंकेक्षण प्रतिवेदन संख्या-MAB-II/ACS/RGIPT/103-11/2019-20/293, दिनांक 11 अक्टूबर 2019 को अनुलग्नक-2 के रूप में प्रस्तुत किया गया है।

राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान जायस, अमेठी, उत्तर प्रदेश



वित्तीय वर्ष
2018–19 का लेखा

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY
JAIS, AMETHI**

ACCOUNTS FOR THE FINANCIAL YEAR 2018-19

1. BALANCE SHEET AS ON 31ST MARCH 2019
2. INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31ST MARCH 2019
3. RECEIPT & PAYMENT ACCOUNT FOR YEAR ENDED 31ST MARCH 2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)				AMOUNT (₹)	
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS				CURRENT YEAR	PREVIOUS YEAR
BALANCE SHEET AS AT 31ST MARCH' 2019					
CORPUS/ CAPITAL FUND AND LIABILITIES	SCHEDULE				
CORPUS /CAPITAL FUND	1			11,474,054,235.10	11,457,968,733.54
RESERVES AND SURPLUS	2			809,111,091.68	795,948,635.68
EARMARKED / ENDOWMENT FUNDS	3			3,720,549.38	3,281,815.38
SECURED LOANS AND BORROWINGS				-	-
UNSECURED LOANS AND BORROWINGS				-	-
DEFERRED CREDIT LIABILITIES	4			5,610,702.93	6,077,762.00
CURRENT LIABILITIES AND PROVISIONS	5			1,277,094,719.46	918,204,978.70
TOTAL				13,569,591,298.55	13,181,481,925.30
ASSETS					
FIXED ASSETS	6			4,352,992,170.89	4,361,538,009.55
INVESTMENTS- FROM EARMARKED/ENDOWMENT FUNDS	7			2,400,000.00	2,400,000.00
INVESTMENTS-OTHERS	8			-	-
CURRENT ASSETS, LOANS, ADVANCES ETC.	9			9,214,199,127.66	8,817,543,915.75
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)				0.00	0.00
TOTAL				13,569,591,298.55	13,181,481,925.30
SIGNIFICANT ACCOUNTING POLICIES	17			Enclosed	
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	18			Enclosed	
FINANCE OFFICER	DIRECTOR		PRESIDENT		

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS) NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31ST MARCH 2019				AMOUNT (₹)	
INCOME	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR		
INCOME FROM SALES/SERVICE GRANTS/SUBSIDIES					
FEES/SUBSCRIPTIONS	10	90,100,169.95	0.00		
INCOME FROM INVESTMENTS					
INCOME FROM ROYALTY, PUBLICATION ETC.	11	438,144,812.91	0.00		
INTEREST EARNED	12	5,306,162.82	343,455,990.00		
OTHER INCOME		169,960,280.00	2,762,015.81		
DEFERRED REVENUE INCOME (Transferred From Capital Fund - Depreciation)		703,511,425.68	171,521,057.00		
TOTAL - (A)			593,905,876.81		
EXPENDITURE					
ACADEMIC EXPENSES	13	64,727,491.42	52,509,677.36		
ESTABLISHMENT EXPENSES	14	160,074,122.00	144,198,102.00		
OTHER ADMINISTRATIVE EXPENSES	15	147,287,166.11	125,729,946.32		
EXPENDITURE ON GRANTS, SUBSIDIES ETC.		0.00	0.00		
PROVISION FOR DOUBTFUL DEBTS		0.00	0.00		
DEPRECIATION (Net Total at the year end - corresponding to Schedule - 6)		169,960,280.00	171,521,057.00		
TOTAL - (B)		542,049,059.53	493,958,782.68		
EXCESS OF INCOME OVER EXPENDITURE FOR THE YEAR C = (A-B)		161,462,366.15	99,947,094.13		
ADD (LESS) : PRIOR PERIOD ADJUSTMENT (NET)		1,831,849.27	-15,395,866.00		
NET EXCESS OF INCOME OVER EXPENDITURE	16	163,294,215.42	84,551,228.13		
TRANSFER TO DEPRECIATION FUND		0.00	3,965,158.00		
TRANSFER TO (FROM) CORPUS FUND RAEBARELI		-	(137,422,492.87)		
TRANSFER TO CORPUS FUND ASSAM		163,294,215.42	218,008,563.00		
TRANSFER TO GENERAL RESERVE		0.00	0.00		
SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND		0.00	0.00		
SIGNIFICANT ACCOUNTING POLICIES	17	Enclosed			
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	18	Enclosed			
				FINANCE OFFICER	DIRECTOR
				PRESIDENT	

Signed on : 25/05/2019

PREVIOUS YEAR	RECEIPTS	AMOUNT (Rs.)	AMOUNT (Rs.)	PREVIOUS YEAR	PAYMENTS	AMOUNT (Rs.)	AMOUNT (Rs.)
	OPENING BALANCES				EXPENSES		
	WITH SCHEDULED BANKS				Academic Expenses	67163093	
	IN SAVING ACCOUNTS				Establishment Expenses	140368327	
1134292	ICICI Bank - 000701260248	1369395		51677205	Administrative Expenses	135673110	343671817
6647060	HDFC Bank - 00031110004499	7086148		112166929	Prior Period Expenditure	467288	
395827324	Corporation Bank - 027022	0		891096	REFUNDS/OTHER PAYMENTS		
					Previous Year Statutory Dues	2910659	
105424	ICICI Bank - 000701258840	105424		0	Utilization Of Research/Other Grants	6378443	
12959189	ICICI Bank - 034301002171	21429162		7529429	Security Deposit Students	625100	
316070	HDFC Bank (FCRA) - 00031170000095	327901		364000	Payment Against Stale Cheques	17150	
417641	ICICI Bank - RBI - 000701262942	624813		204670	Scholarship Paid	2839094	
7716082	State Bank of India - 31936731040	482917		1144520	Refund of Grant/Student Welfare Fund	500	
185253689	Andhra Bank - 008410100014268	365940751		1000000000	Payment Against Defect Liability Period	142099892	
2596	Allahabad Bank - 50327100399	189165615		0	Research Grant Refunded	290311	27271749
0	Bank OF Baroda - 59480100000001	27456960		409246	ADVANCES		
0	Bank OF Baroda - 594801000000382	6626034		2578783	Advance Rent Assam	0	
0	Corporation Bank - 520101258696679	716885		415000	Advance for Activity	5742	
40397208	Allahabad Bank - 50192401170	80655089		590000	BIT JEE Fees Advance	590000	
1034348134	Andhra Bank - 008410100027721	995347655		24720	Advance To Staff	98420	694162
4863982	State Bank of India - 3478552906-2	6252929			FIXED ASSETS		
2041594	Bank OF Baroda - 37350100004760	13556136		3921671	C/WIP Jain	9061986	
0	Cheques in Hand	6438056		45742151	C/WIP Assam	1496655	
		1723581870		10874599	C/WIP Bangalore	17400000	
6035113947	WITH SCHEDULED BANKS			40776945	C/WIP - Advances	2900000	
2400000	IN DEPOSIT ACCOUNTS	6602359689		1589467	Fixed Assets Assam	5928855	
	FDR with HDFC	2400000	8328341559	768791	Fixed Assets Bangalore	834052	122564590
0	Capital Fund From ODD	0		9791695	Fixed Assets Rbi	84940042	33964213
8567931	Research Grants/Other Grant	6370416		77866286	PAYMENTS AGAINST P.V. LIABILITY		
1217475801	Budgetary Support from GOI	0			RECEIVED CHEQUES BOUNCED/REFUND		
1189460	Scholarship Grant	2095210	8465626	3576000	Fees Refunded	5212000	
	INTEREST EARNED			0	Other Income	105840	5317840
2827586	Interest on Bank Guarantee Invoked	15145027			REFUNDABLE PAYMENTS		
64028498	Interest On Fdr - Capital Fund Rbi	1670477		976210	Security - Deposit Paid (Others)	1723899	
17433902	Intt On Fdr -Capital Fund (Assam)	2354863		544500	Retention Money Refunded	3509971	
11352215	Intt. On Fdr -Capital Fund (ODDB)	18726226		4700	Refund of Income/Alumni Fund	2000	
13286448	Intt. On Fdr -Depreciation Fund	13162456		225500	Earnest Money Refund	3757100	8992970
160036	Intt. On Fdr -Earmarked Endowment Fund	242430					
91975	Interest On Scholarship Grant	552158	51853637				

Continued.....2

Dr. Anurag
FINANCE OFFICER

[Signature]
DIRECTOR

[Signature]
PRESIDENT

Signed on : 25/05/2019

FRASIER

DIRECTIONS

FINANCE OFFICER

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- 2 -
RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS
RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2019

PREVIOUS YEAR	RECEIPTS	AMOUNT (Rs.)	PREVIOUS YEAR	PAYMENTS	AMOUNT (Rs.)	AMOUNT (Rs.)
	REFUNDABLE/ TRANSFERABLE RECEIPTS			CLOSING BALANCES		
289124	Liability Against State Cheques	0		WITH SCHEDULED BANKS		
1052000	Security Deposit From Students	1259700		IN SAVING ACCOUNTS		
87500	Student Welfare Fund	86000	1360395	ICICI Bank - 000701260248	1610760	
91970	Security Deposit Others	6548042	189165615	Allahabad Bank - 50327100399	3608977	
229000	Allumni Fund	228900	80655089	Allahabad Bank - 50192401170	95258780	
294000	Wrongly Credited by Bank	0	995347655	Andhra Bank - 008410100027721	895971141	
200000000	Preliminary Fund Bangalore/IIPE	300000000	7086148	HDFC Bank - 00031110004499	7521135	
203849233	Bank Guarantee Invoked	0		Allahabad Bank - 50441574197	467932535	
3611000	B.Tech/MBA Fees Refund	4822000	13556136	Bank OF Baroda - 37350100004760	15224415	
4025873	Earnest Money Received	1044905	105424	ICICI Bank - 000701258840	113251	
	REFUNDS		21429162	ICICI Bank - 034301002171	4629057	
124530	Staff Advance	0	327901	HDFC Bank (FCRA) - 000311700000995	339529	
374817	Academic Expenses	366065	624813	ICICI Bank - RBI - 000701262942	43942	
0	Administrative	945	482917	State Bank of India - 31935731040	2865782	
45443	Establishment Expenses	56099	365940751	Andhra Bank - 008410100014268	395628996	
0	Refundable receipt - Nagar Rajya Bhana	40000	27456960	Bank of Baroda - 594801000000001	9305	
104000	P.Y. Dues/Debtors/Cheques in Hand	1547422	6626034	Bank of Baroda - 594801000000382	4057939	
0	Income Tax Refund	1803870	716885	Corporation Bank - 520101258696679	10120191	
	INCOMES			Corporation Bank - 520141001656188	179645512	
68834000	Fees Received	88596098	6438056	Cheques in Hand	9624	
8173506	Training/Workshop Fees/Sponsorship/Scholar	4645162	6252929	State Bank of India - 34785529006-2	1048867	
266757257	Interest From Bank/Bond	532532977		WITH SCHEDULED BANKS	2085639740	
27000	Prior Period Income	139248	6602359689	IN DEPOSIT ACCOUNTS		
3317643	Other Income/Int. On I.T. Refund	3616693	2400000	FDR with HDFC	6705478677	8792518417
	CONTRA ITEMS			CONTRA ITEMS		
979577	Imprest Cash	984493	979577	Imprest Cash	984493	
1101719556	Bank To Bank Transfer	662498229	1101719556	Bank To Bank Transfer	662498229	
21472955	Canceled Cheques	15798901	21472955	Canceled Cheques	15798901	
295524	Advance Others	5118185	295524	Advance Others	5118185	
10951716592	TOTAL	10020395566	10951716592	TOTAL	10020395566	

Dr. Anant
FINANCE OFFICER

[Signature]
DIRECTOR

[Signature]
PRESIDENT

Signed on : 25/05/2019

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY **JAIS, AMETHI**

ACCOUNTS FOR THE FINANCIAL YEAR 2018-19

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, JAIS		
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019		
SCHEDULE - 1 - CORPUS / CAPITAL FUND	CURRENT YEAR	PREVIOUS YEAR
AMOUNT (₹)		
CAPITAL FUND - RAE BARELI		
Government of India Budgetary Support		
Balance as at the beginning of the year	4,068,380,371.00	2,786,876,072.00
Add : Contribution during the year	0.00	1,217,475,801.00
	4,068,380,371.00	4,004,351,873.00
Less: Previous Year Recoverable Adjusted	0.00	0.00
Add : PRS Applied on Work Contract	4,068,380,371.00	4,004,351,873.00
	0.00	0.00
Add : Interest for the year from Bank	4,068,380,371.00	4,004,351,873.00
Capital Grant from Oil Industry Development Board		
Balance as at the beginning of the year	1,670,477.00	64,028,498.00
Add : Contribution during the year		
Add : Interest for the year from Bank		
	4,070,050,848.00	
Less: Refund During the Year	1,577,573,311.00	2,566,221,096.00
CAPITAL FUND - ASSAM	0.00	0.00
Balance as at the beginning of the year	18,726,226.14	11,352,215.00
Add : Interest for the year from Bank	1,596,299,537.14	1,596,299,537.14
	554,540,322.00	537,106,420.00
	2,354,863.00	17,433,902.00
TOTAL CAPITAL FUND		
Less - Capital Fund Adjustment - Assam (Cost of Land & Depreciation)		
Up to previous year	7,123,953.00	6,545,068.00
During the current year	361,070.00	578,885.00
	7,485,023.00	7,123,953.00
Less - Capital Fund Adjustment - Rachareli (Cost of Land & Depreciation)		
Up to previous year	403,151,916.59	225,968,284.59
During the current year	169,599,210.00	177,183,632.00
	572,751,126.59	403,151,916.59
	5,643,009,420.55	410,275,869.59
		5,790,218,134.41


FINANCE OFFICER


DIRECTOR


PRESIDENT

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS) NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019				AMOUNT (₹)	
SCHEDULE - I - CORPUS / CAPITAL FUND		CURRENT YEAR		PREVIOUS YEAR	
CORPUS FUND					
ASSAM CENTRE					
Balance as at the beginning of the year		2,331,733,711.00		2,113,725,148.00	
Add : Trfd. from Income & Expenditure		163,294,215.42	2,495,027,926.42	218,008,563.00	2,331,733,711.00
RAE BARELI CENTRE					
Balance as at the beginning of the year					
Fund Balance		2,500,000,000.00		2,500,000,000.00	
Surplus Interest		497,770,577.00		497,770,577.00	
Add: P.Y. Adjustment - Amount wrongly debited to Corpus Fund		71,662,620.13		209,085,113.00	
Excess of Income over Expenditure		266,583,691.00		266,583,691.00	
Add : Contributions received during the year		3,336,016,888.13		3,473,439,381.00	
Add : Surplus Funds Allocated		0.00		0.00	
Add : Trfd. from Income & Expenditure		3,336,016,888.13		3,473,439,381.00	
		-	3,336,016,888.13	(137,422,492.87)	3,336,016,888.13
BALANCE AS AT THE YEAR END			11,474,054,235.10		11,457,968,733.54
Finance Officer  FINANCE OFFICER		 DIRECTOR		 PRESIDENT	

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019			
SCHEDULE - 2 - RESERVES AND SURPLUS			AMOUNT (₹)
1. CAPITAL RESERVE			PREVIOUS YEAR
As per last account	50,800,831.59	50,800,831.59	
Addition during the year	0.00	0.00	
Less: Deductions during the year	0.00	0.00	50,800,831.59
2. DEPRECIATION FUND			
As per last account	247,764,022.00	224,230,994.00	
Add/ Less : Prior period Adjustment (P.Y. Depreciation adjusted)	-	6,281,422.00	
Addition during the year - (Transfer from Income & Expenditure)	247,764,022.00	230,512,416.00	
	13,162,456.00	3,965,158.00	
Add: Interest Earned on Investment of Fund during the year	260,926,478.00	234,477,574.00	
	0.00	13,286,448.00	247,764,022.00
3. GENERAL RESERVE			
As per last account	497,383,782.09	497,383,782.09	
Less: Amount wrongly transferred in P.Y. now reversed	0.00	0.00	
Addition during the year (Excess of Income over Expenditure)	497,383,782.09	497,383,782.09	497,383,782.09
BALANCE AS AT THE YEAR END	809,111,091.68		795,948,635.68
FINANCE OFFICER 			DIRECTOR 
PRESIDENT			

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019			
SCHEDULE - 3 - EARMARKED / ENDOWMENT FUND	AMOUNT (₹)		PREVIOUS YEAR
	CURRENT YEAR		
SCHOLARSHIP/ OTHER GRANTS			
a) Opening Balance of the Funds		3,281,815.38	3,497,490.38
b) Additions to Funds			
i. Donations/Grants			
Bhaskar Research Internship	70,717.00		0.00
Zila Kalyan Karayalaya - Saran/Padmadhikari	690,850.00		80,000.00
Bihar State Education Fin.Corp.	133,333.00		0.00
Director of Technical Education	416,000.00		0.00
Social Welfare Board Raebareli/District Welfare/Jharkhand State Tribal	447,250.00		679,900.00
Rural Development Grant	0.00		175,000.00
Central Sector Scholarship Scheme (MOSJE)	337,060.00		429,560.00
Less: Refunds	2,095,210.00	2,095,210.00	1,364,460.00
	0.00		0.00
ii. Interest on Investments - On Earmarked Funds (Chevron)		552,158.00	160,036.00
TOTAL (a+b)		5,929,183.38	5,021,986.38
c) Utilisation / Expenditure towards objectives of the Funds			
i. <u>Capital Expenditure</u>		0.00	0.00
ii. <u>Revenue Expenditure</u>			
Other Expenditure (Scholarship Distributed)			
Chevron Scholarship	72,000.00		74,000.00
Bhaskar Research Internship Award	70,717.00		0.00
Zila Kalyan Karayalaya - Saran/Padmadhikari	690,850.00		160,000.00
Unnat Bharat Abhiyan	73,424.00		0.00
Social Welfare Board Raebareli/District Welfare/Jharkhand	418,250.00		679,900.00
Bihar State Education Fin.Corp.	133,333.00		0.00
Director of Technical Education	416,000.00		0.00
Rural Development Grant Utilised	0.00		4,091.00
Central Sector Scholarship Scheme (MOSJE)	334,060.00	2,208,634.00	822,180.00
TOTAL (c)		2,208,634.00	1,740,171.00
NET BALANCE AS AT THE YEAR END (a+b-c)		3,720,549.38	3,281,815.38
FINANCE OFFICER	DIRECTOR	PRESIDENT	

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019			
SCHEDULE - 4 - DEFERRED CREDIT LIABILITIES		AMOUNT (₹)	
		CURRENT YEAR	PREVIOUS YEAR
Others - Research Grants - Opening Balance			5,627,359.75
Add : Interest Received During the year		242,491.00	91,975.00
Add : Received During the year		6,664,416.00	8,699,383.00
Less : Refunded During the year		290,311.00	409,246.00
Less : Utilized During the year		7,083,655.07	7,931,709.75
			14,418,717.75
BALANCE GRANTS REPRESENTED BY :			
- CSIR - Ph D Scholarship		91,464.00	91,464.00
- Council of S&T Thermal Regulation of Photovoltaics (PV) Cells		45,912.00	43,746.00
- DST Grant Seed Division		45,959.00	43,791.00
- DAE Study of Information on Theoretical Measures on Variables		154,024.00	312,432.00
- SERB New Nano - Dev. Of New Polymeric Materials		0.00	8.00
- GECKO India Pvt. Ltd		94,456.00	90,000.00
- Expected Inactivity Time having Application in Reliability		65,574.00	65,574.00
- SERB Grant for Studies on three dimensional fracturing		27,033.00	25,758.00
- Luminescent Carbon Nano Pipe		307,210.00	0.00
- SERB Grant for Investigating the Catalytic Activity of Nanocatalyst		0.00	53.00
- SERB Grant for Source Rock Evaluation of Lignite Deposits		49,601.00	191,761.00
- SERB Grant for Study of Total Moan Capture for Potential Double Beta		242,388.00	230,952.00
- Development of Polymeric Liquid Based Silicate Muds		4,168.00	654,770.00
- Development of Polymer Coated Nanoparticle Stabilized Foams		435,194.00	290,446.00
- DAE Grant for Distribution of Uranium & Associated Quality parameters		540,868.00	845,837.00
- Fellowship Grant for Simulation of artificial fracture prop. in Geothermal		0.00	129,361.00
- Grant received from inocule Pvt Ltd for Development of Polymeric Material		0.00	216,495.00
- National Post Doctoral Fellowship		0.00	92,324.00
- Development of Functional Hydrogel Systems		413,342.00	0.00
- Membrane Solvent Extraction Process		2,607,272.00	0.00
- Miscellaneous Grant		314,000.00	0.00
- SERB Grant for well Posing formulations and operator splitting technique		59,711.00	280,147.00
- SERB Grant for Energy storage protection using Vanadium redox batteries		23,227.00	179,346.00
- NHRM Information Theoretic Measures for Truncated Random Variables		846.00	806.00
- SERB on Development of Nano Particle Reinforced Multi Network Hydrogels		88,453.93	2,292,691.00
TOTAL		5,610,702.93	6,077,762.00
NOTE : Amounts due within one year		5,610,702.93	6,077,762.00

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019			
SCHEDULE - 5 - CURRENT LIABILITIES & PROVISIONS			AMOUNT (₹)
A. CURRENT LIABILITIES			PREVIOUS YEAR
1. Sundry Creditors			
a) For Goods/Services	192,068,065.76		177,740,982.00
b) Others	227,026,638.00	419,094,703.76	211,876,869.00
2. Advance Fees Received from Students		18,500,598.00	14,554,900.00
3. Statutory Liabilities :			
3. Statutory Liabilities :	0.00		8,403.00
b) Others	4,991,733.00	4,991,733.00	2,884,384.00
4. Other Current Liabilities			
a) Preliminary Fund - Bangalore (Opening Balance)	200,000,000.00		
Received during the year	300,000,000.00		200,000,000.00
Less (Add) : Refunds	0.00		0.00
b) Alumni Fund	1,058,000.00		833,100.00
c) Student Welfare Fund	358,058.00		273,558.00
d) Retention Money of Vendors	35,879,998.00		21,198,211.00
e) Earnest Money Deposit/Security Deposit	7,582,622.70		5,496,700.70
f) Security Deposit from Students	3,133,500.00		2,530,200.00
g) Scholarship & Stipend Payable to P.H.D. Students	466,961.00		0.00
g) Due to Staff	0.00	46,479,139.70	30,356,617.70
TOTAL (A)		989,066,174.46	637,422,155.70
B. PROVISIONS			
1. Gratuity			11,873,055.00
2. Provision for Doubtful Debts		14,435,041.00	4,180,008.00
3. Accumulated Leave Encashment		4,180,008.00	15,971,114.00
4. Provision against Building Construction at JAIS		20,654,850.00	226,653,046.00
5. Provision against Arbitration Award		226,653,046.00	0.00
6. Provision against PMC Fess JAIS		0.00	22,105,600.00
TOTAL (B)		22,105,600.00	280,782,823.00
TOTAL (A+B)		1,277,094,719.46	918,204,978.70
 FINANCE OFFICER  DIRECTOR  PRESIDENT			

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)									
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS									
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019									
SCHEDULE - 6 - FIXED ASSETS									
DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK		
	COST AS AT BEGINNING OF THE YEAR	ADDITIONS DURING THE YEAR	DEDUCTIONS / LESS DURING THE YEAR	COST AT THE YEAR-END	AS AT BEGINNING OF THE YEAR	DURING THE YEAR	ON DEDUCTIONS ADD DURING THE YEAR	TOTAL UP TO THE YEAR-END	AS AT THE CURRENT YEAR-END
A. FIXED ASSETS - TANGIBLE									
1. LAND									
a) Freehold - Jain	44703297	0	0	44703297	0	0	0	0	44703297
b) Freehold - Assam	6097535	0	0	6097535	0	0	0	0	6097535
c) Lease Hold Land - Bangalore	150	0	0	150	0	0	0	0	150
2. BUILDINGS									
a) On Freehold Land	3577471937	0	69704626	3507767311	141821439	93014635	2066313	233671761	3274095550
3. PLANT & MACHINERY									
a) General Equipment	171990389	0	0	171990389	25492274	17199039	0	42691313	129299076
b) Automobiles	91627855	0	0	91627855	13581006	9162786	0	22743792	68844063
c) Lab Equipments - Jain	60125695	33546688	0	93671384	28278277	6896967	0	35125244	58546140
d) Lab Equipments - Assam	0	181366	0	181366	0	99	0	99	181267
e) Fire Fighting System	54944027	0	0	54944027	8143759	5494403	0	13638162	41305865
f) Telecommunication Network	52282473	1775900	0	54058373	34875	5891241	0	5926116	53132257
4. VEHICLES									
a) FURNITURE, FIXTURES	13318911	0	0	13318911	10168182	1331891	0	11500073	1818838
Bacharelli	25674619	57797234	0	83471853	20827147	3245813	0	24072960	59398803
Banglore	450374	0	0	450374	10459	45037	0	55496	394878
Assam	1745411	5257344	0	7002755	740058	303211	0	1043269	5959486
6. OFFICE EQUIPMENTS									
7. COMPUTER PERIPHERALS									
Bacharelli/ MOIDA	53005301	633713	0	53639014	48391545	1738511	0	50130056	3508958
Assam	274900	183750	0	458650	189364	18241	0	207605	251045
Banglore	318267	373010	0	691277	29503	83419	0	112922	578355
Building Management System	46814361	0	0	46814361	13877572	4681436	0	18559008	28255353
8. ELECTRIC EQUIPMENTS									
Bacharelli	184092148	5677181	0	189769329	36252185	18248370	0	84500555	135268774
Assam	232472	283740	0	516212	96996	30519	0	136515	379607
9. LIBRARY BOOKS									
10. OTHER FIXED ASSETS	12766602	664291	0	13433893	6895483	1368094	0	8173577	5260516
11. HOSTEL EQUIPMENTS	987385	4264442	0	5251827	360827	99860	0	460687	4791140
12. FINED ASSETS - INTANGIBLE	2995786	0	0	2995786	2990176	5578	0	2995754	32
1. PATENT & COPYRIGHTS	449076	0	0	449076	0	0	0	0	449076
TOTAL OF CURRENT YEAR	449764698	110637659	70039019	4450363338	359477770	169960280	2334208	527113342	392324996
PREVIOUS YEAR	4358700982	70028446	18964730	4499764698	181624791	171521057	-6281422	359477270	4650287428
FINANCE OFFICER					DIRECTOR		PRESIDENT		

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)										
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS										
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019										
SCHEDULES - 6 - FIXED ASSETS										
DESCRIPTION	GROSS BLOCK					DEPRECIATION			NET BLOCK	
	COST AS AT BEGINNING OF THE YEAR	ADDITIONS DURING THE YEAR	DEDUCTIONS DURING THE YEAR	COST AT THE YEAR-END	AS AT BEGINNING OF THE YEAR	DURING THE YEAR	ON DEDUCTIONS ADD DURING THE YEAR	TOTAL UP TO THE YEAR-END	AS AT THE CURRENT YEAR-END	AS AT THE PREVIOUS YEAR-END
CAPITAL WORK - IN - PROGRESS										
A - JAIS PROJECT										
Communication Network	1775900	0	1775900	0	0	0	0	0	0	1775900
Fixed Assets	0	8324595	0	8324595	0	0	0	0	8324595	0
Lab Equipment	0	28177525	0	28177525	0	0	0	0	28177525	0
Building Under Construction	0	69704626	0	69704626	0	0	0	0	69704626	0
Swami Vivekanand Statue	885000	0	0	885000	0	0	0	0	885000	885000
TOTAL - A	2660900	106206746	1775900	107091746	0	0	0	0	107091746	2660900
B - ASSAM PROJECT										
Project Management Expenses	25015332	1542257	0	26557589	0	0	0	0	26557589	24015332
Project Management Fees	25016040	0	0	25016040	0	0	0	0	25016040	25016040
Civil Work In Progress	252167402	4249325	0	256416827	0	0	0	0	256416827	252167402
Secured Advance Against Material	4283855	0	0	4283855	0	0	0	0	4283855	4283855
TOTAL - B	306482729	5791582	0	312274311	0	0	0	0	312274311	306482729
C - BANGLORE PROJECT										
Project Management Expenses	2106953	8269165	0	10376118	0	0	0	0	10376118	2106953
TOTAL - C	2106953	8269165	0	10376118	0	0	0	0	10376118	2106953
TOTAL CWIP (A+B+C+D)	311250682	120267493	1775900	429743175	0	0	0	0	429743175	311250682
GRAND TOTAL	4721015280	230905152	71814919	4800105513	359477270	169960280	2324208	427113342	4352992171	4361538010
PREVIOUS YEAR GRAND TOTAL	4622985855	125927433	278986008	4721015280	381674791	171521057	-6281422	359477270	4361538010	4441310649

Dr. Anant
FINANCE OFFICER

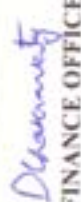
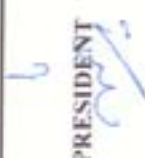
Rajiv
DIRECTOR

6
PRESIDENT

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019			
		AMOUNT (₹)	
SCHEDULE - 7- INVESTMENTS - EARMARKED/ ENDOWMENT FUND		CURRENT YEAR	PREVIOUS YEAR
1. In Government Securities		0.00	0.00
2. Other Approved Securities		0.00	0.00
3. Shares		0.00	0.00
4. Debentures and Bonds		0.00	0.00
5. Subsidiaries and Joint Ventures		0.00	0.00
6. Others (Fixed Deposits)		0.00	0.00
		2,400,000.00	2,400,000.00
TOTAL		2,400,000.00	2,400,000.00
SCHEDULE - 8- INVESTMENTS - OTHERS		AMOUNT (₹)	
		CURRENT YEAR	PREVIOUS YEAR
1. In Government Securities (RBI Bonds - Not marketable)		0.00	0.00
2. Other Approved Securities		0.00	0.00
3. Shares		0.00	0.00
4. Debentures and Bonds		0.00	0.00
5. Subsidiaries and Joint Ventures		0.00	0.00
6. Others		0.00	0.00
TOTAL		0.00	0.00
 FINANCE OFFICER  DIRECTOR  PRESIDENT			

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019			
	AMOUNT (₹)		
SCHEDULE - 9 - CURRENT ASSETS, LOANS & ADVANCES	CURRENT YEAR	PREVIOUS YEAR	
A. CURRENT ASSETS :			
1. Inventories			
a) Stores and Spares (Stationery Items)	480,957.00	142,515.95	
b) Stock of Lab Consumables	0.00	0.00	
c) Stock of souvenir	0.00	0.00	
d) Stock of Civil and Electrical Materials	598,647.00	200,535.00	
e) Stock of Computer/ IT Consumables	68,742.00	124,939.64	
f) Stock of Diesel	450,127.00	135,464.00	
g) Stock of Office Consumables	13,827.00	56,932.26	660,386.85
2. Sundry Debtors			
a) Debts Outstanding for a period exceeding six months	0.00	35,400.00	
b) PRS recoverable from NCCL	153,087,877.00	153,087,877.00	
c) Other Debts (Receivable against Workshop/ Training Program)	1,904,139.00	1,412,022.00	154,535,299.00
3. Cash Balances in Hand (including Cheques/Drafts and imprest)			
		9,624.00	6,438,056.00
4. Bank Balances			
a) With Scheduled Bank :			
- on Current Accounts	1,048,867.34	6,252,929.24	
- on Deposit Accounts	6,705,478,677.00	6,602,359,689.00	
- on Savings Accounts	2,084,581,248.48	1,710,890,884.66	
b) With Non - Scheduled Bank :	0.00	0.00	8,319,503,502.90
TOTAL (A)		8,947,722,732.82	8,481,137,244.75
FINANCE OFFICER	DIRECTOR	PRESIDENT	

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019			
SCHEDULE - 9 - CURRENT ASSETS, LOANS & ADVANCES			AMOUNT (₹)
B. LOANS, ADVANCES AND OTHER ASSETS :		CURRENT YEAR	PREVIOUS YEAR
1. <u>Loans:</u>			
a) Staff - Advance for Activity	73,592.00	415,000.00	415,000.00
b) Others	0.00	0.00	
2. <u>Advances and other amounts recoverable in cash or in kind or for value to be received:</u>			
a) On Capital Account	43,845,385.00	28,479,787.00	
b) Prepayments	9,039,671.84	4,512,605.00	
c) Security Deposits Paid	5,837,283.00	5,584,331.00	
d) Others	76,830,317.00	62,918,139.00	101,494,862.00
3. <u>Income Accrued:</u>			
a) On Investments from Earmarked/Endowment Funds	0.00	26,827.00	
b) On Investments-Others	130,775,146.00	232,881,040.00	
c) On Loans and Advances	0.00	1,488,942.00	
d) Others - Student Fees Due	75,000.00	100,000.00	234,496,809.00
4. <u>Claims Receivable:</u>			
		0.00	0.00
TOTAL (B)		266,476,394.84	336,406,671.00
TOTAL (A+B)		9,214,199,127.66	8,817,543,915.75
 FINANCE OFFICER  DIRECTOR  PRESIDENT			

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			
SCHEDULE - 10 - FEES/SUBSCRIPTIONS	AMOUNT (₹)		
	CURRENT YEAR	PREVIOUS YEAR	
1. Entrance Fees	797,938.05	845,300.00	
2. Annual Fees/Subscription	83,331,062.00	65,006,600.00	
3. Seminar/Program, Training & Workshops	4,864,698.00	9,516,268.00	
4. Sponsorship / Scholarship	901,900.00	508,000.00	
5. Others	204,571.90	290,646.00	
TOTAL	90,100,169.95	76,166,814.00	
<i>Dr. Anurag</i> FINANCE OFFICER	<i>[Signature]</i> DIRECTOR	<i>[Signature]</i> PRESIDENT	

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			
SCHEDULE - II - INTEREST EARNED	AMOUNT (₹)		
	CURRENT YEAR	PREVIOUS YEAR	
1) On Term Deposits :			
a) With Scheduled Banks	428,607,139.00	370,620,790.00	
b) With Non-Scheduled Banks	0.00	0.00	
c) With Institutions (Govt. of India Bond)	0.00	0.00	
d) Others	0.00	0.00	370,620,790.00
2) On Savings Accounts :			
a) With Scheduled Banks	2,394,631.00	1,398,448.00	
b) With Scheduled Banks in Sweep A/c	58,613,862.05	89,267,082.00	
c) With Non-Scheduled Banks	0.00	0.00	
d) With Institutions	0.00	0.00	
e) Others	0.00	0.00	90,665,530.00
Less : Transfer to Capital Fund			461,286,320.00
a) Capital Fund Raebareli	1,670,477.00	64,028,498.00	
b) Capital Fund Assam	2,354,863.00	17,433,902.00	
c) Capital Fund (Grant OADB)	18,726,226.14	11,352,215.00	
d) Bank Guarantee Invoked	15,145,027.00	2,827,586.00	
e) Depreciation Fund	13,162,456.00	13,286,448.00	
f) Project Management Expenses Bangalore	0.00	8,933,278.00	
g) Earmarked Fund - Chevron Scholarship Grant	552,158.00	160,036.00	
h) Deferred Credit Liabilities - DST Grants	242,430.00	91,975.00	118,113,938.00
3) On Loans			343,172,382.00
a) Employees/Staff	0.00	0.00	
b) Others- Interest on IT Refund	99,210.00	0.00	0.00
4) Interest on Debtors and Other Receivables		283,608.00	283,608.00
TOTAL	438,144,812.91		343,455,990.00
FINANCE OFFICER	DIRECTOR	PRESIDENT	

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			
SCHEDULE - 12 - OTHER INCOME	AMOUNT (₹)		
	CURRENT YEAR		PREVIOUS YEAR
1. Profit on Sale/Disposal of Assets			
a) Owned Assets	0.00	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		4,061,252.92	2,675,905.81
4. Miscellaneous Income		1,244,909.90	86,110.00
TOTAL		5,306,162.82	2,762,015.81
<i>Draswamy</i> FINANCE OFFICER	<i>R.R.</i> DIRECTOR	<i>i</i> PRESIDENT	

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)		
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS		
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019		
	AMOUNT (₹)	
SCHEDULE - 13 - ACADEMIC EXPENSES	CURRENT YEAR	PREVIOUS YEAR
Honorarium to Visiting Faculties	1,300,000.00	1,173,500.00
Book Grant, e-Journal Charges, Magazines & Academic Softwares	5,783,963.78	5,390,312.00
Convocation, Conference & Meeting Expenses	4,048,974.00	1,531,348.00
IIT-JEE Fees	590,000.00	450,000.00
IIM CAT-Fees	279,896.00	247,040.00
PAT Fees	30,864.00	0.00
Student Welfare	1,593,411.00	1,083,373.00
Hostel Rent & Mess Expenses	16,845,928.00	14,454,177.00
Scholarship & Stipend	8,820,153.00	8,476,934.00
Placement Brochure & Expenses	105,779.00	106,016.00
Workshop & Training	2,403,767.00	6,077,363.00
Cultural & Sports Activities	1,226,464.00	2,753,393.00
Rent & Electricity Charges	6,409,777.00	2,845,476.00
RGIPIT Scholarship	1,305,000.00	1,104,000.00
Repairs & Maintenance (Equipment)	4,572,541.00	2,451,858.00
Vehicle Running Expenses	4,885,315.00	1,754,881.00
Lab Charges and Printing & Stationery	1,772,578.00	1,455,243.00
Computer Running Expenses	318,351.64	280,069.36
In house Reserch Grant Expenses - Jais	939,292.00	0.00
Travelling & Conveyance Expenses (Academic)	753,363.00	187,478.00
Student Contingency/ Admission/ Orientation Expenses	715,749.00	631,594.00
Membership Fees	26,325.00	55,622.00
TOTAL	64,727,491.42	52,509,677.36
FINANCE OFFICER	DIRECTOR	PRESIDENT

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			
SCHEDULE - 14 - ESTABLISHMENT EXPENSES			AMOUNT (₹)
			PREVIOUS YEAR
a) Salaries & Allowances		107,350,142.00	96,989,718.00
b) Man Power Hiring		34,344,269.00	22,470,477.00
c) Contribution to Provident Fund, NPS & Others		7,754,219.00	7,833,453.00
d) Contribution to Other Fund		0.00	0.00
e) Staff Welfare Expenses		233,813.00	223,075.00
f) Provision on Employees Retirement and Terminal Benefits (Gratuity & Leave Encashment)		7,245,722.00	13,511,072.00
g) Others			
Honorarium		955,633.00	813,530.00
Medical Reimbursement		2,062,776.00	2,243,205.00
Relocation Expenses		127,548.00	113,572.00
TOTAL		160,074,122.00	144,198,102.00
 FINANCE OFFICER  DIRECTOR  PRESIDENT			

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS) NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			AMOUNT (₹)	
SCHEDULE - 15 - OTHER ADMINISTRATIVE EXPENSES	CURRENT YEAR	PREVIOUS YEAR		
Electricity and Power	34,290,784.00	31,442,699.00		
Repairs & Maintenance (Building & Other)	5,237,997.00	3,219,001.00		
Insurance	385,180.00	561,515.00		
Repairs and Maintenance (House Keeping & Office Expenses)	11,097,532.26	11,512,641.74		
Security Service Charges	22,090,682.00	21,316,232.00		
Rent, Rates and Taxes	11,485,779.00	7,960,152.00		
Vehicles Running and Maintenance	4,379,824.35	2,807,833.00		
Postage, Telephone and Communication Charges	2,928,885.08	2,092,194.00		
Printing, Stationary and Publication	1,043,609.26	2,714,178.05		
Travelling and Conveyance Expenses	5,108,989.00	6,734,118.00		
Recruitment Expenses	134,886.00	142,819.00		
Foreign Travel & Participation Fees Expenses	0.00	25,189.00		
Pre-Payment Auditors Remuneration	708,000.00	703,500.00		
Legal & Arbitration Expenses	21,762,805.00	13,540,598.00		
Interest on Late Payment & Penalties	11,192.00	50,773.00		
GST paid	2,262,679.83	184,694.00		
Conference, Meetings & Workshop Expenses	4,652,949.00	4,350,438.00		
Professional & Consultancy Charges	4,178,215.00	3,397,324.00		
Advertisement and Publicity	7,216,083.32	8,845,519.00		
Others (Guest House Expenses)	1,135,174.00	2,041,033.00		
Internal Audit Fees	0.00	141,600.00		
Bank Charges	132,521.01	78,515.53		
Sundry Balance Written Off	0.00	2,889.00		
Website Expenses	84,305.00	100,428.00		
CAG Audit Fees	150,000.00	150,000.00		
Inaugural Expenses - Bangalore	430,303.00	0.00		
JAIS Shifting Expenses	0.00	28,750.00		
Doctor Fees	926,452.00	1,512,936.00		
Recruitment & Promotion Policies Expenses	5,074,000.00	0.00		
Loss on sale of Asset	26,938.00	0.00		
Hindi Rajbhasha Parliamentary Meeting/ Hindi Workshop Expenses	351,401.00	72,377.00		
TOTAL	147,287,166.11	125,729,946.32		
FINANCE OFFICER	DIRECTOR	PRESIDENT		

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			
SCHEDULE - 16 - PRIOR PERIOD ADJUSTMENT	AMOUNT (₹)		
	CURRENT YEAR	PREVIOUS YEAR	
INCOME			
Scholarship Refund	24,000.00	27,000.00	
Excess Provision Written Back	127,932.27	182,892.00	
Room Rent & Fooding Charges	56,748.00	0.00	
Depreciation Written Back	2,066,313.00	0.00	
Others	58,700.00	3,450.00	213,342.00
EXPENDITURE			
Travelling /LTC Expenses	10,615.00	0.00	
Postage & Telephone Charges	5,250.00	0.00	
Book Grant & e-Journal	0.00	4,433,164.00	
House Keeping / Man Power Hire Expenses	68,533.00	127,029.00	
Provision against Doubtful Debts	0.00	4,180,098.00	
Salary/Stipend Exp/Scholarship/Medical	22,519.00	0.00	
Electricity Charges	0.00	10,637.00	
Professional & Consultancy	37,076.00	0.00	
Audit Fees	0.00	57,500.00	
NPS Contribution	17,064.00	0.00	
Faculty Car & Mobile	1,750.00	0.00	
Mess Charges	0.00	190,893.00	
Student Fees Refunded	0.00	87,200.00	
Depreciation	0.00	6,464,314.00	
Vehicle Hire Charges	0.00	9,000.00	
Lab Consumables	227,066.00	18,334.00	
Printing & Stationery	33,889.00	0.00	
Repair & Maintenance	78,082.00	0.00	
Overhead Charges Returned	0.00	31,129.00	15,609,208.00
NET PRIOR PERIOD EXPENDITURE	501,844.00		-15,395,866.00
	1,831,849.27		
FINANCE OFFICER	DIRECTOR	PRESIDENT	

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019

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.

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

4.3. Each Fixed asset costing Rs.5000/- and below is fully depreciated in the year of acquisition.

5. Depreciation Fund

A Depreciation Fund is created by transferring equivalent amount of depreciation (subject to excess of income over expenditure) 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. All 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 or non-tangible assets 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 OIIB / 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.

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.

Dr. Anurag

Dr. Anurag

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 and other financial obligation 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/items 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.



FINANCE OFFICER



DIRECTOR



PRESIDENT

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019**

SCHEDULE '18' – 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 31st March, 2019 are as follows:

1. The Receipt and Payment Account carries the amounts of actual receipts and actual payments of the institute during the year 2018-19. 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.
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, wherever applicable, to implement the recommendations of Government Audit on accounts of previous year.
6. 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 OADB / promoting entities for campus construction are grouped under "Capital Fund" in **Schedule 1** along with the interest and other amount earned if any. Amounts grouped under Corpus Fund in **Schedule 1** represent contribution received from Oil PSUs 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-tradable Govt. Securities from the Income & Expenditure Account.
 - No capital fund from Government Budgetary support was received during the year.
 - 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 the 'useful life' of the assets. Accordingly, Rs.16,99,60,280.00 being the depreciation charged during the year has been transferred to Deferred Revenue Income.

Dharmendra

[Signature]

- As per the recommendation of Audit, cost of unfinished buildings summing up to Rs.6,97,04,626.00 has been deducted from Buildings and included as capital work in progress.
- During the year 2017-18, 150 acres land was handed over by Karnataka Industrial Development Board to RGPT's Bangalore Center on lease of two years at the cost of Rs.150.00 which is disclosed under Fixed Assets (Land) – **Schedule-6** of the Balance Sheet.
- As no time extension has been approved to the Contractor M/s NCCL for not completing the project within schedule time as per contract, the full Price Reduction Schedule (PRS) of Rs. 31,33,51,873/- being 10% of the contract value plus other penalties, has been levied as per the terms of the contract (Contract Value Rs.301,54,01,252/-). The PRS amount recoverable has been added to the Capital Fund under **Schedule-1** during year 2016-17.

7. The provisions of Payment of Gratuity Act are applicable to the institute. Accordingly, based on Actuarial Valuation accumulated provision for Rs.3,50,89,891.00 has been made in the accounts towards retirement benefit for a) Gratuity and b) Leave Encashment which is reflected in accounts under **Schedule 5** – under Current Liabilities and Provisions as at 31.3.2019.

8. During the year excess of income over expenditure to the extent of the surplus interest lying invested in fixed deposit with banks amounting to total of Rs. 16,32,94,215.42 have been ploughed back to the Assam Corpus fund which has been reflected under Corpus Fund in **Schedule-1**.

9. As per the EFC 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 RGPT will confine its Jais Campus project in 47 acres of land only, as the acquisition of additional land by UPSIDC did not materialize. Consequent to this, the institute had applied to UPSIDC in 2015-16 for refund of advance payment of Rs. 185.00 Lakh made during previous years as per their demand, for acquisition of land. Out of the above, Rs. 143.00 Lakh was realized during the year and the balance of Rs.41.80 lakh is grouped under Loans & Advances on capital account. According to UPSIDC Rs.41.80 lakh is not payable since the amount is deducted against their standard deduction policy for land acquisition. RGPT is following up with UPSIDC for refund on the grounds that the acquisition of land did not take place hence there is no deduction applicable. Meanwhile provision for doubtful debt of Rs.41.80 Lakh has been made in books from 2017-18 which is reflecting under **Schedule 5 (B)**, on the recommendation of Audit.

10. 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 which is currently ongoing. Current Liabilities and Provisions includes Rs. 3,27,27,202.00, the unpaid balance amount against the value of work done by the contractor, (which is adjustable against the Institute's claim pending for adjudication under arbitration).

11. In the year 2013-14 the composite contract for Jais Campus project was awarded to M/s NCCL, Limited on a Contract value of Rs. 301,54,01,252/-. The contractor has completed the work and payment to the tune of Rs. 28,68,52,224.00 has been released (up to 49 RA Bill) till 31st March 2018 including escalation on recommendation of the PMC (M/s EIL). Based on the assessment of PMC the total

Dharwad

composite value of work done by NCCL is Rs.311,43,70,000/- . Accordingly, a provision has been made in books against building construction for Rs.22,66,53,046/- and PMC Fees to EIL for Rs. 2,21,05,600/- which is included under **Schedule 5**.

12. During the year 2017-18 RGPT has invoked the Performance Bank Guarantee of M/s. NCCL to the extent of Rs.20,38,49,233/- on 5.1.2018 since NCCL did not rectify various defects in the project, did not submit several documents and towards damages claim due to delay in completion of project and other payments. The Bank Guarantee amount is reflected under **Schedule-5** (Sundry Creditors – Others).

14. MoPNG in its meeting held on 14.2.2014 proposed to set up a centre of RGPT in the area of Fire Engineering, Safety and Energy Research at Bangalore. The foundation stone for this centre was laid at Kambalipura (Bangalore) by Minister PNG on 5.3.2014. Meanwhile a fund of Rs.2000 lakh has been paid by OADB to RGPT as an advance (vide letter No.4/15/2017-OADB dated 18.7.2017 for construction of compound wall and other miscellaneous project related expenses for setting up of Center of Excellence for Energy at Bangalore. During the year a further fund of Rs. 3000 lakh was paid by OADB to RGPT (vide letter No. J-25021/6/2017-Gen/CA dated 24.7.2018) to commence academic courses from temporary campus. Since the amount has been received as an advance the same has been reflected under **Schedule -5** under Current Liabilities.

15. Consequent to the erstwhile service tax notification 09/2016-ST dated 1.3.2016 and NCCL's letter dated 9.9.2016 for refund of service tax of Rs.1,89,64,730.00 to RGPT, necessary adjustment (reduction) of project cost and provision against building construction has been done to the extent of service tax paid during 2017-18.

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 31.3.2019 is un-ascertainable: -

(i) M/s Tejveer Singh had invoked arbitration claim for Rs. 1,49,41,814.00 plus interest in respect of civil work of boundary wall at Jais Campus, against which RGPT has lodged counter claim of Rs 52,62,280.00 plus interest. On 21.12.2016 the Arbitrator declared his award in favor of the Contractor for an amount of Rs.43,67,157/- only along with the simple interest of 9% if settlement is delayed beyond one month by institute. In this context RGPT has filed a petition u/s 34 of Arbitration and Conciliation Act in the District Judge Court at Rae Bareilly on 17th March 2017 to set aside the arbitration award. Due to the above circumstances the Contingent Liability now stands revised to Rs.43,67,157 plus interest of Rs.9,17,103/- up to 31.3.2019.

(ii) Arbitration instituted by M/s Punj Lloyd from 26.8.2013 for Rs. 73,88,92,012.00 plus interest @18% of Rs.75,36,69,852/- accrued up to 31.3.2019 in respect of Civil and Structural Work of RGPT Campus in Jais, against which RGPT has lodged counter claim on 29.1.2014 of Rs. 58,99,55,835/- plus interest @ 18% amounting to Rs.55,75,08,264/- accrued up to 31.3.2019. The arbitration is ongoing.

(iii) M/s NCCL has instituted arbitration claim on RGPT in respect of composite contract for construction of buildings at Jais for Rs.126,94,98,580/- on 9.10.2017 plus interest of 18% which is Rs.34,27,64,617/- and GST @ 18% which is Rs.22,85,09,744/- RGPT has raised a counter claim of Rs.2,17,93,253.00 plus interest @ 12% which is Rs.39,22,785/- as at 31.3.2019. The arbitration is ongoing.

31

D. V. V.

m/s

Signed on : 25/05/2019

(iv) M/s. Simplex Infrastructure has lodged arbitration claim of Rs.6,53,35,670/- plus interest of 18% which is Rs.3,23,41,157/- accrued as on 31.3.2018 on RGPT in respect of piling work at Sivasagar Assam during July 2016. RGPT's counter claim is Rs.13,21,044/-. The arbitration is ongoing.

(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 31.03.2019.

18. Capital Commitments

a) RGPT has received a sum of Rs.100 crore from GBS for procurement of equipment and furniture at Jais during 2017-18. Amount already incurred from the amount is Rs.27.40 crore as on 31.3.2019. Balance capital commitment is of Rs.72.60 crore.

b) Construction of boundary wall of Rs.5.80 crore on 150 acres of Land at Bangalore by M/s Nirmithi Kendra (Karnataka).

c) Construction of Central Workshop building and allied facilities by CPWD at Sivasagar (Assam) for Rs. 2.90 crore.


FINANCE OFFICER


DIRECTOR


PRESIDENT

सीएजी का प्रतिवेदन

2018-19



संख्या: एआय-11/Acs /RGIT/103-11/2019-20/
भारतीय लेखा तथा लेखापरीक्षा विभाग
कार्यालय प्रधान निदेशक वाणिज्यिक लेखापरीक्षा
एवं पदेन सदस्य लेखा परीक्षा बोर्ड-II
नई दिल्ली

INDIAN AUDIT & ACCOUNTS DEPARTMENT
OFFICE OF THE PRINCIPAL DIRECTOR 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 गांधी पेट्रोलियम प्रौद्योगिकी संस्थान के वर्ष 2018-19 के लेखों पर पृथक
लेखापरीक्षा प्रतिवेदन।

महोदय,

मैं, राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान के वर्ष 2018-19 के लेखों पर पृथक
लेखापरीक्षा प्रतिवेदन (अंग्रेजी) तथा वार्षिक लेखाओं की प्रति प्रेषित कर रही हूँ। इस सम्बन्ध 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,

हो
(प्राची पाण्डेय)

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

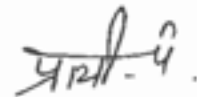


संलग्नक:- यथोपरि।

संख्या एमएच-11/Acs /RGIP/103-11/2019-20 /293

दिनांक: 11-10-2019

पत्र की प्रति, सचिव, भारत सरकार, पेट्रोलियम और प्राकृतिक गैस मंत्रालय, को जारी की गई पृथक लेखापरीक्षा प्रतिवेदन की प्रति सहित अध्यक्ष, राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान रायबरेली को प्रेषित की जाती है।



(प्राची पाण्डेय)

प्रधान निदेशक याणिज्यिक लेखा परीक्षा
एवं पदेन सदस्य, लेखा परीक्षा बोर्ड-II
नई दिल्ली

संलग्नक:- यथोपरि।

Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Rajiv Gandhi Institute of Petroleum Technology, Jais Amethi for the year ended 31 March 2019.

1. We have audited the attached Balance Sheet of Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais Amethi as on 31 March, 2019 and the Income and Expenditure Account/Receipt & 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 came 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 disclosures norms etc. Audit observations on the financial transactions with regard to compliance with the law, Rules and Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc. If any, are reported through Inspection Report / CAG's Audit report separately.

3. We have conducted our audit in accordance with auditing standards 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 examination, on test basis, evidences supporting the amounts and 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.

- II. The Balance Sheet and Income and Expenditure Account/ Receipt & 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 account and other relevant records have been maintained by RGIPT in so far as it appears from our examination of such books.
- IV. We further report that :

Comment on Accounts:

A. Grant in Aid

As per the information submitted by the Institute, it was having unspent balance of Capital Grant amounting to ₹ 170.70 crore at the end of the year 2017-18. During the year 2018-19, the Institute did not receive any Capital Grant. However, it earned interest of ₹ 2.28¹ crore on unspent balance of Capital Grant and utilized ₹ 16.12 crore towards addition of assets/CWIP, during the year. Accordingly, the unspent balance of Capital Grant works out to ₹ 156.86 crore as on 31 March 2019. However, as per the Financial Statements, closing balance of Grant unutilized works out to ₹ 134.31 crore (Capital Fund ₹ 622.32 crore minus Gross Block ₹ 488.01 crore).

Institute stated (September 2019) that initially in the years 2008-09 and 2009-10, Revenue expenditure was also got considered while calculating Capital Grant utilization and accordingly, reconciliation of the difference would require to be done from the year 2008-09. Further, it assured to reconcile the difference in the amount of unutilized Capital Grant during the FY 2019-20.

- V. Subject to our observation 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 the accounting principles generally accepted in India.

¹ Institute has shown interest earned as ₹ 3.79 crore including ₹ 1.51 crore on account of Bank Guarantee invoked. However, the Institute has shown the BG Invoked under Current Liabilities (Schedule – 5). Accordingly, the same has been deducted from the interest earned.

- a. In so far as it relates to the Balance Sheet, of the state of affairs of the Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, Amethi as at 31 March 2019; and
- b. In so far as it relates to the Income and Expenditure Account, of the surplus for the year ended on that date.

For and on behalf of the
Comptroller and Auditor General of India



(Prachi Pandey)
Principal Director of Commercial Audit
& Ex-officio Member, Audit Board-II
New Delhi

Place: New Delhi

Date:

Annexure to SAR

1. Adequacy of Internal Audit System

Internal Audit manual has been prepared by the Institute. Internal Audit up to September 2018 was carried out by a chartered Accountant firm. Thereafter, internal audit is being carried out by the Institute's own internal audit team.

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 RGIP Act of the parliament.

3. System of Physical Verification of Assets

Physical verification of the fixed assets for the year 2018-19 has been carried out and no discrepancy has been found.

4. System of Physical verification of inventory

The physical verification of inventory was carried out by management and no discrepancy has been found.

5. Regularity in payment of Statutory dues

There was no statutory due outstanding against Institute for the year 2018-19.



Deputy Director



राजीव गाँधी पेट्रोलियम प्रौद्योगिकी संस्थान

Rajiv Gandhi Institute of Petroleum Technology

वार्षिक प्रतिवेदन **ANNUAL REPORT**



2018-2019

राष्ट्रीय महत्व का एक संस्थान
An Institution of National Importance

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Chapter 1

Director's Report



I am privileged to present the Annual Report of RG IPT for the academic year 2018-19. It has been a year where simply by focusing on our objectives we could overcome some serious challenges.

RG IPT has been established by an Act of Parliament by the Ministry of Petroleum and Natural Gas, Govt. of India, as an "Institute of National Importance" on the lines of IITs. RG IPT is the first Centrally Funded Technical Institute in the country that has been set-up in the domain of Petroleum and Energy. It has been created to set a new benchmark of education and research related to upstream and downstream and allied areas of Petroleum Engineering in the country. RG IPT is co-promoted by the six National Oil PSUs in association with Oil Industry Development Board.

I would like to inform that this new campus has been built with the Government of India budgetary support of over Rs. 370 crores. The state-of-art new campus is built on 47 acres of land having facilities to accommodate 1100 students. The campus includes two academic buildings with 16 lecture rooms and 20 teaching and research laboratories, in-campus residential complex, provision for commercial complex, health center, guest house, play facilities, hostels and this glorious auditorium. In our effort to save energy, solar panels are installed on the roof of both the academic buildings as per the MNRE guidelines.

To further supplement the academic endeavors of RG IPT, two more centers were established at Sivasagar, Assam and Bengaluru. The Sivasagar, Assam center is set up to provide skill development training and diploma and advanced diploma level degrees in areas pertaining to oil and gas, whereas the Bangalore center is established for commercialization of technology, consultancy services, promote entrepreneurship and translational research. Currently, the Assam center is offering three-year Diploma programmes in Chemical Engineering, Petroleum

Engineering and Piping Engineering with an intake of 30 students in each discipline. The Bangalore Energy Institute is currently offering M.Tech. programmes in Renewable Energy, Power and Energy Systems Engineering and Energy Science and Technology with intake of 12 students in each discipline.

Few Initiatives and Achievements

Currently, RGIPT Jais is offering 2-Undergraduate Programme (B. Tech. in Petroleum and Chemical Engineering), 3-Postgraduate (M. Tech. in Petroleum & Chemical and M.B.A.) and Doctoral programmes in various disciplines of Engineering, Sciences, Humanities and Management.

RGIPT is consciously in pursuit of meeting the industry expectations from the fresh graduates. An empowered committee is currently working on the revision of the syllabus (based on industry inputs) for UG & PG programmes in order to promote capacity building in competencies required by the hydrocarbon and energy sectors. The institute has focused on inculcating accelerated research as a habit of innovation, nurturing a culture of entrepreneurship, and invoking synergy through collaborations. We have initiated extensive efforts for- harboring cooperation with hydrocarbon industries, and strengthen our bonds with peer elite institutions. RGIPT ensures a regular exposure to the students through- industry visits to oil refineries of PSUs and various R&D facilities. The institute also arranges periodic field trips for students to earn learning in real-time.

Training & Placement

During 2018-19, the placement activities for the UG-PG students for the year 2018-19 witnessed participation 15 companies in the campus recruitment. Further, many companies recruited off-campus. A fraction of students continued to show interest in higher studies. Several firms from energy, services, consulting and manufacturing sectors visited the campus for offering placement to graduating students, which also included national Oil PSUs.

Students

At the RGIPT the students are focused on academics and are ever ready to leave an imprint on a global scale with their repertorium of knowledge and skills, and this is evident from our awards and achievements. This year, the students have won the best poster award in BARC-IIT Gandhi Nagar joint conference. In 2019, our student Waquar Kaleem was titled as an S.N Bose Scholar being the only petroleum engineering student from India to undertake a research project at Penn State University, USA. He was also awarded the DAAD WISE fellowship to undertake his project work at TU Clausthal, Germany. Two of our students, Anand Kumar and Mrigya Fogat got selected for the 4th World Petroleum Council Mentoring Program and were among the 5 Indians to represent India at the Future Leaders Forum in Saint Petersburg, Russia. Our students Saurah Tiwari and Waquar Kaleem bagged the 1st and 3rd prize in PG and UG categories respectively at SPE South Asia Regional Student Paper Contest held at the SPE Oil and Gas India Conference. Waquar Kaleem and Mrigya Fogat were graciously felicitated with the L Austin Weeks Undergraduate Award by the American Association of Petroleum Geologists. Aditya Singh and Pranjal Maheshwari represented RGIPT at the New generation Ideation Contest organized by HPCL, Bangalore. Girish Joshi now our alumni got selected for the International Petroleum Technology Conference 2019 being among the 70 students from top geosciences universities from 23 nations and bagged Second runner-up position in the Group Presentation at the IPTC Education Week. Four of our students, Anshuman, Jugraj, Kartikey, and Satyam, were invited to the 9th World Petro Coal Congress as a Student Delegate and One of our student Akash Deep Mishra presented his paper at the Petrotech International Conference held in Delhi.

While our students strive for academic excellence, they are also sensitive towards society and do things that touch people and communities – they run a social initiative club, called ARPAN. The greatest barrier to development is illiteracy.

Faculty

The growth of any academic institution is reliant on the research and teaching efficiency of its Faculty members. RGIPT is blessed with a talented pool of 31 faculty members. All are PhDs from leading institutions like IITs, BHU, Minnesota, Tennessee, University of Pennsylvania, Kansas State, Max Plank Germany with some having Post-Doctoral experience. Furthermore, many experts from industry visit the Institute to deliver guest lectures and for motivating the students. The Institute also encourages exchange visits of faculty members to acclaimed institutes for professional growth. One of our faculty members visited the Division of Mathematical Physics, Lund University, Sweden for pursuing collaborative research work in Nuclear Physics. Another faculty recently visited University of Alberta, Canada as a visiting faculty research and contributed in the ongoing research work on CO₂ based EOR and sequestration applications.

Conferences and Short Term Courses

Five consecutive two-week program on 'Refining Technology' was organized by RGIPT for the newly promoted Chemical Engineers of Indian Oil Corporation.

A two-day Training Program was conducted on Advanced Refining Technology for 25 Process Engineers of BPCL Kochi Refinery.

Two Programs on International Trade and on Refinery Economics and Margin Improvement was successfully conducted for middle level Managers of the Oil Industry.

Research Scholars Day 'Pratishti 2018' was organized in the campus along with a two day 'Winter School' on Digital Transformation in Oil and Gas Industry.

An International Conference on Emerging Challenges and Opportunities in Energy Sector was organized by the Department of Management Studies.

A remarkable achievement of the Institute has been the organization of Three day International Conference on "Unconventional Energy Resources". The Conference was attended by many luminaries in the field and was sponsored by ONGC and IOCL.

Institute also conducted a seminar cum workshop on the topic "Sexual Harassment Free Society: Utopian?" These conferences are highly useful for the students to understand the situations of the present society.

Research Activities

The research at RGIPT has been always a core activity, since inception. The institute caters to actively involve B. Tech students also in various on-going research activities along with the M. Tech and Ph. D students, as the research environment here is very dynamic at every level. As a result of this, our B. Tech students have published their works in the journals including Journal of Physical Chemistry C and Chemistry Select and filed one Indian Patent as well. The faculty members have published 3 books and more than 140 papers in last three years. This year since February faculty members have published a total of 21 papers, 09 book chapters and 08 conference proceedings, which is comparable to any of the elite institutions. The research articles from RGIPT have been

published by the internationally reputed publishers such as: American Chemical Society, Royal Society of Chemistry, Elsevier, Wiley Interscience and Springer etc. Our faculty members have been invited to deliver lectures both at nationally and internationally. Currently, 10 externally funded research projects from DST, DAE, CSIR etc. are ongoing. This year itself 04 externally funded research projects from CSIR and SERB have been received by the faculty members. RGIPT has also initiated the in-house project funding to support the research activities of faculty members. Under this scheme 15 projects are currently running with the total cost of -01 crore rupees.

RGIPT has recently signed MoUs with IIT Kanpur, IIT Bombay, IIT Roorkee, IIT Guwahati, CSIR-IICT and CSIR-CIMFR for research and academic collaboration. The director, RGIPT, and faculty members have visited and made presentations at various R&D centres of oil & gas PSUs to expedite the Industry-Academic collaboration. The institute has also signed MoU with IOCL for training their Officials for next three years.

Research Facility & Infrastructure

RGIPT has created a separate lab space for central research facility to accommodate more than 15 high-end instruments. Since last one year, numerous analytical instruments such as NMR, High Pressure Adsorption System, High Pressure Reactor, Bio-oxidation Stabilizer, TGA, XPS, High Speed Camera, Flow Battery Station and TCSPC have been installed at various laboratories. The institute has also initiated the procurement of 16 more new equipment including TEM, Pulse Chemisorption & Desorption, ICP-OES, AFM, SAXS and Raman Spectrometer.

Library

The RGIPT central library is fully computerized with a large and ever growing collection of books. Currently, more than 8000 books covering engineering, science, humanities and social science are available in the library. Currently, we are in the process to create the text book bank for the students in the library. A total of 15 printed journals, 14 magazines and access to over 30,000 full text online journals are available in the library. Campus wide internet connectivity provides students access to online library resources such as Infraline, EBSCO, Emerald, American Chemical Society (ACS), One Petro, SEG, AAPG etc. Library remains open from 10 AM to 12 midnight on all working days. During the examinations library remains open round the clock.

Thank you all very much.

Jai Hind!

Professor A S K Sinha

Chapter 2

Organizational Structures

General Council

CHAIRPERSON

Secretary

Ministry of Petroleum & Natural Gas, Govt. of India

MEMBERS

Chairman & Managing Director

Oil and Natural Gas Corporation Limited

Chairman

Indian Oil Corporation Limited

Chairman & Managing Director

Bharat Petroleum Corporation Limited

Chairman & Managing Director

Hindustan Petroleum Co. Ltd.

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

Director General of Hydrocarbons

Principal Advisor (Energy)

Niti Aayog

Executive Director

Oil Industry Safety Directorate

Secretary

Oil Industry Development Board

Director

IIT Kanpur

Director

Institute of Chemical Technology, Mumbai

President

BoG, RGIPT

Director

RGIPT

Board of Governors

PRESIDENT

Prof. K. B. Akhilesh

Professor – Dept. of Management Studies, IISc Bangalore

MEMBERS

Prof. P. K. Bhattacharya

Director, RGIPT

Shri Prabhat Singh

CEO & MD, Petronet LNG

Dr. D. Ramakrishnan

Professor, IIT Bombay

Prof. P K Bharadwaj

Professor, IIT Kanpur

Shri M. B. Lal

Former C&MD, HPCL

Shri P. K. Joshi

Director (HR), HPCL

Prof. Pritam Singh

Former Director, IIM Lucknow & MDI, Gurgaon

Dr. Pradip Kumar Singh

Director, CSIR – Central Institute of Mining & Fuel Research

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Prof. V. P. Sharma

Dept. of Petroleum Engg., IIT (ISM) Dhanbad

Prof. B. V. Phani

Department of Industrial and Management Engg., IIT Kanpur

Prof. D. Tiwary

Dept. of Chemistry, IIT BHU

Prof. Chiranjib Bhattacharjee

Department of Chemical Engineering Jadavpur University, Kolkata (W.B.)

Prof. Aparna Mehara

Department of Mathematics Indian Institute of Technology (IIT), Delhi

Finance Committee

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Prof. K. B. Akhilesh

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Director, RGIPT

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Smt. Perin Devi

Director-Finance, MoPNG

Prof. S. S. Yadav

Professor – DoMS, IIT Delhi

Prof. P. K. Bharadwaj

Professor, IIT Kanpur

Chapter 3

About RGIPT, Jais

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 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.



Chapter 4

Faculty

Engineering & Sciences

Dr. Abhay Kumar Choubey
Ph.D. (BHU) – Chemistry

Dr. Alpesh Kumar
Ph. D. (IIT Kanpur) – Math

Dr. Alok Kumar Singh
Ph.D. (BHU) – Geology

Dr. Amritanshu Shukla
Ph.D. (IIT Kharagpur) – Physics

Dr. Amit Saxena
Visiting Faculty

Dr. Amit Ranjan
Ph.D. (University of Minnesota (USA) – Chemical Engineering

Dr. Atul Sharma
Ph.D. (Devi Ahilya University) – Energy Management

Dr. Chanchal Kundu
Ph.D. (IIT Kharagpur) – Math

Shri D. C. Tewari
Visiting Professor – Petroleum Engineering

Dr. Debashis Panda
Ph.D. (IIT Bombay) – Chemistry

Dr. Gunjan Kr. Agrhari
Ph. D. (IIT Kanpur) – 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

Prof. P. K. Bhattacharya
Ph.D. (IIT Bombay) – Chemical Engineering

Dr. Rakesh Kumar
Ph.D. (IIT Kanpur) – Chemical Engineering

Dr. Arshad Aizaz
Ph.D. (IIT Kanpur) – Chemistry

Dr. Satish Kumar Sinha
Ph.D. (University of Oklahoma, Norman) – Petroleum Engg.

Dr. Susham Biswas
Ph.D. (IIT Kanpur) – Geo-Informatics

Dr. Shivanjali Sharma
Ph.D. (ISM Dhanbad) – Petroleum Engineering

Dr. Tushar Sharma
Ph.D. (IIT Madras) – Petroleum Engineering

Dr. Umakant Dhar Dwivedi
Ph.D. (IIT Kanpur) – Electrical Engineering

Dr. Umapasana Ojha
Ph.D. (IIT Bombay) – Chemistry

Dr. V. S. Sistla
Ph.D. (Otto von G. University, Germany) – Chemical Engineering

Humanities and Management Studies

Dr. Saurabh Mishra

Ph.D. (CCSU, Meerut) –
English

Dr. Anirban Mukherjee

Ph.D. (Kansas State University,
USA) Sociology

Dr. Debashish Jena

Ph.D. (IIM Lucknow)
Operations Management &
Operations Research

Dr. Jaya Srivastava

Ph.D. (Banasthali University)
- HRM

Dr. Kavita Srivastava

Ph.D. (IIT Kanpur) Marketing
& Consumer Behaviour

Dr. Rohit Bansal

Ph.D. (IIT Roorkee)
Accounting & Financial
Management

Dr. Pradeep Kumar Parida

Ph.D. (JNU) Strategy
Implementation & Control

Dr. Sanjay Kumar Kar

Ph.D. (Utkal University)
Marketing & International
Business

Dr. Saroj Kumar Mishra

Ph.D. (IIT Kanpur)
Management Studies

Faculty at RGIPT, Assam

Mr. Chinmoy Jit Sarma

M.Tech, Petroleum Tech.,
Dibrugarh University

Dr. Kamal Kumar Tanti

Ph.D., Physics, Guwahati
University

Dr. Ponchami Sharma

Ph.D., Chemistry, Dibrugarh
University

Mr. Rupjit Saikia

M.Phil, Mathematics,
Dibrugarh University

Mr. Neelamjyoti Lahkar

M.Tech, Petroleum Tech.,
Dibrugarh University

Ms. Sukanya Hazarika

M.Tech, Chemical
Engineering, IIT Madras

Mr. Gauri Sankar Bora

M.Tech, Petroleum Engg., IIT
(ISM) Dhanbad

Mr. Riku Dutta

M.Tech, Petroleum Tech.,
Dibrugarh University

Mr. Aditya Sahu

M.Tech, Petroleum Tech.,
Dibrugarh University

Mr. Sekhar Gogoi

M.Tech, Petroleum Tech.,
Dibrugarh University

Mr. Priyam Hazarika

M.Tech, Mechanical Engg.
(Heat Power), Birla Institute of
Technology, MESRA

Dr. Bhaskar Jyoti Medhi

Ph.D., Chemical Engineering,
IIT Guwahati

Faculty at Bangalore Centre

Dr. Arjun Deo

Ph.D., Energy Studies, IIT Delhi

Dr. Debasis De

Ph.D.-Nanoscience and
Technology, IIT Kharagpur

Dr. Edward Peter A

Phd-Indian Institute of
Technology Kanpur, 2013

Dr. Hakeem Niyas U S

Ph.D.-Fluid Thermal
Engineering, Indian Institute
of Technology Guwahati

Dr. Kamal Kumar Bhatluri

Ph.D-Chemical
Engineering, IIT Guwahati

Dr. Roopa Manjunatha

Phd-Instrumentation &
Applied Physics, IISC,
Bangalore- 2014

Dr. Sivasankari Sundaram

Phd-Energy Engineering,
National Institute of
Technology Tiruchirappalli

Dr. Visweshwar Sivasankaran

Phd-Fuel Cells/ Physical
Chemistry/Materials Science,
Universite De Bourgogne and
Universite De Franche-Comte
France

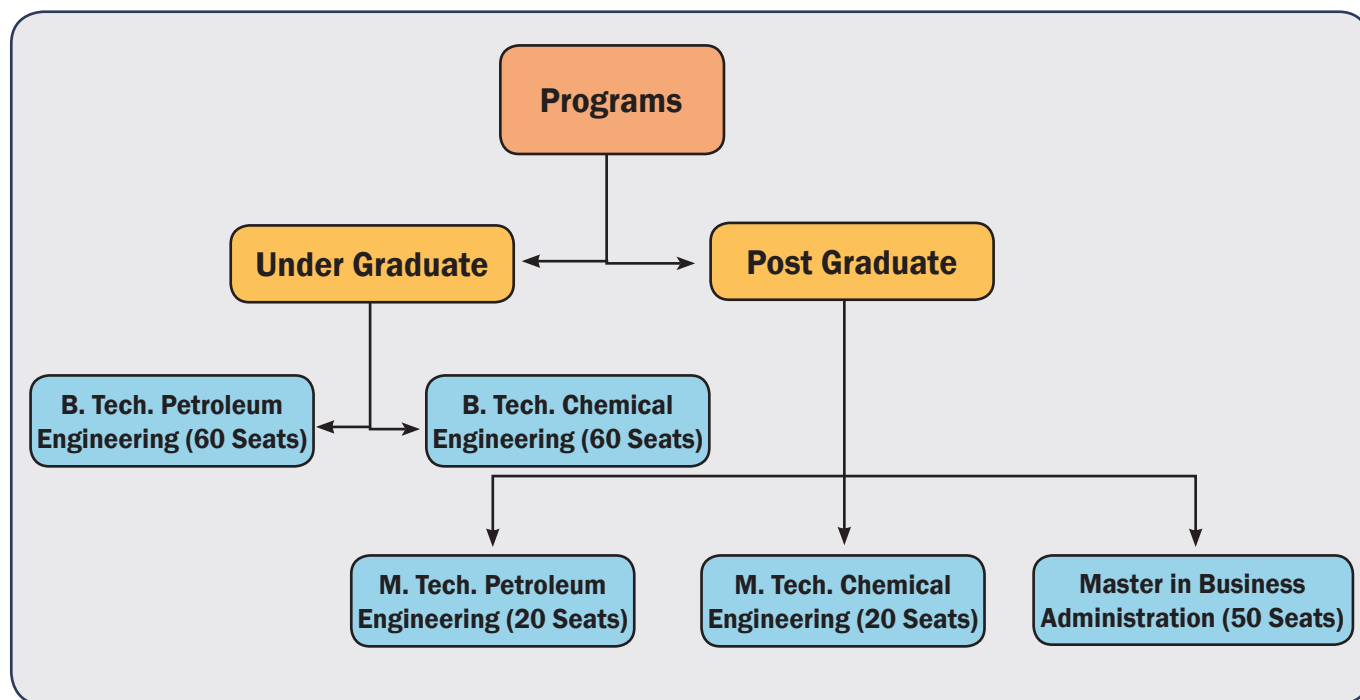
Chapter 5

Academic Programmes

The Institute has been offering undergraduate, postgraduate and doctoral programmes since 2008 from its Jais, Amethi main campus. In the admission to all these programmes, Institute also provides opportunities to socially weaker sections of society i.e. SC/ST/OBC/PwD as per Government of India norms. The detailed capacity in each programmes are as follows:

Admission in Undergraduate Programmes

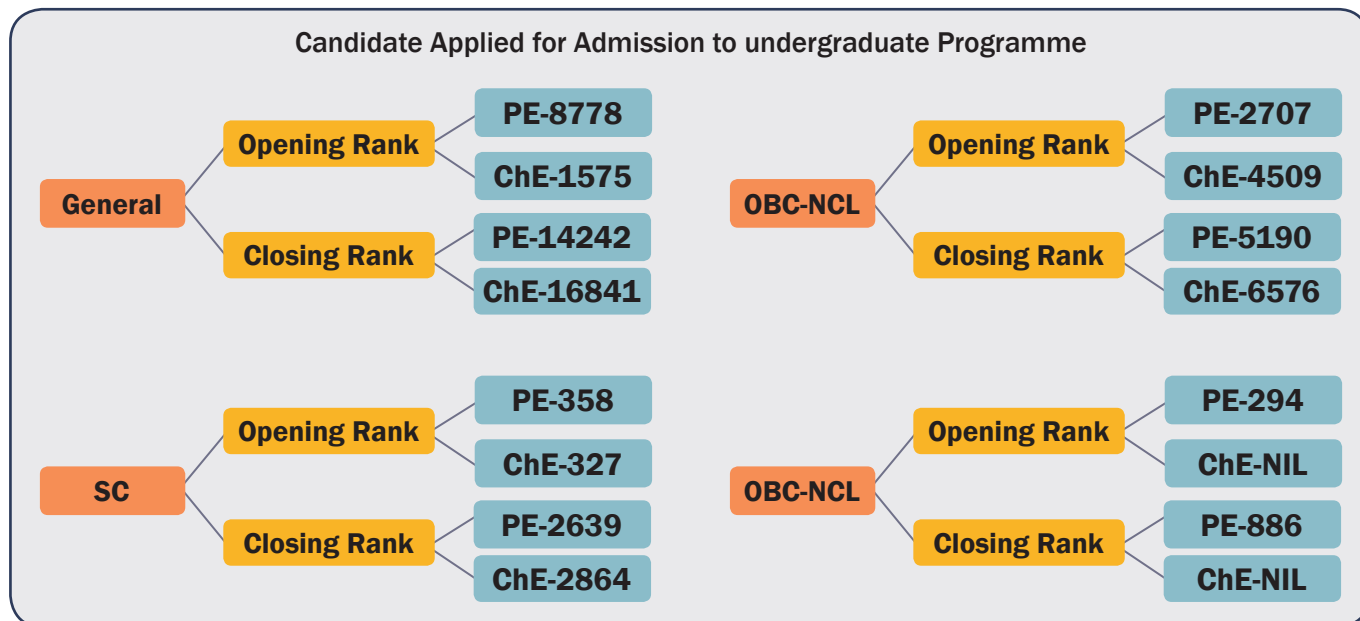
Minimum Eligibility Criteria: Candidate should have qualified the JEE (Advanced) of respective year conducted by IIT. Also, candidate should have obtained minimum aggregate marks of 60% (SC/ST/PwD -55%) in 10+2 (PCM) or equivalent examination.



Details of the student intake in different UG and PG programmes offered by RGIPT

The admission in undergraduate programme (B. Tech. in Petroleum & Chemical Engineering) was successfully completed in July'2018 with joining of 109 students. Out of these, 60 students belong to UR category, 31- OBC (NCL), 17- SC and 01 students from ST category. There were 3 girl students, who took admission in undergraduate programmes.

The admission to undergraduate programme has been provided on the rankings of candidates in IIT-JEE (Advanced) merit list- 2018. The process of admission started in the month of May-2018 with inviting applications from JEE aspirants. The Institute received total 583 online applications from across the country and categories. The opening and closing ranks of candidates, applied for admission to undergraduate programme has been presented as under:



Details of the opening and the closing ranks under different categories

All received applications have been verified with IIT JEE (Advanced) Rank List, received from Organizing JEE Chairman (IIT Guwahati). First provisional list of 447 candidates was published online with instructions to applicants to pay Registration Fee (GEN/OBC: Rs. 30,000/- and SC/ST/PH: Rs. 10,000/-). The total 245 candidates had deposited the fees and thereafter 1st merit list of 120 candidates was published online with instructions to pay remaining fee (GEN/OBC: Rs. 1, 00,000/- and SC/ST/PH: Rs. 25,000/-). Non-Submission of fee had led to the auto-withdrawal from the admission procedure.

Finally, 109 students took admission in undergraduate programmes.

Admission in Postgraduate and Doctoral Programmes

There were 40 seats opened for admission to M. Tech. Programmes, 20 each in Chemical and Petroleum Engineering. Finally, 5 students took admission in M. Tech. Chemical Engineering and 2 have joined M. Tech. in Petroleum Engineering. The selection of students was done based on their performance in Written Test, Personal Interview and his/her GATE score. However, in MBA programme, 33 students have joined through CAT/XAT/CMAT/GMAT score followed by Written Ability Test and Personal Interview. Institute also offers Ph.D. in various disciplines to promote research in the areas of energy, engineering, management and basic sciences. In the academic year 2018, there were 16 students who joined Ph. D. programme in the areas of Chemical Engineering, Petroleum Engineering, Mathematics, Geology and Chemistry.

RGIPT Assam

RGIPT Assam Centre at district Sivasagar was launched for offering programs of education and training of skilled technical manpower at the certificate, diploma and post diploma level in various areas in the domain of petroleum, petrochemical and allied sector to serve as a Skill Development Center for the North-East Region. Based on the consent of MoPNG, the academic session at RGIPT Assam Centre, Sivasagar started from 18th September 2017 in 3 diploma courses in Petroleum Engineering, Chemical Engineering and Piping Engineering with 30 students. The admission is done through Polytechnic Admission Test (PAT) conducted by Directorate of Technical Education (DTE), Assam Govt. In the first three batches there are total of 264 students. The students are all Class X pass out selected through PAT.

Scholarship Details for FY 2018-2019

1. Different types of scholarship details:-
 - Uttar Pradesh Scholarship.
 - Central Sector Scholarship
 - Mukhya Mantra Medhavi Vidyarthi Yojna (MMVY) Scholarship
 - ONGC Scholarship
 - Engineering India Ltd.
 - RGIPT & Chevron Jeet Bindra Scholarship
 - Other State Scholarship (Bihar, Punjab, Jharkhand etc.)
2. Number of student's application forwarded by Institute for different types of scholarship from April, 2018 to March, 2019:-
 - Uttar Pradesh Scholarship - 20
 - Central Sector Scholarship -11
 - Mukhya Mantra Medhavi Vidyarthi Yojna (MMVY) Scholarship - 04
 - ONGC Scholarship - 01
 - Engineering India Ltd. - 00
 - RGIPT & Chevron Jeet Bindra Scholarship – 57 (RMS-31+RMCMS-22+CJBS-4)
 - Other State Scholarship (Bihar & Punjab etc.) -27

Teaching Lab

Undergraduate Laboratories

Physics Lab

Numbers of experiments were added to UG Physics teaching lab equipment for B. Tech first year engineering students. The main goal for the addition was to enable student's access to modern physics experiments relevant to petroleum production & refining and energy sector as well as to strengthen the basic concepts of physics. Newly added experimental setups included measurement of thermal & electrical conductivity of metals, measurement of wavelength of monochromatic light source by diffraction grating method, determination of Planck's constant, to study the characteristics of solar cell and measurement of Rydberg's Constant etc. These experiments have been successfully installed and approximate cost of the procurement was Rs. 9.11 Lakhs.



Chemistry Lab

Numbers of equipment were added to UG Chemistry teaching lab experiments for B. Tech first year engineering students. The main goal for the addition was to enable student's access to modern chemistry experiments relevant to petroleum production & refining and energy sector as well as to strengthen the basic concepts of chemistry. Newly added experimental equipment includes fume hoods, rotary evaporator, vacuum oven, ice flake and ice cube machines, precise balances, melting point apparatus, drying ovens, overhead stirrers as well as hot plate magnetic stirrers, etc. These equipment have been successfully installed and approximate cost of the procurement was Rs. 40 Lakhs.



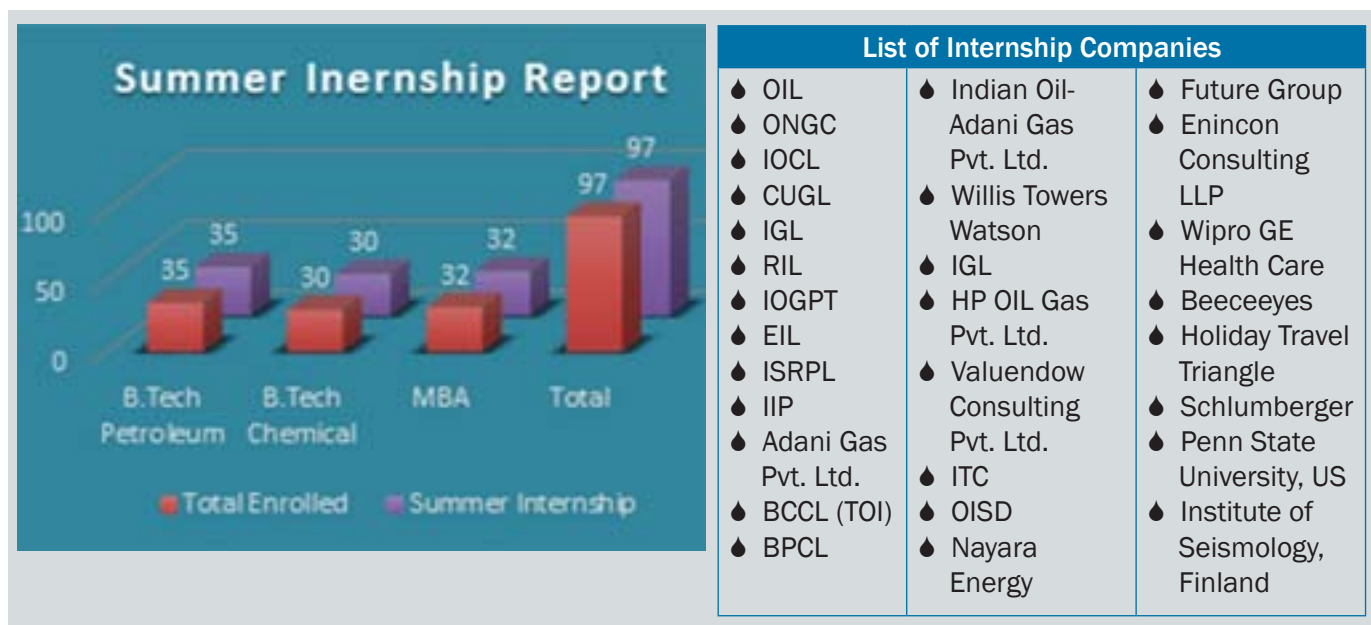
Training & Placements Cell

It is with great pride that Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais announces the successful completion of the final placement for the B.Tech 2015-19, MBA 2017-19 and M.Tech 2017-19. Over the past 11 years, our students have left lasting impressions on recruiters by showcasing their extraordinary skills and talent in the industry.

Training & Placement Events

Summer Internship

Training & Placement Cell has arranged the summer internship training program for B.Tech and MBA students as a mandatory course work and offers students a short-term opportunity to gain work experience. As an intern, the student will go to the office, work on real-time projects, and pick up industry-relevant skills. It is a mechanism to bridge the gap between what is taught in classrooms and what industries look for in recruits. Status of Summer Internship for the year 2018-19 as follows:



Companies who offered internships to the students of RGIPT

Mock Interview

Training & Placement Cell conducted a mock interview on 4th-5th January 2019 for graduating students. It is an emulation of a job interview used for training purposes. The conversational exercise usually resembles a real interview as closely as possible, for the purpose of providing experience for a candidate.

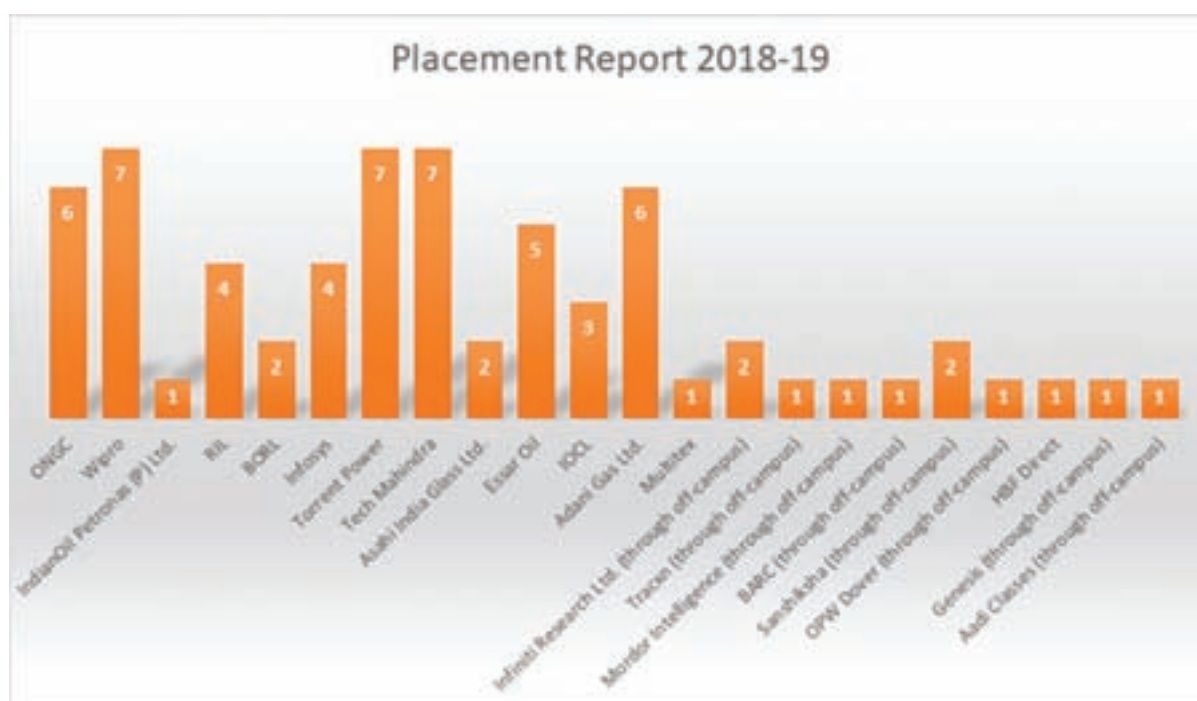
Placement 2018-19

During 2018-19, the placement activities for the UG-PG students for the year 2018-19 witnessed participation 13 companies in the campus recruitment. Further, many companies recruited off-campus. About 75% of the UG students and 90% of the MBA students got successfully placed through campus and off-campus drive. A fraction of students continued to show interest in higher studies. Several firms from energy, services, consulting and manufacturing sectors visited the campus for offering placement to graduating students, which also included national Oil PSUs. The recruiter companies are: ONGC, Wipro, Indian Oil Petronas Pvt. Ltd., RIL, BORL,

Infosys, Torrent Power, Tech Mahindra, Asahi India Glass Ltd., Essar Oil, IOCL, Adani Gas Ltd., Multitex.

Statistics of the placement season (campus/off-campus recruitment): B. Tech and MBA

Batch Size	101
Number of Students eligible for placement	83
Number of Offers Made	67
Number of Student Placed	67
Percentage of eligible students placed	80.72
Number of Companies Participate	13 (campus), 10 (off-campus)
Highest CTC	19 lacks
Average CTC	8.86 lacks



Number of RGIPET students placed in different companies during campus recruitment drive

Chapter 6

Central Research Facility

Central Research Facility (CRF), RGIPT is a research centre under which faculty from all streams of Engineering and Science carry out their research work. It is fully equipped with sophisticated instruments accessible to all the researchers. The main objective of the CRF is to promote high quality research in science and engineering disciplines by providing facilities and technical expertise in support of basic and applied research activities. The laboratory promotes scientific thinking and experimental exposure for the faculty and students as well. Some of the major CRF equipments are as follows:

- 1) **Nuclear Magnetic Resonance Spectrometer:** Main use is to detect Structural Conformation for Chemical compounds.
Make: JEOL, JAPAN



- 2) **X-ray Photoelectron Spectrometer:** XPS is used to analyze inorganic compounds, metal alloys, semiconductors, polymers, elements, catalysts, glasses, ceramics, paints, papers, inks, woods, plant parts, make-up, teeth, bones, medical implants, bio-materials, coatings, viscous oils.



- 3) **High Performance Computing Cluster:** Used for Simulations based on user developed codes, Gaussian and Matlab in Message Passing Interface (MPI) environment. Data post-processing using Tec360.



Research Labs

Drilling Fluid Design Research Lab, RGIPT

Drilling fluid tests are performed to evaluate the properties and characteristics of the fluid, and to determine its performance limitations, functions of Drilling Fluids, Drilling-Fluid Categories, Clay Chemistry, Estimating Drilling Fluid Properties, Testing of Drilling Fluids, Drilling fluid maintenance equipment, Health, Safety, and Environmental (HSE) Considerations. Keeping this in mind various new equipment such as HP/HT Filter Press, Capillary Suction Timer, Resistivity meter, Aqueous Phase activity kit were added to establish complete Drilling fluid design lab. The total cost of new equipment is about 58 Lakhs.

Enhanced Oil Recovery (EOR) Research Lab, RGIPT

Water Flooding remains the primary method of oil recovery, but typical recovery is 20% to 50% of the original oil in place. The oil remaining after water flood is a resource for various EOR techniques. Enhanced Oil Recovery is oil recovery by the injection of materials not normally present in the reservoir and the measurement of EOR Process is the difference in the oil actually produced versus the amount of oil projected to be produced had the EOR process not been initiated. For development of EOR research lab, many new types of equipment such as sand pack flooding apparatus with thermal jacket, core flood set up. One more equipment tensiometer will be soon added for the interfacial studies of fluids.

Seismic Data Interpretation and Acquisition Lab, RGIPT

The lab is equipped with 13 workstation with dual monitor setup where students learn seismic data interpretation on KINGDOM software and Opend Tect software. We have 50 licenses of each of that interpretation software. The lab has PASI GEA-24 system for seismic data acquisition. We have got 24 channel vertical geophones and field tough book for data acquisition.



Chapter 7

Achievements & Publications of Faculty

Dr. Alok Kumar Singh, Associate Professor

Publications:

- Alok K. Singh & Alok Kumar (2018)- Organic geochemical characteristics of Nagaur lignites, Rajasthan, India and their implication on thermal maturity and paleoenvironment. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. Vol. 40, No.15, pp. 1842–1851.
- Alok K. Singh, Annirudh Kumar, Prakash. K. Singh, Asha Lata Singh & Alok Kumar (2018)- Bacterial desulphurization of low rank coal: A Case Study of Eocene Lignite of Western Rajasthan, India. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Vol. 40, No.10, pp. 1199-
- Alok K. Singh & Alok Kumar (2018)- Petrographic and Geochemical study of Gurha lignites, Bikaner Basin, Rajasthan, India: Implications for thermal maturity, hydrocarbon generation Potential and paleodepositional environment. Journal Geological Society of India, Vol. 92, PP. 27-35.
- B.Pandey, D.B. Pathak, , N. Mathur, , Alok K Singh, and Prakash K Singh (2018)- A preliminary evaluation on the prospects of hydrocarbon potential in the carbonaceous shales of Spiti and Chikkim Formations, Tethys Himalaya, India. Journal Geological Society of India, Vol. 92, PP. 427-434.
- Alok K Singh & Mritunjay Kumar Jha (2018)- Petrochemical evaluation and classification of coal deposits of Barka Sayal area, South Karanpura Coalfield and suggestion for its proper utilization. Int. J. Oil, Gas and Coal Technology, Vol. 18, Nos. 1/2, pp. 39-54.
- Alok K Singh, Alok Kumar & M.H. Hakimi (2018)- Organic geochemical and petrographical characteristics of the Nagaur lignites, Western Rajasthan, India and their relevance to liquid hydrocarbon generation. Arabian Journal of Geosciences, vol. 11, pp. PP.406:15.

Papers in Conference

- Alok K Singh & Alok Kumar (2018)- Paleodepositional condition and hydrocarbon potential of Lignite deposits of Bikaner-Nagaur Basin, Western Rajasthan, India. Geo India 2018 4th South Asian Geosciences Conference and Exhibition.
- Alok K Singh & Mritunjay Kumar Jha (2019)- Organic petrology and geochemistry of Permian coal seams of Sayal area, South Karanpura coalfield, Jharkhand, India: implications to hydrocarbon source potential and depositional environment. Petrotech 2019 13th International Oil and Gas Conference & Exhibition

Participation in Seminar/Symposium/Workshop etc

- Advancements in source rock technology and geochemical software in petroleum geochemistry and exploration", Hotel Taj Vivanta, Goa, Aug. 24-25th, 2018

Dr. Koushik Guha Biswas, Assistant Professor**Papers Published (2):**

1. Augmented mass transfer in liquid-liquid flow through microchannels of different geometries, U. Kumar, D. Panda, K.G. Biswas*, Chemical Engineering & Processing: Process Intensification, 137 (2019) 72-79.
2. Studies of dehydrogenation reaction over zinc-alumina catalyst, K.G. Biswas*, L. Das, J.K. Basu, International Journal of Chemical Reactor Engineering, 20180004 (2018) 1-10.

Book Chapters (2):

1. Recent trends of process intensification in energy domain, K.G. Biswas*, Low Carbon Energy Supply - Trends, Technology, Management (ISBN No. 978-981-10-7325-0), Springer, 2018.
2. Role of biofuels/biomass in current energy scenario of India, K.G. Biswas*, L. Das, Low Carbon Energy Supply - Trends, Technology, Management (ISBN No. 978-981-10-7325-0), Springer, 2018.

Dr. Milan Kumar, Assistant Professor**Publications:**

1. R. Pant, M. Kumar and A. Venkatnathan; Quantum Mechanical Investigation of Proton Transport in Imidazolium Methanesulfonate Ionic liquid, J. Phys. Chem. C, 2017, 121, 7069.
2. M. Kumar and A. Venkatnathan; Quantum Chemistry Study of Proton Transport in Imidazole Chains, J. Phys. Chem. B, 2015, 119, 3213.
3. M. Kumar and A. Venkatnathan; Mechanism of proton transport in ionic liquid doped Perfluorosulfonic acid membranes, J. Phys. Chem. B, 2013, 117, 14449.
4. M. Kumar, B. J. Edwards, and S. J. Paddison; A macroscopic model of proton transport through the membrane-ionomer interface of a polymer electrolyte membrane fuel cell, J. Chem. Phys., 2013, 138, 064903.
5. M. Kumar and S. J. Paddison; Side-chain degradation of PFSA membranes: An ab initio study, J. Mater. Res., 2012, 15, 1982.
6. C. Wang, J. K. Clark II, M. Kumar, and S. J. Paddison; An ab initio study of the primary hydration and proton transfer of CF₃SO₃H and CF₃O(CF₂)₂SO₃H: Effects of the hybrid functional and inclusion of diffuse functions, Solid State Ionics, 2011, 199-200, 6.
7. S. Rajan, M. Kumar, M. J. Ansari, D. P. Rao, and N. Kaistha; Limiting gas liquid flows and mass transfer in a novel rotating packed bed (HiGee), Ind. Eng. Chem. Res., 2011, 50, 986.

Dr. Chanchal Kundu, Associate Professor**Publications (Apr., 2018- Mar., 2019):**

1. Patra, A. and Kundu, C. (2019), Further results on residual life and inactivity time at random time. Communications in Statistics- Theory & Methods, DOI: 10.1080/03610926.2018.1563170. Online First.
2. Nanda, A.K., Maiti, S.S., Kundu, C. and Kundu, A. (2019), Parameter estimates of general failure rate model: A Bayesian approach. Journal of Computational and Applied Mathematics, Vol. 351, pp. 317-330.

3. Kundu, C., and Singh, S. (2019), On generalized interval entropy. Communications in Statistics-Theory & Methods, DOI: 10.1080/03610926.2019.1568480. Online First.
4. Patra, A. and Kundu, C. (2019), On generalized orderings and ageing classes for residual life and inactivity time at random time. Metrika, Vol. 82, pp. 691-704.
5. Singh, S. and Kundu, C. (2019), On weighted Renyi's entropy for double truncated distribution. Communications in Statistics- Theory & Methods, Vol. 48 (10), pp. 2562-2579.
6. Ghosh, A. and Kundu, C. (2018), Chernoff distance for conditionally specified models. Statistical Papers, Vol. 59, pp. 1061-1083.
7. Kundu, C. and Ghosh, A. (2018), On some dynamic generalized information measures for bivariate lifetimes. Communications in Statistics- Theory & Methods, Vol. 47 (22), pp. 5497-5513.
8. Ghosh, A. and Kundu, C. (2018), On generalized conditional cumulative past inaccuracy measure. Applications of Mathematics, Vol. 63 (2), pp. 167-193.
9. Kundu, A. and Kundu, C. (2018), Bivariate extension of generalized cumulative past entropy. Communications in Statistics- Theory & Methods, Vol. 47 (8), pp. 1962-1977.
10. Kundu, C. and Patra, A. (2018), Some results on residual life and inactivity time at random time. Communications in Statistics- Theory & Methods, Vol. 47 (2), pp. 372-384.

Dr. Rohit Bansal, Assistant Professor

Publications:

1. Kumar, D. Kumar, S. & Bansal, R. (2018), An Integrated Approach towards Query Based Learning on Multi-Objective Ant Lion Optimization, Journal of Advanced Research in Dynamical and Control Systems, Issue 4, pp. 800-809, (Scopus).
2. Dixit, A. Kumar, S. Bansal, R. & Pant, M. (2018), Dynamic Mutation Strategy of Differential Evolution based on PSO, International Journal of Multimedia Information Retrieval, Springer, (SCOPUS)
3. Kumar, D., Kumar, S. & Bansal, R. (2018), Multi-objective Multi-Join Query Optimization using Modified Grey Wolf Optimization, International Journal of Advanced Intelligence Paradigms, Inderscience, (Scopus) Accepted. DOI: 10.1504/IJAIP.2020.10019251
4. Dixit, A. Kumar, S. Bansal, R. & Pant, M. (2018), DE based Feature Selection Strategies for Text and Image Classification, Multidimensional Systems and Signal Processing, Springer, (SCOPUS) (Submitted).
5. Zahera, S, A. & Bansal, R. (2018), "Do investors exhibit behavioral biases in investment decision making? A systematic review", Qualitative Research in Financial Markets, Vol. 10 Issue: 2, pp.210-251, (Scopus, ESCI & ABDC-B) <https://doi.org/10.1108/QRFM-04-2017-0028>. (Emerald)
6. Dixit A., Kumar S., Pant M., & Bansal R. (2018), 'Hybrid Nature-Inspired Algorithms: Methodologies, Architecture, and Reviews'. In: Reddy M., Viswanath K., K.M. S. (eds) International Proceedings on Advances in Soft Computing, Intelligent Systems and Applications. Advances in Intelligent Systems and Computing, vol 628. pp 299-306, Scopus, DOI https://doi.org/10.1007/978-981-10-5272-9_29. (Springer).

S. No.	Author's Name	Title of Paper	Name of Conference	Place	Year	Page No.
1.	D. Kumar, D. Mehrotra and R. Bansal,	"Metaheuristic Policies for Discovery Task Programming Matters in Cloud Computing	2018 4 th International Conference on Computing Communication and Automation (ICCCA)	Galgotias University Greater Noida, India,	December 14-15, 2018	1-5

Dr. Satish Kumar Sinha, Head- Department of Petroleum Engineering and Geological Sciences**Publications:**

- Singh, H. K., Thankappan, A., Mohite, P., Sinha, S. K., Chandrasekharam, D., and Chandrasekhar, T., 2018, Geothermal energy potential of Tulsishyam thermal springs of Gujarat, India, Arabian Journal of Geosciences, 11:137, <https://doi.org/10.1007/s12517-018-3501-y>
- Sinha, S. K., and Tiwari, L. K. 2018, Enhancement of Image Classification for Forest Encroachment Mapping with Destriped SWIR Band in the Wavelet Domain, IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 11(7), pp 2271-2281 <https://doi.org/10.1109/JSTARS.2018.2814838>
- Sinha, S. K., Maurya, R. K. and Sain, K. 2018, Demultiple of Seismic Data in Wavelet Transform Domain, Geohorizons, p:1-4

Dr. Tushar Sharma, Assistant Professor**Publications:**

1. R.S. Kumar, S. Iglaer, J. Trivedi, T. Sharma* (2019). Novel nanomaterials of silica and sodium dodecyl sulfate for high salinity applications: improved dispersion stability and rheological properties. Colloids and Surfaces A: Physicochemical and Engineering Aspects. Revisions requested.
2. R.S. Kumar, T. Sharma* (2019). Stable SiO₂-TiO₂ nanocomposite based nanofluid of improved rheological behaviour for high temperature oilfield applications. Geosystem Engineering. Revisions submitted.
3. K.R. Chaturvedi, A.K. Singh, T. Sharma* (2019). Impact of shale on properties and oil recovery potential of sandstone formation for low salinity water (LSW) flooding applications. Asia-Pacific Journal of Chemical Engineering. e2352. doi.org/10.1002/apj.2352.
4. K.R. Chaturvedi, J. Trivedi, T. Sharma* (2019). Evaluation of polymer assisted carbonated water injection in sandstone reservoir: absorption kinetics, rheology and oil recovery results. Energy & Fuels. 33: 5438-5451.
5. R. Narukulla, U. Ojha, T. Sharma* (2019). Enhancing the stability and redispersibility of o/w Pickering emulsion through polyacryloyl hydrazide-tannic acid synergy. Colloids and Surfaces A: Physicochemical and Engineering Aspects. 568: 204-2015.
6. K.R. Chaturvedi, R. Kumar, J. Trivedi, J.J. Sheng, T. Sharma* (2018). Stable silica nanofluids of an oilfield polymer for enhanced CO₂ absorption for oilfield applications. Energy & Fuels. 32: 12730-12741.

Dr. Atul Sharma, Associate Professor**List of Publications in SCI Journal**

- Karunesh Kant, R. Pitchumani, A. Shukla, Atul Sharma Analysis and design of air ventilated building integrated photovoltaic (BIPV) system incorporating phase change materials, Energy Conversion and Management, Vol. 196, 149-164 (2019).
- Hitesh Panchal, Ravishankar Sathyamurthy, A. E. Kabeel, S. A. El-Agouz, D.Silva Rufus, T. Arunkumar, A. Muthu Manokar, D. Prince Winston, Atul Sharma, Nishant Thakar, Kishor Kumar Sadasivuni Annual performance analysis of adding different nanofluids in stepped solar still, Journal of Thermal Analysis and Calorimetry, <https://doi.org/10.1007/s10973-019-08346-x> (2019)

- Khushboo Purohit, V.V.S.Murty, R.C. Dixit, Atul Sharma Development of acetanilide/benzoic acid eutectic phase change materials based thermal energy storage unit for solar water heating system, Bulletin of Materials Science, Published by the Indian Academy of Sciences Vol. 42, 119-282 (2019).
- Anand Jain, Mukul Sharma, Anil Kumar, Atul Sharma, Arkom Palamanit Computational fluid dynamics simulation and energy analysis of domestic direct type multi-shelf solar dryer, Journal of Thermal Analysis and Calorimetry, Vol. 136, 173–184 (2019)
- Karunesh Kant, A. Shukla, Atul Sharma, Pascal H. Biwloe Melting and solidification behaviour of phase change materials with cyclic heating and cooling, Journal of Energy Storage, Vol. 15, 274-282 (2018).
- Anand Jain, Atul Sharma, Anil Kumar Development of Binary Mixtures of Palmitic Acid, Stearic Acid and Acetamide for Heat Storage in Solar Dryers, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 11, 9460-9467 (2018).

Book Publication

- Atul Sharma, Amritanshu Shukla and Lu Aye, Low Carbon Energy Supply - Trends, Technology, Management, Springer (Pvt.) limited India, New Delhi, ISBN 978-981-10-7326-7 (2018).
- Amritanshu Shukla and Atul Sharma, Sustainability through Energy-Efficient Buildings, CRC Press, Taylor and Frances Group, ISBN 978-113-80-6675-5 (2018)

Book Chapters Publication

- Abhishek Anand, Amrtianshu Shukla, Atul Sharma, Phase change material – A sustainable way of solar thermal energy storage. In: Solar Energy in Agriculture: Principles and Applications, New India Publishing Agency (NIPA), New Delhi, Chapter – 21: 227-246 (2019).
- Abhishek Anand, Karunesh Kant, A. Shukla, Atul Sharma Latent Heat Storage for Solar Still Applications, Solar Desalination Technology: Concept, Design, Testing, Modeling, Economics and Environment". Springer Nature Singapore Pte Ltd., ISBN 978-981-13-6887-5, p.293-323 (2019).
- Atul Sharma, A. Shukla, Karunesh Kant Perspective of Solar Energy In India, Low Carbon Energy Supply - Trends, Technology, Management, Springer Nature Singapore Pte Ltd., ISBN 978-981-10-7326-7, p.17-35 (2018).
- Karunesh Kant, A. Shukla, Atul Sharma Building Integrated Photovoltaic: Building Envelope Material and Power Generator for Energy-Efficient Buildings, Sustainability through Energy-Efficient Buildings – CRC Press, ISBN 9781351658447, p. 109-130 (2018).
- Karunesh Kant, A. Shukla, Atul Sharma Heating Ventilation and Air-conditioning (HVAC) systems for energy efficient buildings, Sustainability through Energy-Efficient Buildings (Hardback) – CRC Press, ISBN 9781351658447, p. 165-180 (2018).
- Karunesh Kant, A. Shukla, Atul Sharma Advances in Simulation Studies for developing energy efficient buildings, Sustainability through Energy-Efficient Buildings (Hardback) – CRC Press, ISBN 9781351658447, p. 209-234 (2018).
- Mukul Sharma, Om Prakash, Atul Sharma, Anil Kumar Fundamentals and Performance Evaluation Parameters for Solar Dryer, Low Carbon Energy Supply - Trends, Technology, Management, Springer Nature Singapore Pte Ltd., ISBN 978-981-10-7326-7 (2018).

Conference Publications

- Abhishek Anand*, Shailender Singh, A. Shukla, Atul Sharma The Role of Phase Change Materials in Building Applications, International Conference on "Energy Storage Technologies

and Systems" November 23-25 2018 Organized by Centre of Excellence in Renewable and Sustainable Energy Studies, Suresh Gyan Vihar University, Jaipur.

- Shailender Singh*, Abhishek Anand, A. Shukla, Atul Sharma Development of Phase Change Materials for Thermal Application, International Conference on "Energy Storage Technologies and Systems" November 23-25 2018 Organized by Centre of Excellence in Renewable and Sustainable Energy Studies, Suresh Gyan Vihar University, Jaipur.
- Shailendra Singh*, Abhishek Anand, A. Shukla, Atul Sharma Application of Thermal Energy Storage for Solar Water Heating Systems, International Symposium on Advances in Functional & Biological Materials, February 28 2019 Organized by Humboldt Academy Lucknow & Physics Dept., University of Lucknow.
- Abhishek Anand*, Shailender Singh, A. Shukla, Atul Sharma Application of Phase Change Materials in Biomedical Industry, International Symposium on Advances in Functional & Biological Materials, February 28 2019 Organized by Humboldt Academy Lucknow & Physics Dept., University of Lucknow.
- Shailendra Singh*, Abhishek Anand, A. Shukla, Atul Sharma Application of Thermal Energy Reservoir for Solar Water Heating Systems, Research Scholar Day-Parishti-2019, April 13, 2019 at Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi, U.P.
- Abhishek Anand*, Shailender Singh, Amritanshu Shukla, Atul Sharma Innovation In Biomedical Industry Through Latent Heat Storage Medium, Research Scholar Day-Parishti-2019, April 13, 2019 at Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi, U.P.

Dr. Rakesh Kumar, Assistant Professor

Publications:

- Zakir Hussain, Rakesh Kumar*, "Esterification of free fatty acids in karanja oil using novel corncob derived solid acid catalyst" " Materials Today: Proceedings, 2018, 5 18033–18039.
- Zakir Hussain, Rakesh Kumar*, "Kinetics & simulation of non-catalytic esterification" Materials Today: Proceedings, 2018, 5 18275–18284.
- Zakir Hussain, Deepa Meghavathu, Rakesh Kumar*, "Kinetics and thermodynamics of adsorption process using spent-FCC catalyst" International Journal of Engineering & Technology, 2018, 7 (4.5) 284-287.
- Zakir Hussain, Rakesh Kumar, Deepa Meghavathu*, "Glimpses of dynamic biodiesel product pricing model" International Journal of Engineering & Technology, 2018, 7 (4.5) 224-227.
- Zakir Hussain, Deepa Meghavathu, Rakesh Kumar*, "Effect of quaternary ammonium salt addition to conventional biodiesel production process" International Journal of Engineering & Technology, 2018, 7 (4.5) 220-223.
- Md. Belal Haider, Divyam Jha, M.S.Balathanigaimani, Rakesh Kumar* "Thermodynamic and Kinetic Studies of CO₂ Capture by Glycol and Amine-Based Deep Eutectic Solvents" J. Chem. Eng. Data, 2018, 63(8), 2671-2680.
- Zakir Hussain, Rakesh Kumar* "Synthesis and characterization of novel corncob-based solid acid catalyst for biodiesel production" Industrial & Engineering Chemistry Research, 2018, 57(34), 11645–11657
- Zakir Hussain, Rakesh Kumar* "Esterification of free fatty acids: experiments, kinetic modelling, simulation & optimization" International Journal of Green Energy, 2018, 15(11), 629–640
- Krishna Raghav Chaturvedi, Rakesh Kumar, Japan Trivedi, James Sheng, , Tushar Sharma, "Stable Silica Nanofluids of an Oilfield Polymer for Enhanced CO₂ Absorption for Oilfield Applications" Energy & Fuels, 2018, 32(12), 12730-12741.

- Md. Belal Haider, Divyam Jha, M.S.Balathanigaimani, Rakesh Kumar* "Modelling and Simulation of CO₂ Removal from Shale Gas Using Deep Eutectic Solvents" Journal of Environmental Chemical Engineering, 2019, 7(1), 1027-1047.
- Divyam Jha, N.M. Mubarak, Md Belal Haider, Rakesh Kumar, M.S. Balathanigaimani, J.N. Sahu, "Adsorptive removal of dibenzothiophene from diesel fuel using microwave synthesized carbon nanomaterials" Fuel, 2019, 244, 132-139

Dr. Amit Ranjan, Associate Professor and Head, Chemical Engineering and Engineering Sciences

Publications:

- Polyacryloyl Hydrazide Incorporation into Ionic Hydrogels Improves Toughness, Elasticity, Self-Healability, Adhesive & Strain Sensing Properties. S. Mandal, N. Pandey, S. Singh, A. Ranjan, and U. Ojha. Mater. Chem. Front., 2019,3, 690-701. (An RSC journal, Impact Factor pending).
- Influence of BiFeO₃ Nanoparticles on Properties of Clay Containing Water Based Muds. Shama Perween, Nitu Kumari Thakur, Mukarram Beg, Shivanjali Sharma, Amit Ranjan. Colloids and Surfaces A 561, 165 (2019). IF: 2.829
- PVA-PDMS-Stearic acid composite nanofibrous mats with improved mechanical behavior for selective filtering applications. Shama Perween, Ziyaaddin Khan, Somendra Singh, Amit Ranjan. Scientific Reports 8, 16038 (2018). IF: 4.122
- Effect of zinc titanate nanoparticles on rheological and filtration properties of water based drilling fluids. Shama Perween, Mukarram Beg, Ravi Shankar, Shivanjali Sharma, Amit Ranjan. Journal of Petroleum Science and Engineering 170, 844 (2018). IF: 2.382

Publications/invited talks in conferences:

- PDMS incorporated PVA-PCM electrospun nanocomposite fibrous mats with improved mechanical behavior for membrane and heat storage applications..S. Perween and A. Ranjan, Oral presentation, ACS Meeting 19-23 Aug 2018, Boston, MA, USA
- Application of Silane Coated Silica Nanoparticle for Fluid Loss Reduction in Water Based Drilling Fluid, Mukarram Beg, Shama Perween, Abhishek Gautam, Amit Ranjan, Shivanjali Sharma, Third Internantional Conference on Nanomaterials (ICN 2018), 11-13 May 2018, Mahatma Gandhi University, Kottayam, Kerala.

Dr. Venkata Subbaraayudu Sistla, Assistant Professor

Publications: Purohit, B. K.,Sistla, V. S., Studies on solution crystallization of Na₂SO₄ · 10H₂O embedded in porous polyurethane foam for thermal energy storage application, Thermochemica Acta, 10 (2018), 09-18.

Dr. Umakant Dhar Dwivedi, Assistant Professor

Publications:

1. S Tewari, U D Dwivedi, "Ensemble-based big data analytics of lithofacies for automatic development of petroleum reservoirs," Journal of Computers & Industrial Engineering, Elsevier, 128, 937-947, 2018
2. S Tewari, U D Dwivedi, M Shiblee, "Assessment of Big Data Analytics Based Ensemble Estimator Module for the Real-Time Prediction of Reservoir Recovery Factor," SPE Middle East Oil and Gas Show and Conference, Manama, Bahrain, 18-21 March, 2019
3. S Tewari, U D Dwivedi, "A Real-World Investigation of TwinSVM for the Classification of Petroleum Drilling Data," IEEE R10 , Symposium. IEEE Xplore Digital library , 2019

4. S Tewari, U D Dwivedi , "A Novel Automatic Detection and Diagnosis Module for Quantitative Lithofacies Modeling," SPE-192747-MS. Abu Dhabi International Petroleum Exhibition & Conference, 12-15 November 2018, Abu Dhabi, UAE.

Dr. Gunjan Kumar Agrahari, Assistant Professor

Publications:

Book Chapter

"Shale Gas: A Futuristic Non-conventional Energy Resource", in, A. Sharma et al. (eds.), Low Carbon Energy Supply, Green Energy and Technology,

https://doi.org/10.1007/978-981-10-7326-7_19

Publisher: Springer Nature Singapore Pte Ltd. 2018

Dr. Amit Saxena Visiting Faculty

Publications:

- Saxena, N, Saxena, A., Mandal, A, "Synthesis, Characterization and enhanced oil recovery potential analysis through simulation of a natural anionic surfactant", Journal of Molecular Liquids, Elsevier, 2019, 282, 545-556. (Impact Factor 4.5)

Book:

- Sharma S, Saxena, A., Saxena, N, Unconventional Resources in India: The Way Ahead, Springer, 2019, DOI: 10.1007/978-3-030-21414-2

Dr. A. Shukla, Associate Prof. & Head of Department, Dept. of Basic Sciences and Humanities

Publications:

Refereed Journals

1. Systematic nuclear reaction and nuclear structure studies for the nuclei relevant to the p-process, Awanish Bajpeyi, A. Shukla and A. J. Koning, Acta Physica Polonica B, 49, 27 (2018), [https://DOI:10.5506/APhysPolB.49.27](https://doi.org/10.5506/APhysPolB.49.27)
2. Melting and solidification behaviour of phase change materials with cyclic heating and cooling, Karunesh Kant, A. Shukla, A. Sharma and Pascal Henry Biwole, Journal of Energy Storage 15, 274 (2018). <https://doi.org/10.1016/j.est.2017.12.005>

Conference Proceedings

1. Nuclear Reaction Studies of Carbon isotopes in conjunction with RMF theory and Glauber Model. A. Shukla, Ajeet Singh, and Akhilesh Yadav, Presented at DAE International Symposium 2018 on Nuclear Physics at at BARC Mumbai, (published in Proceedings of DAE-BRNS Symposium on Nuclear Physics 2018).
2. Systematics of Exotic Superheavy Nuclei ($Z=116, 118, 120$ and 122) and their alpha decay half lives, Akhilesh Yadav and A. Shukla, Presented at DAE International Symposium 2018 on Nuclear Physics at at BARC Mumbai, (published in Proceedings of DAE-BRNS Symposium on Nuclear Physics 2018).
3. Nuclear Structure input dependence on the nuclear reaction rates relevant to astrophysical p-process, Awanish Bajpeyi, and A. Shukla, Presented at DAE International Symposium 2018

on Nuclear Physics at BARC Mumbai, (published in Proceedings of DAE-BRNS Symposium on Nuclear Physics 2018).

4. The Role of Phase Change Materials in Building Applications, Abhishek Anand, Shailender Singh, A. Shukla, Atul Sharma, Presented at International Conference on "Energy Storage Technologies and Systems" November 23-25, 2018 Organized by Centre of Excellence in Renewable and Sustainable Energy Studies, Suresh Gyan Vihar University, Jaipur.
5. Development of Phase Change Materials for Thermal Application, Shailender Singh, Abhishek Anand, A. Shukla, Atul Sharma, Presented at International Conference on "Energy Storage Technologies and Systems" November 23-25, 2018 Organized by Centre of Excellence in Renewable and Sustainable Energy Studies, Suresh Gyan Vihar University, Jaipur.
6. Application of Thermal Energy Storage for Solar Water Heating Systems, Shailendra Singh, Abhishek Anand, A. Shukla, Atul Sharma, Presented at International Symposium on Advances in Functional & Biological Materials, February 28, 2019 Organized by Humboldt Academy Lucknow & Physics Dept., University of Lucknow.
7. Application of Phase Change Materials in Biomedical Industry, Abhishek Anand, Shailender Singh, A. Shukla, Atul Sharma, Presented at International Symposium on Advances in Functional & Biological Materials, February 28, 2019 Organized by Humboldt Academy Lucknow & Physics Dept., University of Lucknow.

Book Chapters

1. BIPV (Building Integrated Photovoltaic) as power generator in energy efficient buildings, A. Shukla, Karunesh Kant, and Atul Sharma, In Sustainability through Energy Efficient Buildings (book published by CRC press/Taylor & Francis Publishing USA).
2. Advances in Simulation for developing energy efficient buildings, A. Shukla, Karunesh Kant, and Atul Sharma, In Sustainability through Energy Efficient Buildings (book published by CRC press/Taylor & Francis Publishing USA).
3. Phase change materials (PCM) for food preservation, Karunesh Kant, A. Shukla, and Atul Sharma, In Emerging, Thermal and Non-thermal Technology in Food Process Engineering (book published by Apple Academic Press, USA).
4. Prospects of Solar energy, Karunesh Kant, Atul Sharma and A. Shukla, In Low Carbon Energy Supply - Trends, Technology, Management (Book published by Springer-Verlag Publishers).
5. Renewable energy and the future of energy security and sustainability, Karunesh Kant, Atul Sharma and A. Shukla, In Low Carbon Energy Supply - Trends, Technology, Management (book published by Springer-Verlag Publishers).

Books Published

1. Sustainability through Energy Efficient Buildings, Edited Book, Ed. A. Shukla and A. Sharma, 2018, Published with CRC press/Taylor & Francis Publishing USA, ISBN 9781138066755.
2. Low Carbon Energy Supply - Trends, Technology, Management, Edited Book, Ed. A. Sharma, A. Shukla and Lu Aye, 2018, Published with Springer Nature Singapore Pte Ltd., Singapore, ISBN 9789811073250.

Invited Talks

1. Invited talk - "Application of Phase Change Materials for Thermal Energy Regulations of PV Panels" at International Symposium on Advances in Functional and Biological Materials

organized by Humboldt Academy & University of Lucknow held on 28th February, 2019 at Lucknow.

2. Invited talk - Application of Phase Change Materials for thermal regulation of PV Panels and indoor comfort and chaired a session at International Conference on "Frontiers in materials from Basic Science to Real time Applications" held at CNMS, JAIN University, Bengaluru, India on 13th–16th March 2019.

Dr. M.S. Balathanigaimani, Associate Professor

Publications:

- i. K.J. Hwang, M.J. Hwang, M. S. Balathanigaimani, K. Nwe, Y.J. Youn, W.S. Choi, H.A. Kim, J.W. Nah, W.G. Shim, Adsorption characteristics of light gases on basalt rock-based zeolite 4A, *Adsorption*, 25 (2019) 833
- ii. W. S. Coi, K.J. Hwang, C. Choi, S.K. Hong, S.D. Yoon, M. S. Balathanigaimani, S. C.Kim, J. W. Nah, W.G. Shim, Adsorption of Nitrate and Phosphate on Basalt Based Nanostructured Zeolite 13X, *Journal of Nanoscience and Nanotechnology*, 19 (2019) 2329
- iii. Navroop Singh Goraya, Neetoo Rajpoot M. S. Balathanigaimani, Coal Bed Methane Enhancement Techniques: A Review, *Chemistry Select*, 4 (2019) 3585
- iv. Divyam Jha, N.M.Mubarak, Mohd Belal Haider, Rakesh Kumar, M. S. Balathanigaimani, J.N. Sahu Adsorptive removal of dibenzothiophene from diesel fuel using microwave synthesized carbon nanomaterials, *Fuel*, 244 (2019) 132
- v. Mohd Belal Haider, Divyam Jha, M. S. Balathanigaimani, Rakesh Kumar, Modelling and simulation of CO₂ removal from shale gas using deep eutectic solvents, *Journal of Environmental Chemical Engineering*, 7 (2019) 102747
- vi. Mohd Belal Haider, Divyam Jha, M.S. Balathanigaimani, Rakesh Kumar, Thermodynamic and Kinetic Studies of CO₂ Capture by Glycol and Amine-Based Deep Eutectic Solvents, *Journal of Chemical & Engineering Data*, 63 (2018) 2671
- vii. M. S. Balathanigaimani, Mohd Belal Haider, Divyam Jha, Rakesh Kumar, S. J. Lee, W.G. Shim, H.K. Shon, S. C. Kim and H. Moon, Nanostructured Biomass Based Carbon Materials from Beer Lees for Hydrogen Storage, *Journal of Nanoscience and Nanotechnology*, 18 (2018) 2196

Any other Information:

- i. Patent: Navroop Singh GORAYA and M. S. Balathanigaimani, Membrane-cryogenic Hybrid Arrangement and a Method of Carbon Capture thereof, (Application no. Temp/E-1/16249/2019-Del, Ref. No.- 201911015419), Indian Patent.
- ii. Project Proposal Reviewer: National Science Centre, Poland

Dr. Abhay Kumar Choubey, Associate Professor

Research paper communicated: 3

1. Kinetic and isothermal study of effect of transition metal doping on adsorptive property of zinc oxide nanoparticles synthesized via green route using Moringa oleifera leaf extract, Vartika Srivastava and Abhay Kumar Choubey, *Journal: Materials Research Express (IOP Science)*, July 15, 2019. Under review
2. Synthesis and characterization of crosslinked polyvinyl alcohol and polyvinyl pyrrolidone and their blend for water shut-off treatments, Reena, Abhinav Kumar, Vikas Mahto, Abhay Kumar Choubey, *Journal: Journal of Molecular Liquids (Elsevier)*, August 2019. Under review
3. Experimental investigation of the gelation behaviour of green route synthesized ZnO nanoparticles reinforced PVP/RF gels and their evaluation for water shut-off treatment,

Reena, Vartika Srivastava, Abhay K Choubey, Vikash Mahto, Journal of Petroleum Science and Engineering, October 2019 (Elsevier). Under review

Research paper published: 3

1. Synthesis of nanostructured silver particles using Citrus limetta peel extract via green route for catalytic degradation of azo dyes through electron relay effect, Vartika Srivastava and Abhay Kumar Choubey, Journal: Advances in Natural Sciences: Nanoscience and nanotechnology, Volume 10, Number 4, 2019. (IOP Science)
2. A Review on Advancements and Challenges of Catalytic and Non-Catalytic Waste Water Treatment Processes, Abhay Kumar Choubey, Yasha Shukla, Journal of Water Pollution & Purification Research, Vol. 6, No. 1 (2019).
3. Green synthesis of biogenic silver particles, process parameter optimization and application as photocatalyst in dye degradation, Vartika Srivastava and Abhay Kumar Choubey, Journal: SN Applied Sciences (Springer), Submitted on April 29, 2019. Accepted for publication

Research paper in international conference: 3

1. PVA Crosslinked Gel for Improving Sweep Efficiency and Water Shut-off Jobs in Hydrocarbon Bearing Reservoirs, Reena and Abhay Kumar Choubey, International Conference on Advances in Polymer Science & Technology, November 1-3, 2018, Kathmandu, Nepal.
2. Gelation Study of Polymer Gel for Water Control in Petroleum Reservoirs, Reena and Abhay Kumar Choubey, International Conference on Frontiers at the Chemistry-Applied Sciences (FCASI 2018), December 21- 22, 2018, Jaipur, Rajasthan.
3. Extraction, Characterization and Biological Studies of Phytochemicals present in Catharanthus roseus, Vartika Srivastava and A. K. Choubey in an International Conference on Advances in Analytical Sciences (ICAAS), 15-17, March 2018, Dehradun.

Book chapter: 2

1. Herbal Materials as Thermal Energy Storage Materials, Abhay Kumar Choubey and Vartika Srivastava, Latent Heat-Based Thermal Energy Storage Systems, Materials, Applications and the Energy Market, Apple Academic Press, USA, 2019 (ISBN: 9781771888585).
2. Gelled polymer systems in improving sweep efficiency and controlling water for hydrocarbons reservoirs: A review, Reena and Abhay Kumar Choubey, LAP Lambert Acad. Publishing, Germany, July 8, 2019. Published

Book reviewed: 1

Ph.D. Thesis evaluated: 1

International fellowship reviewed: Twice

Petroleum product testing course taught in training program for IOCL officers: Five times

Courses taught in UG & PG programs: 4

Dr. Anirban Mukherjee, Assistant Professor

Publications

1. Gupta Satish & Mukherjee, Anirban. Senicide in India: A Sociological Study. The Indian Journal of Gerontology Vol. XXVI No. III and IV 2019 17-26
2. Mukherjee, Anirban. Evaluating the Implication of RTE Act on Tribal Education in India Shanlax (An UGC Approved International Peer-Reviewed Journal of Arts, Science, and

Humanities) Vol. 5 (7) 38-42 (c) Refereed Conference Research Papers (Published ones during the report period) Information to be given in the order as below:

1. Anirban Mukherjee Tribal Community Involvement in Sarva Shiksha Abhiyan: A Case Study Social Inclusion and Empowerment Through Education, Allahabad, 2019, 149-156

Dr. Shivanjali Sharma, Assistant Professor

Publications

- Beg, M., Sharma, S., & Ojha, U. (2018). Effect of cationic copolyelectrolyte additives on drilling fluids for shales. *Journal of Petroleum Science and Engineering*, 161, 506–514.
- Perween, S., Beg, M., Shankar, R., Sharma, S., & Ranjan, A. (2018). Effect of zinc titanate nanoparticles on rheological and filtration properties of water based drilling fluids. *Journal of Petroleum Science and Engineering*, 170, 844–857.
- Perween, S., Thakur, N. K., Beg, M., Sharma, S., & Ranjan, A. (2018). Enhancing the properties of Water based Drilling Fluid using Bismuth Ferrite Nanoparticles. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 561(October 2018), 165–177.
- Beg, M., Singh, P., Sharma, S., & Ojha, U. (2018). Shale inhibition by low-molecular-weight cationic polymer in water-based mud. *Journal of Petroleum Exploration and Production Technology*, 1-13. <https://doi.org/10.1007/s13202-018-0592-7>
- Sharma, Shivanjali. Mahto, Vikas. and Sharma, V. P." Study of Wax Inhibition in the Indian Waxy Crude Oil by Polarizing Microscope and its Effect on Rheology", *Journal of the geological society of India*, (Accepted for publication)

Chapter 8

New Establishment at RGIPT

Academic Blocks & Hostel

Procurement of Furniture for Hostel Blocks, Class Rooms and Vivekanand Sabhaghar.

Before the start of RGIPT Jais campus with effect from October' 2016, RGIPT campus was operating from its temporary campus at Rae Bareli. The furniture in Rae Bareli campus was purchased in phase wise manner, depending upon the requirement and therefore, after the shifting of same to Jais campus, the said furniture was not been able to discharge its functional usage. Moreover with the increased numbers of intakes and new layout of the area, the need of new furniture was arisen. Since it was not easy to purchase the whole of the furniture, in a single stroke, It was decided to purchase the furniture, in a phase wise manner and in the same line, the furniture for 542 rooms of hostel blocks, 16 No's of class rooms and 430 No's of chairs for Vivekanand sabhaghar were purchased. After the installation of the said furniture at the mentioned locations, RGIPT was able to utilize the said area, to their maximum extent.



Post office at Commercial Complex

RGIPT Jais campus came into the existence w.e.f 7th October' 2016 on self-sustainable model and therefore, commercial complex was also built along with the other infrastructure. Further, to establish the basis need and amenities of the residents, within the campus, one of the shop space

has been facilitated into the post office, wherein the infrastructure has been developed by the institute. The total area covered for the post office is of 416 Sq. ft.

Central Library

RGIPT, Central Library automation using SOUL Ver 2.0 –integrated library management software of INFLIBNET (UGC). Central Library is now accessible at World Wide Web (WWW) using the URL: <http://192.168.3.11/webopac/> or Institute website <http://www.rgipt.ac.in/>. Now using this URL or website – one may access the bibliographic records just entering any data elements - author, title, subject, keyword, publisher, Class number or year of publications, etc.



Central Library of RGIPT is presently functioning in the RG plaza of RGIPT. Its building is centrally air-conditioned, equipped with all such facilities and services essential for its readers. It has a good reading environment & sufficient space for shelving books and other reading material.

Central Library also subscribed

11 Printed Journals

1. Geological Society of India 2. Science, 3. Hydrocarbon Processing, 4. Journals of Indian Institute of Science, 5. Oil and Gas Journals, 6. Oil Asia Journals, 7. Chemical Engineering, 8. Earth System Science, 9. Resonance, 10. American Scientist .11. Current Science.

8 Magazines

1. Time Magazine; 2 Digit; 3. Down to Earth; 4. PC Quest; 5. Education World; 6. Parents World; 7 Sociological Bulletin; 8. Economic and Political Weekly.

10 Full-text online Journals

1. American Chemical Society; 2. Society of Exploration Geophysics; 3. Journals of Fluid Mechanics; 4. Geological Magazine; 5. CAS Sci-Finder; 6. S.E.P.M; 7. Emerald Management; 8. EBSCO; 9. One Petro; 10. AAPG

5. News Papers

1. Times of India; 2. The Hindustan; 3. Business Standard; 4. Dainik Jagaran; 5. Hindustan

Installation of the Bronze Paint Finish resin fibre sculpture of Swami Vivekanad.

RGIPT, being an academic institute always conduct motivational lecture series for the student. The lectures helps them to increase their confidence and perception regarding the way of living life. Further it will help them to focus on their academic as well as professional goals, with proper planning and determination. In the same line and to bring the significance to the name of Vivekanand lecture hall, it was decided to install the sculpture of Swami Vivekanad, in the close vicinity of same. Accordingly the sculpture of Swami Vivekanad was installed on December' 2018. The said 21 feet sculpture is made up of resin fibre, metal structure and is having the bronze finish paint.

VISITOR'S HOSTEL

VISITORS' HOSTEL Housed in an imposing doubled storied building and located at the Entrance of Residential Area. Visitors' Hostel provides boarding and loading facilities for the Institutes guests, newly appointed faculty and staff members, delegates and participations attending various conferences, seminars, symposia and workshops.

The Visitors' Hostel are operated as a non-profit activity to mainly support the academic and research activity on the campus with a homely atmosphere and ambience, traditionally acclaimed for its environs of hygiene and food of homely relish and richness.

The following are the various activities undertaken by the team managing the affairs of the Visitors' Hostel –

1. Accommodation

a) Visitors' Hostel has been equipped with fully furnished rooms and the details is as follows –

17 Single AC Rooms with Double Bed

06 Double AC Rooms with Double Bed

02 Rooms for Staff

01 Room for Storage facilities

All the rooms have attached bathrooms with modern amenities.

b) All the rooms have Cable & Wi-Fi Connections.

2. Dining Facility: Visitors' Hostel provides dining facilities to In-house guests of Visitors' Hostel, and for important Institute activities. The Visitors' Hostel has 1 Air-Conditioned Dining Hall with capacity of 30.

3. Conferencing Facilities: We have a conference room for a capacity of 15 persons.

4. Additional Facilities:

a) Centralized booking system

b) All the rooms have an internet connection.

c) All the rooms have cable connections with Color Television Set.

d) Few rooms have a small refrigerator.

e) Facility of intimation of confirmation of booking through an e-mail.

An increase in facilities, services and a more professional approach has led to more transparency in day to day functioning of the system and increased occupancy rate, thus achieving more financial visibility in terms of operational expenditure.

NMR Lab

As per the guidelines of manufacture and to protect the other area from the radiation of magnetic radiations, a separate area was developed with the help of aluminum partitions. To avoid the leakage of said radiations and looking to safety of fellow scholars, in other labs, the partition was taken right upto the roof. The total area developed for the NMR lab was of 470 Sq. Ft.

Execution of Gas Pipeline Work for Hostel mess area.

Our hostel is divided into 5 Nos of Block, namely A, B, C, D & E. The ground floor of A Block has the facility of student mess, which is further divided into the dining area and cooking area. As such, the cooking area does not have the provision of dedicated gas bank and piped gas supply. Looking to said reason and in view of the safety & security of the residents of the hostel, the gas bank and piped gas supply was installed in the said area on November' 2018. The installation of the said facility has helped the mess contractor by having the multiple location of the cooking points and further in maintaining the proper up keeping of the said area.

Electrical work

135 Kwp Solar Panels

Solar rooftop panels, under the Renewable Energy Service Company (RESCO) Model, as per the guidelines of MNRE (Ministry of New and Renewable Energy) were installed at RGIPT Jais campus in October' 2018. Under the said scheme, around 418 No's of panels of size 1 meter x 2 meter were installed over the buildings of RGIPT Jais campus, resulting a generation of 135 KW DC power, which is again converted in AC Power with the help of power conditioning units. The whole of the system is connected with the Uttar Pradesh Power Corporation Limited (UPPCL) grid and units import/export thereof is monitored through a net Meter.



The building wise breakup of 135 KW is as follows:

Capacities on inverter installed at different buildings

Sl. No.	Name of Building	Capacity of Inverter
1	Boys Hostel	50 kW
2	Academic Block-1	30 kW
3	Academic Block-2	40 kW
4	Commercial Complex	5 kW
5	Healthcare Centre	10 kW

UPS

RGIT Jais campus came into the existence w.e.f 7th October' 2016 and since then was operating either on UPPCL supply mode or on Diesel generator supply mode. Therefore, to avoid the failure of computer systems & network cards and further to provide the Un interrupted supply to the respective academic & administrative buildings, UPS of various capacities were installed in December' 2018, in the following manner:

Different ratings of the UPS installed in various buildings at RGIT

S. No.	UPS Capacity / Ratings					
	Location	UPS 3 KVA	UPS 5 KVA	UPS 20 KVA	UPS 40 KVA	UPS 60 KVA
1	Hostel	-	5	-	-	-
2	Admin Block 1	-	-	-	-	3
3	Admin Block 2	-	-	-	1	-
4	Auditorium	-	-	1	-	-
5	Academic Block 1	-	-	-	-	1
6	Academic Block 2	-	-	-	-	1
7	Guest Hostel	1	-	-	-	-
8	Residential Block	-	4	-	-	-
Total		1	9	1	1	5

Infrastructure

List of major achievement of Institute works Department (IWD) during the financial Years 2018-19

S. No.	Works	Date
Civil Works		
1.	Infrastructure setup of NMR Lab.	May' 2018
2.	Execution of Gas pipeline work for Hostel mess area.	November' 2018
3.	Procurement of Furniture for Hostel Block, Academic Class Room and Vivekanand Sabhagaar.	December' 2018
4.	Installation of Bronze paint finish resin fibre sculpture of Swami Vivekanand with metal structure.	December' 2018
5.	Setting up of Post Office at Commercial Complex.	January' 2019
Electrical Works		
1.	Installation of 135 Kwp Solar Rooftop Panel.	December' 2018
2.	Installation of UPS in AB1, AB2, RG Plaza, Sabhagaar.	December' 2018

Chapter 9

Students Life at RGIPT

Assam Centre

RGIPT Assam Centre students organized the 1st techno-cultural fest “Xiworong” of the institute from 22nd-24th March-2019. (Report attached herewith)

Jais Centre

Partidhwani, 2018

A programme for first year students, Fresher’s day, was organized by Cultural Committee. Director, RGIPT was invited as the chief guest for the event. The event consisted of performances from both second & first year students. Performing arts such as Drama, Music, Dance, etc were the major highlights of the event. Fun events like Talent show and Treasure-hunt were also conducted. Partidhwani ended with Star night and EDM night by the performances of professional band and EDM artist.

Republic Day, 2019

On 26th of January 2019 Republic Day programme was organized by Cultural Committee, in which second and first year participated in different events such as Dance, Drama, Music. Also a fashion show for students for class 5th was organized with theme “India Heroes”.

It ended with vote of thanks by Director RGIPT and national anthem. Theme for different event were

- 1) Drama- Struggle for Independence
- 2) Music- Patriotic Songs
- 3) Dance-Abstract and Dramatic

1. Mini marathon (31st October 2018): The event ‘Run for Unity’ was organized to celebrate birth anniversary of Sardar Ballabh Bhai Patel. There were more than 180 participants including Faculty and Staff members and their kids, and students of RGIPT. Prizes and certificates were given to top 5 winners in men and to top 2 winners in women.
2. Energia 2019 (8th March – 10th March 2019): The annual sport festival of the Institute was organized. Here are details of the event:

Number of Participants: 350 (Girls: 80 and Boys: 270)

Number of Participating Institutes: 11

Name of participating Institute:

- Rajiv Gandhi Institute Of Petroleum Technology, Jais
- Amity University, Lucknow
- Lucknow University, Lucknow
- Government Polytechnic, Lucknow
- Isabella Thoburn college, Lucknow
- City Academy Law College, Lucknow
- Delhi University, Delhi
- National Institute of Fashion Technology, Raebareli
- Feroze Gandhi Institute of Engineering and Technology, Raebareli
- Feroze Gandhi Institute of Professional Studies, Raebareli
- Ranvir Rananjay Post Graduate College (RRPG AMETHI), Amethi

Types of Sports Events:

- Basketball (M & W)
- Volleyball (M & W)
- Badminton (M & W)
- Lawn Tennis
- Table Tennis (M & W)
- Kabaddi, Kho-Kho & Chess.

Type of Information Sports Event:

- Futsal
- Box Cricket
- PUBG

Achievement of RGIPT:

Different positions/awards received by the students of the RGIPT

S. No	Sports Events Category	Position
1.	Volleyball (Women)	Runner up
2.	Badminton (Women)	Runner up
3.	Lawn Tennis (Men)	Winner
4.	Table Tennis (Women)	Runner up
5.	Kabaddi (Men)	Runner up
6.	Chess (Men)	Winner
7.	Table Tennis (Men)	Runner up
8.	Kho-Kho (Men)	Runner-up

RGIPT was also winner in all information sports event.

Overall winner of Energia 2019: RGIPT

Glimpses of ENERGIA



Glimpses of volley ball match



Glimse of Basket Ball event



Glimses of badminton womens match



Glimses of the challenging chess game



A brilliant game of table tennis in action



The Indian sport Kabbdi in action



The brilliant game of Kho-Kho

Apart from above RGIPT also organized intramural sports events during the period: 1st April 2018 – 31st March 2019. The competitions within the college were organised throughout the year. It started with tournaments between freshmen students to involve in sports and extracurricular activities. Later, several competitions were organised in Badminton, Chess, Carrom, Basketball, Volleyball, Lawn Tennis, Table Tennis and Football across among different teams consisting of all-year students.

Cricket club also organised tournaments in the college. Some of them are:

1. Petroleum Fatta League (PFL) involving four teams formed through auction. The league was overwhelmingly successful in gaining attention of the college students and faculties.
2. Intra Tournaments involving teams from various years and branches of the college.

Achievements and Participation in Other Colleges

Sports team of RGIPT participated in sports festivals of various institutes such as FGIET, FDDI and IIT BHU. Here are the achievements:

1. Winner of Men's Volleyball in FDDI Sports Tournament.
2. The RGIPT Badminton Teams were winners in Women's Singles, Women's Doubles and Men's Doubles in FDDI Sports Tournament. The Men's Singles Team emerged as Runner-Up.
3. The RGIPT Chess team bagged the winner, the first runner-up and the second runner-up trophies in the FDDI Sports Tournament.
4. The RGIPT Chess Team reached in Top 6 at IIT BHU and performed energetically in other sports.

Gym Facilities For Girls

RGIPT Sports Council has always admired and valued the enthusiastic participation of women in sports activity. Institute has given every possible support in making campus stress free for girl students. The council developed a separate gym facility for women.



Chapter 10

Assam Center

Introduction of Assam Centre

(A) Objective of setting up of RGIPT Assam Centre

As per the Revised DPR (2017), the objective of setting up of Assam Centre is offering of the programmes of education and training of skilled technical manpower at the certificate, diploma and post diploma level in various areas in the domain of petroleum, petrochemical and allied sector, training & certificate programmes (refresher and induction) for working professionals of oil and gas, petrochemical and allied companies, to serve as a Skill Development Centre for the North-East Region and to offer B. Tech in Fire Safety Engineering.

The Assam Centre will cater to the need of training of the underprivileged, unemployed, unskilled, semi-skilled people in a state of art technology and making them skilled and employable to enable them to work or to start their own enterprises with great results and building success stories as per the vision of the Prime Minister to promote skill centre in the country.

(B) Project History:

(A) The total land allocated to RGIPT by State Govt of Assam is 100 acres. In the first phase, earth filling/site grading and piling has been done on land area of 35 acres at a capital cost of Rs.27.59 crore. The fund has been sourced from the total capital fund of Rs. 37.80 crore contributed by the Assam based Oil PSUs.

(B) The initial project cost (2009) of Assam Center was Rs.325 Crore (comprising Rs. 143 crore capital fund for construction and Rs.182 crore for endowment fund to meet revenue expenses). Proposal mandated that the capital fund will be shared by OI DB and Oil PSUs in the ratio of 65:35. In view of delayed execution of construction due to site related issues, the construction cost was revised from Rs.143 crore to Rs.235 crore. The commitment for meeting the additional expenditure of Rs.92 crore was obtained from OI DB and the contributing Oil PSUs in the same ratio of 65:35, by MoPNG. The matter of this sourcing of fund was, however, not taken forward

(C) Meanwhile, RGIPT was advised by MoPNG to prepare a revised project estimate for drawing the revised capital fund for construction from Government Budgetary Support. As per the revised DPR (2017) approved by RGIPT Board, the project cost stands revised to Rs.880.10 crore (which includes Capital Expenditure of Rs.396.32 crore + Endowment fund of Rs.483.78 crore). The revised EFC note along with DPR has been submitted to MoPNG on 17th November 2017.

(D) As on 31.3.2018 the total endowment fund of Assam Center received by RGIPT from Oil PSUs stands at Rs. 233.17 crore (includes surplus interest of Rs.86.84 crore earned). The total capital

fund receipt from Oil PSUs is Rs.37.80 crore (out of which Rs.27.59 crore has been incurred for construction leaving a balance of approx. Rs.10.21 crore).

Academic activities status:

- (A) RGIPT Assam Centre at district Sivasagar was launched for offering programs of education and training of skilled technical manpower at the certificate, diploma and post diploma level in various areas in the domain of petroleum, petrochemical and allied sector to serve as a Skill Development Center for the North-East Region.
- (B) Based on the consent of MoPNG, the academic session at RGIPT Assam Centre, Sivasagar started from 18th September 2017 in 3 diploma courses in Petroleum Engineering, Chemical Engineering and Piping Engineering with 30 students in each discipline from the premises of Sivasagar Commerce College & later after one year the classes were shifted to the Temporary Campus constructed in RGIPT's own land. The admission is done through Polytechnic Admission Test (PAT) conducted by Directorate of Technical Education (DTE), Assam Govt. In the first three batches there are total of 264 students. The students are all Class X pass out selected through PAT.
- (C) RGIPT Assam Centre have appointed 12 faculty members on contract basis (The faculty details have been attached in a separate excel sheet-Annexure 1).
- (D) The 1st batch of Diploma students will pass out in June-2020 .
- (E) RGIPT Assam Centre has the following committees for smooth running of the institute:
 - (a) Training & Placement Committee
 - (b) Examination Committee
 - (c) Students Grievance Redressal Committee
 - (d) Sports & Cultural Committee
 - (e) Women Cell
 - (f) Anti Ragging Committee
 - (g) Tender Preparation & Evaluation Committee & Tender Opening Committee
 - (h) Purchase Committee
 - (i) Library Advisory Committee
- (F) For teaching English/Communication Skills, Basic Electrical/Electronics Engineering & Fundamentals of Computer Engineering subjects guest faculties are being appointed on per class basis payment system.
- (G) Industry experts from nearby Oil & Gas PSUs & also from private E&P companies are sometimes invited to interact with the students.

Offices/ Classroom / Lab activities, transportation & rent being paid on these aspects:

- (A) In order to provide the basic infrastructure facilities for starting the Diploma Courses approval was taken from MoPNG for setting up of a temporary campus on its own land at Sivasagar. RGIPT was permitted to incur capital expenditure up to Rs.15.00 crore out of the surplus interest earned on endowment fund (Ref. MoPNG' s Letter no. J-25021/5/2014-Gen dated 14.2.2017).
- (B) An educational Campus has since been constructed on RGIPT land by CPWD, Assam having 6 nos of classrooms with seating capacity of 30 students in each room, two rooms for Physics

and Chemistry laboratories, 3 faculty rooms, a Principal office room, one Administrative office room, one Conference room, one Computer Centre having capacity to accommodate 30 computers, one small Library and one small Exam room.

The above campus was completed in March 2017. Capital expenditure incurred for construction of campus is Rs. 4.28 Crore. All campus activities and study takes place in this campus.

Table 5: The detailed facilities of the Campus

Sl. No.	Description	No	L (Meter)	B (Meter)	Total (Sq.m)
1	Verandah	1	6.55	2.00	13.10
2	Faculty room 1	1	6.72	3.30	22.16
3	Faculty room 2	1	4.93	3.37	9.19
4	Toilet 1 (attached with Faculty room 1)	1	4.93	1.87	9.19
5	Faculty room 3	1	5.00	5.00	25.00
6	Principal room	1	5.00	3.62	18.08
7	Toilet 2 (attached with Faculty room 2)	1	2.00	2.00	4.00
8	Toilet 3 (attached with Principal room)	1	2.00	1.80	3.60
9	Administrative office room	1	3.37	4.29	14.44
10	Wash room for physically Challenged	1	1.17	1.32	1.54
11	Wash room for girls students	1	3.39	2.75	9.31
12	Physics Laboratory	1	6.00	4.00	24.00
13	Class rooms	6	6.20	5.60	208.32
14	Kitchen	1	3.42	3.87	13.22
15	Canteen	1	5.87	3.89	22.79
16	Chemistry Laboratory	1	6.00	4.00	24.00
17	Conference Room	1	5.65	10.62	59.97
18	Examination Cell	1	3.00	3.00	9.00
19	Court Yard	1	7.72	14.26	110.09
20	Corridor	2	21.60	2.10	90.72
21	Corridor	2	10.90	2.10	45.78
22	Waiting area	1	3.62	1.80	6.51
23	Corridor	1	21.72	2.10	45.61
24	Waiting area	1	5.53	5.83	32.24
25	Boys Students Toilet	1	5.65	3.39	19.13
26	Computer Centre cum Library	1	5.65	10.62	59.97
				Total	900.95

(C) The details of premises & vehicles taken on rent has been attached in a separate sheet-Annexure 2

Administrative set up for approving note & expenditure:

- (A) Approval notes are prepared by Acting Principal & forwarded for recommendation by Professor-in-charge before final approval by Director RGIPT.
- (B) All local bills are verified by Administrative Office (Syed Minhazul Haque- on deputation from ONGC) & sent to RGIPT Noida Office for payment. All financial activities of Assam Centre are being taken care of by RGIPT Noida office.

Students details:

Details of the student actual strength against the sanctioned strength

STUDENT'S DATA				
Programmes	2017		2018	
	Sanctioned Strength	Actual Strength	Sanctioned Strength	Actual Strength
Diploma in Petroleum Engineering	30	30	30	29
Diploma in Chemical Engineering	30	30	30	30
Diploma in Piping Engineering	30	30	30	28
Total	90	90	90	87

Land details:

Govt of Assam vide letter No.RSS.117/2009/42 dt.19.11.2009 (copy enclosed) transferred to RGIPT a plot of land measuring 100 Acres of Govt. Grazing land . RGIPT made a payment of Rs.60,97,535.00 to Govt. Of Assam as premium and capitalised land revenue for the 100 acres of land allotted to RGIPT.

Ongoing Construction activities:

- A) RGIPT has further paid an amount of Rs 3.00 crore (as deposit) to CPWD (from balance amount of Rs.10.21 crore received as total capital fund from Oil PSUs) for construction of an Engineering Workshop for students. Construction of the said Engineering Workshop by CPWD is currently going on. For offering skill based advanced Diploma Courses like Petroleum & Piping Engineering (RGIPT Assam Centre is the only institute in the nation to offer these advanced Diploma Courses), it is extremely essential to provide hands on training to the students. The tentative date of completion of the said workshop is 06/12/2019
- B) An additional amount of Rs 2,59,29,900/- has been sanctioned by RGIPT to CPWD (from balance amount of Rs.10.21 crore received as total capital fund from Oil PSUs) for construction of 4 numbers of additional classrooms for accommodating the new batch of students admitted in this academic session. Construction of the said classrooms by CPWD is currently going on. The tentative date of completion of the said classrooms is December -2019

Any future plan:

Presently, Assam Centre does not have infrastructure for Engineering laboratories, mess, faculty and staff residence, students' hostel, playground etc.

The laboratories for Petroleum Engineering & Piping Engineering students are been conducted at Dibrugarh University & the laboratories for Chemical Engineering students are been conducted at IIT Guwahati.

Considering these circumstances RGIPT Board in its 54th meeting has approved the utilization of surplus interest out of the endowment funds to the tune of Rs. 34.00 crore for construction of the above mentioned infrastructures & the release of the said fund has been approved by MOPNG through its letter dated 25th March 2019.

Any other information you would like to present:

1. RGIPT Assam Centre has been using the services of one Admin Officer- Syed Minhazul Haque (on depuation from ONGC) & one Project Manager –Mr. B.K. Shyam (on depuation from Oil India Ltd). Both of them have come on depuation for a period of 2 years & Syed Minhazul Haque's depuation period will end on 20/02/2020 & Mr. B.K. Shyam's depuation period will end on 20/01/2021.



Chapter 11

Bangalore Energy Center

Third campus of RGIPT, “Energy Institute, Bangalore” is proposed in Bengaluru – which is envisioned to be a distinguished energy research institute offering world class research, and education, so as to be ranked in the top 20 institutes of the world in next 20 years.

The purpose of the Energy Institute is to drive economic growth through Energy R&D, Technology development, Energy innovation and entrepreneurship. The Institute would conduct cutting-edge industrial, technological, and basic research; Offer education to students; and Training to industry professionals in the field of energy. The institute is also aiming to create Energy Experience Centre, Incubation Cell / E-Cell, Office of licensing and commercialization to facilitate immersive experience of energy technologies.

For setting up of the Institute, a land of 150 acres has been allotted to RGIPT by Government of Karnataka in Kambalipura, Hosakote Taluk. While construction of this Centre of Excellence in Kambalipura land would require a few years, academic sessions would begin from the year 2018-19 from a temporary campus of Visveswaraya Technological University Campus, Muddenahalli (Chikkaballapur District). To start with three M Tech Programmes are designed in the fields of Renewable Energy, Power and Energy Systems Engineering and Energy Science and Technology that would commence from September 2018.

A Centre of Excellence, is proposed to be set up; a state of the art campus would be developed in 150 acre land in Kambalipura, Hosakote Taluk. A temporary campus is also being set up at Muddenahalli (Chikkaballapur District), the birth place of Engineer Statesman, Sir M Visveswaraya for commencing with three M Tech Programme designed in the fields related to energy.

Programmes Offered

Energy Institute, Bangalore is conducting M Tech Programmes in the field of Energy from the academic year 2018-19

- M Tech in Renewable Energy
- M Tech in Power and Energy Systems Engineering
- M Tech in Energy Science and Technology

Chapter 12

Happenings at RGIPT

Assam Centre

Assam Startup has shown interest to sign a MoU with RGIPT Assam Center to establish an Entrepreneurship Development Cell (EDC) and promotion of Entrepreneurship activities at our campus.



Young entrepreneurs explaining their entrepreneurial journey and interacting with students. From left – Miss Daydeep Chetia (Lets learn together) Mr. Dipmoina Duwarah (Okegiga Holiday Pvt. Ltd), Mr. Bijoy Shankar Rajkumar (North East Guide)

Mr.Kankan Jyoti Kharghoria ,Community Coordinator IIM Calcutta Innovation Park (Assam Startup) explaining about different government schemes for start-ups and application procedure, eligibility etc.

Jais Centre

Advanced Training Program on Refining Economics and Margin Improvement 5–7 September 2018

Department of Management Studies, Rajiv Gandhi Institute of Petroleum Technology conducted a Management Development Training Advanced Program on Refining Economics and Margin Improvement from 05th to 07th September 2018.

The Advanced Training Program was designed to increase the understanding on various elements in Value Chain of Refinery Profitability and ways and means to maximize margins. The participants learned how margins are calculated, what affects refinery margins and identification of action items for improving margins. The course created and propagated a sense of awareness of the factors and technique for refinery profitability and margins.

Industry Experts from India and abroad were the faculty to the Training Program. 36 participants from various refineries of PSU Oil companies participated in the training program who found the training to be very useful for inculcating the same in their work.

Presented by S & T Council of RGIPT

Science & Technical Council, is the student technical activities body of RGIPT. Different technological activities are conducted for and by the students under S& T activities. Tinkering Lab, Kode Club, and E-Cell are originally three club activities promoted under this council. Inspiration was to create a technological model which will be useful to meet certain needs of the industry. Building of model using IoT needs software to integrate, the Kode club is planned to cater to that needs. Finally the exciting models also require opportunity to upgrade to commercially viable business models. Which demands E-Cell to shape it to business models. Hence S & T Council encourages students to work on building their models all through the year. Year-long model making requires training and competing with other to find uniqueness in modeling. These two requirements are planned to be met through organization of Winter School and Annual Technical Festival Urjotsav. Students, mentored by faculty members work to foster technical, entrepreneurial, and management skills in institute students. Students are offered platform to convert ideas to prototypes and prototypes to products. Simultaneously, there is also a mission to train the upcoming Oil & Gas Industry's workforce for the Digital Transformation. To this end, various lectures, workshops, projects as well as competitions are also planned throughout the year to keep the participants engaged, and busy in learning. Various S&T programs are received by the institute's students and faculty members with lots of vigor.

S&T Projects

In the beginning of the semester, S&T Committee floated a dozen funded technical projects to the institute students. These projects were mainly on Data Science, Internet of Things, Hardware Programming, Android App Development, and Website Development. For most projects we aimed at finding relevance in Oil & Gas Industry. Each team consisted of 5-8 students from freshmen year, coordinated by a student from sophomore year, and mentored by a student from junior year. All projects were funded by S&T Committee.

Tinkering Lab

Every engineer is a Tinkerer. The curiosity of knowing how vast variety of things around us work is probably the reason we choose this noble profession. So to keep the Tinkerer alive and busy in a productive way, Tinkering Lab was started under the banner of S&T Committee to inculcate technical hobby hands in institute students. The Tinkering Lab offers the space & logistics for the people to collaborate together and turn ideas into products. It is a maker's place that motivates, mentors, and funds students with interdisciplinary projects & organizes regular getting started sessions. The lab offers a sack full sensors, modules, prototyping boards, peripherals & other hardware and are open to acquire more as per project needs.

Kode Club

We believe that every engineer should learn to program a computer, because it teaches you how to think. While students in RGIPT learn programming in their first year, they usually drop it after that. One of our goals is to help these people carry on with programming and retain it as the useful skill it is. For the people who already program, we wish to maintain a community of programmers from all spheres and help people reach greater heights. The focus areas of our club include Data Science, Machine Learning, Application Development, and Simulations for Oil & Gas Industry. We conduct getting started sessions for relevant software & programming languages. Kode Club also mentors & funds related S&T Projects and works on designing & developing institute's internal applications.

E-Cell

Entrepreneurship cell RGIPT is an organisation that functions to support and facilitate Industrial and commercial adaption of technologies that can create a positive change in our society. Entrepreneurship cell provides resources and consultancy from its knowledge pool to the prospective entrepreneurs of tomorrow, helping them grow their prototype into a marketable product for the masses or the Industry. Our team collaborate with Tinkering Lab & Kode Club to make their projects viable for market and strive to find apt platforms to launch and showcase them.

E-Cell Unicus

Entrepreneurship Cell organized a special event "Unicus", which provided our students with a chance to channel their inner entrepreneurial spirit and propose innovative solutions for niche problems. They mentored some internal projects like "Cycle Services in RGIPT campus", "Shuttle services from Jais to Lucknow" & "Food delivery from Rae Bareli to RGIPT" to inculcate entrepreneurship skills and encourage students to see new horizons.

Training Program for BPCL

Rajiv Gandhi Institute of Petroleum Technology (RGIPT), an Institute of National Importance, conducted its second training program on "Advanced Petroleum Refining Technology" for Chemical Engineers JG A-B from 28th to 29th January 2019 at Kochi Refinery Learning Centre. A total of 28 participants attended the program from various refinery divisions. The faculty members of RGIPT namely Dr. Rakesh Kumar, Dr. Milan Kumar and Dr. M.S. Balathanigaimani covered the following topics in the program, ENCON, Chemical Process Modelling & Simulation, Process Intensification, Heat Exchanger Design, CO₂ Capture Techniques, Advanced Separation Processes, Bottom of the Barrel Upgradation and Recent Advancements in Petroleum Refining".



Dr. Bala giving lecture in the training programme for BPCL employees

Training Program for IOCL

Fourth 2-week residential training program on "Refining Technology" for IOCL Officers from 28/05/2018 to 09/06/2018.

Background about the participants:

- Participants have been recently promoted to the officer cadre.
- Having refinery process experiences in the range of 8 to 31 Years.
- 18 Participants from IOCL refineries like IOCL Assam Oil Division (IOCL-AOD), IOCL Barauni, IOCL Bongaigaon, IOCL Guwahati, IOCL Gujarat, IOCL Haldia IOCL Panipat and IOCL Paradip refineries are currently attending our program.

About the Current Program:

- The program covers topics ranging from "chemistry of crude oil" to "Bottom of the barrel upgradation".
- Altogether, 44 sessions (each of 90 min) has been covered in this course.
- Offering Management related lectures (Finance, Marketing, Negotiation Skills, Change Management, Consumer Behavior, Supply chain Management and Refinery economics) along with the technical lectures to the participants is very special about the program.
- In-house faculty members from RGIPT, numbering 18, and 05 guest faculty members have delivered lectures in this program.
- Pre-program and post-program test have been also conducted.
- Feed-back on lectures will be taken on a daily basis.
- A course completion certificate will be provided to the participants.



A traing session for the IOCL officers

Fifth 2-week residential training program on "Refining Technology" for IOCL Officers from 22/10/2018 to 03/11/2018.

Rajiv Gandhi Institute of Petroleum Technology (RGIPT) conducted fifth 2-week training program on 'Refining Technology' for Chemical Engineers of Indian Oil Corporation Ltd from 22/10/2018 to 03/11/2018. A total of 17 participants attended the programme from various refineries of IOCL having the average industry experience ranging 15-25 years. The program was inaugurated by our honorable Director, RGIPT. The topics related to fundamental and recent advancements in petroleum refining technologies, HR, Finance, Supply Chain Management, Art of Negotiation, Marketing, Future fuels, Global Energy Scenario, Challenges and Opportunities in Petroleum Refining Technologies have been covered in this program. The Director and faculty members from the departments of Chemical Engineering & Engineering Sciences, Basic Science & Humanities and

Management Studies delivered lectures in this program. The external experts, namely Prof. S. Ray (IIT Kharagpur), Shri. Kabidas Mandal, (Ex-CGM IOCL) Shri Rishi Sahani and Shri Vikas Kumar from IOCL RHQ also took classes for the participants.



ICUER- 28.02.2019-01.03.2019

International Conference on Unconventional Energy Resources was intended to be a forum to discuss exploration and exploitation of unconventional energy sources like Coal Bed Methane, Shale gas/oil, Gas hydrates, associated challenges and the recent technological advances. The conference provided an opportunity and platform for students, academicians, researchers to network with educational leaders, industry professionals, business leaders and policy makers to come together.

ICUER Invited submission of novel, modern area of innovation and previously unpublished research work/idea in the field of unconventional energy resources and related applications as mentioned below.

- Approaches to screening and assessing unconventional plays
- Improvement of acceptance in community and public for developing unconventional plays
- Key factors to design and optimise well location
- Optimisation of production management for unconventional plays
- Production water management and disposal Geohazards in industry
- Reservoir characterisation and simulation for unconventional plays
- Reservoir protection of unconventional plays during drilling, completion, stimulation and production
- Technological advancement in unconventional resources extraction
- Unconventional reservoir quality
- Role of geoscience in Unconventional reservoir

The conference had 20 invited talks, 8 oral presentations while 22 poster presentations.



Winter School 2K19 Report

In this rapidly changing world, the goal of an ideal engineer must be to keep his skill set updated. However, the most that we learn at our academic institutes is knowledge, whereas the most that our jobs require is skills. This increases the costs for the companies to acquire & train talent and in essence, it increases unemployment. That's the gap we are trying to bridge by imparting skills that are in demand by companies with the: "Winter School 2019: Bridging The Skill Gap".

The S&T Committee strongly believes that our students must be equipped with technology skills like Data Science and Computational Fluid Dynamics. This will not only open for them new avenues to explore and research but also will make them more competent when it comes to the job market. A recent study showed that the demand for Data Scientists and Simulation Engineers is on the peak in this digital world that we are living in every day. The participants of the Winter School learned Data Science and Computational Fluid Dynamics through two parallel school tracks which for two days by professional trainers. Along with it, Winter School gave an opportunity for all the students to showcase their project work either through a prototype or a poster.



The program started on 19th January 2019 – Saturday morning at Vivekanand Sabhagar (Auditorium) by lightening of lamp by the Director(Prof. P. K. Bhattacharya), Deans and Chairman (S&T Committee), along with Saraswati Vandana. Following Projects were exhibited in Tech euphoria project exhibition

- Energy Flower
- Renewable Energy Mapping
- Wireless Electricity Transmission
- Land Rover
- Blue Bird (Data Analytic)
- Wireless Gas Sensing Processing
- Quadcopter
- College Utility App
- Home Automation System
- Durango Gaming Module

2 Day Workshop on Data Science was conducted by experts from Skyfi Labs covering following topics:

- Introduction to Machine Learning
- Broad Categories of Machine Learning Algorithms
- Machine Learning Algorithms Analysis Introduction to Python Programming
- Python Programming Usage of Python Standard Libraries Sorting & Searching Algorithms and Implementing them in Python.
- Python Standard Library

3 Day Workshop on Computational Fluid Dynamics was also conducted by expert from Skyfi Labs giving hands on experience on AcuSolve software by Altair Hyperworks covering following topics:

- Review of Fluid Mechanics & Advances Mathematics
- Basics of CFD Practice Session –
- Hands on experience for participants working on Altair Hyperworks
- AcuSolve Setting the flow physics Meshing, Solution Strategy & Solving
- Post Processing of Results
- Case Studies based on industrial problems in Energy Sector
- Group Discussion

The occasion was a stupendous achievement withstanding full support from all B.Tech, Ph.D., M.Tech and other students from close by establishment too. In excess of 60 undergraduate students enrolled in each workshop. The event ended with memorable group photographs of the winners of the Winter School Project & Poster Exhibition and S&T Committee family.

Organisation of Seminar by Women Cell

Women cell R.G.I.P.T organized a Seminar on Sexual Harassment Free Society: Utopian? on 8th March, 2019 (International Women's Day). A Speaker from POSHCA, an MOPNG empaneled NGO was invited to give a lecture. Also, Sub District Magistrate of Raebareilly, Mrs. Shalini Prabhakar was also invited to talk about the laws, rights and duties from administration side. Also, Dr. Jaya Srivastava and Director, RGIPT Prof. P.K Bhattacharya spoke on this very important and contemporary topic. Many faculties and girls students of RGIPT participated in the same.



OilSpring-2k18

OilSpring-2k18 was conducted on 1st and 2nd of December 2018. It consisted of following events: Consilium, Marketeneur, Vyapaar Dohaeris, Ascension, Optinext, N-ergion, Boisterous, Q-Topia, Markytics

Organising committee have included the following faculty members: Dr. Sanjay Kumar Kar, Dr. Pradip Kumar Parida, Dr. Saroj Kumar Mishra, Dr. Rohit Bansal

Following guest had invited as guest, judge and speaker for this event i.e. Sh. Ram Kinkar Jha, (PwC Consulting), Sh. Bhabani Sankar Mallick (Aditya Birla Capital), Ms. Anshua Mukherjee (Aditya Birla Capital), Sh Mohit Kokil (Markytics), Sh Sanjiv Kr Mishra (ICICI Bank)

The students from the following top and leading institutions had participated in the OILSpring 2018 i.e. IIM Lucknow, Jaipuria Institute of Management (Lucknow), NTPC Business School (Noida), Great Lakes Institute of Management (Chennai), IIM Kashipur, BR Ambedkar University, FDDI Rae Bareli, University of Delhi, Delhi Technical University, Feroze Gandhi Institute of Engineering and Technology



Unnat Bharat Abhiyan Cell, RGIPT, Jais, Amethi



Unnat Bharat Abhiyan is a flagship program of Ministry of human resources and development with an intention of empowering Rural India. On the same lines, UBA Cell RGIPT, which was initiated in 2017, has constantly striven for the inclusive growth of adopted villages which include Kesari Purwa, Mubarakpur Mukhetia, Raniganj, Alampur, and Mawai. During this year, we crossed a membership of more than 100 volunteers through which we could better serve the villages in terms of more frequent visits and activities targeting more than 300 children. We covered a diverse set of activities in the villages which were aimed at educating children, their all-round development and awareness campaigns. Regular weekly visits were made to adopted villages to provide mentoring to village kids on important subjects like general Science, Social Science, Mathematics, English and general awareness. Apart from that, fun learning was given focus by organizing drawing and painting competitions, essay writing competition and cultural events which would showcase the extracurricular skills of children. A sports fest was organized for the kids where different kinds of races and other sports activities were arranged. Also, a lot of sensitization campaigns and rallies were organized on issues of social importance like drive focused on water conservation and plantation, cleanliness drive on occasion of Gandhi Jayanti. To spread awareness on social issues like child labor and importance of hygiene, Nukkad Natak (Street play) were organized in villages.



ARPAN

ARPAN, the social club of the Institute was founded in 2009. The council evolved over the years taking tiny steps to become an instrument of social change. Today ARPAN consists of hundreds of devoted volunteers who care enough to believe they can make the world a better place. ARPAN volunteers work tirelessly to improve the lives of the under privileged section of the society.

The greatest barrier to development is illiteracy, thus the prime objective is to encourage young children towards education. Many volunteers visit the nearby areas for the Gyan Arpan Teaching Centres. The volunteers also prepare the students for admission in the Navodaya Vidyalaya and other prestigious government schools. Regular examinations are held at the centre and the meritorious candidates are rewarded. Apart from this, free stationery and books are also provided to all the students.

On Republic Day, every year ARPAN organizes a science fair, and many students from the nearby schools attend the event. The students of the Institute put up various science models highlighting the basics of science and its utility in our day-to-day lives.

The smile on the faces of children brings sheer happiness and satisfaction. This has inspired ARPAN to celebrate all the festivals amidst these children. The glow on their faces reflecting the light of the Diya on Diwali; the innocent joy of chasing the colourful kites on Makar-Sankranti; faces beaming with patriotism while singing the national anthem on Independence Day- are some instances which bring ARPAN and young children closer and make these festivals special.

Some of the notable initiatives taken by ARPAN include:

Cloth and Mattress Distribution

Clothes and mattresses are distributed among all the needy people in the nearby areas of Jais and Raebareli. The students as well as the faculty members of the Institute participate effectively in making this event possible.

Blood Donation

A decision to donate blood is one of the most selfless decisions one can take. ARPAN organizes a blood donation event each year in the campus itself in the presence of o medical staff and members of the Red Cross Society.

Swachh Bharat Abhiyan

The importance of cleanliness and hygiene is stressed through the numerous Swachhta campaigns undertaken by ARPAN. Cleanliness drives are organized in the nearby villages and social awareness is spread among the people.



Chapter 13

Administrative Officers & Staff

Administrative Staff at Jais Campus

D. Chakraverty
Finance Officer

Jitendra Prasad
Acting Registrar & Corporate
Communication Officer

Harish Kumar Yadav
Executive Engineer (Civil)

Anil Kumar Verma
System and Network
Administrator

Sudhir Arora
Store and Purchase Officer

Arun Kumar Singh
AR (Sec. to the Director)

Rakesh Kumar Singh
Assistant Registrar (Audit &
Accounts)

Saji Samuel
Assistant Placement Officer

Krishna Kant
Assistant Registrar

Saji Albert
Assistant Registrar

Md. Iltaf Zafar
Sr. Technical Superintendent

Shikha Malhotra
Account Officer

Utkarsh Srivastava
Assistant Engineer (Electrical)

Birjesh Pratap Singh
Assistant Engineer (Civil)

Rajesh Kumar Vishwakarma
Assistant Security Officer

Ankit Mohan
Junior Admin Officer

Deepak Asthana
Junior Technical
Superintendent

Dharmendra Pratap Singh
Physical Training Instructor

Lokesh Bhatnagar
Information Technology
Assistant

Arun Kumar Singh
Junior Technical
Superintendent

Shweta Negi
Private Secretary

Narian Kumar Lengay
Junior Admin Officer

Madhu Priya
Jr. Superintendent

Umesh Kumar Sharma
Jr. Superintendent

Tej Prakash Joshi
Jr. Superintendent

Vivek Bhaskar
Jr. Superintendent

Yogesh Sharma
Junior Accountant

Ashwini Kumar Chaudhary
Junior Assistant
(System)

Vivek Singh
Jr. Assistant

Ashok Kumar
Jr. Mechanic

Amit Kumar Bajpai
Junior Assistant

Preeti Singh
Junior Assistant

Umesh Kumar Sharma
Junior Assistant

Govind Kumar Tiwari
Junior Library and
Information Assistant

Krishna Kumar Sonkar
Junior Library and
Information Assistant

Amit Kumar Srivastava
Junior Assistant

Pradeep Kumar Verma
Junior Library and
Information Assistant

Ravi Dwivedi
Junior Assistant

Administrative RGIPT, Assam

Syed Minhazul Haque
Admin Officer (on contract)

Bijoy Kumar Shyam
Project Manager (on contract)

Administrative RGIPT, Bangalore

Mahabaleshwar S Shetti
Admin Officer (on contract)

P M Ramya
Admin Assistant (on contract)

Bhanushree N
Lab Assistant (on contract)

Naveen Kumar V
Admin Assistant (on contract)

Ravi Kumar R
Admin Assistant (on contract)

Mahesh K
Technical Officer (on contract)

Niveditha K R
Admin Assistant (on contract)

Sunil Bhat M
Office Assistant (on contract)

Raghu Pujari G
Admin Officer (on contract)

Raghu D J
Tally Clerk (on contract)

Chapter 14

Audited Financial Report of 2018-19

Accounts for the Year 2018-19

The Audited Accounts of RGIPT for the year 2018-19 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 33360.00 lakh (which includes Rs.25000.00 lakh contributed by the promoting Oil PSUs and surplus interest ploughed back) which 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.24950.00 lakh (which includes Rs.17783.00 lakh contributed by participating Oil PSUs and surplus interest ploughed back) which 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 2018-19	00.00	1632.00

Fund towards Capital Expenditure

The status of Capital Fund received as on 31.3.2019 from Government of India and Grant from OIDB/PSU is as follows:

A. Jais Campus:

- GOI Fund of Rs. 36910.00 lakh was received up to 2017-18. During the year 2018-19, no fund was received.
- OIDB Grant received up to 31.3.2019 amounts to Rs. 15963.00 lakh.

B. Assam Centre:

The Capital Fund received from PSU and OIDB as on 31.3.2019 amounted to Rs. 5568.00 lakh.

2. Reserve and Surplus (Schedule 2 to Balance Sheet)

General Reserve

During the year, Rs. Nil has been credited to General Reserve by way of transfer of the excess of income over expenditure as on 31.3.2019.

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.2609.00 Lakh.

3. Earmarked Funds: (Schedule 3 to Balance Sheet)

Earmarked Fund of Rs. 37.20 lakh as on 31.3.2019 represents the balance available in Scholarship Fund after disbursement of Rs 22.08 lakh during the year.

4. Deferred Credit Liability (Schedule 4 to Balance Sheet)

The amount of Rs. 56.11 lakh as on 31.3.2019 represents the balance amount of Research Project Grants received from various agencies

like Department of Science and Technology (DST), SERB, DAE, etc. for future utilization.

5. Current Liabilities & Provisions (Schedule 5 to Balance Sheet)

1. Rs. 41.91 lakh as on 31.03.2019 represents liability for unpaid bills towards revenue expenses/ bills.
2. Rs. 49.92 lakh is liability towards outstanding Statutory Dues for March 2019 payable in 2018-19.
3. Includes Rs. 464.79 lakh towards refundable EMD/ Security Deposit / Retention Money and Student Alumni / Welfare Fund.
4. Based on Actuarial Valuation the accumulated provision of Rs. 350.89 Lakh has been made towards Retirement benefits for Gratuity and Leave Encashment in current year accounts.
5. Provision of Rs. 2487.53 lakh has been made during the year 2018-19 for payment against building construction and PMC fees. A further provision of Rs. 41.80 Lakh has been made toward balance of deposit receivable from U.P.S.I.D.C.

6. Fixed Assets (Schedule 6 to Balance Sheet)

Capital items amounting to Rs.405.00 lakh were added during the current year which includes Buildings, Plant and Machinery, Furniture, Building Management System, Electric Equipment and other assets. The Gross Block of Fixed Assets amounted to Rs. 44503.00 lakh including land and the Net Block of Fixed Assets amounted to Rs. 39232.00 Lakh after deduction of Rs. 1699.00 Lakh on account of depreciation during current year.

7. Capital Work in Progress (Schedule 6 to Balance Sheet)

The Capital Work in Progress as on 31.03.2019 amounted to Rs. 4297.00 Lakh which represents capital expenses of all Centers.

8. Investments (Schedule 7 & 8 to Balance Sheet)

Investments from earmarked fund of Rs. 24.00 lakh represents scholarship grant received from Chevron.

9. Current Assets & Loans and Advances (Schedule 9 to Balance Sheet)

The Bank Balance of Rs. 87911 lakh as on 31.3.2019 includes the following amount

- a. Rs. 67054 Lakh towards Fixed Deposits with various Banks
- b. Loans and advances include:
 - Rs. 1307.00 lakh on account of accrued interest income on investment
 - Receivable from M/s NCCL (Contractor) bill a sum of Rs. 1531.00 lakh

10. Income (Schedule 10, 11 and 12)

Total Income of Rs 7035.00 lakh includes interest earning from Fixed Deposits of Rs. 4381.00 Lakh (including accrued interest of Rs. 1307.00 lakh) and Rs. 901.00 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	2017-18 (Rs. in lakhs)	2018-19 (Rs. in lakhs)
13	Academic	540.00	647.00
14	Establishment	1442.00	1600.00
15	Other Administrative	1242.00	1473.00
Total		3224.00	3720.00

12. Audit Report on Accounts

The Finance Committee and Board of Governors in the meetings held on 25th May 2019 has considered the Accounts for the year 2018-19. The Audit Report is issued by the Principal Director, Commercial Audit & Ex-Officio Member, Audit Board II, New Delhi. A copy of the Audit Report No. MAB-II/Acs/RGIPT/103-11/2019-20/293 dated 11th October 2019 is attached in Annexure-II.

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY JAIS, AMETHI, UTTAR PRADESH



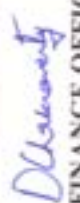
ACCOUNTS FOR THE FINANCIAL YEAR 2018–19

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY
JAIS, AMETHI**

ACCOUNTS FOR THE FINANCIAL YEAR 2018-19

1. BALANCE SHEET AS ON 31ST MARCH 2019
2. INCOME AND EXPENDITURE ACCOUNT FOR YEAR ENDED 31ST MARCH 2019
3. RECEIPT & PAYMENT ACCOUNT FOR YEAR ENDED 31ST MARCH 2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)				
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS				
BALANCE SHEET AS AT 31ST MARCH' 2019				
CORPUS/ CAPITAL FUND AND LIABILITIES	SCHEDULE	AMOUNT (₹)		
		CURRENT YEAR	PREVIOUS YEAR	
CORPUS /CAPITAL FUND	1	11,474,054,235.10	11,457,968,733.54	
RESERVES AND SURPLUS	2	809,111,091.68	795,948,635.68	
EARMARKED / ENDOWMENT FUNDS	3	3,720,549.38	3,281,815.38	
SECURED LOANS AND BORROWINGS	-	-	-	
UNSECURED LOANS AND BORROWINGS	-	-	-	
DEFERRED CREDIT LIABILITIES	4	5,610,702.93	6,077,762.00	
CURRENT LIABILITIES AND PROVISIONS	5	1,277,094,719.46	918,204,978.70	
TOTAL		13,569,591,298.55	13,181,481,925.30	
ASSETS				
FIXED ASSETS	6	4,352,992,170.89	4,361,538,009.55	
INVESTMENTS- FROM EARMARKED/ENDOWMENT FUNDS	7	2,400,000.00	2,400,000.00	
INVESTMENTS-OTHERS	8	-	-	
CURRENT ASSETS, LOANS, ADVANCES ETC.	9	9,214,199,127.66	8,817,543,915.75	
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)		0.00	0.00	
TOTAL		13,569,591,298.55	13,181,481,925.30	
SIGNIFICANT ACCOUNTING POLICIES	17	Enclosed		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	18	Enclosed		
FINANCE OFFICER	DIRECTOR	PRESIDENT		

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
INCOME AND EXPENDITURE FOR THE PERIOD/YEAR ENDED 31ST MARCH 2019			
INCOME	SCHEDULE	CURRENT YEAR	PREVIOUS YEAR
INCOME FROM SALES/SERVICE			0.00
GRANTS/SUBSIDIES			0.00
FEE/SUBSCRIPTIONS	10	90,100,169.95	76,166,814.00
INCOME FROM INVESTMENTS			
INCOME FROM ROYALTY, PUBLICATION ETC.	11	438,144,812.91	343,455,990.00
INTEREST EARNED	12	5,306,162.82	2,762,015.81
OTHER INCOME			
DEFERRED REVENUE INCOME (Transferred From Capital Fund - Depreciation)		169,960,280.00	171,521,057.00
TOTAL - (A)		703,511,425.68	593,905,876.81
EXPENDITURE			
ACADEMIC EXPENSES	13	64,727,491.42	52,509,677.36
ESTABLISHMENT EXPENSES	14	160,074,122.00	144,198,102.00
OTHER ADMINISTRATIVE EXPENSES	15	147,287,166.11	125,729,946.32
EXPENDITURE ON GRANTS, SUBSIDIES ETC.		0.00	0.00
PROVISION FOR DOUBTFUL DEBTS		0.00	0.00
DEPRECIATION (Net Total at the year end - corresponding to Schedule - 6)		169,960,280.00	171,521,057.00
TOTAL - (B)		542,049,059.53	493,958,782.68
EXCESS OF INCOME OVER EXPENDITURE FOR THE YEAR C = (A-B)		161,462,366.15	99,947,094.13
ADD (LESS) : PRIOR PERIOD ADJUSTMENT (NET)		1,831,849.27	-15,395,866.00
NET EXCESS OF INCOME OVER EXPENDITURE	16	163,294,215.42	84,551,228.13
TRANSFER TO DEPRECIATION FUND		0.00	3,965,158.00
TRANSFER TO (FROM) CORPUS FUND RAEBARELI		-	(137,422,492.87)
TRANSFER TO CORPUS FUND ASSAM		163,294,215.42	218,008,563.00
TRANSFER TO GENERAL RESERVE		0.00	0.00
SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND		0.00	0.00
SIGNIFICANT ACCOUNTING POLICIES	17	Enclosed	
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	18	Enclosed	
 FINANCE OFFICER		 DIRECTOR	
		PRESIDENT	

Signed on : 25/05/2019

PREVIOUS YEAR	RECEIPTS	AMOUNT (Rs.)	AMOUNT (Rs.)	PREVIOUS YEAR	PAYMENTS	AMOUNT (Rs.)	AMOUNT (Rs.)
	OPENING BALANCES				EXPENSES		
	WITH SCHEDULED BANKS				Academic Expenses	67163093	
	IN SAVING ACCOUNTS				Establishment Expenses	140368327	
1134292	ICICI Bank - 000701260248	1369395		51677205	Administrative Expenses	135673110	
6649060	HDFC Bank - 00031110004499	7086148		112166929	Prior Period Expenditure	467288	343671817
395827324	Corporation Bank - 027022	0		891096			
105424	ICICI Bank - 000701258840	105424			REFUNDS/OTHER PAYMENTS		
12959189	ICICI Bank - 034301002171	21429162		0	Previous Year Statutory Dues	2910659	
316070	HDFC Bank (FCRA) - 00031170000095	327901		7529429	Utilization Of Research/Other Grants	6378443	
417641	ICICI Bank - RBL - 000701262942	624813		364000	Security Deposit Students	625100	
7716082	State Bank of India - 31936731040	482917		204670	Payment Against Stale Cheques	17150	
18523689	Andhra Bank - 008410100014268	365940751		1144530	Scholarship Paid	2839694	
2596	Allahabad Bank - 50327100399	189165615		1000000000	Refund of Grant/Student Welfare Fund	500	
0	Bank OF Baroda - 59480100000001	27456960		0	Payment Against Defect Liability Period	14209892	
0	Bank OF Baroda - 594801000000382	6626034		409246	Research Grant Refunded	290311	27271749
0	Corporation Bank - 520101258696679	716885			ADVANCES		
40397208	Allahabad Bank - 50192401170	80655089		2578783	Advance Rent Assam	0	
1034348134	Andhra Bank - 008410100027721	995347655		415000	Advance for Activity	5742	
4863982	State Bank of India - 3478552906-2	6252929		590000	IT JEE Fees Advance	590000	
2041594	Bank OF Baroda - 37350100004760	13556136		24720	Advance To Staff	98420	694162
0	Cheques in Hand	6438056			FIXED ASSETS		
		1723581870		3921671	CWIP Jain	9064986	
	WITH SCHEDULED BANKS			45742151	CWIP Assam	1496655	
6035113947	IN DEPOSIT ACCOUNTS	6602359689		10874599	CWIP Bangalore	17400000	
2400000	FDR with HDFC	2400000		40776945	CWIP - Advances	29000000	
0	GRANTS RECEIVED			1589467	Fixed Assets Assam	5928855	
8567931	Capital Fund From ODB	0		768791	Fixed Assets Bangalore	834052	122564590
1217475801	Budgetary Support from GOI	6370416		9791695	Fixed Assets Rbl	84940042	33964213
1189460	Scholarship Grant	0		77866286	PAYMENTS AGAINST P.V. LIABILITY		
	INTEREST EARNED				RECEIVED CHEQUES BOUNCED/REFUND		
2827586	Interest on Bank Guarantee Invoked	2095210		3576000	Fees Refunded	5212000	
64028498	Interest On Fdr - Capital Fund Rbl	15145027		0	Other Income	105840	5317840
17433902	Intt On Fdr - Capital Fund (Assam)	1670477			REFUNDABLE PAYMENTS		
11352215	Intt On Fdr - Capital Fund (ODDB)	2354863		976210	Security - Deposit Paid (Others)	1723899	
13286448	Intt On Fdr - Depreciation Fund	18726226		544500	Retention Money Refunded	3509971	
160036	Intt On Fdr - Farmarked Endowment Fund	13162456		4700	Refund of Income/Alumni Fund	2000	
91975	Interest On Scholarship Grant	242430		225500	Earnest Money Refund	3757100	8992970
		552158					
			31853637				

Count.....2

Dr. Anurag
FINANCE OFFICER

[Signature]
DIRECTOR

[Signature]
PRESIDENT

Signed on : 25/05/2019

FINANCE OFFICER

DIRECTOR

25

6

7

Chakraborty

- 2 -

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS
RECEIPT AND PAYMENT ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2019

PREVIOUS YEAR	RECEIPTS	AMOUNT (Rs.)	PREVIOUS YEAR	PAYMENTS	AMOUNT (Rs.)	AMOUNT (Rs.)
	REFUNDABLE/ TRANSFERABLE RECEIPTS			CLOSING BALANCES		
289124	Liability Against State Cheques	0		WITH SCHEDULED BANKS		
1052000	Security Deposit From Students	1259700		IN SAVING ACCOUNTS		
87500	Student Welfare Fund	86000	1360395	ICICI Bank - 000701260248	1610760	
91970	Security Deposit Others	6548042	189165615	Allahabad Bank - 50327100399	3608977	
229000	Allumni Fund	228900	80655089	Allahabad Bank - 50192401170	95258780	
294000	Wrongly Credited by Bank	0	995347655	Andhra Bank - 008410100027721	895971141	
200000000	Preliminary Fund Bangalore/IIPE	300000000	7086148	HDFC Bank - 00031110004499	7521135	
203849233	Bank Guarantee Invoked	0		Allahabad Bank - 50441574197	467932535	
3611000	B.Tech/MBA Fees Refund	4822000	13556136	Bank OF Baroda - 37350100004760	15224415	
4025873	Earnest Money Received	1044905	105424	ICICI Bank - 000701258840	113251	
	REFUNDS		21429162	ICICI Bank - 034301002171	4629057	
124530	Staff Advance	0	327901	HDFC Bank (FCRA) - 000311700000995	339529	
374817	Academic Expenses	366065	624813	ICICI Bank - RBI - 000701262942	43942	
0	Administrative	945	482917	State Bank of India - 31935731040	2865782	
45443	Establishment Expenses	56099	365940751	Andhra Bank - 008410100014268	395628996	
0	Refundable receipt - Nagar Rajya Bhana	40000	27456960	Bank of Baroda - 594801000000001	9305	
104000	P.Y. Dues/Debtors/Cheques in Hand	1547422	6626034	Bank of Baroda - 594801000000382	4057939	
0	Income Tax Refund	1803870	716885	Corporation Bank - 520101258696679	10120191	
	INCOMES			Corporation Bank - 520141001656188	179645512	
68834000	Fees Received	88596098	6438056	Cheques in Hand	9624	
8173506	Training/Workshop Fees/Sponsorship/Scholarships	4645162	6252929	State Bank of India - 3478552906-2	1048867	
266757257	Interest From Bank/Bond	532532977		WITH SCHEDULED BANKS	2085639740	
27000	Prior Period Income	139248	6602359689	IN DEPOSIT ACCOUNTS		
3317643	Other Income/Int. On I.T. Refund	3616693	2400000	FDR with HDFC	6705478677	8792518417
	CONTRA ITEMS			CONTRA ITEMS		
979577	Imprest Cash	984493	979577	Imprest Cash	984493	
1101719556	Bank To Bank Transfer	662498229	1101719556	Bank To Bank Transfer	662498229	
21472955	Cancelled Cheques	15798901	21472955	Cancelled Cheques	15798901	
295524	Advance Others	5118185	295524	Advance Others	5118185	
10951716592	TOTAL	10020395566	10951716592	TOTAL	10020395566	

Dr. Anant
 FINANCE OFFICER

[Signature]
 DIRECTOR

[Signature]
 PRESIDENT

Signed on : 25/05/2019

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY JAIS, AMETHI

ACCOUNTS FOR THE FINANCIAL YEAR 2018-19

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, JAIS		
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019		
SCHEDULE - 1 - CORPUS / CAPITAL FUND	CURRENT YEAR	PREVIOUS YEAR
AMOUNT (₹)		
CAPITAL FUND - RAE BARELI		
Government of India Budgetary Support		
Balance as at the beginning of the year	4,068,380,371.00	2,786,876,072.00
Add : Contribution during the year	0.00	1,217,475,801.00
	4,068,380,371.00	4,004,351,873.00
Less: Previous Year Recoverable Adjusted	0.00	0.00
Add : PRS Applied on Work Contract	4,068,380,371.00	4,004,351,873.00
	0.00	0.00
Add : Interest for the year from Bank	4,068,380,371.00	4,004,351,873.00
Capital Grant from Oil Industry Development Board		
Balance as at the beginning of the year	1,670,477.00	64,028,498.00
Add : Contribution during the year	1,577,573,311.00	2,566,221,096.00
Add : Interest for the year from Bank	0.00	0.00
	18,726,226.14	11,352,215.00
Less: Refund During the Year	1,596,299,537.14	1,596,299,537.14
CAPITAL FUND - ASSAM		
Balance as at the beginning of the year	554,540,322.00	537,106,420.00
Add : Interest from Bank	2,354,863.00	17,433,902.00
TOTAL CAPITAL FUND		
Less - Capital Fund Adjustment - Assam (Cost of Land & Depreciation)	6,223,245,570.14	
Up to previous year	7,123,953.00	6,545,068.00
During the current year	361,070.00	578,885.00
	7,485,023.00	7,123,953.00
Less - Capital Fund Adjustment - Rachareli (Cost of Land & Depreciation)		
Up to previous year	403,151,916.59	225,968,284.59
During the current year	169,599,210.00	177,183,632.00
	572,751,126.59	403,151,916.59
	5,643,009,420.55	410,275,869.59
		5,790,218,134.41


FINANCE OFFICER


DIRECTOR


PRESIDENT

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019			
			AMOUNT (₹)
SCHEDULE - I - CORPUS / CAPITAL FUND	CURRENT YEAR	PREVIOUS YEAR	
CORPUS FUND			
ASSAM CENTRE			
Balance as at the beginning of the year	2,331,733,711.00	2,113,725,148.00	
Add : Trfd. from Income & Expenditure	163,294,215.42	218,008,563.00	2,331,733,711.00
RAE BARELI CENTRE			
Balance as at the beginning of the year			
Fund Balance	2,500,000,000.00	2,500,000,000.00	
Surplus Interest	497,770,577.00	497,770,577.00	
Add: P.Y. Adjustment - Amount wrongly debited to Corpus Fund	71,662,620.13	209,085,113.00	
Excess of Income over Expenditure	266,583,691.00	266,583,691.00	
Add : Contributions received during the year	3,336,016,888.13	3,473,439,381.00	
	0.00	0.00	
Add : Surplus Funds Allocated	3,336,016,888.13	3,473,439,381.00	
Add : Trfd. from Income & Expenditure	-	(137,422,492.87)	3,336,016,888.13
BALANCE AS AT THE YEAR END	11,474,054,235.10	11,457,968,733.54	
<i>D. Chakraborty</i> FINANCE OFFICER	<i>[Signature]</i> DIRECTOR	<i>[Signature]</i> PRESIDENT	

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019

SCHEDULE - 2 - RESERVES AND SURPLUS		AMOUNT (₹)		
	CURRENT YEAR	PREVIOUS YEAR		
1. CAPITAL RESERVE				
As per last account	50,800,831.59	50,800,831.59	50,800,831.59	
Addition during the year	0.00	0.00		
Less : Deductions during the year	0.00	0.00		
2. DEPRECIATION FUND				
As per last account	247,764,022.00	224,230,994.00	247,764,022.00	
Add/ Less : Prior period Adjustment (P.Y. Depreciation adjusted)	-	6,281,422.00		
Addition during the year - (Transfer from Income & Expenditure)	247,764,022.00	230,512,416.00		
	13,162,456.00	3,965,158.00		
Add : Interest Earned on Investment of Fund during the year	260,926,478.00	234,477,574.00	260,926,478.00	247,764,022.00
	0.00	13,286,448.00		
3. GENERAL RESERVE				
As per last account	497,383,782.09	497,383,782.09	497,383,782.09	497,383,782.09
Less: Amount wrongly transferred in P.Y. now reversed	0.00	0.00		
Addition during the year (Excess of Income over Expenditure)	497,383,782.09	497,383,782.09		
	0.00	0.00	809,111,091.68	795,948,635.68
BALANCE AS AT THE YEAR END				

Finance Officer

Dhananjay

Director

6

PRESIDENT

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FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019			
SCHEDULE - 3 - EARMARKED / ENDOWMENT FUND	AMOUNT (₹)		PREVIOUS YEAR
	CURRENT YEAR		
SCHOLARSHIP/ OTHER GRANTS			
a) Opening Balance of the Funds		3,281,815.38	3,497,490.38
b) Additions to Funds			
i. Donations/Grants			
Bhaskar Research Internship	70,717.00		0.00
Zila Kalyan Karayalaya - Saran/Padmadhikari	690,850.00		80,000.00
Bihar State Education Fin.Corp.	133,333.00		0.00
Director of Technical Education	416,000.00		0.00
Social Welfare Board Raebareli/District Welfare/Jharkhand State Tribal	447,250.00		679,900.00
Rural Development Grant	0.00		175,000.00
Central Sector Scholarship Scheme (MOSJE)	337,060.00		429,560.00
Less: Refunds	2,095,210.00	2,095,210.00	1,364,460.00
	0.00		0.00
ii. Interest on Investments - On Earmarked Funds (Chevron)		552,158.00	160,036.00
TOTAL (a+b)		5,929,183.38	5,021,986.38
c) <u>Utilisation / Expenditure towards objectives of the Funds</u>			
i. <u>Capital Expenditure</u>		0.00	0.00
ii. <u>Revenue Expenditure</u>			
Other Expenditure (Scholarship Distributed)			
Chevron Scholarship	72,000.00		74,000.00
Bhaskar Research Internship Award	70,717.00		0.00
Zila Kalyan Karayalaya - Saran/Padmadhikari	690,850.00		160,000.00
Unnat Bharat Abhiyan	73,424.00		0.00
Social Welfare Board Raebareli/District Welfare/Jharkhand	418,250.00		679,900.00
Bihar State Education Fin.Corp.	133,333.00		0.00
Director of Technical Education	416,000.00		0.00
Rural Development Grant Utilised	0.00		4,091.00
Central Sector Scholarship Scheme (MOSJE)	334,060.00	2,208,634.00	822,180.00
TOTAL (c)		2,208,634.00	1,740,171.00
NET BALANCE AS AT THE YEAR END (a+b-c)		3,720,549.38	3,281,815.38
FINANCE OFFICER	DIRECTOR	PRESIDENT	

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019			
		AMOUNT (₹)	
SCHEDULE - 4 - DEFERRED CREDIT LIABILITIES		CURRENT YEAR	PREVIOUS YEAR
Others - Research Grants - Opening Balance			5,627,359.75
Add : Interest Received During the year		242,491.00	91,975.00
Add : Received During the year		6,664,416.00	8,699,383.00
Less : Refunded During the year		290,311.00	
Less : Utilized During the year		7,083,655.07	409,246.00
			14,418,717.75
BALANCE GRANTS REPRESENTED BY :			
- CSIR - Ph D Scholarship		91,464.00	91,464.00
- Council of S&T Thermal Regulation of Photovoltaics (PV) Cells		45,912.00	43,746.00
- DST Grant Seed Division		45,959.00	43,791.00
- DAE Study of Information on Theoretic Measures on Variables		154,024.00	312,432.00
- SERB New Nano - Dev. Of New Polymeric Materials		0.00	8.00
- GEONANO India Pvt. Ltd		94,456.00	90,000.00
- Expected Inactivity Time having Application in Reliability		65,574.00	65,574.00
- SERB Grant for Studies on three dimensional fracturing		27,033.00	25,758.00
- Luminescent Carbon Nano Pipe		307,210.00	0.00
- SERB Grant for Investigating the Catalytic Activity of Nanocatalyst		0.00	53.00
- SERB Grant for Source Rock Evaluation of Lignite Deposits		49,601.00	191,761.00
- SERB Grant for Study of Total Moan Capture for Potential Double Beta		242,388.00	230,952.00
- Development of Polymeric Liquid Based Silicate Muds		4,168.00	654,770.00
- Development of Polymer Coated Nanoparticle Stabilized Foams		435,194.00	290,446.00
- DAE Grant for Distribution of Uranium & Associated Quality parameters		540,868.00	845,837.00
- Fellowship Grant for Simulation of artificial fracture prop. in Geothermal		0.00	129,361.00
- Grant received from inocule Pvt Ltd for Development of Polymeric Material		0.00	216,495.00
- National Post Doctoral Fellowship		0.00	92,324.00
- Development of Functional Hydrogel Systems		413,342.00	0.00
- Membrane Solvent Extraction Process		2,607,272.00	0.00
- Miscellaneous Grant		314,000.00	0.00
- SERB Grant for well Posing formulations and operator splitting technique		59,711.00	280,147.00
- SERB Grant for Energy storage protection using Vanadium redox batteries		23,227.00	179,346.00
- NHRM Information Theoretic Measures for Truncated Random Variables		846.00	806.00
- SERB on Development of Nano Particle Reinforced Multi Network Hydrogels		88,453.93	2,292,691.00
TOTAL		5,610,702.93	6,077,762.00
NOTE : Amounts due within one year		5,610,702.93	6,077,762.00

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019			
SCHEDULE - 5 - CURRENT LIABILITIES & PROVISIONS			AMOUNT (₹)
A. CURRENT LIABILITIES			PREVIOUS YEAR
1. Sundry Creditors			
a) For Goods/Services	192,068,065.76		177,740,982.00
b) Others	227,026,638.00		211,876,869.00
			389,617,851.00
2. Advance Fees Received from Students			
3. Statutory Liabilities :			
3. Statutory Liabilities :			
a) Others	0.00		8,403.00
b) Others	4,991,733.00		2,884,384.00
			2,892,787.00
4. Other Current Liabilities			
a) Preliminary Fund - Bangalore (Opening Balance)	200,000,000.00		
Received during the year	300,000,000.00		200,000,000.00
Less (Add) : Refunds	0.00		0.00
b) Alumni Fund	1,058,000.00		833,100.00
c) Student Welfare Fund	358,058.00		273,558.00
d) Retention Money of Vendors	35,879,998.00		21,198,211.00
e) Earnest Money Deposit/Security Deposit	7,582,622.70		5,496,700.70
f) Security Deposit from Students	3,133,500.00		2,530,200.00
g) Scholarship & Stipend Payable to P.H.D. Students	466,961.00		0.00
g) Due to Staff	0.00		24,848.00
			30,356,617.70
TOTAL (A)			637,422,155.70
B. PROVISIONS			
1. Gratuity			
2. Provision for Doubtful Debts			
3. Accumulated Leave Encashment	14,435,041.00		11,873,055.00
4. Provision against Building Construction at JAIS	4,180,008.00		4,180,008.00
5. Provision against Arbitration Award	20,654,850.00		15,971,114.00
6. Provision against PMC Fess JAIS	226,653,046.00		226,653,046.00
	0.00		0.00
	22,105,600.00		22,105,600.00
TOTAL (B)			280,782,823.00
TOTAL (A+B)			918,204,978.70
 FINANCE OFFICER  DIRECTOR  PRESIDENT			

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019
SCHEDULE - 6 - FIXED ASSETS

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK		AMOUNT ₹	
	COST AS AT BEGINNING OF THE YEAR	ADDITIONS DURING THE YEAR	DEDUCTIONS / ADD DURING THE YEAR	COST AT THE YEAR-END	AS AT BEGINNING OF THE YEAR	DURING THE YEAR	ON DEDUCTIONS/ ADD DURING THE YEAR	TOTAL UP TO THE YEAR-END		AS AT THE CURRENT YEAR-END
A. FIXED ASSETS - TANGIBLE										
I. LAND										
a) Freehold - Jain	44703297	0	0	44703297	0	0	0	0	44703297	44703297
b) Freehold - Assam	6097535	0	0	6097535	0	0	0	0	6097535	6097535
c) Lease Hold Land - Bangalore	150	0	0	150	0	0	0	0	150	150
2. BUILDINGS										
a) On Freehold Land	3577471937	0	69704626	3507767311	141823439	93914635	2066313	233671761	3274095550	3435648498
3. PLANT & MACHINERY										
a) General Equipment	171990389	0	0	171990389	25492274	17199039	0	42691317	129299076	146408115
b) Airconditioners	91627855	0	0	91627855	13581006	9162786	0	22743792	68844063	78046849
c) Lab Equipments - Jain	60125695	33545688	0	93671384	28278277	6896967	0	35125244	58546140	31897418
d) Lab Equipment - Assam	0	181366	0	181366	0	99	0	99	181267	0
e) Fire Fighting System	54944027	0	0	54944027	8143759	5494403	0	13638162	41305865	46800268
f) Telecommunication Network	52282473	1775900	0	59058373	34875	5891241	0	5926116	53132257	57247598
4. VEHICLES										
a) FURNITURE, FIXTURES	13318911	0	0	13318911	10168182	1331891	0	11500073	1818838	3150729
Bacharelli	25674619	5797234	0	83471853	20827147	3245813	0	24072960	59398803	4847472
Banglore	450374	0	0	450374	10459	45037	0	55496	394878	439915
Assam	1745411	5257344	0	7002755	740058	103211	0	1043269	5959486	1005353
6. OFFICE EQUIPMENTS										
7. COMPUTER PERIPHERALS										
Bacharelli/ MOIDA	53005301	633713	0	53639014	48391545	1738511	0	50130056	3508958	4613756
Assam	274900	183750	0	458650	189364	18241	0	207605	251045	85536
Banglore	318267	373010	0	691277	29503	83419	0	112922	578355	288764
Building Management System	46814361	0	0	46814361	13877572	4681436	0	18559008	28255353	32936789
8. ELECTRIC EQUIPMENTS										
Bacharelli	184092148	5677181	0	189769329	36252185	18248370	0	84500555	135268774	147859963
Assam	232472	283740	0	516212	96996	30519	0	136515	379607	135476
9. LIBRARY BOOKS										
a) OTHER FIXED ASSETS	12769602	664291	0	13433893	6895483	1368094	0	8173577	5260516	5964119
b) OTHER FIXED ASSETS	987385	4264442	0	5251827	360827	99860	0	460687	4791140	626558
11. HOSTEL EQUIPMENTS										
a) FINED ASSETS - INTANGIBLE	2995786	0	0	2995786	2990176	5578	0	2995754	32	5610
12. FINED ASSETS - INTANGIBLE										
a) PATENT & COPYRIGHTS	449076	0	0	449076	0	0	0	0	449076	449076
TOTAL OF CURRENT YEAR	4490764698	110637659	70039019	4450363338	3594777270	169960280	2334208	527113342	3923249996	4060287428
PREVIOUS YEAR	4358700982	70028446	18964730	4490764698	181624791	171521057	-6281422	359477270	4050287428	4177026191
FINANCE OFFICER				DIRECTOR				PRESIDENT		

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)

NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS

SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019

SCHEDULES - 6 - FIXED ASSETS

DESCRIPTION	GROSS BLOCK				DEPRECIATION			NET BLOCK		AMOUNT ₹
	COST AS AT BEGINNING OF THE YEAR	ADDITIONS DURING THE YEAR	DEDUCTIONS DURING THE YEAR	COST AT THE YEAR-END	AS AT BEGINNING OF THE YEAR	DURING THE YEAR	ON DEDUCTIONS / ADD DURING THE YEAR	TOTAL UP TO THE YEAR-END	AS AT THE CURRENT YEAR-END	
CAPITAL WORK - IN - PROGRESS										
A - JAIS PROJECT										
Communication Network	1775900	0	1775900	0	0	0	0	0	0	1775900
Fixed Assets	0	8324595	0	8324595	0	0	0	0	8324595	0
Lab Equipment	0	28177525	0	28177525	0	0	0	0	28177525	0
Building Under Construction	0	69704626	0	69704626	0	0	0	0	69704626	0
Swami Vivekanand Statue	885000	0	0	885000	0	0	0	0	885000	885000
TOTAL - A	2660900	106206746	1775900	107091746	0	0	0	0	107091746	2660900
B - ASSAM PROJECT										
Project Management Expenses	25015332	1542257	0	26557589	0	0	0	0	26557589	25015332
Project Management Fees	25016040	0	0	25016040	0	0	0	0	25016040	25016040
Civil Work In Progress	252167402	4249325	0	256416827	0	0	0	0	256416827	252167402
Secured Advance Against Material	4283855	0	0	4283855	0	0	0	0	4283855	4283855
TOTAL - B	306482729	5791582	0	312274311	0	0	0	0	312274311	306482729
C - BANGLORE PROJECT										
Project Management Expenses	2106953	8269165	0	10376118	0	0	0	0	10376118	2106953
TOTAL - C	2106953	8269165	0	10376118	0	0	0	0	10376118	2106953
TOTAL CWIP (A+B+C+D)	311250682	120267493	1775900	429742175	0	0	0	0	429742175	311250682
GRAND TOTAL	4721015280	230905152	71814919	4800105513	359477270	169960280	2324208	427113342	4352992171	4361538010
PREVIOUS YEAR GRAND TOTAL	4622985855	125927433	278986008	4721015280	34674791	171521057	-6281422	359477270	4361538010	4441311064

Dr. Anant Singh

FINANCE OFFICER

K. R. S.

DIRECTOR

6

PRESIDENT

Dr. Anant
FINANCE OFFICER

Rajiv
DIRECTOR

6
PRESIDENT

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019			
		AMOUNT (₹)	
SCHEDULE - 7- INVESTMENTS - EARMARKED/ ENDOWMENT FUND		CURRENT YEAR	PREVIOUS YEAR
1. In Government Securities		0.00	0.00
2. Other Approved Securities		0.00	0.00
3. Shares		0.00	0.00
4. Debentures and Bonds		0.00	0.00
5. Subsidiaries and Joint Ventures		0.00	0.00
6. Others (Fixed Deposits)		0.00	0.00
		2,400,000.00	2,400,000.00
TOTAL		2,400,000.00	2,400,000.00
SCHEDULE - 8- INVESTMENTS - OTHERS		AMOUNT (₹)	
		CURRENT YEAR	PREVIOUS YEAR
1. In Government Securities (RBI Bonds - Not marketable)		0.00	0.00
2. Other Approved Securities		0.00	0.00
3. Shares		0.00	0.00
4. Debentures and Bonds		0.00	0.00
5. Subsidiaries and Joint Ventures		0.00	0.00
6. Others		0.00	0.00
TOTAL		0.00	0.00
 FINANCE OFFICER		 DIRECTOR	 PRESIDENT

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019			
	AMOUNT (₹)		
SCHEDULE - 9 - CURRENT ASSETS, LOANS & ADVANCES	CURRENT YEAR	PREVIOUS YEAR	
A. CURRENT ASSETS :			
1. Inventories			
a) Stores and Spares (Stationery Items)	480,957.00	142,515.95	
b) Stock of Lab Consumables	0.00	0.00	
c) Stock of souvenir	0.00	0.00	
d) Stock of Civil and Electrical Materials	598,647.00	200,535.00	
e) Stock of Computer/ IT Consumables	68,742.00	124,939.64	
f) Stock of Diesel	450,127.00	135,464.00	
g) Stock of Office Consumables	13,827.00	56,932.26	660,386.85
2. Sundry Debtors			
a) Debts Outstanding for a period exceeding six months	0.00	35,400.00	
b) PRS recoverable from NCCL	153,087,877.00	153,087,877.00	
c) Other Debts (Receivable against Workshop/ Training Program)	1,904,139.00	1,412,022.00	154,535,299.00
3. Cash Balances in Hand (including Cheques/Drafts and imprest)			
		9,624.00	6,438,056.00
4. Bank Balances			
a) With Scheduled Bank :			
- on Current Accounts	1,048,867.34	6,252,929.24	
- on Deposit Accounts	6,705,478,677.00	6,602,359,689.00	
- on Savings Accounts	2,084,581,248.48	1,710,890,884.66	
b) With Non - Scheduled Bank :	0.00	0.00	8,319,503,502.90
TOTAL (A)		8,947,722,732.82	8,481,137,244.75
FINANCE OFFICER	DIRECTOR	PRESIDENT	

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019			
AMOUNT (₹)			
SCHEDULE - 9 - CURRENT ASSETS, LOANS & ADVANCES	CURRENT YEAR	PREVIOUS YEAR	
B. LOANS, ADVANCES AND OTHER ASSETS :			
1. <u>Loans:</u>			
a) Staff - Advance for Activity	73,592.00	415,000.00	415,000.00
b) Others	0.00	0.00	
2. <u>Advances and other amounts recoverable in cash or in kind or for value to be received:</u>			
a) On Capital Account	43,845,385.00	28,479,787.00	
b) Prepayments	9,039,671.84	4,512,605.00	
c) Security Deposits Paid	5,837,283.00	5,584,331.00	
d) Others	76,830,317.00	62,918,139.00	101,494,862.00
3. <u>Income Accrued:</u>			
a) On Investments from Earmarked/Endowment Funds	0.00	26,827.00	
b) On Investments-Others	130,775,146.00	232,881,040.00	
c) On Loans and Advances	0.00	1,488,942.00	
d) Others - Student Fees Due	75,000.00	100,000.00	234,496,809.00
4. <u>Claims Receivable:</u>			0.00
TOTAL (B)			336,406,671.00
TOTAL (A+B)			8,817,543,915.75
<i>Deamany</i> FINANCE OFFICER	<i>[Signature]</i> DIRECTOR	<i>[Signature]</i> PRESIDENT	

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			
AMOUNT (₹)			
SCHEDULE - 10 - FEES/SUBSCRIPTIONS	CURRENT YEAR	PREVIOUS YEAR	
1. Entrance Fees	797,938.05	845,300.00	
2. Annual Fees/Subscription	83,331,062.00	65,006,600.00	
3. Seminar/Program, Training & Workshops	4,864,698.00	9,516,268.00	
4. Sponsorship / Scholarship	901,900.00	508,000.00	
5. Others	204,571.90	290,646.00	
TOTAL	90,100,169.95	76,166,814.00	
<i>Dr. Anurag</i> FINANCE OFFICER	<i>[Signature]</i> DIRECTOR	<i>[Signature]</i> PRESIDENT	

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			
SCHEDULE - II - INTEREST EARNED	AMOUNT (₹)		
	CURRENT YEAR	PREVIOUS YEAR	
1) On Term Deposits :			
a) With Scheduled Banks	428,607,139.00	370,620,790.00	
b) With Non-Scheduled Banks	0.00	0.00	
c) With Institutions (Govt. of India Bond)	0.00	0.00	
d) Others	0.00	0.00	370,620,790.00
2) On Savings Accounts :			
a) With Scheduled Banks	2,394,631.00	1,398,448.00	
b) With Scheduled Banks in Sweep A/c	58,613,862.05	89,267,082.00	
c) With Non-Scheduled Banks	0.00	0.00	
d) With Institutions	0.00	0.00	
e) Others	0.00	0.00	90,665,530.00
Less : Transfer to Capital Fund			461,286,320.00
a) Capital Fund Raebareli	1,670,477.00	64,028,498.00	
b) Capital Fund Assam	2,354,863.00	17,433,902.00	
c) Capital Fund (Grant OADB)	18,726,226.14	11,352,215.00	
d) Bank Guarantee Invoked	15,145,027.00	2,827,586.00	
e) Depreciation Fund	13,162,456.00	13,286,448.00	
f) Project Management Expenses Bangalore	0.00	8,933,278.00	
g) Earmarked Fund - Chevron Scholarship Grant	552,158.00	160,036.00	
h) Deferred Credit Liabilities - DST Grants	242,430.00	91,975.00	118,113,938.00
3) On Loans			343,172,382.00
a) Employees/Staff	0.00	0.00	
b) Others- Interest on IT Refund	99,210.00	0.00	0.00
4) Interest on Debtors and Other Receivables		283,608.00	283,608.00
TOTAL	438,144,812.91		343,455,990.00
<i>Dhanvathy</i> FINANCE OFFICER	<i>Raj</i> DIRECTOR	<i>f</i> PRESIDENT	

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			
SCHEDULE - 12 - OTHER INCOME		AMOUNT (₹)	
		CURRENT YEAR	PREVIOUS YEAR
1. Profit on Sale/Disposal of Assets			
a) Owned Assets		0.00	0.00
b) Assets acquired out of grants or received free of cost		0.00	0.00
2. Export Incentives realised		0.00	0.00
3. Fees for Miscellaneous Services		4,061,252.92	2,675,905.81
4. Miscellaneous Income		1,244,909.90	86,110.00
TOTAL		5,306,162.82	2,762,015.81
 FINANCE OFFICER		 DIRECTOR	 PRESIDENT

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)		
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS		
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019		
	AMOUNT (₹)	
SCHEDULE - 13 - ACADEMIC EXPENSES	CURRENT YEAR	PREVIOUS YEAR
Honorarium to Visiting Faculties	1,300,000.00	1,173,500.00
Book Grant, e-Journal Charges, Magazines & Academic Softwares	5,783,963.78	5,390,312.00
Convocation, Conference & Meeting Expenses	4,048,974.00	1,531,348.00
IIT-JEE Fees	590,000.00	450,000.00
IIM CAT-Fees	279,896.00	247,040.00
PAT Fees	30,864.00	0.00
Student Welfare	1,593,411.00	1,083,373.00
Hostel Rent & Mess Expenses	16,845,928.00	14,454,177.00
Scholarship & Stipend	8,820,153.00	8,476,934.00
Placement Brochure & Expenses	105,779.00	106,016.00
Workshop & Training	2,403,767.00	6,077,363.00
Cultural & Sports Activities	1,226,464.00	2,753,393.00
Rent & Electricity Charges	6,409,777.00	2,845,476.00
RGIPIT Scholarship	1,305,000.00	1,104,000.00
Repairs & Maintenance (Equipment)	4,572,541.00	2,451,858.00
Vehicle Running Expenses	4,885,315.00	1,754,881.00
Lab Charges and Printing & Stationery	1,772,578.00	1,455,243.00
Computer Running Expenses	318,351.64	280,069.36
In house Reserch Grant Expenses - Jais	939,292.00	0.00
Travelling & Conveyance Expenses (Academic)	753,363.00	187,478.00
Student Contingency/ Admission/ Orientation Expenses	715,749.00	631,594.00
Membership Fees	26,325.00	55,622.00
TOTAL	64,727,491.42	52,509,677.36
<i>Diversity</i> FINANCE OFFICER	<i>R.B.</i> DIRECTOR	<i>P.</i> PRESIDENT

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS			
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019			
SCHEDULE - 14 - ESTABLISHMENT EXPENSES			AMOUNT (₹)
			PREVIOUS YEAR
a) Salaries & Allowances		107,350,142.00	96,989,718.00
b) Man Power Hiring		34,344,269.00	22,470,477.00
c) Contribution to Provident Fund, NPS & Others		7,754,219.00	7,833,453.00
d) Contribution to Other Fund		0.00	0.00
e) Staff Welfare Expenses		233,813.00	223,075.00
f) Provision on Employees Retirement and Terminal Benefits (Gratuity & Leave Encashment)		7,245,722.00	13,511,072.00
g) Others			
Honorarium		955,633.00	813,530.00
Medical Reimbursement		2,062,776.00	2,243,205.00
Relocation Expenses		127,548.00	113,572.00
TOTAL		160,074,122.00	144,198,102.00
 FINANCE OFFICER  DIRECTOR  PRESIDENT			

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)			AMOUNT (₹)	
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS				
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019				
SCHEDULE - 15 - OTHER ADMINISTRATIVE EXPENSES	CURRENT YEAR	PREVIOUS YEAR		
Electricity and Power	34,290,784.00	31,442,699.00		
Repairs & Maintenance (Building & Other)	5,237,997.00	3,219,001.00		
Insurance	385,180.00	561,515.00		
Repairs and Maintenance (House Keeping & Office Expenses)	11,097,532.26	11,512,641.74		
Security Service Charges	22,090,682.00	21,316,232.00		
Rent, Rates and Taxes	11,485,779.00	7,960,152.00		
Vehicles Running and Maintenance	4,379,824.35	2,807,833.00		
Postage, Telephone and Communication Charges	2,928,885.08	2,092,194.00		
Printing, Stationary and Publication	1,043,609.26	2,714,178.05		
Travelling and Conveyance Expenses	5,108,989.00	6,734,118.00		
Recruitment Expenses	134,886.00	142,819.00		
Foreign Travel & Participation Fees Expenses	0.00	25,189.00		
Pre-Payment Auditors Remuneration	708,000.00	703,500.00		
Legal & Arbitration Expenses	21,762,805.00	13,540,598.00		
Interest on Late Payment & Penalties	11,192.00	50,773.00		
GST paid	2,262,679.83	184,694.00		
Conference, Meetings & Workshop Expenses	4,652,949.00	4,350,438.00		
Professional & Consultancy Charges	4,178,215.00	3,397,324.00		
Advertisement and Publicity	7,216,083.32	8,845,519.00		
Others (Guest House Expenses)	1,135,174.00	2,041,033.00		
Internal Audit Fees	0.00	141,600.00		
Bank Charges	132,521.01	78,515.53		
Sundry Balance Written Off	0.00	2,889.00		
Website Expenses	84,305.00	100,428.00		
CAG Audit Fees	150,000.00	150,000.00		
Inaugural Expenses - Bangalore	430,303.00	0.00		
JAIS Shifting Expenses	0.00	28,750.00		
Doctor Fees	926,452.00	1,512,936.00		
Recruitment & Promotion Policies Expenses	5,074,000.00	0.00		
Loss on sale of Asset	26,938.00	0.00		
Hindi Rajbhasha Parliamentary Meeting/ Hindi Workshop Expenses	351,401.00	72,377.00		
TOTAL	147,287,166.11	125,729,946.32		
FINANCE OFFICER	DIRECTOR	PRESIDENT		

Signed on : 25/05/2019

FORM OF FINANCIAL STATEMENTS (NON-PROFIT ORGANISATIONS)				
NAME OF ENTITY : RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS				
SCHEDULES FORMING PART OF INCOME & EXPENDITURE FOR THE YEAR ENDED 31ST MARCH 2019				
SCHEDULE - 16 - PRIOR PERIOD ADJUSTMENT	CURRENT YEAR		PREVIOUS YEAR	
INCOME	AMOUNT (₹)		AMOUNT (₹)	
Scholarship Refund	24,000.00		27,000.00	
Excess Provision Written Back	127,932.27		182,892.00	
Room Rent & Fooding Charges	56,748.00		0.00	
Depreciation Written Back	2,066,313.00		0.00	
Others	58,700.00	2,333,693.27	3,450.00	213,342.00
EXPENDITURE				
Travelling /LTC Expenses	10,615.00		0.00	
Postage & Telephone Charges	5,250.00		0.00	
Book Grant & e-Journal	0.00		4,433,164.00	
House Keeping / Man Power Hire Expenses	68,533.00		127,029.00	
Provision against Doubtful Debts	0.00		4,180,098.00	
Salary/Stipend Exp/Scholarship/Medical	22,519.00		0.00	
Electricity Charges	0.00		10,637.00	
Professional & Consultancy	37,076.00		0.00	
Audit Fees	0.00		57,500.00	
NPS Contribution	17,064.00		0.00	
Faculty Car & Mobile	1,750.00		0.00	
Mess Charges	0.00		190,893.00	
Student Fees Refunded	0.00		87,200.00	
Depreciation	0.00		6,464,314.00	
Vehicle Hire Charges	0.00		9,000.00	
Lab Consumables	227,066.00		18,334.00	
Printing & Stationery	33,889.00		0.00	
Repair & Maintenance	78,082.00		0.00	
Overhead Charges Returned	0.00	501,844.00	31,129.00	15,609,208.00
NET PRIOR PERIOD EXPENDITURE		1,831,849.27		-15,395,866.00
FINANCE OFFICER	DIRECTOR		PRESIDENT	

Signed on : 25/05/2019

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH 2019

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.

D. Lakshmi

Signed on : 25/05/2019

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

4.3. Each Fixed asset costing Rs.5000/- and below is fully depreciated in the year of acquisition.

5. Depreciation Fund

A Depreciation Fund is created by transferring equivalent amount of depreciation (subject to excess of income over expenditure) 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. All 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 or non-tangible assets 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 OIIB / 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.

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.

Dr. Umashankar

Dr. R. S. S.

Signed on : 25/05/2019

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 and other financial obligation 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/items 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.



FINANCE OFFICER



DIRECTOR



PRESIDENT

**RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY, JAIS
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31ST MARCH' 2019**

SCHEDULE '18' – 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 31st March, 2019 are as follows:

1. The Receipt and Payment Account carries the amounts of actual receipts and actual payments of the institute during the year 2018-19. 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.
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, wherever applicable, to implement the recommendations of Government Audit on accounts of previous year.
6. 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 and other amount earned if any. Amounts grouped under Corpus Fund in **Schedule 1** represent contribution received from Oil PSUs 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-tradable Govt. Securities from the Income & Expenditure Account.
 - No capital fund from Government Budgetary support was received during the year.
 - 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 the 'useful life' of the assets. Accordingly, Rs.16,99,60,280.00 being the depreciation charged during the year has been transferred to Deferred Revenue Income.

Dharmendra

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- As per the recommendation of Audit, cost of unfinished buildings summing up to Rs.6,97,04,626.00 has been deducted from Buildings and included as capital work in progress.
- During the year 2017-18, 150 acres land was handed over by Karnataka Industrial Development Board to RGPT's Bangalore Center on lease of two years at the cost of Rs.150.00 which is disclosed under Fixed Assets (Land) – **Schedule-6** of the Balance Sheet.
- As no time extension has been approved to the Contractor M/s NCCL for not completing the project within schedule time as per contract, the full Price Reduction Schedule (PRS) of Rs. 31,33,51,873/- being 10% of the contract value plus other penalties, has been levied as per the terms of the contract (Contract Value Rs.301,54,01,252/-). The PRS amount recoverable has been added to the Capital Fund under **Schedule-1** during year 2016-17.

7. The provisions of Payment of Gratuity Act are applicable to the institute. Accordingly, based on Actuarial Valuation accumulated provision for Rs.3,50,89,891.00 has been made in the accounts towards retirement benefit for a) Gratuity and b) Leave Encashment which is reflected in accounts under **Schedule 5** – under Current Liabilities and Provisions as at 31.3.2019.

8. During the year excess of income over expenditure to the extent of the surplus interest lying invested in fixed deposit with banks amounting to total of Rs. 16,32,94,215.42 have been ploughed back to the Assam Corpus fund which has been reflected under Corpus Fund in **Schedule-1**.

9. As per the EFC 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 RGPT will confine its Jais Campus project in 47 acres of land only, as the acquisition of additional land by UPSIDC did not materialize. Consequent to this, the institute had applied to UPSIDC in 2015-16 for refund of advance payment of Rs. 185.00 Lakh made during previous years as per their demand, for acquisition of land. Out of the above, Rs. 143.00 Lakh was realized during the year and the balance of Rs.41.80 lakh is grouped under Loans & Advances on capital account. According to UPSIDC Rs.41.80 lakh is not payable since the amount is deducted against their standard deduction policy for land acquisition. RGPT is following up with UPSIDC for refund on the grounds that the acquisition of land did not take place hence there is no deduction applicable. Meanwhile provision for doubtful debt of Rs.41.80 Lakh has been made in books from 2017-18 which is reflecting under **Schedule 5 (B)**, on the recommendation of Audit.

10. 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 which is currently ongoing. Current Liabilities and Provisions includes Rs. 3,27,27,202.00, the unpaid balance amount against the value of work done by the contractor, (which is adjustable against the Institute's claim pending for adjudication under arbitration).

11. In the year 2013-14 the composite contract for Jais Campus project was awarded to M/s NCCL, Limited on a Contract value of Rs. 301,54,01,252/-. The contractor has completed the work and payment to the tune of Rs. 286,88,52,224.00 has been released (up to 49 RA Bill) till 31st March 2018 including escalation on recommendation of the PMC (M/s EIL). Based on the assessment of PMC the total




composite value of work done by NCCL is Rs.311,43,70,000/-. Accordingly, a provision has been made in books against building construction for Rs.22,66,53,046/- and PMC Fees to EIL for Rs. 2,21,05,600/- which is included under **Schedule 5**.

12. During the year 2017-18 RG IPT has invoked the Performance Bank Guarantee of M/s. NCCL to the extent of Rs.20,38,49,233/- on 5.1.2018 since NCCL did not rectify various defects in the project, did not submit several documents and towards damages claim due to delay in completion of project and other payments. The Bank Guarantee amount is reflected under **Schedule-5** (Sundry Creditors – Others).

14. MoPNG in its meeting held on 14.2.2014 proposed to set up a centre of RG IPT in the area of Fire Engineering, Safety and Energy Research at Bangalore. The foundation stone for this centre was laid at Kambalipura (Bangalore) by Minister PNG on 5.3.2014. Meanwhile a fund of Rs.2000 lakh has been paid by OADB to RG IPT as an advance (vide letter No.4/15/2017-OADB dated 18.7.2017 for construction of compound wall and other miscellaneous project related expenses for setting up of Center of Excellence for Energy at Bangalore. During the year a further fund of Rs. 3000 lakh was paid by OADB to RG IPT (vide letter No. J-25021/6/2017-Gen/CA dated 24.7.2018) to commence academic courses from temporary campus. Since the amount has been received as an advance the same has been reflected under **Schedule -5** under Current Liabilities.

15. Consequent to the erstwhile service tax notification 09/2016-ST dated 1.3.2016 and NCCL's letter dated 9.9.2016 for refund of service tax of Rs.1,89,64,730.00 to RG IPT, necessary adjustment (reduction) of project cost and provision against building construction has been done to the extent of service tax paid during 2017-18.

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 31.3.2019 is un-ascertainable: -

(i) M/s Tejveer Singh had invoked arbitration claim for Rs. 1,49,41,814.00 plus interest in respect of civil work of boundary wall at Jais Campus, against which RG IPT has lodged counter claim of Rs 52,62,280.00 plus interest. On 21.12.2016 the Arbitrator declared his award in favor of the Contractor for an amount of Rs.43,67,157/- only along with the simple interest of 9% if settlement is delayed beyond one month by institute. In this context RG IPT has filed a petition u/s 34 of Arbitration and Conciliation Act in the District Judge Court at Rae Bareilly on 17th March 2017 to set aside the arbitration award. Due to the above circumstances the Contingent Liability now stands revised to Rs.43,67,157 plus interest of Rs.9,17,103/- up to 31.3.2019.

(ii) Arbitration instituted by M/s Punj Lloyd from 26.8.2013 for Rs. 73,88,92,012.00 plus interest @18% of Rs.75,36,69,852/- accrued up to 31.3.2019 in respect of Civil and Structural Work of RG IPT Campus in Jais, against which RG IPT has lodged counter claim on 29.1.2014 of Rs. 58,99,55,835/- plus interest @ 18% amounting to Rs.55,75,08,264/- accrued up to 31.3.2019. The arbitration is ongoing.

(iii) M/s NCCL has instituted arbitration claim on RG IPT in respect of composite contract for construction of buildings at Jais for Rs.126,94,98,580/- on 9.10.2017 plus interest of 18% which is Rs.34,27,64,617/- and GST @ 18% which is Rs.22,85,09,744/- RG IPT has raised a counter claim of Rs.2,17,93,253.00 plus interest @ 12% which is Rs.39,22,785/- as at 31.3.2019. The arbitration is ongoing.

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Signed on : 25/05/2019

(iv) M/s. Simplex Infrastructure has lodged arbitration claim of Rs.6,53,35,670/- plus interest of 18% which is Rs.3,23,41,157/- accrued as on 31.3.2018 on RGPT in respect of piling work at Sivasagar Assam during July 2016. RGPT's counter claim is Rs.13,21,044/-. The arbitration is ongoing.

(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 31.03.2019.

18. Capital Commitments

a) RGPT has received a sum of Rs.100 crore from GBS for procurement of equipment and furniture at Jais during 2017-18. Amount already incurred from the amount is Rs.27.40 crore as on 31.3.2019. Balance capital commitment is of Rs.72.60 crore.

b) Construction of boundary wall of Rs.5.80 crore on 150 acres of Land at Bangalore by M/s Nirmithi Kendra (Karnataka).

c) Construction of Central Workshop building and allied facilities by CPWD at Sivasagar (Assam) for Rs. 2.90 crore.


FINANCE OFFICER


DIRECTOR


PRESIDENT

CAG Report 2017-18



संख्या: एआय-11/Acs /RGIT/103-11/2019-20/
भारतीय लेखा तथा लेखापरीक्षा विभाग
कार्यालय प्रधान निदेशक वाणिज्यिक लेखापरीक्षा
एवं पदेन सदस्य लेखा परीक्षा बोर्ड-II
नई दिल्ली

INDIAN AUDIT & ACCOUNTS DEPARTMENT
OFFICE OF THE PRINCIPAL DIRECTOR 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 गांधी पेट्रोलियम प्रौद्योगिकी संस्थान के वर्ष 2018-19 के लेखों पर पृथक
लेखापरीक्षा प्रतिवेदन।

महोदय,

मैं, राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान के वर्ष 2018-19 के लेखों पर पृथक
लेखापरीक्षा प्रतिवेदन (अंग्रेजी) तथा वार्षिक लेखाओं की प्रति प्रेषित कर रही हूँ। इस सम्बन्ध 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,

हो
(प्राची पाण्डेय)

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

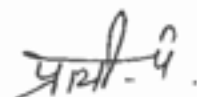


संलग्नक:- यथोपरि।

संख्या एमएच-11/Acs /RGIPT/103-11/2019-20 /293

दिनांक: 11-10-2019

पत्र की प्रति, सचिव, भारत सरकार, पेट्रोलियम और प्राकृतिक गैस मंत्रालय, को जारी की गई पृथक् लेखापरीक्षा प्रतिवेदन की प्रति सहित अध्यक्ष, राजीव गांधी पेट्रोलियम प्रौद्योगिकी संस्थान रायबरेली को प्रेषित की जाती है।



(प्राची पाण्डेय)

प्रधान निदेशक याणिज्यिक लेखा परीक्षा
एवं पदेन सदस्य, लेखा परीक्षा बोर्ड-II
नई दिल्ली

संलग्नक:- यथोपरि।

Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Rajiv Gandhi Institute of Petroleum Technology, Jais Amethi for the year ended 31 March 2019.

1. We have audited the attached Balance Sheet of Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais Amethi as on 31 March, 2019 and the Income and Expenditure Account/Receipt & 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 came 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 disclosures norms etc. Audit observations on the financial transactions with regard to compliance with the law, Rules and Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc. If any, are reported through Inspection Report / CAG's Audit report separately.

3. We have conducted our audit in accordance with auditing standards 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 examination, on test basis, evidences supporting the amounts and 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 :

1. 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.

- II. The Balance Sheet and Income and Expenditure Account/ Receipt & 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 account and other relevant records have been maintained by RGIPT in so far as it appears from our examination of such books.
- IV. We further report that :

Comment on Accounts:

A. Grant in Aid

As per the information submitted by the Institute, it was having unspent balance of Capital Grant amounting to ₹ 170.70 crore at the end of the year 2017-18. During the year 2018-19, the Institute did not receive any Capital Grant. However, it earned interest of ₹ 2.28¹ crore on unspent balance of Capital Grant and utilized ₹ 16.12 crore towards addition of assets/CWIP, during the year. Accordingly, the unspent balance of Capital Grant works out to ₹ 156.86 crore as on 31 March 2019. However, as per the Financial Statements, closing balance of Grant unutilized works out to ₹ 134.31 crore (Capital Fund ₹ 622.32 crore *minus* Gross Block ₹ 488.01 crore).

Institute stated (September 2019) that initially in the years 2008-09 and 2009-10, Revenue expenditure was also got considered while calculating Capital Grant utilization and accordingly, reconciliation of the difference would require to be done from the year 2008-09. Further, it assured to reconcile the difference in the amount of unutilized Capital Grant during the FY 2019-20.

- V. Subject to our observation 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 the accounting principles generally accepted in India.

¹ Institute has shown interest earned as ₹ 3.79 crore including ₹ 1.51 crore on account of Bank Guarantee invoked. However, the Institute has shown the BG Invoked under Current Liabilities (Schedule – 5). Accordingly, the same has been deducted from the interest earned.

- a. In so far as it relates to the Balance Sheet, of the state of affairs of the Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, Amethi as at 31 March 2019; and
- b. In so far as it relates to the Income and Expenditure Account, of the surplus for the year ended on that date.

For and on behalf of the
Comptroller and Auditor General of India



(Prachi Pandey)
Principal Director of Commercial Audit
& Ex-officio Member, Audit Board-II
New Delhi

Place: New Delhi
Date:

Annexure to SAR**1. Adequacy of Internal Audit System**

Internal Audit manual has been prepared by the Institute. Internal Audit up to September 2018 was carried out by a chartered Accountant firm. Thereafter, internal audit is being carried out by the Institute's own internal audit team.

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 RGIPY Act of the parliament.

3. System of Physical Verification of Assets

Physical verification of the fixed assets for the year 2018-19 has been carried out and no discrepancy has been found.

4. System of Physical verification of inventory

The physical verification of inventory was carried out by management and no discrepancy has been found.

5. Regularity in payment of Statutory dues

There was no statutory due outstanding against Institute for the year 2018-19.

**Deputy Director**



विद्यारत्नम् महद्वनम्



सम्पर्क Contact:

जितेन्द्र प्रसाद Jitendra Prasad

कार्यवाहक कुलसचिव Acting Registrar

राजीव गाँधी पेट्रोलिएम प्रौद्योगिकी संस्थान (आरजीआईपीटी)

Rajiv Gandhi Institute Of Petroleum Technology (RGPT)

जायस, अमेठी – 229304

Jais, Amethi – 229304

उत्तर प्रदेश, भारत

Uttar Pradesh, India



e-mail : registrar@rgipt.ac.in



Website : www.rgipt.ac.in