



कार्यालय कुलसचिव एवं लोक सूचना अधिकारी
OFFICE OF THE REGISTRAR & PUBLIC INFORMATION OFFICER
भारतीय प्रौद्योगिकी संस्थान रुड़की
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
रुड़की – 247 667 / **ROORKEE 247 667**

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e-mail: meeting@iitr.ernet.in
regis@iitr.ernet.in

No.IITR/PIO/RTI-2143/ 2025

Dated : 20/4/15

Ms. Nehaa Chaudhari
Centre for Internet and Society
G-15, Top Floor
Hauz Khas
New Delhi-110016

Application ID No. IITR/RTI-2143 dated 16.02.2015.

Subject: Information under the Right to Information Act -2005.

1. Reference your application dated 06.02.2015 seeking information under the RTI Act-2005 and sending Bankers Cheque No.030406 dated 08.04.2015 amounting to Rs.178/, as additional fee, which has been received in this office on 15.04.2015.
2. The details of the enclosed documents are given here under:

Point No.1: Appendix 'A' (46 pages).

Point No.2: Appendix 'B' (23 pages).

Point No.3: Appendix 'C' (03 pages).

Point No.4&5: Appendix 'D' (10 pages)..

Point No.6: Appendix 'E' (07 pages).

Encls: (89 pages)

(अनिल कुमार श्रीवास्तव)
(A.K. Srivastava)

ले० कर्नल (सेवानिवृत्त)/Lt. Col. (Retd.)
कुलसचिव एवं लोक सूचना अधिकारी
Registrar & PIO
17 APR 2015

Appendix 'A'

(97)

DEPARTMENT OF MANAGEMENT STUDIES
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Minutes of the Departmental Faculty Committee Meeting held at 12:15 hrs on
Monday, March 04, 2013 in the Committee Room of DoMS

Following were present:

- 1 Dr. Santosh Rangnekar
- 2 Prof. J.P.Singh
- 3 Dr. Z.Rahman
- 4 Dr.A.K.Sharma
- 5 Dr. Rajat Agrawal
- 6 Dr. Vinay Sharma
- 7 Dr. M.K.Barua
- 8 Dr. Usha Lenka
- 9 Dr. R.L.Dhar
- 10 Dr. M.K.Rao
- 11 Dr. J.K.Nayak
- 12 Dr. A.Ramesh

- (i) Minutes of the last meeting were confirmed.
- (ii) Letter no. DIR/IITR/67 dated February 28, 2013 received from Director, IIT Roorkee regarding departmental feedback on formation of the Departmental Administrative Committee (D.Ad.C.) in lieu of the Departmental Professorial Committee was discussed.

Following recommendations are proposed:

- (a) D.Ad.C. should be formed with representation from each cadre. 33% members of each cadre will make D.Ad.C. subject to minimum 2 members from a particular cadre.
 - (b) Chorum of D.Ad.C. should be 50% strength of total size of the committee.
 - (c) Members will be nominated to the committee on the basis of their seniority for a term of 2 years.
 - (d) Head of the Department will be the ex-officio chairman of the committee.
- (iii) Letter No. ACD/1992/UG-04 (IAPC) dated february 25, 2013 received from Asstt. Registrar Academics regarding feedback on Students Response form was discussed.

It is recommended that the practice of getting student responses is for self appraisal and self improvement of the concerned faculty. There should not be any limit for minimum acceptable score.

Syllabus of new institute elective IBM 08, Innovation, Entrepreneurship and Business Models proposed by MHRD-IPR Chair Professor P.K.Ghosh was discussed and forwarded to IAPC for further necessary action.

- (v) It was decided that current Departmental faculty Committee will perform duties of Departmental Academic Committee as well as Departmental research committee.



J.K.Nayak
27/2/13

Sodeen
20/3/13

J. K. Nayak

[Signature]

[Signature]

Ushalenka
20/3/2013

[Handwritten signature]
[Handwritten signature]

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Formation of Institute Time Table Committee (ITTC) and Institute Academic Performance Evaluation Committee was informed to the members.


It was decided to nominate coordinator of BM201 as member of ITTC.

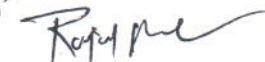
- (vi) It was proposed to have First Year MBA classes in LH1 or 2 or in new Lecture Hall complex. A formal request will be made to Dean, Academic Studies for allotment of room.
- (vii) It was decided to propose conversion of existing LR1 in a computer lab to create additional space considering increasing number of research scholars.
- (viii) Teaching scheme of autumn semester 2013 was discussed and decided as attached. It was also decided to have a balance in offerings of electives under different specializations. 6 to 8 electives should be offered to students under one specialization.

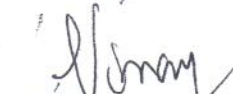
The meeting ended with vote of thanks to chair.



(J.P. Singh)

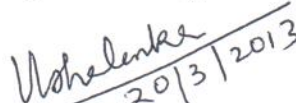

(Z. Rahman)
20/3/13

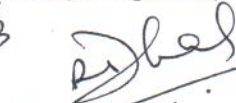

(A.K. Sharma)
26/3/13


(Rajat Agrawal)



(Vinay Sharma)



(M.K. Barua)

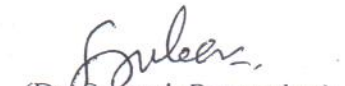

(Usha Lenka)
20/3/2013


(R.L. Dhar)


(M.K. Rao)


(J.K. Nayak)


(A. Ramesh)


(Dr. Santosh Rangnekar)
Chairman and HoD



TEACHING SCHEME AUTUMN SEMESTER 2013-14		
Course Code	Course Title	Faculty Member
MBA FIRST YEAR		
BM-501	Quantitative Techniques for Managers	Dr Rajat Agrawal
BM-503	Management Processes and Organizational Behaviour	Dr Santosh Rangnekar
BM-505	Managerial Economics	Dr J P Singh
BM-507	Business Communication	Dr Usha Lenka
BM-509	Financial Accounting	Dr A K Sharma
BM-511	Marketing Management	Dr Z Rahman
BM-513	Business Statistics	Dr M.K.Barua
MBA SECOND YEAR (COMPULSORY PAPERS)		
BM-601	Management Information System	Mr Lovneesh Chanana*
BM-603	Legal Aspects of Business	Dr. M.K.Rao
BM-605	Strategic Management	Dr Vinay Sharma
IT ELECTIVES		
BM-652	Enterprise, Business Applications	(Guest Faculty)**
BM-654	Software Engineering and Management of Software Development	Mr. S.Danturi*
MARKETING ELECTIVES		
BM-664	Integrated Marketing Communication	Dr Vinay Sharma
BM-668	Services Marketing	Dr Z Rahman
FINANCE ELECTIVES		
BM-673	Security Analysis and Portfolio Management	Prof J P Singh
BM-672	Working Capital Management	Dr A K Sharma
BM-679	Financial Statement Analysis and Reporting	Prof V K Nangia
BM-674	Indian Financial System	Prof V K Nangia
OPERATIONS ELECTIVES		
BM-644	Supply Chain Management	Dr Rajat Agrawal
	Operations Planning & Control Systems	Dr A Ramesh
BM-646	Project Management	Dr. M.K.Barua
HR ELECTIVES		
BM 635	Management of Training and Talent Development	Dr. Usha Lenka
BM-639	Management of Self and Interpersonal Dynamics	Dr. Santosh Rangnekar
INSTITUTE LEVEL COURSES		
BM-201	Management Concepts and Practices	Dr A K Sharma, Dr. A.Ramesh, Dr. R.L.Dhar, Dr. J.K.Nayak
IBM04	Strategic Human Resource Management	Dr. R.L.Dhar
IBM05	Management of Self and Interpersonal Dynamics	Dr. M.K.Rao
IBM06	Marketing Research	Dr. J.K.Nayak
IBM08	Innovation, Business Models and Entrepreneurship	Prof. P.K.Ghosh



Soulen
Rajesh R
Rahman 20/3/13
J.K. Nayak
Ushalenka 20/3/2013
Vinay
Agrawal 20/3/13

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INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

NAME OF DEPTT. / CENTRE : DEPARTMENT OF MANAGEMENT STUDIES

1. Subject Code : IBM-08 Course Title : INNOVATION, ENTREPRENEURSHIP AND BUSINESS MODELS

2. Contact Hours: L: 3 T: 0 P: 0

3. Examination Duration (Hrs.): Theory: 3 Practical: 0

4. Relative Weightage: CWS 15 PRS 0 MTE 35 ETE 50 PRE 0

5. Credits: 3 6. Semester: Both

7. Pre-requisite: Nil 8. Subject Area: HSSMEC

9. Objective: The objective of this subject is to acquaint students about the importance of innovation, entrepreneurship and new business models to support these initiatives.

10. Details of the Course:

S.No.	Contents	Contact Hours
1	Introduction to Innovation, process of innovation, the nature of innovation within firms and their motives for innovation, collaboration with other firms in networks and strategies to protect own position	6
2	Harnessing innovation for businesses : opening of new markets and developing new ways to serve existing customers, threats of rapid pace of technological change to established businesses and existing business models, how new entrants to markets can leverage these opportunities to establish themselves in an industry - and how established businesses can respond	7
3	Innovation and Entrepreneurship, managing innovation and entrepreneurship, challenges of innovation strategy,	5
4	Social entrepreneurship and innovation	4
5	Globalization of innovation, open system of innovation	4
6	Recognising the opportunity, sources of innovation	4
7	Designing business models from entry into incubation	4
8	Development of business models for your own innovation, analysis of business models of competitors and incumbents.	4
9	Creating more value through integration of business models in e-marketing	4
	Total	42



Signature

Signature

J. K. Jayal

Signature

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11. Suggested Books:

S. No.	Name of Authors/Book/Publisher	Year of Publication / Reprint
1	Bessant J. and Tidd J., Innovation and Entrepreneurship, John Wiley & Sons, 2 nd Edition	2011
2	Drucker P.F., Innovation and Entrepreneurship, Harper Business	1993
3	Chanal V., Rethinking Business Models for Innovation lessons from entrepreneurial projects, (e book) halshs-00566298, version 2	2011
4	George G. and Bock A.J., Models of opportunity how entrepreneurs design firms to achieve the unexpected, Cambridge University Press	2012



Electronics & Communication Engineering, Computer Science/ Engineering, Instrumentation Engineering, and VLSI Engineering, Information Technology, Biotechnology, Material Science or its equivalent degree.

(ii) M.Sc. in Chemistry, Environmental Science, Biotechnology, Botany or its equivalent degree (with Mathematics as one subject at the Bachelors level)

Department of Polymer and Process Engineering:

(i) B.E./B.Tech./M.E./M.Tech. in Polymer, Chemical, Process Engg., Environmental Engg., Biotechnology, Nanotechnology, Computer Science or its equivalent degree.

(ii) M.Sc. in Chemistry, Medical Sciences or equivalent, Biotechnology, Physics, Mathematics, Microbiology or its equivalent Degree (with Mathematics as one subject at Bachelors level)

Item No. 48.5: To consider and approve the Syllabi of under mentioned 04 (Four) Institute Elective courses as proposed by Department of Management Studies under HSSMEC group.

The Senate approved the IAPC recommended syllabi of the following courses as given at **Appendix 'A'** after incorporating the suggestions given by the Senators on the floor:

- IBM-03 : Cross Cultural Management
- IBM-04 : Strategic Human Resource Management
- IBM-05 : Management of Self and Interpersonal Dynamics
- IBM-08 : Fundamentals of Innovation and Business Models

Item No. 48.6: To consider and approve the Structure and Syllabi of B. Tech. (Polymer Science & Technology) programme as proposed by Department of Polymer Science & Process Engineering, Saharanpur Campus, vide letter No. 3007/IITR/SC dated 11.2.2013.

As recommended by the IAPC, the Senate decided that the modified Structure and Syllabi of 2nd year B. Tech. (Polymer Science & Technology) programme of the Department of Polymer Science & Process Engineering, as given at **Appendix 'A1'**, be approved.





स्नातकोत्तर प्रवेश कार्यालय
भारतीय प्रौद्योगिकी संस्थान रुड़की
रुड़की-247 667 (उत्तराखण्ड), भारत

POSTGRADUATE ADMISSION OFFICE
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE-247 667 (Uttarakhand), INDIA

Prof. Akhil Upadhyay
Chairman

Prof. K.L.Yadav
Vice-Chairman

Tel: 01332-284010/285875,

Fax: 01332-285874

email: pgadm@iitr.ernet.in

No. IITR/Ph.D-Adm.-14/Spring/6271

Dated: December 05, 2014

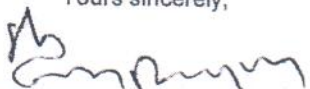
ANKUR KASHYAP
J.P.KASHYAP
442/1, NEW ADARSH NAGAR
ROORKEE
Phone: 9719293853

Dear Candidate,

I have great pleasure to inform you that on the basis of your application for admission to Ph.D. programme in the Department/Centre of Management Studies and subsequent interview, you have provisionally qualified for admission to the Ph.D. programme as a **Part-time candidate under the project category** at this Institute. You are offered admission to Ph.D. programme during the Spring semester 2014-15 on the following conditions:

1. The admission is offered as PART-TIME candidate under the project category subject to the tenure of the project must be of two years from the date of registration.
2. You will be governed by the Statutes/Ordinances/Regulations of this Institute applicable from time to time.
3. You are required to join and **register yourself on 26.12.2014 in the Senate Hall, IIT Roorkee between 9.00 a.m. to 5.00 p.m.**
4. You are required to bring with you in original the following documents and their attested copies for submission at the time of registration, failing which you will not be registered and your offer of admission will stand withdrawn.
 - (i) High School or equivalent Certificate.
 - (ii) Bachelor's and Master's Degrees and the Marksheets/Gradesheets thereof.
 - (iii) Migration/Transfer Certificate (in original) from the Institution last attended.
 - (iv) Character Certificate (in original) from the Institution last attended
 - (v) GATE / NET Certificates (attested copy, if applicable).
 - (vi) Eight copies of your recent photograph (one coloured ticket-size for Identity Card)
 - (vii) **Copy of appointment letter and No Objection Certificate from the office of Dean, SRIC.**
5. You will be required to pay the Institute and other fees in each semester on the dates notified till you submit the thesis for award of the degree. The fee structure can be revised during your studies at this Institute and will be applicable to you.
7. You are also required to deposit the Institute fees (which includes Hostel/Mess charges) for the current semester at the time of registration through two separate Bank Drafts drawn on any scheduled bank and payable at Roorkee only in favour of Chairman PG Admission, IIT Roorkee for **Rs. 21880.00 for General/OBC Category and Rs. 19380.00 for SC/ST** and another for **Rs. 16600/-** in favour of Chairman CCB, IIT, Roorkee.
8. For all matters not specified above you shall be governed by the orders and regulations etc of the institute applicable to the students/scholars and the decision of any competent authority shall be applicable and binding on you.

Yours sincerely,


Chairman, PG Admission





स्नातकोत्तर प्रवेश कार्यालय
भारतीय प्रौद्योगिकी संस्थान रुड़की
रुड़की-247 667 (उत्तराखण्ड), भारत

POSTGRADUATE ADMISSION OFFICE
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE-247 667 (Uttarakhand), INDIA

Prof. A. K. Singh
Chairman

Prof. Akhil Upadhyay
Vice-Chairman

Tel: 01332-284010/285875,

Fax: 01332-285874

email: pgadm@iitr.ernet.in

No. IITR/Ph.D-Adm.-13/Spring/13114

Dated: December 11, 2013

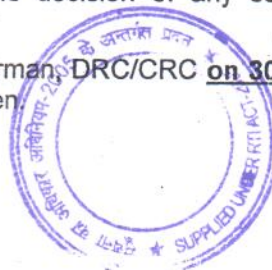
JUHI RAGHUVANSHI
HOUSE NO-60/261 LAXMAN VIHAR NEAR RAJVANSHI
DHARMASHALA-NEW MANDI MUZAFFARNAGAR
UTTAR PRADESH PIN: 251001
Tel: 9736275963

Dear Candidate,

I have great pleasure to inform you that on the basis of your application for admission to Ph.D programme in the **Department/Centre of Management Studies** and subsequent test/interview, you have provisionally qualified for admission to the Ph.D. programme as a **FULL-TIME** candidate at this Institute. You are offered admission to Ph.D programme during the Spring semester of session 2013-14 on the following conditions:

1. As you are eligible for **IPR Chair** fellowship, you will not be given any financial assistantship by the Institute.
2. You will be governed by the Statutes/Ordinances/Regulations of this Institute applicable from time to time.
3. You are required to join and **register yourself on 01.01.2014 in the Lecture Hall-I, adjacent to Deptt of Management Studies, IIT Roorkee between 9.00 a.m. to 1.00 p.m.**
4. You are required to bring with you in original the following documents and attested copies for submission at the time of registration, **failing which you will not be registered and your offer of admission will stand withdrawn.**
 - (i) High School or equivalent Certificate.
 - (ii) Bachelor's and Master's Degrees and the Marksheets/Grade sheets thereof.
 - (iii) Migration/Transfer Certificate (in original) from the Institution last attended.
 - (iv) Character Certificate (in original) from the Institution last attended.
 - (v) GATE / NET Certificates (attested copy).
 - (vi) Eight copies of your recent photograph (one coloured ticket-size for Identity Card)
 - (vii) **If you are employed, sanction of leave for period of at least three years or letter of acceptance of resignation and proof of relieving, failing which you will not be allowed to register.**
5. You will be required to pay the Institute and other fees till you submit the thesis for award of the degree. The fee structure can be revised during your studies at this Institute and will be applicable to you.
6. You are also required to deposit the Institute fees (which includes Hostel/Mess charges) for the current semester at the time of registration through two separate Bank Drafts drawn on any scheduled bank and payable at Roorkee only one drawn in favour of Registrar, IIT Roorkee for **Rs. 21,880.00 for General/OBC Category and Rs. 19,380.00 for SC/ST** and another for **Rs. 16600/-** in favour of Chairman CCB, IIT, Roorkee.
7. Accommodation in Bachelor's Hostel and Mess facilities, as available, will be provided to you after joining.
8. For all matters not specified above you shall be governed by the orders and regulations etc of the institute applicable to the students/scholars and the decision of any competent authority shall be final and applicable and binding on you.

You are required to report to the HOD/Chairman **DRC/CRC on 30.12.2013** to complete other formalities like topic, supervisor, subjects etc. to be taken



Yours sincerely,

Chairman, PG Admission

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भारतीय प्रौद्योगिकी संस्थान रूड़की
INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
प्रायोजित शोध एवं औद्योगिक परामर्श कार्यालय
SPONSORED RESEARCH & INDUSTRIAL CONSULTANCY OFFICE

सं०आईआईटीआर/स्रिक/648/एमएचआरडी-आईपीआर चेयर
NO. IITR/SRIC/ 648 /MHRD-IPR Chair

दिनांक : सितम्बर 05 , 2014
Dated: September 05 , 2014

✓
Dr. P.K. Ghosh
MHRD-IPR Chair
Deptt. of Management Studies

The joining report of Shri Rahul Singh Rathore as Research Officer under MHRD-IPR Chair in MHRD-IPR Chair Office, Department of Management Studies has been accepted w.e.f. 1.9.2014 (forenoon).

The period of Fellowship will be **One Year w.e.f. 1.9.2014 to 31.8.2015**. He will be paid consolidated amount of fellowship **Rs.25,000/-p.m. (fixed)** on the terms & conditions as laid down in award letter No.SRIC/198/MHRD-IPR Chair dated August 12, 2014.

The payment as due to him is chargeable to research scheme grant No. **MHRD-IPR Chair**.

Rajhans
5/9/14
सहायक कुलसचिव (स्रिक-प्रशासन)
Asstt. Registrar(SRIC-Admn.)

Copy to:

1. Prof. & Head, Department of Management Studies.
2. Asstt. Registrar (A & A)



(88) (346)

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
SPONSORED RESEARCH & INDUSTRIAL CONSULTANCY OFFICE

NO. IITR/SRIC/ 465 /MHRD-IPR Chair

Dated: July 15 , 2013

✓ **Dr. P.K. Ghosh**
MHRD-IPR Chair Professor
Deptt. of Management Studies

The joining report of Shri Vinit Ghosh as Research Officer to carry out research work in MHRD-IPR Chair Office in the Department of Management Studies has been accepted w.e.f. 10.7.2013.

The period of Fellowship will be **One Year w.e.f. 10.7.2013 to 9.7.2014**. He will be paid consolidated amount of fellowship **Rs.25,000/-p.m. (fixed)** on the terms & conditions as laid down in award letter No.SRIC/247/MHRD-IPR Chair dated July 04, 2013.

The payment as due to him is chargeable to research scheme grant No. **MHRD-IPR Chair**.


Asstt. Registrar (SRIC-Admn.)

Copy to: -

1. Dean, Finance & Planning.



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भारतीय प्रौद्योगिकी संस्थान रूड़की
INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
प्रायोजित शोध एवं औद्योगिक परामर्श कार्यालय
SPONSORED RESEARCH & INDUSTRIAL CONSULTANCY OFFICE

सं०आईआईटीआर/स्रिक/104/एमएचआरडी-आईपीआर चेयर
NO. IITR/SRIC/ 104 /MHRD-IPR Chair

दिनांक : अप्रैल 27, 2014
Dated : April 29, 2014

OFFICE MEMO/कार्यालय ज्ञापन

Consequent upon the recommendation of P.I. and MHRD-IPR Chair Professor, Management Studies Department, sanction of Dean SRIC is hereby accorded for the extension of fellowship awarded to Shri Ankur Kashyap as Research Assistant for a period of one year **w.e.f. 1.5.2014 to 30.4.2015** on existing terms and conditions of his award letter as already accepted by him under MHRD-IPR Chair grant no. **MHRD-IPR Chair** in Management Studies Department.

Shri Ankur Kashyap
Research Assistant
Management Studies Department


(वी०के० सिंह /V.K. Singh)
सहायक कुलसचिव (स्रिक-प्रशासन)
Asstt. Registrar(SRIC-Admn.)

Copy to: -

1. Dr. P.K. Ghosh, MHRD-IPR Chair Professor & PI, Management Studies Deptt.
2. Dean, Finance & Planning.



COURSE FEE

There is a course fee for participants. Boarding and lodging in campus guest house of the Centre for Continuing Education will be arranged for the participants along with the course material.

NOMINATION AND CORRESPONDENCE

The nomination form, duly forwarded by the sponsoring agency, should be sent to the following address preferably by 18th February 2013:

HEAD

Continuing Education Centre
Indian Institute of Technology Roorkee
Roorkee - 247 667
Tel : 01332 - 284327 / 285227
Fax : 01332 - 285545 / 273560

SPECIAL NOTE

The maximum number of participants can be accommodated is limited to about 20. The decision to run the course depends on the response and number of candidates. It is therefore advised that the candidates should proceed to join the course only on receipt of confirmation of admission.

CONTINUING EDUCATION CENTRE

This Centre acts as a window to disseminate information and technology on latest technological developments. Courses organized by the Centre are innovative, accessible and stimulating and address to the current needs of the professionals. Programs reach to participants in all corners of the country from all walks of life. To meet a variety of needs, Centre offers flexible, comprehensive course curricula in many formats. Courses are being organized through the technical expertise available in the departments and centers of the Institute. Experts from industries and R & D organizations are also invited to deliver lectures wherever necessary. To improve the performance of the centre, regular feedback from the participants is taken regarding course contents, presentation, hostel facilities etc.

ABOUT IIT ROORKEE

Indian Institute of Technology Roorkee, a temple of learning, is over 150 years old and is situated amidst verdant surroundings not far from the stately Ganga Canal. Historically, the Institute has its roots in the Roorkee College established in 1847 as the first Engineering College in British Empire. In the march for continuing industrial development, this institution has played a vital role in providing indigenous technology and teaching manpower to the country.

ABOUT ROORKEE

Roorkee has been the house to the engineering and technological innovations in the country. The first steam locomotive in India moved on 22 Dec. 1851 between Roorkee and Piran Kaliyar for the construction of Solani Aqueduct, which was in itself an engineering marvel. Roorkee, a quite town of moderate size, is 170 Km North of Delhi and situated on Amritsar - Howrah main line. Located on Delhi - Haridwar National Highway (NH - 58), Roorkee is also well connected by road. The town is 268 m above the sea level and has mild cool pleasant weather during the month of March.

COURSE COORDINATORS

Dr. P. K. Ghosh

MHRD-IPR Chair Professor
Department of Management Studies
Indian Institute of Technology Roorkee
Roorkee - 247 667

Phone : 01332 - 285699, 285118 (O)

285082, 271654 (R)

FAX : 01332 - 285118, 273560

e-mail : ip-chair@iitr.ernet.in

Dr. Rajat Agarwal

Assistant Professor
Department of Management Studies
Indian Institute of Technology Roorkee
Roorkee - 247 667

Phone : 01332 - 285737 (O) 285108 (R)

FAX : 01332 - 285118, 273560

e-mail : ip-chair@iitr.ernet.in



ANNOUNCEMENT

SHORT TERM COURSE

ON

PROMOTION OF INNOVATION IN HIGHER EDUCATIONAL INSTITUTIONS (HEIS)

(March 01 - 05, 2013)



Organized by

MHRD-IPR Chair

Department of Management Studies

and

CONTINUING EDUCATION CENTRE

Indian Institute of Technology Roorkee

Roorkee - 247 667, Uttarakhand

INTRODUCTION

It has been recognized internationally that Innovation is a major pillar of development process of a country. Higher Education and Research Institutions (HEIs) are by definition knowledge generating institutions, and recognized as key drivers for knowledge – based economic development and growth. The process of innovation is an integrated effort that starts from a well organized realization of a subject and ends up in a recorded delivery to the society and mankind as a whole. It requires special attention of creators towards handling the novel and legal aspects of their work. Innovations and inventions leading to IP creation require an institutional environment that facilitates the process of research. Researchers should be aware of appropriate practices that need to be followed during the process of research in order to organize their work towards generation and creation of intellectual property. Over and above the scholars and researchers should possess an attitude of acquiring systematic knowledge to organize their effort and objective for a conscious disclosure and claim.

The role of modern educational institutes is no longer restricted to academic research and study. Collaborative research, links between university and the corporate sector, technology transfer and commercialization are the need of the times and need to be advocated and promoted efficiently. Effective management of Innovation is crucial to guarantee that the results produced in institutions reach the market place and are effectively transformed into market value and intellectual capital. HEIs worldwide bear great but mostly un-exploited research potential and still lack effective structures, processes and competence to efficiently develop and manage innovation as well as knowhow to exploit and harness the benefits of IP effectively. In this regard development of effective models of promotion of innovation and management in collaborative and sponsored research, involvement of institutes in innovation systems, and value creation from innovation in HEIs is very much important. Institute-Industry cooperation as well as technology transfer and organizational structures necessary to foster the innovation and exploitation of IP are some of the areas in which training needs to be conducted in universities and institutions.

By placing an emphasis on the level of HEIs and their innovation management practices, the above topics will be dealt with from a distinct angle, which currently is of increasing interest to researchers and managers at HEIs and enterprises alike. Through a comprehensive and interdisciplinary overview, the lecture series will contribute towards creating necessary awareness among academics, researchers, higher education managers and enterprises cooperating with HEIs on the tactical approach of creation of objective oriented innovation.

OBJECTIVES OF THE COURSE

Primary objectives of the course are to educate the IP facilitator, and managers of HEIs on following aspect of innovation:

1. Creating awareness about the need and importance of innovative research.
2. Counseling and organizing research work for structured innovation.
3. To identify value in research and innovation.
4. To develop suitable infrastructures for protection and management of innovation
5. Appropriate strategies for commercialization of innovation

COURSE CONTENTS

Organizing Faculty, Students & Scholars in Research.

- Infrastructural Facilities for innovation management.
- Fundamentals of structured innovation.
- Patent Search and identification of innovation.
- Evaluation of innovation
- Innovation Management.
- Technology Transfer.
- Registry innovation by Patent Disclosure.
- Innovation promotion and management policy.

ELIGIBILITY

Teachers in-charge of research and IPR of Engineering / Management degree Colleges and Institutes having an experience of at least three years.

NOMINATION FORM

CONTINUING EDUCATION CLUTRE
INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE

SHORT TERM COURSE

or

PROMOTION OF INNOVATION IN HIGHER EDUCATIONAL INSTITUTIONS (HEIS)

(March 01 – 05, 2013)

Name & Address of Candidate.....

Tel. (With STD code)

(Off.).....(Res.).....

FAX : Mobile.....

e-mail :

Address of Sponsoring Authority :

Tel. (With STD code)

(Off.).....FAX.....

e-mail :

1. Medical fitness certificate of the candidates is enclosed.

Signature of Candidate

Signature of Sponsor
With Seal

Date :

Note : Please enclose your brief C.V. without any supporting documents.

A Report

on

Training of Trainers Program

**“Promotion of Innovation in Higher Educational Institutions (HEIs)”
organised at IIT Roorkee during March 01-05, 2013
under MHRD-IPR Chair**

A Training of Trainers (ToT) program on “Promotion of Innovation in Higher Educational Institutions (HEIs)” was organised during March 01 – 05, 2013 at Centre for Continuing Education, IIT Roorkee.

The Primary objectives of the course were to educate the IP facilitator, and managers of HEIs on following aspect of innovation:

1. Creating awareness about the need and importance of innovative research.
2. Counselling and organizing research work for deliverable innovation.
3. To identify value in research and innovation.
4. To develop suitable infrastructures for protection and management of innovation
5. Appropriate strategies for commercialization of innovation

The course were attended by 13 participants (Researchers, students, faculty members) from various Higher Educational institutes viz. IIT Roorkee, NLU Jodhpur, TMU- Moradabad, OIMT-Rishikesh, College of Technology & Engineering Udaipur, CSIR-IHBT Palampur, GKU Haridwar, CSIR-CLRI Chennai etc.

The contents of the Course were :

- Organizing Faculty, Students & Scholars in Research.
- Infrastructural Facilities for innovation management.
- Fundamentals of “Structured Innovation”.
- Patent Search and identification of innovation.
- Evaluation of innovation
- Innovation Management.
- Technology Transfer.
- Registry innovation by Patent Disclosure.
- Innovation promotion and management policy.



The following experts delivered the lecture during this course

- (1) Mr. G.R. Raghavender on topic “ Introduction to Copyrights and Patents”
Director (BP&CR)
- (2) Dr. P.K. Ghosh on topic “ Introduction to Structured innovation”
MHRD-IPR Chair Professor, IIT Roorkee
- (3) Dr. Himanshu Joshi on topic “ Beauty of Innovation”
Prof. & Coordinator IPR Cell, IIT Roorkee
- (4) Dr. S.N. Rangnekar on topic “ Technology and Entrepreneurship”
Head, Department of Management Studies, IIT Roorkee
- (5) Dr. K.L. Yadav on topic “ Frontiers of Innovation in Science & Technology”
Associate Professor, Physics Department, IIT Roorkee
- (6) Dr. V.C. Srivastava on topic “Innovations in Chemical Engineering: An Introduction”
Assistant Professor, Department of Chemical Engg., IIT Roorkee
- (7) Dr. Rajat Agarwal on topic “ Case study Discussion on Business Innovation”
Assistant Professor, Department of Management Studies, IIT Roorkee
- (8) Dr. Vinay Sharma on topic “ Innovative Business Models”
Assistant Professor, Department of Management Studies, IIT Roorkee
- (9) Dr. Babita Sinha on topic “ IPR and Innovation”
Assistant Professor, Department of Hum. & Soc. Sciences, IIT Roorkee



ABOUT NATIONAL CONCLAVE

National Conclave is an event of MHRD-IPR Chair at Indian Institute of Technology Roorkee to prepare a roadmap for Innovation and Entrepreneurship in Higher Educational Institutes. Participants of this conclave comprise of senior academicians of country involved in IPR management, innovation and entrepreneurship. Every year the conclave will focus on a particular theme and this year the focus is on "**Innovation and Entrepreneurship in HEIs**" as its central theme. This event will witness prominent invited speakers on the topic from India addressing and interacting with Faculties from Higher Educational Institutes and Senior professionals from the Indian Industry. This event will provide the academicians an opportunity to interface with each other so as to create an eco-system for structured innovation in their institutes to ideate and develop solutions to serve diverse global communities.

BACKGROUND

India has a long tradition of innovation. Large number of qualified people in different higher educational institutes is engaged in innovative activities. This talent pool has to be leveraged to drive the innovation agenda. Further, there is also a need to capture the multiple innovations happening in various domains such as government, R&D labs, universities, and across sectors, to give an impetus to the innovation process in the country.

Role of higher educational institutes (HEI) is pivotal in developing culture of innovation and entrepreneurship in India. Many a times, it is said that academic input in country is largely disconnected from industry requirements. A system of innovation is required in these institutes which can lead to desired outputs for society to bridge the gaps of inequalities. This process of innovation is termed as "Structured Innovation". largely disconnected from industry requirements. A system of innovation is required in these institutes which can lead to desired outputs for society to bridge the gaps of inequalities. This process of innovation is termed as "Structured Innovation".



It is necessary to enhance the innovation capacity of universities and higher education institutions in India. With the objective of creating a culture of Structured Innovation in Indian HEIs, this conclave is being organized to address following agenda in specific:

- * Understand the forces driving the structured innovation in general and engineering/managerial solutions specifically
- * Identifying innovative ways to increase awareness about Structured Innovation and entrepreneurship in HEIs in India
- * Understanding the role of human resource management in developing a culture of structured innovation and entrepreneurship in HEIs
- * Preparing a roadmap for promoting Structured Innovation and entrepreneurship in HEIs in India
- * Identify potential ways for linking benefits of Structured Innovation and entrepreneurship for international collaboration.

ORGANISING COMMITTEE

Prof. Pradipta Banerjee
Director, IIT Roorkee

Patron

Dr. P.K. Ghosh
MHRD-IPR Chair Professor
Ph. : 01332 - 285699, 285118
e-mail : prakgfm@gmail.com

Chairman

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Convenor

Dr. Vinay Sharma
Asst. Professor, Dept. of Management Studies
Ph. : 01332 - 285175,
e-mail : vinayfdm@iitr.ernet.in

Organising Secretary

ABOUT IIT ROORKEE:

Indian Institute of Technology Roorkee, a temple of learning, is over 150 years old and is situated amidst verdant surroundings not far from the stately Ganga Canal. Historically, the Institute has its roots in the Roorkee College established in 1847 as the first Engineering College in British Empire. In the march for continuing industrial development, this institution has played a vital role in providing indigenous technology and teaching manpower to the country.

WHO SHOULD ATTEND?

The conclave is a platform to interact with senior academicians and industry leaders. Faculty members and researchers of HEIs involved in IP management, innovation and entrepreneurship should attend this conclave. Additionally industries involved in R&D / innovation may also nominate delegates.

REGISTRATION

There is no registration fee for this conclave. Lodging / boarding arrangements will be made by the organizers without any charges.

DATE AND VENUE

The conclave will take place on March 2-3, 2013 at Department of Management studies, Indian Institute of Technology, Roorkee.

Contact:

Dr. Vinay Sharma

Asst. Professor, Dept. of Management Studies

Organising Secretary

National conclave : **"Innovation and Entrepreneurship in
Higher Education institutes (HEIS)"**

Indian Institute of Technology Roorkee

Ph. : 01332- 285175, 285118 (O) 285876 (R)

e-mail : ip-chair@iitr.ernet.in, vinayfdm@iitr.ernet.in

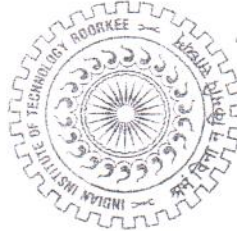
National Conclave

on

"INNOVATION AND ENTREPRENEURSHIP IN

HIGHER EDUCATION INSTITUTES (HEIS)"

(March 02 - 03, 2013)



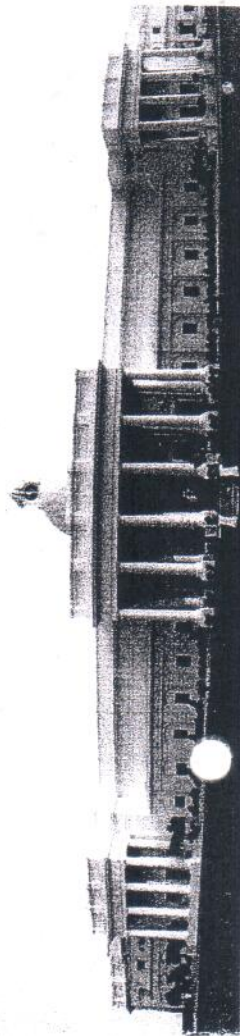
Organized by :

MHRD-IPR Chair

DEPARTMENT OF MANAGEMENT STUDIES

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE 247 667, UTTARAKHAND



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A Report

On

National Conclave

“Innovation and Entrepreneurship in Higher Education Institutes” organized at IIT Roorkee during March 2-3, 2013 Under MHRD-IPR Chair, IIT Roorkee

A Two days national conclave on “Innovation and Entrepreneurship in Higher Education Institutes” was organized at IIT Roorkee from March 2-3, 2013 with the following agenda in specific :

- Understanding the role of human resource management in developing a culture of objective oriented structured innovation and entrepreneurship in HEIs.
- Identifying innovative ways to increase awareness about providing such innovations and their delivery to the society through development of entrepreneurship in HEIs in India.
- To understand the forces driving the structured innovation in general and engineering/managerial solutions specifically.
- Preparing a roadmap for promoting Structured Innovation and entrepreneurship in HEIs in India.
- Identify potential ways for linking benefits of Structured Innovation and entrepreneurship for International Collaboration.

The function of the conclave was inaugurated by **Dr. Sam Pitroda, Adviser to the Prime Minister on Public Information Infrastructure & Innovations during his address** through video conferencing from (Chicago USA) he shared his views with pertinent points elaborating his personal experience on propelling innovation through his invention of digital diary and then patenting it and using it commercially. He suggested how innovation can be propelled at grass root levels and how systems may be changed radically. He emphasized wider use of IT in routine services for transparency and accessibility. He suggested the steps which Government under his advice is doing for example TOR-PHOR -JOR schools for propelling innovation amongst the students. He strongly emphasized upon active role of alumni in promoting innovation management for entrepreneurship in HEIs.

Prof. S.K. Bhattacharya, Director CBIR-CSIR, Roorkee was Guest of Honor in the inaugural ceremony of the conclave. Inaugural session was witnessed by large number of students, scholars and IITR faculty members including Deans, Heads of the departments and senior professors.



The participants extensively interacted with Dr. Pitroda and he readily accepted our desire to get him as a mentor to the activities on promotion of structured innovation and entrepreneurship in HEIs to be launched by the MHRD-IPR Chair, IIT Roorkee.

After inaugural session, three technical sessions were organized. In one of the session, keynote speaker was Mr. Lovneesh Chanana, Director, KPMG and he discussed in detail about the role of industry in promoting Innovations at HEIs. He emphasized that both parties have a lot of scope to create a win-win situation but active participation is missing.

Prof. V.K.Nangia, Professor, Department of Management Studies, IIT Roorkee was also one of the keynote speaker and he also stressed role of mentorship of young students for taking innovations into successful enterprises.

Prof. Ashok Mittal, IPR Chair Professor, IIT Kanpur was also one of the keynote speaker and discussed various challenges to be solved for active engagement of industry and academia.

Dr. S.M.Mathur, Professor & Coordinator PRISM, CTE, Udaipur was also one of the speaker and he shared his views on innovations in Indian HEIs. He emphasized that a large gap exists between Indian and International HEIs with respect to innovations.

The conclave was participated by the Researchers, students, faculty members, Industrialist and other eminent thinkers of various institutions viz. IIT Roorkee, CBRI-Roorkee, KPMG, New Delhi, NLU Jodhpur, TMU- Moradabad, OIMT-Rishikesh, College of Technology & Engineering Udiapur, CSIR-IHBT Palampur, GKU Haridwar, IIT Kanpur, CSIR-CLRI Chennai etc.

Fundamental outcomes were that for propelling a culture of "Structured Innovation" a roadmap has to be developed and implemented to the HEIs. In this regard a specific planning must be executed in reforming and reorganizing the infrastructural facilities of research and academic administrations with due support from relevant ministries of the Govt. of India.



INTRODUCTION

Innovation is known to be an ability to continuously seek and implement possibilities for new solutions. Innovation is not a simple technique that can be introduced by management or bought from a supplier or consultant, it emerges from culture, values, incentives, knowledge, management philosophy, and even communication. Higher educational institutes (HEIs) to be innovative entities that continuously develop new products, concepts, solutions and processes require competent people, good methodology and sufficient resources. Innovation in HEIs have to be promoted mainly to achieve sufficient momentum and execution power in each stage of the development process, from idea generation to implementation, and to achieve collaboration between participants with different background of education and expertise.

On the other hand, a strong IP protection system is essentially required to protect the valued outcome of the innovation process. The primary purpose of IP protection system is to promote investments in research for knowledge creation and business innovation by establishing exclusive rights to use and sell newly developed technologies, goods, and services.

At a time when knowledge and innovation have become the most prized assets in the economy of the country, HEIs play an increasingly prominent role in the spread of intellectual property (IP) protection in collaboration with public administration and business. In this context, a short term course is planned to organize where a comprehensive overview will be provided towards improving the innovation and IP among academics, researchers, higher education managers and enterprises cooperating with HEIs.

OBJECTIVES OF THE COURSE

1. Creation of an environment that encourages and expedites the dissemination of discoveries, creations and new knowledge generated by researchers for the greatest public benefit
2. To develop awareness of the IP systems in the HEIs of the country.
3. To develop a system which ensure that both intellectual property and other products of research are made available to the public through an efficient and timely process of technology transfer.
4. To understand the relationship between culture and innovative behavior.

COURSE CONTENTS

- Importance of innovation and IP for national growth.

Role of technology change on innovation management.

- Promotion of research for tangible outcome.
- Innovation and entrepreneurship.
- Business models and innovation
- Open innovation and IP valuation
- Facilitation of innovation and development of IP in HEIs
- Intellectual Property issues in Technology Transfer.

WHO MAY PARTICIPATE?

Course is open to faculty members having minimum of 3 years experience related to innovation & IPR of any AICTE recognized degree level engineering/ management colleges, technical universities or deemed universities.

There is no course fee for participants. Boarding and lodging in campus guest house of the Centre for Continuing Education will be arranged for the participants along with the course material.

CONTINUING EDUCATION CENTRE

It is a pioneering centre in the area of continuing education in the country. It has played a very important role in the promotion of knowledge up-gradation activity in our country by organizing refresher/specialist courses for in-service technical and professional person from various Govt./Semi Govt. organizations, public and private undertakings, research institutions and industries. The Centre conducts about 60 to 70 short term training programmes in Continuing Education every year in various disciplines of management, engineering, science and technology in which the professionals are trained from all parts of the country as well as from the neighbour countries.

SPECIAL NOTE

The maximum number of participants can be accommodated is limited to about 20. The decision to run the course depends on the response and number of candidates. It is therefore advised that the candidates should proceed to join the course only on receipt of confirmation of admission.

ABOUT IIT ROORKEE

Indian Institute of Technology - Roorkee is among the foremost of institutes of national importance in higher technological education and in engineering, basic and applied research. Since its establishment, the Institute has played a vital role in providing the technical manpower and know-how to the country and in pursuit of

NOMINATION FORM

CONTINUING EDUCATION CENTRE
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE

Short Term Course
on

How to promote innovation and IP in HEIs
(February 03 - 07, 2014)

Name & Address of the Candidate

Tel. (With STD code)

(Off.) (Res.)

Mobile

FAX

e-mail

Address of Sponsoring Authority

Tel. (With STD code) (Off.)

FAX

e-mail

1. Medical fitness certificate of the candidate is enclosed.

Signature of Candidate

Signature of Head of the Institution
with official stamp

Date

Note : Please enclose your brief C.V. without any supporting documents.



CORRESPONDENCE :

The nomination form, duly forwarded by Head of the Institution, should be sent to the following address preferably by December 24, 2013

HEAD

Continuing Education Centre
Indian Institute of Technology
Roorkee

Roorkee - 247 667
Tel. 01332 - 284327, 285227
Fax : 01332 - 285545, 273560

OR

MHRD- IPR Chair Professor

Department of Management Studies
Indian Institute of Technology
Roorkee

Roorkee - 247 667
Phone : 01332 - 285118,
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e-mail to : iprchairiitr@gmail.com,
ip-chair@iitr.ernet.in



research. The Institute ranks amongst the best technological institutions in the world and has contributed to all sectors of technological development. It has also been considered a trend-setter in the area of education and research in the field of science, technology, and engineering. On September 21, 2001, an Ordinance issued by the Government of India declared it as the nation's seventh Indian Institute of Technology.

ABOUT ROORKEE

Roorkee is a small town located in the foothills of Himalayas in the beautiful state of Uttarakhand. Part of district Haridwar, Roorkee is the gateway to this pilgrim centre as well as Rishikesh, Badrinath and Kedarnath, and tourist attractions of Dehradun and Mussoorie. The town is situated on NH-58 (Delhi-Haridwar) as well as on NH-73 (Haridwar-Panchkula). It is at a easy drivable distance of 175 kms from Delhi.

It is also the home of various government research institutes as Central Building Research Institute (CBRI), Linggellon Research Institute (IRI) and the National Institute Of Hydrology (NIH). It also has an army base of Bengal Engineering Group & Centre (BEG&C)

COURSE COORDINATORS

Dr. P.K. Ghosh

MHRD-IPR Chair Professor
Department of Management Studies
Indian Institute of Technology Roorkee

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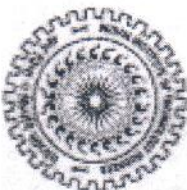
ANNOUNCEMENT

Short Term Course

on

How to promote
Innovation and IP in HEIs

(February 03 - 07, 2014)



Organized by

MHRD-IPR Chair, IIT Roorkee

Department of Management Studies

at

Continuing Education Centre
Indian Institute of Technology Roorkee
Roorkee - 247 667, Uttarakhand



A Report

Training of Trainers (ToT) Programme on "How to Promote Innovation and IP in HEIs" During Feb. 03 – 07, 2014

Training of Trainers (ToT) Programme

A five day short term Teachers' training course program (ToT) on "How to promote Innovation and IP in HEIs" was held from Feb 3-Feb7, 2014.

Objectives

- Creation of an environment that encourages and expedites the dissemination of discoveries, creations and new knowledge generated by researchers for the greatest public benefit
- To develop awareness of the IP systems in the HEIs of the country.
- To develop a system which ensure that both intellectual property and other products of research are made available to the public through an efficient and timely process of technology transfer?
- To understand the relationship between culture and innovative behavior.

Faculties from government and private universities attended the series of lectures by the expert faculties on the related theme.

Key Outcome

Awareness about importance of IP (Patents & Copyrights), innovation and commercial aspects of research is generated in the minds of faculties to create an environment of structured innovation in their respective educational institutes. An attempt to create a family of faculties representing various universities is made for the purpose of collaborative learning and sharing of knowledge on innovation. Recurring ToT programs will be conducted with these family institutions to promote and implement Innovation and IP in HEIs.



List of the participants

Name & Designation	Name & Designation
Mr. Rajesh Kohli Addl. General Manager Head IPR Cell, BHEL Haridwar Haridwar - 249 403, Uttarakhand	Dr. Prashast Kaushik Asst. Professor Institute of Management & Technology, Kashipur
Mr. Jatinder Mohan Dy. Manager Bharat Heavy Electricals Limited,, Haridwar New Engineering Building Steam Turbine Engg. HEEP, BHEL, Haridwar	Dr. Manish Kumar Agarwal Asst. Professor Institute of Management & Technology, Kashipur
Mr. Anil Shukla Secretary General The Sugar Technologists Association of India New Delhi	Dr Amit Kr Pandey Asst. Professor Galgotia Institute of Tech & Management
Dr. Subhas Chandra Bose Assistant Professor School of Behavioral Sciences & Business Studies Thapar University, Patiala	Mr. Pratap Singh Asst. Professor Galgotia Institute of Tech & Management
Dr. Vishal H. Shah Assistant Professor Birla Institute of Technology Mesra	Mr. Amit Khatter Asst. Secretary The Sugar Technologists Association of India New Delhi
Ms. Pooja Bhatia Consultant - Licensing Foundation for Innovation & Technology Transfer, IIT Delhi	Mr. Vimal Kr Singh Manager P&ER Mahindra & Mahindra Sidcul- Haridwar
Ms. Abha Maithil DST (TIFAC) Trainee Foundation for Innovation & Technology Transfer, IIT Delhi	Ms. Raushan Zafar Lecturer Madan Mohan Malviya, Gorakhpur
Ms. Priya Grover Assistant Professor University of Petroleum & Energy Studies Dehradun	Mr. Piyush Tiwari Asst. Professor Institute of Engineering & Technology SITAPUR (UP)
Ms. Swati Gupta Asstt. Professor University of Petroleum & Energy Studies Dehradun	Ms Marlani Shah Professor IMT Ghaziabad



About Workshop

The MHRD Chair on Intellectual Property Rights, DOMS, IIT Roorkee is pleased to announce a two day National Workshop on "Integration of Structured Innovation in Business Models". MHRD-IPR-Chair IIT Roorkee, dedicated to promote teaching and research in Intellectual Property Rights Studies, has conducted various programs and this Workshop is the one of the initiatives in the series of events.

Introduction

In recent years, the term business model has been used in the literature in various contexts and with different meanings. A business model is an organization's blueprint for creating, delivering, and capturing value and for generating the revenue needed to cover costs, reward stakeholders, and reinvest funds in order to remain competitive. All organizations, both for-profit and nonprofit, have a business model, whether or not that business model is explicit.

A firm's business model serves two interlinked purposes: to provide some stability for the development of a company's activities and, at the same time, to be flexible enough to allow for change. Managers might fail to recognize, explore, seize and exploit valuable new technological and/or market opportunities in time, since this may require commercial approaches that are not consistent with the present business model.

Structured innovation is the system of innovation which leads to desired outputs. It is a process of developing solution or innovation based upon specific problem or need. Innovation which can be made to happen with a well defined outcome can be put under the vicinity of Structured Innovation. It can be either of three-

Product innovation which is associated with the development of new products and the rise of new industry sectors. It characterizes the early stages of an industry when there are only few or one company exists in the market.

Process innovation associated with the development of more advanced methods of production. It becomes more important because as volume is rising and industry searches for economies of scale.

Organizational innovation deals with the innovation of more efficient cost arrangement by re-organizing the entire supply chain though just-on-time delivery systems, co-operation networks, flexibility, and optimization of producer-supplier relations etc.

The process of inclusion of structured innovation in business model starts with documenting current Business Model of the organization which involves a detailed analysis and documentation of the existing Business model. Such analysis is required to gain an in-depth knowledge of the current situation and to understand how Structured Innovation can be integrated in current Business Model.

Assessing the impact of technology innovation on the current Business Model is a crucial aspect of business modeling. It deals with the identification of possibilities for evolution or extension of the current model.

An identification of the benefits and impacts that a given technological solution or innovation brings to key elements of the BM. Such analysis is important so that

changes can be better planned to fully exploit the capabilities of the proposed technology innovation.

Now it is the time to experiment with Business Models, having a new dimension of Structured Innovation and explore their implications and proceed cautiously towards the design of the future models.

Date & Venue

The workshop will be organized at Department of Management Studies IIT Roorkee on October 25-26, 2013.

Why should attend this workshop?

If you are an academican associated with research work in business models innovations or your area of interest lies in the field of Structured Innovation you can share your research work with other similar people, further you can be benefitted by the views of eminent speaker from same filed.

If you're a Govt. official, this workshop will nurture a new actionable point of view.

If you're a senior executive, this workshop will help you develop new ideas for how your division or department can contribute to your organization's long term growth and profitability.

Participants

This workshop will be open to all have participants from premier educational Institutes, Universities, Government agencies involved in Structured innovation and Business Models. Further industrial participation will be welcomed.

Workshop Schedule

Day one

Session 1: This session explain what a business model is and its key elements. What structured innovations are and how it can be a part of a business model.

Session 2: Case study session which links the academic part of a business model with practical aspect

Day Two

Session 1: Business model development session; where participants learn how to develop a business model.

Session 2: Participants will provide their valuable experiences about how they integrate Structured Innovation with Business Model to make their business/organization more successful.

Schedule for the workshop is subject to change.

About IIT Roorkee

Indian Institute of Technology is located in Roorkee, which is a small town in the foothills of Himalayas, in north India. It is one of the institutes of excellence which is

continuously working for providing higher technological education to the young brains. IIT Roorkee offers Bachelor's Degree courses in various disciplines of Engineering and Architecture. The Institute has facility for doctorate work in all Departments and Research Centres.

Organizing Committee Members

Chairman:

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MHRD-IPR Chair Professor
Indian Institute of Technology Roorkee
Roorkee - 247 667

Phone : (01332) - 285699, 285118 (O)

FAX : 285082, 271654 (R)

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MHRD-IPR Chair Executive Member
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Roorkee-247 667

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Dr. Rajat Agrawal

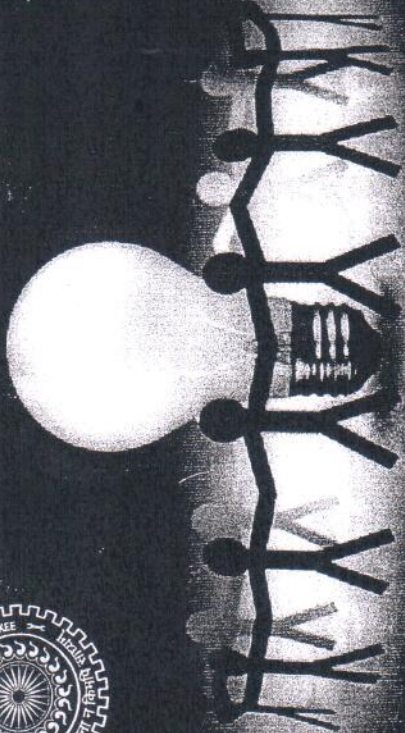
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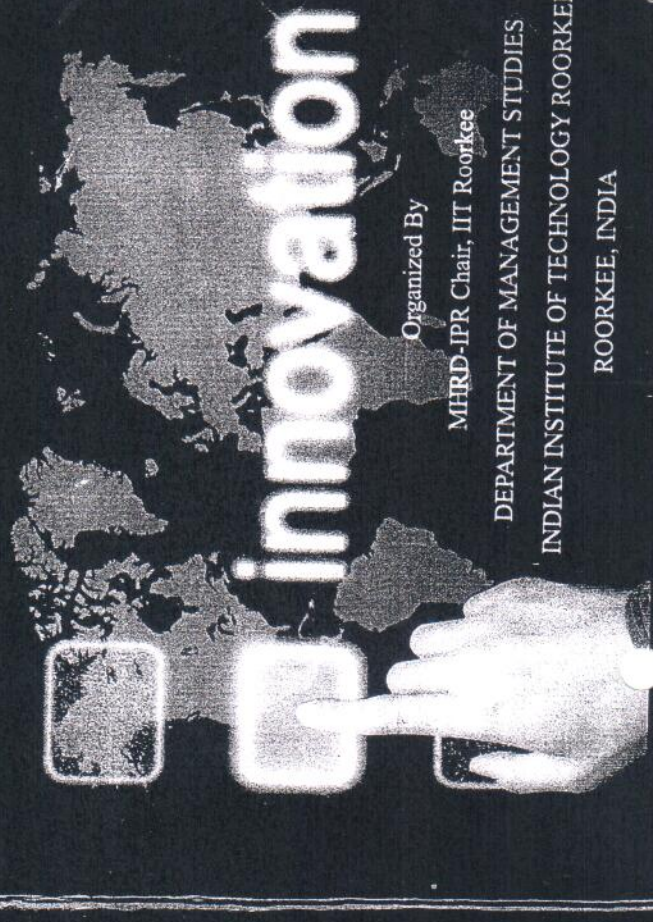
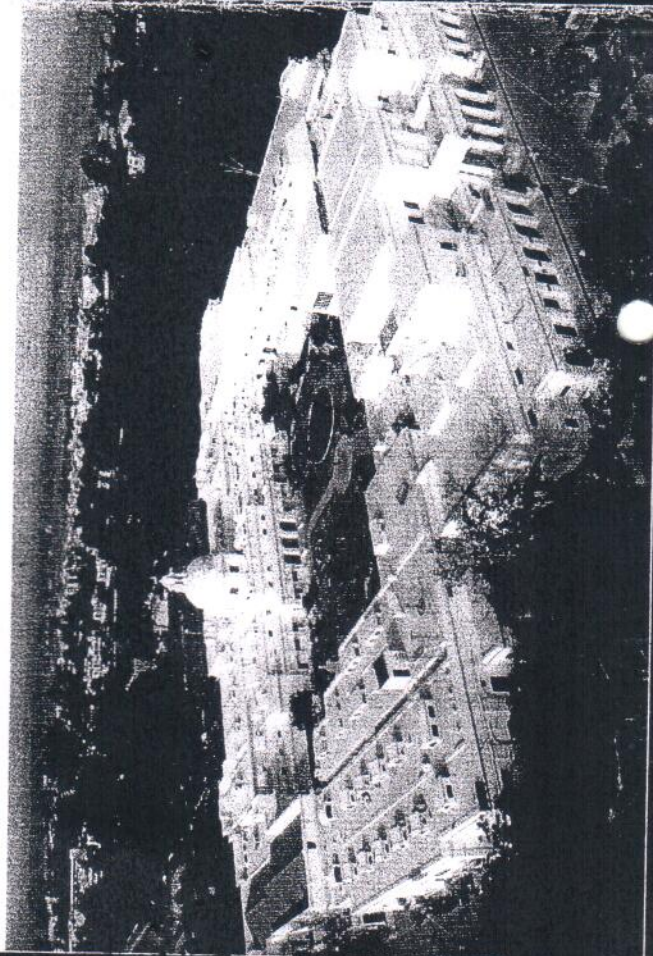
e-mail : rajatfdm@iitr.ernet.in



National Workshop on



INTEGRATION OF STRUCTURED
INNOVATION IN BUSINESS MODELS
(October 25 - 26, 2013)



Organized By

MHRD-IPR Chair, IIT Roorkee

DEPARTMENT OF MANAGEMENT STUDIES

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE, INDIA

A Report

National Workshop on

“Integration of Structured Innovation in Business Models”

during October 25-26, 2013

MHRD IPR Chair IIT Roorkee had organized a 2 day workshop on “Integration of Structured Innovation in Business Models” from 25-26 October 2013.

The main objectives of conducting this workshop were:

1. To understand the concept of Structured innovation
2. To explore innovation in business models
3. To develop creative thinking for innovation

Lead Speaker

Professor Vidyanand Jha , Professor IIM Calcutta was invited as the lead speaker in this workshop . Prof. Jha has an extensive experience in imparting training programs, workshops, MDP programs on Innovation, entereprenureship and creative thinking at various leading B-schools. As a seasoned professional, he handled the Workshop with grace and vigor. He introduced the concept of innovation in the light of “spirit of time” and gradually progresses towards its classifications.

Participants interaction at the National Workshop

Workshop Execution

Prof P.K.Ghosh, MHRD-IPR Roorkee Chair Professor addressing the audience at National Workshop

In introduction session Prof. P.K.Ghosh introduced and explained the concept of Structured Innovation. Innovation is not invention, creation, discovery, or technology, he said. “Think of innovation as more than just a product or service,” Prof Ghosh said. “Think of it as a business model or management system. Think of it in the large. Don’t think of it as the right of only engineers or scientists. It could come from the sales, marketing, communications, or financial people.” The basic concept of Structure innovation is to promoting a system of innovation which leads to desired output and nurturing innovation directed to stake holding



of socio-economic and commercial interest. In his speech he also motivated the participants to be creative in their approach and think differently.

On the first day of the workshop, he emphasizes on curiosity development as it is the mother of all inventions and innovations. He introduced few creative thinking techniques like brainstorming and attribute listing to solve real business problems. Small puzzles and games were introduced to increase participant's divergent thinking ability.

Prof. Jha made the participant's familiarize with idea management techniques by giving them group exercises related to idea generation on topics like "how to get more industry collaborations with academia", "Enablers of innovation in B-schools" and "Innovations in sugar industry business".

On the Second day, all the participants presented their assignments and shared their idea generation process experiences. Top 3 innovative ideas along with the most "bizarre" idea were assessed in terms of their feasibility and applicability.

Outcome

1. Sensitizing the need of innovation among the industry practitioners.
2. Trigger creative thinking habit in a structured way.
3. Participants to implement their ideas in their respective domain areas and provide feedback on its various facets they encounter while implementation.

Participants

1. Noted Industry personnels like Addl. General Manager -BHEL, Secretary General Sugar Technologists Association of India, Licensing foundation for Innovation and Technology Transfer IIT Delhi etc.
2. Academicians from University of Petroleum & Energy Studies Dehradun, Thapar University ,Golgotia Institute of Tech and Management Institute, Institute of Engineering & Technology Sitapur and SelaQui Academy of Higher Education Dehradun.
3. Research Scholars from IIT Roorkee.





Indian Institute of Technology Roorkee

The Roorkee College was established in 1847 AD as the First Engineering College in the British Empire. The College was renamed as The Thomason College of Civil Engineering in 1854. Roorkee University becomes the first institution in the country to offer postgraduate programmes in engineering and technology in 1955. On September 21, 2001, the University was converted into Indian Institute of Technology by the Government of India and was recognized as an Institute of National importance. Since its establishment, the Institute has played a vital role in providing the technical manpower and know-how to the country. The Institute ranks amongst the best technological institutions in the world and has contributed to all sectors of technological development. It has also been considered a trend-setter in the area of education and research.

Organized By
MHRD-IPR Chair, IIT Roorkee

**DEPARTMENT OF
MANAGEMENT STUDIES
INDIAN INSTITUTE OF
TECHNOLOGY ROORKEE
ROORKEE, INDIA**

Places to visit around Roorkee

Place	Distance (approx)	Famous for
Haridwar Uttarakhand	32 km	Pilgrim Pilgrim, Temples, Rivers, Wildlife
Rishikesh Uttarakhand	50 km	Pilgrim, Rafting Rafting, Rivers, Hills, Pilgrim, Temples
Dehradun Uttarakhand	71 km	Hill Station Hill Stations, Trekking, Rivers, Gardens, Temples, Monastery
Corbett National Park Uttarakhand	160 km	Wildlife Wildlife, Fishing, Rafting, Rivers, Falls
Delhi Delhi	172 km	Historical, City Cosmopolitan, Archaeological Sites, Heritage, Forts, Gardens, Rivers, Temples, Shopping, Street Food, Museums, Pubs, Amusement Parks

Organizing Committee

- Prof. Pradipta Banerjee**
Director, IIT Roorkee **Patron**
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e-mail : rjafdm@iitr.ernet.in
ip-chair@iitr.ernet.in **Organizing Secretary & Contact Person**

Venue City

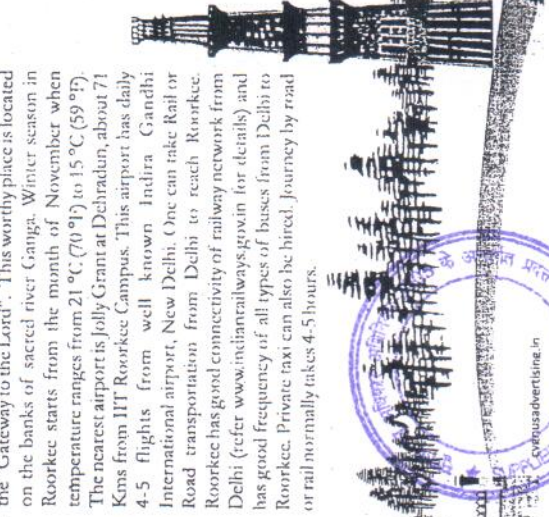
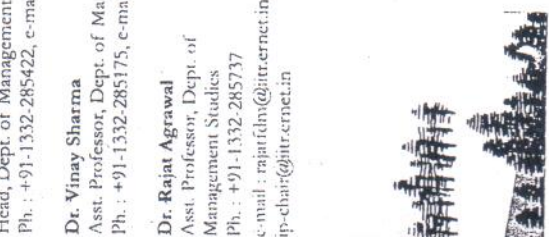
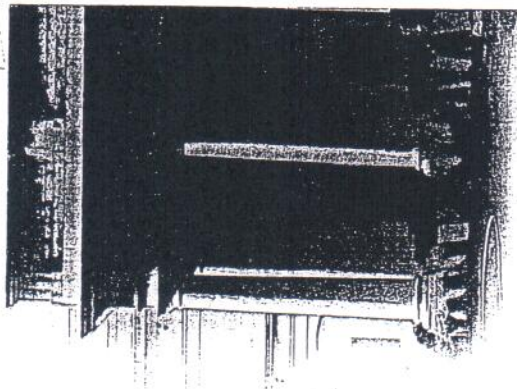
Roorkee is located at 29.87°N 77.88°E and 172 kilometres north of the Indian capital, New Delhi, close to the foothills of the Himalayas. It is situated near Haridwar which is a major attraction for the pilgrims around the world. The city of Haridwar is also known as the "Gateway to the Lord". This worthy place is located on the banks of sacred river Ganga. Winter season in Roorkee starts from the month of November when temperature ranges from 21 °C (70 °F) to 15 °C (59 °F). The nearest airport is Jolly Grant at Dehradun, about 71 Kms from IIT Roorkee Campus. This airport has daily 4-5 flights from well known Indira Gandhi International airport, New Delhi. One can take Rail or Road transportation from Delhi to reach Roorkee. Roorkee has good connectivity of railway network from Delhi (refer www.indianrailways.gov.in for details) and has good frequency of all types of buses from Delhi to Roorkee. Private taxi can also be hired. Journey by road or rail normally takes 4-5 hours.



First Call

**International Conclave On
INNOVATION AND
ENTREPRENEURSHIP
21ST CENTURY HIGH
EDUCATIONAL
INSTITUTES**

(November 09 - 10, 2013)



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Background

Hence a key focus area today is to redesign the role of HEIs to foster an international environment for entrepreneurship and risk taking that allows innovators to grow domestically and compete internationally. IPR Chair at IIT Roorkee organized a national conclave in the month of February 2013 where Prof. Sam Pitroda, Advisor to the Prime Minister of India on Public Information Infrastructure & Innovations, delivered the key note talk. In continuation of this conclave, now an International Conclave is to be held to further expand the scope of innovation and entrepreneurship in 21st century in HEIs.

Themes

- Various subthemes of the present International Conclave are:
- International Scenario of role of HEIs in innovation and entrepreneurship development
 - New business models for innovation and entrepreneurship
 - International scenario of Structured Innovation in HEIs
 - Challenges for innovation and entrepreneurship in 21st century
 - Marketing and promotion of innovation.
 - Collaboration and strategic alliance for the promotion of Structured Innovation

Innovation & Entrepreneurship

Format of Conclave

Conclave will be organized in three settings: invited talks, paper presentations and round table discussion. Participants can take benefit of paper presentation as well as listening eminent speakers.

- **Invited Talk:** Each session of the conclave will have invited talks from eminent national and international speakers.
- **Paper Presentation:** Researchers and academicians are encouraged to share their thoughts in the form of structured paper presentations. Few sessions will be dedicated to present quality and thought-provoking researches in the field.
- **Round Table Discussion:** Conclave will conclude with a round table discussion, deciding future course of action.

Conclave will also provide opportunity for networking with world leaders in the field of innovation and entrepreneurship.

Who should attend?

The conclave is for national and international academicians, industry personnel and executives, policy makers, scholars, research & development community who have active involvement in innovation propulsion and IP creation.



Date and Venue

The conclave will take place on November 9-10, 2013 at Department of Management Studies, Indian Institute of Technology Roorkee, Roorkee, India.

Important Dates

Interested candidates may attend conclave with or without presenting a paper. In case you want to present a paper, last date of submission of full papers is **July 31, 2013**. Acceptance will be intimated to you latest by **August 16, 2013**. Last date of registration for all the participants (with or without paper) will be **September 30, 2013**.

Registration Fee

- Delegates can register under following categories:
- Participants from outside India: US \$ 300
 - Industry delegates/ IP Agencies: Rs. 15000
 - Academicians from India: Rs. 5000
 - Students including research scholars from India: Rs. 1000

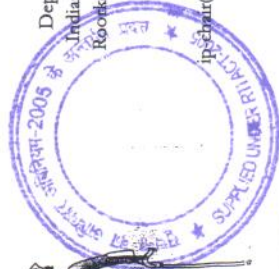
Registration Fee includes lodging, boarding during Conclave period (evening of November 8, 2013 to dinner of November 10, 2013), registration kit and study material circulated during conclave.

For details keep visiting www.iitr.ac.in.

All correspondence should be addressed to-

Organizing Secretary
International Conclave 2013
C/O MHRD-IPR Chair
Department of Management Studies
Indian Institute of Technology Roorkee
Roorkee (Uttarakhand), Pin-247667, India
Phone: +91-1332-285118
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e-mail: iprchair@iitr.ernet.in, iprchairiitr@gmail.com
Website: www.iitr.ac.in



A Report

International Conclave on

“Innovation and Entrepreneurship in 21st Century Higher Educational Institutes”

During November 09-10, 2013

A two day International Conclave on Innovation and Entrepreneurship in 21st Century Higher Educational Institutes held on 9-10 November, 2013 organized by MHRD-IPR Chair at Department of Management Studies, Indian Institute of Technology, Roorkee (U.K.). The topic and format of the Conclave was aligned with the vision of MHRD-IPR Chair to create IP capacity in IP practice, education, training and research. Organising events like this Conclave and building upon ensuing collaborations and synergies are important elements of our mission. The programme was designed to bring together leading practitioners, academics, business leaders and scientists from different countries across all parts of the world.

The Conclave brought with it a rich level of research and analysis from some of the world’s leading thinkers and practitioners on building a thriving ecosystem for innovation and entrepreneurship. It focused on how creativity, technology and innovation can promote positive changes in 21st century higher educational Institutes.

Objective of the Conclave

- Stimulating innovative and growth-oriented entrepreneurship.
- Collaboration and strategic alliance for the promotion of innovative entrepreneurship
- Analyzing the role of HEIs in Structured Innovation and Entrepreneurship
- Address key factors in regional economic development, entrepreneurial vitality and innovation processes
- Raise the level of awareness about innovation, entrepreneurship and competitive advantage
- Understand cultural and national barriers of entrepreneurship in the global economy
- Promote best practices in innovation research and business development in HEIs

The Conclave provided a broad platform to bring together scholars worldwide to present their researches and to stimulate discussions on critical issues of organizing research and development for innovation and entrepreneurship.



Conclave Execution

The conclave was embraced by eminent invited speakers from India and abroad. There were good gathering of participants from industries as well as from leading technical institutions and B-schools who presented their ideas, views and research papers on the theme of the conclave.

Sessions of lead speakers

Prof. John Hepburn Vice –President Research and International, University of British Columbia
Title of Talk: Knowledge mobilization at a major University: from leading edge research to societal benefits

The talk was focused on the broader view of knowledge mobilization and entrepreneurship promotion through a discussion of University of British Columbia’s Innovation Strategy, which has a number of components in addition to research related IP commercialization. He also discussed about new strategy at UBC on the aspects like- Entrepreneurship education, support, and facilitation through a new progame at UBC and an investment fund; Faculty consulting and project management; Knowledge mobilization and IP commercialization; Strategic partnerships etc.

Prof. Ashok Misra, Chariman, Intellectual Ventures India
Title of Talk: Fostering creativity and inventions in Science and Technology

The session was focused on how Institutions of Higher Learning through their teaching and research programmes must encourage creativity, innovation and development of intellectual property. He further elaborated that a good invention is a product of exercising the imagination to create something novel that is intellectual in origin, is beyond the obvious, has inevitable context and can be adequately protected and realized in practice

Dr. Philip Exance, Pro-Vice Chancellor, business partnerships and knowledge transfer, Aston University, UK

Title of Talk: Increasing the value of Universities to Businesses

The talk highlighted some of the approaches the UK are using to increase the engagement of businesses with the Universities. Dr. Exance told that Universities can work with businesses and helping develop policies to increase the growth of smaller and medium sized businesses. The employability of Aston students is particularly high and the talk discuss how this has been achieved with newer approaches to improve the employability skills of graduates.

Mr. Sushanto Mitra, Founder and CEO, Lead Angels
Title of Talk: Innovation and Entrepreneurship in 21st Century Higher Educational Institutes

Mr. Mitra said that in 21st Century intellectual capital is a major if not the most important factor for entrepreneurial activity. As its importance grows, institutions of higher education will now be increasingly rated on how well they promote the development and growth of innovation and entrepreneurship. Given this, most higher education institutions will need to redefine their goals and



jectives to the new realities and prioritise programs aimed at promoting innovation and entrepreneurship among its students and faculty over many other activities.

Dr. Larry Kostwick, Professor, Department of Mechanical Engineering, University of Alberta

Dr. Kostwick emphasized on the strong relationship which needs to build up between university and academia for better economic development. He suggested that government to open up few funds grant programs like collaboration of research and development grants: idea to innovation grants; industrial internships etc for academia but for the release of these grants a strong industrial support to justify the project requirement and feasibility is highly sought after.

Prof. Sushanta K.Mitra, Asst. Vice-President (Research) and Professor, University of Alberta.

Title of Talk: Research enterprise of the 21st century: international collaboration and partnership

Prof. Mitra in his talk said that today's research problems are very complex and multi-dimensional, which need team building exercise, leverage international expertise and conduct research in satellite laboratories across continents. He provided case studies of how international collaborations can provide game changing technology solutions which are field deployable and relevant under limited resource setting environment. The case studies were based on successful international collaborations between UK-India, Canada-India, Canada-Brazil.

Dr. Karuna Jain, Director, NITIE (National Institute of Industrial Engineering)

Dr. Jain in her presentation focused on competitive benchmarking of the technology transfer processes followed in Indian Academic and Research Institutes. Competitive Benchmarking ranks the technology transfer processes followed by different ARIs across multiple output indicators. In conclusion, she discussed the triple helix structure that connects government, university and industry asa visualization of the benchmarking results.

Outcome

Intellectual capacity building through HEIs is possible through quality research which can add value to the society either in the form of economic or societal benefit. Indian HEIs should drive their attention towards Fundamental and Transformational researches through an establishment of a symbiotic relation between academia and business. Some of the internal developments that Indian HEIs can incorporate in their structure to promote innovation are as follows.

HEIs should incorporate efficient project management techniques to narrow down the gap of "Valley of Death".

There has to be a well directed mentorship programs in HEIs for faculties, students and alumni to build the acumen for entrepreneurship among them. Successful entrepreneurs, venture capitalists, angel investors can be roped in to deliver workshops, lectures as part of mentorship programs



presence of sound IP policies, faculty and student entrepreneurship policies and frameworks are the drivers to promote innovation in HEIs.

A change in the university course curriculum is required. Mandatory course credit points should be included in the Technical programs curriculum for long period internship programs.

List of participants

- Prof. John Hepburn, Vice –President Research and International, University of British Columbia, Canada.
- Prof. Philip Extance, Pro-Vice-Chancellor - Business Partnerships & Knowledge, Aston University, Birmingham, U.K.
- Prof. Ashok Mishra, Chairman, Intellectual Ventures India.
- Prof. Sushanta Mitra, Asst. Vice-President (Research) and Professor, University of Alberta, Canada.
- Prof. Karuna Jain, Director NITIE, Mumbai.
- Mr. Sushanto Mitra, Founder of Lead Angels , Hyderabad.
- Dr. Larry Kostwick, Professor, Department of Mechanical Engineering, University of Alberta.
- Mr. Jagannath Kallakurchi , Choice Solutions Ltd
- Dr. Imon Ghosh , Academy of HRD
- Dr. Nithyananda KV , IIM Tiruchirappalli
- Prof. Faisal Beg, The University of British Columbia
- Dr. M. K. Sanyal , Bengal Engineering & Science University
- Ms. Garima Saxena , BHU
- Mr. Tarun Khurana , Khurana & Khurana Advocates & IP Attorneys
- Dr.Santosh, K. Prusty , Indian Institute of Management Shillong
- Ms. Gouri Gargate , Indian Institute of Technology, Mumbai
- Dr Anuradha Shukla ,CSIR
- Mr. Pradip Banerjee , Entrepreneurship Cell , IIT Madras
- Prof. J.B.Dhaiya, Guru Jambheshwar University of Science & Tech
- Mr. Neeraj Sharma , SelaQUi Academy of Higher Education, Dehradun



Consent for attending the two days workshop "Innovation to Entrepreneurial Eco-System" (July 19-20, 2014)

P.K. Ghosh <iprchairiitr@gmail.com>
To: Ratnesh Madaan <ratneshmadaan@gmail.com>

Fri, Jul 18, 2014 at 4:34 PM

Dear student,

This is to acknowledge that your candidature for workshop on "Innovation to Entrepreneurial Eco-System" (19-20 July, 2014) has been accepted. The workshop will begin at 3 PM, you are requested to report at 2:30 PM on 19th July in the Department of Management Studies IIT Roorkee.

MHRD-IPR Chair Office
IIT Roorkee

[Quoted text hidden]

—
Dr. P.K. Ghosh, FIE, FIW, AvH Fellow (Germany)
Professor & Dean (Finance & Planning)
Indian Institute of Technology Roorkee
Roorkee - 247667, India

MHRD-IPR Chair Professor
IIT Roorkee

Professor (Immediate past Head)
Department of Metallurgical & Materials Engineering
IIT Roorkee

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WORKSHOP

On

INNOVATION TO ENTREPRENEURIAL ECO-SYSTEM

19-20 July 2014

About the Workshop

A two day Workshop on Innovation to Entrepreneurial Eco-system held on 19-20 July, 2014 organized by MHRD-IPR Chair at Department of Management Studies, Indian Institute of Technology, Roorkee (U.K.). The workshop focused on importance of T2M3 (Teams, Technology, Markets Money and Mentors) and funding avenues both for entrepreneurs as well as the incubators in higher educational institutes. The goal of the event is to inspire students' interests in innovation, foster the entrepreneurial campus culture, and promote the I&E ecosystem at IIT Roorkee.

Objective

- Foster the entrepreneurial ecosystem at institute level.
- Break existing mindsets about Innovation and Entrepreneurship (I & E)
- To provide an understanding of the challenges in financing faced by Early Stage Ventures
- Developing entrepreneurial vision and mission among the students
- To gain an understanding of the Business Planning process

Inaugural Session

The workshop began with a welcome speech by Dr. Rajat Agarwal, Assistant professor, Department of Management Studies IIT Roorkee, followed by an inaugural speech by Prof. P.K.Ghosh, MHRD-IPR Chair Professor IIT Roorkee describing the role of MHRD-IPR Chair in the entrepreneurial and innovation related activities of the institute and elaborating the objectives of workshop.



Invited Speakers

1. Prof. C.Amarnath, Former Head of Mechanical Engineering and PI, Society of Innovation and Entrepreneurship (SINE), IIT Bombay
2. Mr. Sushanto Mitra, Founder & CEO of Lead Angels and Former CEO of SINE, IIT Bombay

Participants

More than 80 students of various backgrounds, research scholars and faculty members from various department of IIT Roorkee had attended the workshop.

Outcome

This event invited students and faculty with entrepreneurial mindset to talk about their vision and understanding of innovation, creativity, and entrepreneurship. Making events like this available to students will gradually generate a momentum that pushes the campus culture more toward innovation and entrepreneurship. Moreover entrepreneurship is the essence of economic development, but it cannot exist without technological innovation. Science Parks, Innovation Centres and Technology Business Incubators are similar initiatives in creating an environment for innovation and entrepreneurship. These initiatives foster interactions between academia and industry for sharing ideas and experiences and for developing new technology in order to transfer it to the end-users through SMEs. Merely creating such facilities, planning programmes and delivering training is not sufficient; equally important is the vision and strategy that educate students, young entrepreneurs and empower them for change. Clearly, there is a need for faculty and educators to generate entrepreneurs and start-ups for the twenty-first century that are agile and professional.

Recommendations for policy maker

- Governments should facilitate the development of national business angel networks and their links with research institutions and universities.
- Regulations should encourage also the involvement of venture capital companies in early-stage financing, including through hybrid public-private funds.
- Business incubators and science parks, which are pivotal at the early stage of entrepreneurship development, should be established in HEIs.



CONTINUING EDUCATION CENTRE
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE

Short Term Course

On

Harnessing the Researcher to
Promote Sustainable Innovation

(September 02 – 06, 2014)

Name & Address of the Candidate

Tel. (With STD code) (Off.) (Res.)

Mobile

FAX

e-mail

Address of the Institution

Tel. (With STD code) (Off.)

FAX

E-mail

Signature
Head of the Institution
With Seal

Signature of
Candidate

Date:



4. How to integrate creative output with strategic objectives of an organization.

Course Contents

- Enablers and barriers of innovation and creativity among the researchers in today's HEI.
- Enabling creativity – tools and techniques.
- Individual and collaborative dimensions of innovation.
- Managing creativity and innovation.
- Role of motivation as a key to sustainable creative pool.

Who May Participate?

Course is open to faculty members having minimum of 3 years experience from any AICTE recognized degree level engineering/management colleges, technical universities or deemed universities and involve in innovation & IPR related activities.

There is no course fee for participants. Boarding and lodging in campus guest house of the Centre for Continuing Education will be arranged for the participants along with the course material.

Continuing Education Centre

It is a pioneering centre in the area of continuing education in the country. It has played a very important role in the promotion of knowledge up-gradation activity in our country by organizing refresher/specialist courses for in-service technical and professional person from various Govt./Semi Govt. organizations, public and private undertakings, research institutions and industries. The Centre conducts about 60 to 70 short term training programmes in Continuing Education every year in various disciplines of management, engineering, science and technology in which the professionals are trained from all parts of the country as well as from the neighbour countries.

Correspondence

The nomination form, duly forwarded by the

Introduction

Innovation is a complicated and continuing process that demands individual and organizational creativity. To find refreshing authentic originals we need to rediscover purpose, meaning and identity. As individuals, ability to communicate 'the potentially creative' fuels the organization's innovative capacity.

As distinctions between fundamental and problem-oriented research have blurred, and demands to make research more responsive to the needs of business and civil society have mounted, there is a greater need for increased and more efficient linkages between science and innovation. Such linkages serve to facilitate commercialisation of scholar's research results and to ensure that research performed in HEI is attuned to social and economic problems. Science-innovation linkages can take many forms, from contract and collaborative research and personnel transfers to technology licenses and creation of spin-off firms. In lieu of this phenomenon exploiting the researcher ability to promote sustainable innovation is important in the contemporary situation.

Knowledge creation and diffusion are important drivers of innovation, sustainable economic growth and social well-being. The importance of ensuring the long term sustainability of innovation, the researchers need to be involved more effectively and effectively.

In this context, a short term course is planned where a comprehensive overview will be provided towards fostering innovation and creativity in an organization

Objectives of the Course

1. Promoting and encouraging creativity at individual and group level for internal stakeholders of an organization.
2. Application of lateral thinking in innovative service/product design, creation and marketing.
3. Upstanding various enablers for the promotion of innovation and creativity in an organization.

head of the institute, should be sent to the following address or preferably by 10th August 2014

MHRD-IPR Chair Office

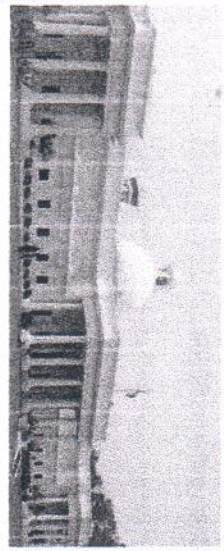
Department of Management Studies
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Roorkee - 247 667
Ph. : (01332) - 285699, 285118 (O), 285082 (R)
FAX: (01332) - 284556, 273560
e-mail : ipchairitr@gmail.com

Special Note

The maximum number of participants can be accommodated is limited to about 20. The decision to run the course depends on the response and number of candidates. It is therefore advised that the candidates should proceed to join the course only on receipt of confirmation of admission.

About IIT Roorkee

Indian Institute of Technology - Roorkee is among the foremost of institutes of national importance in higher technological education and in engineering, basic and applied research. Since its establishment, the Institute has played a

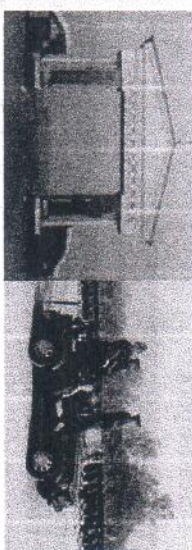


vital role in providing the technical manpower and know-how to the country and in pursuit of research. The Institute ranks amongst the best technological institutions in the world and has contributed to all sectors of technological development. It has also been considered a trend-setter in the area of education and research in the field of science, technology, and engineering. On September 21, 2001, an Ordinance issued by the Government of India

declared it as the nation's seventh Indian Institute of Technology.

About Roorkee

Roorkee is a small town located in the foothills of Himalayas in the beautiful state of Uttarakhand. Part of district Haridwar, Roorkee is the gateway to this pilgrim centre as well as Rishikesh, Badinath and Kedarnath, and tourist attractions of Dehradun and Mussoorie. The town is situated on NH-58 (Delhi-Haridwar) as well as on NH-73 (Haridwar-Panchkula). It is at a easy drivable distance of 175 kms from Delhi.



It is also the home of various government research institutes as Central Building Research Institute (CBRI), Irrigation Research Institute (IRI) and the National Institute Of Hydrology (NIH). It also has an army base of Bengal Engineering Group & Centre (BEG&C)

Course Coordinators

Dr. P.K. Ghosh

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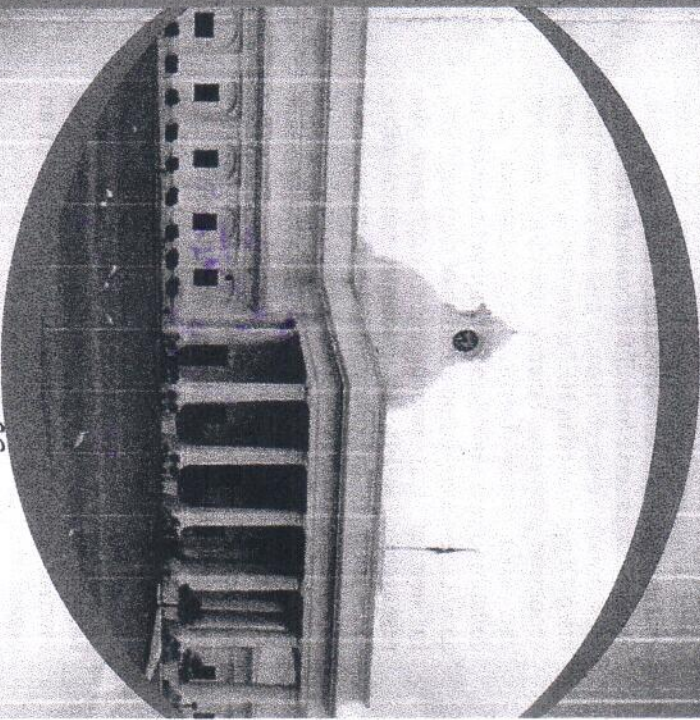
Announcement

Short Term Course

On

Harnessing the Researcher to Promote Sustainable Innovation

September 02 - 06, 2014



Organized by

MHRD-IPR Chair, IIT Roorkee

Department of Management Studies

at

Continuing Education Centre

Indian Institute of Technology Roorkee

Roorkee - 247 667, Uttarakhand

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A Report
 Training of Trainer's Programme
 on
***HARNESSING THE RESEARCHER TO PROMOTE
 SUSTAINABLE INNOVATION***

September 02 – 06, 2014

A five days training of trainers' programme on HARNESSING THE RESEARCHER TO PROMOTE SUSTAINABLE INNOVATION was organized by MHRD-IPR Chair, IIT Roorkee from September 02 – 06, 2014 at Continuing Education Centre, IIT Roorkee.

Objectives of Programme

1. Creation of an environment that encourages and expedites the dissemination of discoveries, creations and new knowledge generated by researchers for the greatest public benefit
2. To develop awareness of the IP systems in the Country
3. To develop a system which ensure that both intellectual property and other products of research are made available to the public through an efficient and timely process of technology transfer.
4. To understand the relationship between culture and innovative behavior.

Introduction

At a time when knowledge and innovation are the most prized assets in the economy, it is not surprising to see university research centres play an increasingly prominent role in the spread of IP. In this context, national and regional universities are expected to play an active role as providers of knowledge and technologies in collaboration with public administration and business.

Various HEIs are struggling to be more innovative. But to be an innovative entity that continuously develops new products, concepts, solutions and processes requires more than competent people, good methodology and sufficient resources. Innovation does not simply occur or take place in a vacuum. Innovativeness is not some simple technique that can be introduced by management or bought from a supplier or consultant; it seems to have a lot to do with culture, values, incentives, knowledge, management philosophy, and even communication style. Therefore, innovation should not be considered detached from other activities. Every institute has a development history that can reveal both strengths and shortcomings concerning current innovation capability.



For this purpose, we need to work on the following aspects to promote innovation in HEIs:

- To achieve sufficient momentum and execution power in each stage of the development process, from idea generation to implementation.
- To attain management support and strategic foundation in the process.
- To create motivation and commitment to the process.
- To achieve collaboration between participants with different educational background and personal experiences.

Programme execution

The workshop started with an introductory note from Dr. K.L. Yadav professor department of physics, stating the need and importance of the programme. In continuation MHRD-IPR Chair Professor Dr. P.K.Ghosh introduced IPR Chair to the audience mentioning the working and objective of the chair.



Who Should Attend

This workshop is useful for research scholars & faculty members from any field of education from universities and Higher Educational Institutes across the country.

Registration

The participants have to send the filled in registration form to the organizing secretary. There will be no registration fees for the workshop.

As the Boarding and Lodging facility in the institute is limited it will be provided to first 25 participants only. Please register at the earliest to avail accommodation facility.

Continuing Education Centre

It is a pioneering centre in the area of continuing education in the country. It has played a very important role in the promotion of knowledge up-gradation activity in our country by organizing refresher/specialist courses for in-service technical and professional person from various Govt./Semi Govt. organizations, public and private undertakings, research institutions and industries. The Centre conducts about 60 to 70 short term training programmes in Continuing Education every year in various disciplines of management, engineering, science and technology in which the professionals are trained from all parts of the from the neighbour countries.

About IIT Roorkee

Indian Institute of Technology is located in Roorkee, which is a small town in the foothills of Himalayas, in north India. It is one of the institutes of excellence which is continuously working for providing higher technological education to the young brains. IIT Roorkee offers Bachelor's Degree courses in various disciplines of Engineering and Architecture the Institute has facility for doctoral work in all Departments and Research Centres.

Dr. P.K. Ghosh

MHRD-IPR Chair Professor

Indian Institute of Technology Roorkee
Phone: (01332) – 285118, 284556, 285082
FAX: (01332) – 285118, 273560
e-mail: iprchairitr@gmail.com,
ip-chair@iitr.ernet.in

Dr. Rajat Agrawal

Organizing Secretary

Asst. Professor
Dept. of Management Studies
IIT Roorkee
Ph. : +91-1332-285737
e-mail: rajatfdm@iitr.ernet.in

Workshop On

Considering industry stake-holding in Lab research

(October 11-12, 2014)



Organized

By

MHRD-IPR Chair, IIT Roorkee

DEPARTMENT OF MANAGEMENT STUDIES

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE, INDIA

(S)

About the Workshop

IHRD Chair on Intellectual Property Rights, DOMS, IIT Roorkee is pleased to announce a two day Workshop on "*Considering industry stake-holding in Lab research*" to trigger the mindsets of Ph.D scholars in adopting a structured innovation oriented research work where industry plays a crucial role right from the research problem formulation to the product commercialization.

Introduction

While research is a very important activity in any academic career, at the same time it contributes significantly in nation building. Unfortunately research particularly Doctoral Research is limited to paper publications without emphasizing commercial gains from it. Western world focuses on science behind a topic as well as practical relevance of the problem. Most of the doctoral research in Europe and America share a close industry linkage.

We need to create similar eco system for improving industry usefulness of our research. There are many partners to this eco system, viz. academic institution's management bodies, industries, faculties, research scholars, funding agencies etc. Lack of Industrial stake holding in Lab Researches in India make the research scholars unaware of his/her research innovative potential and commercialization prospects which tends to result in low tech transfer and very few spin out firms.

Selection of the appropriate area of research taking the present and future prospects, defining the appropriate scope of the research, application of suitable research approaches and design, non-availability of latest lab instruments, insufficient research funding etc. sometimes pose a challenge to young research scholars to divulge into innovative research. This workshop will try to figure out more relevant challenges face by a Lab researcher towards implementing structured innovation in his/her research area.

First stage of any research is the development of a research idea, research questions, and a basic conceptualization of the research project. A research should have more practical utility, which can understood as when theories/ concepts/ innovation can be directly applied to the problems practicing managers and other organizational practitioners faces in their organizations.

Scholars selecting research topics should nevertheless always consider if an idea is at least indirectly related to the business world. Thus, practitioners' inputs should be taken as suggestions for potential research topics. Scholars should collect information on practitioners' views of important research topics in the conceptual phase.

Research valorization can be reaped through University-industry research collaboration where research problems are to be defined from real life business problems, structured innovation or object oriented research can play an important role in this. But unfortunately in most of the academic institutions in India, least emphasis is been given to promote innovation in PhD researches.

In the above context this workshop will be an interactive experience for scholars to interact and share ideas with our expert panel members from different industrial sectors holding senior positions in R&D and business development.

The full day workshop will have sessions covering topics of interests to research scholars from all fields of study.

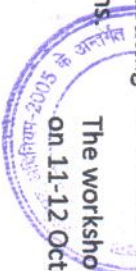
Objectives of Workshop

- To trigger entrepreneurial orientation among research scholars.
- To find out the degree of industry stake holding in contemporary academic lab researches.
- To find out the reasons for low or no involvement of industry stake holding in some lab researches, if any.
- To discuss on the ways of incorporating industrial stake-holding and the relevant benefits in contemporary Lab researches.
- Discussion on the avenues or channels for commercialization of research work.

Date & Venue

The workshop will be organized at Continuing Education Center IIT Roorkee on 11-12 October, 2014.

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REPORT OF WORKSHOP

On

CONSIDERING INDUSTRY STAKE-HOLDING IN LAB RESEARCH

11-12 October 2014

A two day Workshop on CONSIDERING INDUSTRY STAKE-HOLDING IN LAB RESEARCH was organized by MHRD-IPR Chair, IIT Roorkee from October 11 – 12, 2014 at Continuing Education Centre, IIT Roorkee.

Objectives of the Workshop

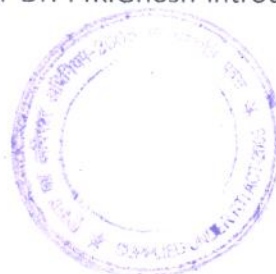
- To trigger entrepreneurial orientation among research scholars.
- To find out the degree of industry stake holding in contemporary academic lab researches.
- To find out the reasons for low or no involvement of industry stake holding in some lab researches, if any.
- To discuss on the ways of incorporating industrial stake-holding and the relevant benefits in contemporary Lab researches.
- Discussion on the avenues or channels for commercialization of research work.

Introduction

Research done at doctoral level should contribute in the advancement of nation. Rather in India it is confined to paper publication without obtaining its commercial use. When compared to developed countries where researchers have an active interaction with industries and research being directed according to the applicability in industry. Selection of the appropriate area of research taking the present and future prospects, defining the appropriate scope of the research, application of suitable research approaches and design, non-availability of latest lab instruments, insufficient research funding etc. sometimes pose a challenge to young research scholars to divulge into innovative research. This workshop will try to figure out more relevant challenges faced by a lab researcher towards implementing structured innovation in his/her research area.

Workshop execution

The workshop started with an introductory note from Dr. Rajat Agarwal stating the need and importance of the programme. In continuation MHRD-IPR Chair Professor Dr. P.K.Ghosh introduced IPR Chair to the audience mentioning the working and objective of the chair.



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Day: One

Session I

Speaker: Mr. B K Sharma, Addl. General Manager, Aerospace System & Equipment Research and Design Centre (ASERDC), Hindustan Aeronautics Limited, Lucknow

Topic: Industry and Academia Interface: *Bridging the Gap in Technology and Skill sets*

Session summary:

In the session Mr. B K Sharma gave a brief on HAL and Aerospace System & Equipment R & D Centre, Lko. He told the audience that HAL was declared "Navratna" company in 2007 and ranked 33rd among the top 100 Aerospace Companies with 20 Production & 10 R&D Centres. The company has a employee base of 32,100 employees with turnover of Rs.15, 180 Cr (~3 BUSD) in 2013 – 14 and exporting products to more than 20 Countries around the globe.

Session II:

Speaker: J.C.Jain, CMD, Texplas Group of Industries, President, PHD Chamber of Commerce and Industry, Uttarakhand

Topic: Institute Industry Interface

Day: Two

Session I

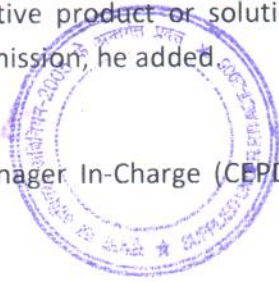
Speaker: Dr. P.K.Ghosh, MHRD-IPR Chair Professor, IIT Roorkee

Topic: INTRODUCING STRUCTURED INNOVATION IN HIGHER EDUCATIONAL INSTITUTES

Session summary

Speaking on the topic Prof. P.K.Ghosh begins his talk by explaining the role of HEI in the society. He said that HEIs primarily play important role in Academics and Research both contributing to Cultural, Scientific developments, Industrial growth, and Economic development of a country. Acknowledging the substantial national progress on professional education in last few decades, Prof Ghosh said that a huge resource of energetic and intelligent youngsters is the basic stake holder of this entire episode and pprimary activities of HEIs should be endorsed in cognizance of basic requirements of society. But inspite of best investment, effort and dedication the contribution of HEIs in development of tangible products from research is not appreciable.

Delivering tangible or non-tangible innovative product or solution requires organizational preparation with well structured policy for a successful mission, he added



Session II

Speaker: Mr. Subrata Biswas, General Manager In-Charge (CEPD & ARP) BHEL, Corporate Office, New Delhi



Session summary:

Mr. Biswas began his talk by introducing BHEL which is a 'Maharatna' Company and one of the largest engineering and Manufacturing Company in India serving the core sectors of the Economy. It is amongst world's rarest few who have the capability to manufacture the entire range/type of Power equipment.

Valedictory session

The workshop ends with certificate distribution to participants by Mr. Subrata Biswas, General Manager In-Charge (CEPD & ARP) BHEL, Corporate Office, New Delhi.

Outcome

This program helped researchers in identifying the importance, challenges and implications of industry stake holding in research work through expert lectures, opinions and suggestions of distinguished panel members. Participants come to know about the present technological needs of different industrial sectors. Research scholars had this opportunity to interact with invited Key speakers at senior level from different industrial circle and clarify any doubts and queries within the limits of workshop theme.

Invited Key speakers discussed various issues including:

- Research needs of a specific industry.
- Current status of academia interaction with your industry.
- How can industry help in identifying research problems in HEIs?
- How can industry extend their involvement in mentoring lab research?
- How can industry facilitate data generation and analysis?
- How can industry cooperate in experimentation?
- How can industry help in overall improving the quality and reproducibility of research from practical point of view?
- In how many different ways industry can adopt outcomes of lab research addressing appropriately the IPR issues?

Observations

- High participation from different HEIs across the nation
- Industry is interested in research cooperation with academics and they are definite plans to achieve this.
- Research scholars are not aware of industry needs
- Researchers are more focused on academic interest of their research work



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Recommendations for policy maker

- To develop a innovation policy by industrial ministries which can articulates the links between industries and HEIs
- To give structured innovation a permanent place in the educational curriculum in HEIs and supported by faculties of appropriate qualification
- Industry should be motivated and attracted towards HEIs for active participation in their research and academic activities
- To construct appropriate platform for industry interaction with specific subject experts of common interest



Appendix 'B'

Appendix 'B'

5

INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE

No. Estt.(A)/12522/E-4156

Dated : 09 May, 2012

OFFICE MEMORANDUM

Dr. P.K. Ghosh has been appointed on the position of Professorial Chair on Intellectual Property Education, Research and Public Outreach (IPERPO) in the Intellectual Property Cell, IITR with effect from in the forenoon of 27th April 2012 as per the terms and conditions laid down in his offer letter No. Estt.(A)/196/E-270(Professorial Chair) dated 26th April 2012. He will be paid an Honorarium of Rs. 30,000/- p.m. and Contingency Rs. 20,000/- p.m. in addition to his pay

Dr. P.K. Ghosh
Professor,
(Professorial Chair on IPERPO)
Intellectual Property Cell
Indian Institute of Technology Roorkee
Roorkee

DY. Registrar (Admin)

Copy to:

1. Professor & Head, M.M.E.D.
2. Dean Finance & Planning.



✓ P.F. of Dr. P.K. Ghosh

PFC (PUG)

प्रोफेसर एवं निदेशक/Prof. & Head
मामूलगत एवं संचालन अभियंता/In-charge
Metallurgical & Materials Engg. Deptt.
आ. प्रौ. सं. रूढ़ी/I.I.T. Roorkee

Handwritten initials and numbers: 4572



भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की-247 667, उत्तराखण्ड, भारत

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INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

ROORKEE-247 667, UTTARAKHAND, INDIA

प्रो० एस०सी० सक्सैना

निदेशक

Prof. S. C. SAXENA

FIE, FIETE, LMNIQR, LMBMESI, LMISCEE, LMISTE

Director

TEL : +911332-272742, 285500 (O), 272342, 285400 (R)

FAX : +911332-273560, 285815 (O), 285300 (R)

e-mail : director@iitr.ernet.in, saxenasuresh@yahoo.co.in

No.DFP/IPR/Prof.Chair/

Dated : 18.8.2008

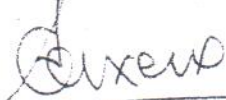
Mr. G.R. Ragavender
Deputy Secretary (BP&CR)
Govt. of India,
Ministry of Human Resource Development
Department of Higher Education
Book Promotion & Copyright Division
B-2/W-3, Curzon Road Barracks
K.G.Marg
New Delhi 110 001

Dear Mr. Ragavender,

This has reference to the decision of the Union Government to set up a MHRD Intellectual Property Rights (IPR) Chair at the Indian Institute of Technology Roorkee, vide letter D.O. No.F.17-23/2007-IC dated 14th July 2008 to deal with available and growing knowledge wealth in the country. The acceptance of the proposal has already been communicated to you vide our letter No.DIR/IITR/187 dated 22nd July 2008. The chair will immensely support the rapidly growing activities on IP education and management in this institute. We already have IPR Cell since 2005 and IPR policy of the Institute as approved by Board of Governors. We are working for Technopreneur development in the region with the support from DSIR and are taking steps to set-up technology incubation and commercialization facility. The IPR chair will help us a lot in synergizing these activities. A detailed proposal in this regard is enclosed herewith for your consideration so that the academic activities under the chair can be initiated during the current year.

With kind regards,

Yours sincerely,


(S.C. Saxena)



Encl: 2 copies of the proposal and Annual Report 2006-07.

cc: IPR Cell
(with 3 copies of proposal)

**PROPOSAL FOR INSTITUTION OF IPR CHAIR AT
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

SUBMITTED TO

**GOVERNMENT OF INDIA
MINISTRY OF HUMAN RESOURCES & DEVELOPMENT
DEPARTMENT OF SECONDARY & HIGHER EDUCATION**

BY



**INTELLECTUAL PROPERTY RIGHTS CELL
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**

AUGUST 2008



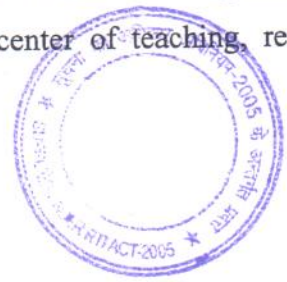
PROPOSAL FOR INSTITUTION OF IPR CHAIR AT IIT ROORKEE

1. BACK GROUND

The agreement of TRIPs as a part of WTO, which came into operation on 01st Jan. 1995, brought a new Intellectual Property Rights (IPR) regime necessitating most countries of the world to reform drastically their IPR laws and practices. It has been recognized internationally that IP system is a major pillar of development process of a country. It is regarded as one of the major infrastructures necessary for economic, social and cultural growth. The promotion of the protection of IP gives impetus to inventive and creative activity. Thus, protection of national interests warrants that the engineers, scientists and other research workers of our country must have fair knowledge of IPR law and practices to generate Intellectual Property out of their innovative research with the help of in house facilities to organize the outcome of research in the light of the technicalities of IPR.

In most of the educational and research institutions, the faculty members and research workers who generate scientific and technological knowledge are not aware of the basics of IPR and related issues. The researchers are not well informed about handling the technical and legal aspects of their work with respect to producing Intellectual Property, because of non-availability of any facility in the institute to apprise them in these areas of concern. The commonly available legal practitioners exclusively advise on and deal with the laws relating to IP rather than to look at it in an integrated manner with respect to the prospect and difficulties faced by the researchers. This warrants a special attention to introduce a formal educational course work and other measures on IPR in premier institutes of our country where a long heritage of professional education and research exists.

In its past tradition of 150 years of service to the nation, inherited from the Thomson College of Engineering and University of Roorkee, the Indian Institute Technology Roorkee has dedicated itself in providing quality technical manpower and know-how in the country. It has been a trendsetter in education and research in the fields of Science & Engineering with a mission of maintaining its prime position as the leading center of teaching, research and



extension in Engineering and Technology through total commitment to excellence in every endeavor. Apart from teaching, IIT Roorkee, a premier institute of engineering and technology, is engaged in considerable amount of research work in various fields of science and engineering with a track record of publishing 742 research papers in journals of international repute, originating primarily from consultancy and research projects worth Rs. 3015.77 lakhs per year (**Appendix – I, Annual Report of IIT Roorkee**). But, similar to that observed in other leading educational and research institutions of engineering and technology in India, significant commercial exploitation of these works through filing of Patents etc. has not taken place primarily due to lack of awareness amongst the students, research scholars and faculty members about the procedures and legal implications of creation of “Intellectual Property (IP)”.

From the year 2001, continuous efforts are on (**Appendix – II**) to run several programs in IIT Roorkee to build up awareness, to develop a culture of looking upon research as a means to generate IP and to promote education on IPR. IIT Roorkee has been running a Full Unit [Credit 4 (3-1-0)] *Institute Elective course entitled “INTRODUCTION TO IPRs”* from Spring Semester of the academic year 2005-2006 for the senior B.Tech., M.Tech. and Ph.D. students. A full unit [credit 4 (3-1-0)] minor elective course entitled “*INTELLECTUAL PROPERTY RIGHTS AND PRACTICES*” for PG students is running from January 2007. The institute is also considering to start a programme of 2 years Postgraduate Degree Course in “*IP MANAGEMENT*”. A proposal for grant-in-aid has been submitted to MHRD for “*Creation of Nodal Facility for Organizing Research Works to Generate Intellectual Property*” under the scheme for intellectual property education, research and public outreach.

The IIT Roorkee has introduced Intellectual Property Rights Policy from September 2005. The policy fulfills the commitment of the Institute to provide an environment wherein research, development and innovations including that of ideas, creative, and artistic works, and tangible results of research and development works can flourish, leading to development of intellectual property.



2. PROPOSAL

In view of the above potentialities and contribution of the institute, it is proposed to set up a “*Professorial Chair of IPR*” at Indian Institute of Technology Roorkee to generate capacity within the country to deal with available and growing knowledge wealth in the country. A duly filled application form is enclosed in this regard.

3. ENVISAGED RESPONSIBILITY

The primary responsibility of the incumbent of the IPR chair is envisaged to boost further the formal education system on IPR at IIT Roorkee and thus promoting the generation of the IP manpower to serve the nation. The charter of his/her activities may further include the following:

- (a) To ensure an effective dissemination of IP knowledge through a regularly updated curriculum in the light of the emerging scenarios.
- (b) Promoting IP culture amongst the students and researchers.
- (c) To facilitate organizing the ongoing research work to create intellectual property from the research assets and to explore new research horizons.
- (d) Providing guidance / counseling to potential researchers for their effective interaction with the IP agencies

4. FINANCIAL IMPLICATIONS

A suitable financial grant of Rs. 208.02 lakhs (Rupees Two hundred eight lakhs and two thousand only) for a period of five years with an yearly break-up as given in Annexure – I may please be provided to meet the expenditure towards establishing the “*Professorial IPR Chair*” at IIT Roorkee.



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APPLICATION

1. Particulars of the Institution:

- (i) *Name of the Institution* : Indian Institute of Technology Roorkee
- (ii) *Complete postal address* : IPR Cell, Sponsored Research and Industrial Consultancy Office, IIT Roorkee, Roorkee-247 667, (Uttarakhand)

2. Whether the institution is recognized by the University Grants Commission, if so, reference number:

Not Applicable

3. Whether affiliated to any recognized university or deemed to be university, if so, the name of the university or deemed to be university:

Not Applicable

4. Whether voluntary organization registered under Societies Registration Act, 1860 (Act XXI of 1860) and in existence at least for three years after registration:

Not Applicable

It is an Institute of national importance established under the **Institute of technology Act 1961** through the **Institute of Technology (Amendment) Act, 2002**, No. 16 of 2002 notified vide Gazette of India, Extraordinary, Part II, Section 1 no. 11, dated March 28, 2002, New Delhi.

5. Purpose of grant:

“Institution of IPR Chair at Indian Institute of Technology Roorkee”

6. Duration of the programme:

Of continuous nature



7. Detailed estimates of expenditure with break-up of the proposed programme/project for which grant is sought:

Provided in Annexure - I

8. Amount of grant required:

Rs. 208.02 (Two hundred eight lakhs and two thousand only) for a period of five year. (Please see Annexure - I)

9. Any grant-in-aid received by the University / Institution / Voluntary Organization / Society from any other authority of the Central/State Government or any other source for the same purpose for which the grant is sought to be obtained?

No grant-in-aid received from the Central /State Government or from any other source for the same purpose.

10. List of documents attached:

(i) The latest available Annual Report, if any.

Annual Report for the year 2006 – 2007 is attached as Appendix - I

(ii) A copy of the audited accounts of the institution for the previous financial year together with a copy of the last balance sheet, if any,

Please see Appendix - III

(iii) A statement of grants received during last three years from State Government or other bodies indicating in each case

a. The purpose for which the grant was obtained.

As shown in Appendix - III

b. How it was utilized

It was utilized as per Institute rules and regulations and Government approvals/orders received from time to time.

c. Progress made in the programme for which grant was received.

Shown in the Annual Report – attached as Appendix - I

d. Whether all conditions of previous grant were duly observed

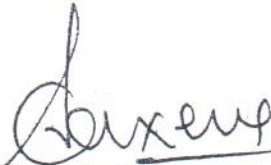
Yes



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Person nominated to liaison with Ministry to take necessary steps from time to time for the establishment of the IPR chair at IIT Roorkee.

Prof. P.K. Ghosh
Coordinator, IPR-Cell and
Professor of Metallurgical & Material Engg.
Indian Institute of Technology
Roorkee -247 667
Phone: (01332)-285873/ 285699 (Off.) /
285082 (Res.)
Fax: 01332- 285873, 273560
e-mail : ipr-cell@iitr.ernet.in
prakgfmt@iitr.ernet.in



Name, address and signatures of the Head of Institution

Prof. S. C. Saxena
Director
Indian Institute of Technology
Roorkee -247 667
Phone No.: 01332-285500,
Fax: 01332-285815
e-mail : director@iitr.ernet.in

Dated : 08 August, 2008



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List of Enclosures:

- Annexure – I : Five year budget for operation of IPR Chair and Associated IPR Activities at IIT Roorkee
- Appendix –I : The Annual Report of the Institute of the year (2006-2007)
- Appendix –II : Activities on IPR at IIT Roorkee
- Appendix –III : Statement of accounts for the previous financial year 2006-2007.



Five-Year Budget for Operation of IPR Chair and Associated IPR Activities Indian Institute of Technology, Roorkee

Budget Head	Year 1	Year 2	Year 3	Year 4	Year 5	Total	Total/ Head	
	Rupees in Lakhs							
Non-Recurring:								
Equipment and Accessories (Computing, Networking Infrastructure for connectivity and Web-Resources, Office equipment)	10.00	0.00	0.00	0.00	0.00	10.00	30.00	
IP Depository (Books, journals, Literature and electronic material)	10.00	10.00	0.00	0.00	0.00	20.00		
Sub-Total	20.00	10.00	0.00	0.00	0.00	30.00		
Recurring:								
Chair Faculty (1)	10.00	10.00	10.00	10.00	10.00	50.00	178.02	
Research Associate/Assistant (2)	5.00	5.00	5.00	5.00	5.00	25.00		
Ph. D. Fellowships (for 2 scholars in 5 years) (14000-14000-15000) + Research Contingencies	1.88	1.88	3.88	1.88	2.00	11.52		
Contingency	1.20	1.20	1.20	1.20	1.20	6.00		
Domestic Travel (5 trips/year) includes TA/DA	1.50	1.50	1.50	1.50	1.50	7.50		
Workshop/Conference:								
National (1)	0.00	3.00	0.00	0.00	0.00	3.00		
International (1)	0.00	0.00	5.00	0.00	0.00	5.00		
Training of Trainers (1/year)	3.00	3.00	3.00	3.00	3.00	15.00		
IP Clinics (2/year)	6.00	6.00	6.00	6.00	6.00	30.00		
Resource Material (Purchase, Preparation & Publication)	5.00	5.00	5.00	5.00	5.00	25.00		
Sub-Total	33.58	36.58	40.58	33.58	33.70	178.02		
Grand Total	53.58	46.58	40.58	33.58	33.70	208.02	208.02	

Prof. & Coordinator IPR Cell

प्रो. पी. के. घोष / Prof. P. K. Ghosh
संयोजक, बौद्धिक सम्पदा अधिकार प्रकोष्ठ
Roorkee, Coordinator IPR Cell,

Dated: 08 August, 2008
Indian Institute of Technology, Roorkee
रूड़की / Roorkee-247 667



Subrata Ray
Dean

Sponsored Research & Industrial Consultancy
Prof. Subrata Ray

Dean
Sponsored Research & Industrial Consultancy
Indian Institute of Technology Roorkee
Roorkee-247 667

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Appendix - I

The Annual Report of the Institute for the year 2006-2007.

Printed bound copy of the Annual Report for the year 2006-2007 is enclosed.



ACTIVITIES ON IPR AT IIT ROORKEE

During the past years, following activities related to IPR were successfully organized at IIT Roorkee.

IPR related Courses/ Electives

1. January 2006 The Institute Elective for UG students on **"INTRODUCTION TO IPRs"** was introduced through the Department of Humanities and Social Sciences.
2. March 2006 A short term course on **"IPR TEACHING"** under **Training of Trainers (ToT)** programme organized under the sponsorship of MHRD.
3. January 2007 Minor elective for PG students **"INTELLECTUAL PROPERTY RIGHTS AND PRACTICES"** introduced through the Department of Humanities & Social Sciences.
4. January 2008 Syllabus developed for **2-Yr. Post-Graduate degree Programme in "IP MANAGEMENT"**, which is currently under process for formal introduction.
5. March 2008 Short term training course on IPR and maintaining LRB for the Research Scholars is being organized once in each semester.

National Workshop/Conference/ Symposia

1. March 2005 National Workshop on **"IPR Curriculum for Engineering and Science Students"** sponsored by MHRD.
2. February 2006 National Workshop on **"IPR Creation and Management in Academic and Research Institutions"** sponsored by MHRD.
3. March 2006 National Seminar of IPR Awareness for students entitled **"MANTHAN"** sponsored by MHRD and Ranbaxy Laboratories.
4. February 2007 National Workshop on **"Developing a model for promoting Institute – Industry Linkages for IP Creation and Management"**. Sponsored by EU-India, TIDP.
5. April 2008 **"Patent Database-Search"** Workshop conducted by TIFAC during World IP Day Celebration at IIT Roorkee.
6. January 2009 International conference on **"Knowledge Sharing & IP Management: Evolving Strategies in Asia – Pacific (KIPASPA2009)"** proposed to be held during January 29 – 31, 2009.



Experts Lectures & Brainstorming Session

- 1. April, 2004. Lecture on **“Generation of wealth through licensing of IPR”** by Dr. Virendra K. Ahuja, Faculty of Law, University of Delhi
- 2. May 2006 - 2007 **“Brainstorming sessions for IPR Counseling in various Departments of IIT Roorkee”** with the Scholars and Faculty Members
- 3. March 2007 Lectures during **“Open Source & Standards”** by Mr. Arnaud Le Hors. Program Director IBM Open Source & Standards office, USA
- 5. November 2007 Lectures during “IIT Roorkee-IBM Technology Day” programme on **“Core Emerging Issues Pertaining to IT Hardware & Software Sectors”** by Dr C. Mohan (Chief Scientist IBM India) on **“High Performance Computing in the New World”** by Dr. Manish Gupta (CTO Server & Technology Group, IBM) on **“Enterprise Architecture”** by Mr. Atul Misra (Enterprise Architecture & SOA Service Leader) on **“Information Management”** by Gaurav Sharma, IBM
- 6. March 2008 Lectures during Inaugural Cum Orientation Programme of the Technopreneur Promotion Programme (TePP) Outreach Centre (TUC). on **“TePP Programme Introduction”** by Dr. A.S. Rao, Scientist 'G', Department of Scientific & Industrial Research and Advisor TePP Programme on **“TePP experiences sharing”** by Mr. Mukesh Mathur, Scientist “D” & Members Secretary TePP
- 6. April 2008 Lecture during World IP Day Celebration on **“IP Generation : Innovative Thinking”** by Dr. Shaleen Raizada, M.D & CEO, Sanshadow Consultants Pvt. Ltd. on **“Registration Copyright and Patents Why’s and How’s”** by Mr. Madhukar Sinha, Deputy Financial Officer, Northern Railway Former Director Higher Education, IP & Copyright, Div., MHRD Govt. of India

Infrastructure developed / created

- 1. April 2005 **IPR library** established in the IPR Cell.
- 2. April 2006 IPR Cell notified as a STAND ALONE CELL to be effective from 1.5.2006. Started functioning with full strength, in its new premises.
- 3. 2006- till date Regular strengthening of infrastructure by adding facilities for patent search and conduct of seminars / meeting sessions etc.



Promoting Student Activities in IP Sector

1. January 2007 Student Activity Forum (SAF) established in the IPR Cell.
2. March 2008 Organization of several annual workshops for students and researchers during the "Techfest" of IIT Roorkee, **Cognizance -2008** and hobbies festival "**Shristi**", by SAF
3. 2007-2008 SAF Supported IPR Cell members in organizing workshop/seminar/conferences and in designing and updating the website.

Documents & Portal for IP administration and awareness

1. September 2005 "**Intellectual Property Rights Policy**" of IIT Roorkee released and brought into practice.
2. December 2006 "**Website of IPR Cell**" designed and β -version launched. Final version launched on April 2007.
4. May 2006 Release of brochure entitled "**A Ready Reckoner for IP Creation & Management**" at IIT Roorkee.
3. January 2007 **Laboratory Record Book (LRB)** Introduced.



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8. INSTITUTE ACCOUNTS

- 8.1 Summary of Balance Sheet
 8.2 Summary of Total Income & Expenditure
 8.3 Details of MHRD Plan Expenditure
 8.4 Details of MHRD Non Plan Expenditure
 8.5 Details of Other Account
 8.5.1 Sponsored Research Projects
 8.5.2 Consultancy and Testing Projects
 8.5.3 Institute Development Fund
 8.5.4 Sponsored Research Projects of Paper Technology
 8.5.5 Consultancy & Testing Projects of Paper Technology
 8.5.6 Grant/Assistance received from AICTE
 8.5.7 Grant/Assistance received from UGC
 8.5.8 Grant/Assistance received from CSIR
 8.5.9 Receipts from Seminar and conference
 8.6 Donations Received

8.1 Summary of Balance Sheet as at 31st March 2007

PARTICULARS	SCH. No.	CURRENT YEAR		PREVIOUS YEAR	
		Amount (Rs.)	Amount (Rs.)	Amount (Rs.)	Amount (Rs.)
SOURCES OF FUNDS					
CORPUS FUND					
a. Capital Fund	1	9580689424.57		7263187841.16	
b. Institute Development Fund	1A	560567477.08		512113770.31	
c. Trust Funds	1B	75555689.40		33563907.24	
d. JEE Fund	1C	23660132.04		(15477699.82)	
e. JAM Fund	1D	4940566.15		2327869.15	
f. GATE Fund	1E	<u>29734294.38</u>	10275147583.62	<u>(2528592.72)</u>	7793187095.32
GPF/CPF Fund					
CURRENT LIABILITIES & PROVISIONS					459432756.84
A. Current Liabilities :					
a. UGC Account	2A	7449014.13		2422504.20	
b. Govt. of India Fund Account	2B	29365378.16		2322102.25	
c. SRIC Fund	2C	<u>426563700.21</u>	463378092.50	<u>45235985.62</u>	49980592.07
EXPENSES PAYABLE	3		34677167.00		29251835.00
SECURITY DEPOSITS	3A-3C		16342151.87		14041624.87
B. Provisions					
For Interest payable to Subscriber on GPF				33169080.00	
For Interest payable to Subscriber on CPF				<u>1440901.00</u>	34609981.00
TOTAL RS.			10789544994.99		8380503885.10
APPLICATION OF FUNDS					
FIXED ASSETS	4A-4C		9182351865.37		6145573039.14
INVESTMENTS	5A-5B		1015395741.00		1448840398.00
CURRENT ASSETS, LOAN & ADVANCES					
A. Current Assets :					
a. Cash & Bank Balances	6A-6B		382778599.32		308630871.75
b. Plan Grant Receivable from MHRD					75000000.00
c. Interest accrued on Investments			31894768.00		40928444.00
Advances Recoverable in cash or in kind:					
a. Advance against Foreign letter of credit Issued by bank (pending adjustment)	7-7A		140827913.00		195044453.00
b. Sundry Advances	8-8B		28737283.30		159277854.21
c. Securities	9		7558825.00		7208825.00
TOTAL (RS.)			10789544994.99		8380503885.10
SIGNIFICANT ACCOUNTING POLICIES & NOTES TO ACCOUNTS	10				



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8.2 Summary of Total Income & Expenditure

(Rs. in lacs)

Head of Accounts	Opening Balance	Income	Other Receipts	Total	Expenditure
I. MHRD					
(a) Plan Grant	760.87	3500.00	—	4260.87	4260.87
(b) Non Plan Grant	—	5200.00	1884.22	7084.22	7084.22
II. UGC	36.44	82.52	1.69	120.65	46.16
III. CSIR	121.71	119.59	8.05	249.35	92.91
IV. Institute Receipts					
(a) Fee	198.14	985.00	74.56	1257.70	1081.54
(b) Bhawan Receipt Payment Fund	18.75	63.25	6.20	88.20	31.13
V. Foreign Student Scheme	9.02	—	0.32	9.34	0.03
VI. Sponsored Research Projects	1475.44	1471.96	—	2947.40	1461.54
VII. Consultancy & Testing Projects	1348.15	1551.61	—	2899.76	1431.64
Total	3968.52	12973.93	1975.04	18917.49	15490.04

8.3 Details of MHRD Plan Expenditure

(Rs. in lacs)

Sl.	Head of Accounts	Expenditure
1.	Equipment	
(i)	Replacement of obsolete equipment & modernization of laboratories	1094.73
(ii)	Equipment of new Department/Placement Cell Education Tech. Cell/NPTEL	54.30
(iii)	New Programme	
(a)	Equipment	6.74
(b)	NMR	19.46
(iv)	Office equipment/Automation	100.74
(a)	a few new offices	
(b)	computerization of Adms. Functions	
2.	Up gradation of Computing facilities	95.96
3.	Up gradation of Networking & Multimedia Facilities	117.76
4.	Strengthening of library	560.42
5.	Staff / Student Amenities (other than buildings)	
(a)	DOSW (Clubs & Sports)	109.47
(b)	Security	3.49
(c)	Hospital	4.02
(d)	Dairy	0.00
(e)	Sports	0.00
(f)	Transportation	7.63
6.	Renovation/Extension of Buildings (including support services)	
(i)	Academic & Administrative buildings	181.78
(ii)	Residential buildings	228.92
(iii)	Student's hostel and amenities	1499.86
(iv)	Guest House & Conference Complex	87.44
(v)	Generator/Substation, Sports	84.14
(vi)	Sports	4.01
TOTAL		4260.87



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8.4 Details of MHRD Non Plan Expenditure

(Rs. in lacs)

Sl. No.	Head of Expenditure	2006-2007
1.	Establishment Expenses	
(i)	Pay & Allowance	3249.37
(ii)	OTA and Honorarium	2.12
(iii)	Traveling Allowance & LTC	115.18
(iv)	Children Education Allowance	2.01
(v)	Fund Contribution	0.25
(vi)	Pension and Gratuity	1260.32
(vii)	Advances	0.00
(viii)	Security and other agencies	61.17
(ix)	Mess Subsidy	91.51
(x)	Medical Expenses	180.08
(xi)	Staff development and HRD	0.69
	TOTAL	4962.70
2.	Academic and Educational Expenses	
(i)	Departmental Operating Costs	272.18
(ii)	Preparatory Course	0.00
(iii)	Scholarships/Fellowships	758.94
(iv)	Library	9.93
(v)	Other Educational Expenses	120.30
	TOTAL	1161.35
3.	(a) Computerization & Comp. Support Services	0.30
	(b) National Facility (Shake Table etc.)	0.00
	TOTAL	0.30
4.	Maintenance Expenses	
(i)	Estate Maintenance	317.04
(ii)	Water, Power & Fuel/Electricity	459.70
(iii)	Property Tax	2.66
	TOTAL	779.40
5.	Other Expenses	180.47
	GRAND TOTAL	7084.22



Attention: Prof P.K.Gosh, I.I.I, ROORKEE

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Archives Miscellaneous Scroll Local Grantee/Outside Grantee Grant-in-Aid (For use of Department authorities) Education

Bill No. Central

Head of Account: Demand No.58 - Department of Higher Education - Major Head "2202" General Education - 80 General - 004 - Research - 08 Scheme for Intellectual Property Education, Research and Public Outreach - 08.00.31 Grants-in-aid 2010-11 (Plan).

Received a sum of Rs30,00,000/- (Rupees Thirty lakhs only) being the amount sanctioned under the Government of India, Ministry of Human Resource Development (Department of Higher Education) sanction letter F.No.17-3/2010-IC dated 10.5.2010 (copy enclosed) for dishursemment to Indian Institute of Technology Roorkee, Roorkee, Uttarakhand.

The amount of this bill is under Rs.30,00,001/- (Rupees Thirty lakhs and one only).

Budget Estimate 2010-11	2,69,00,000/-
Expenditure including this Sanction	60,00,000/-
Balance	2,09,00,000/-

Certified that:

- (i) I have no reason to believe that the grantee institution is involved in corrupt practices.
- (ii) The conditions of the grants-in-aid have been accepted by the grantee.
- (iii) The grantee institution has executed the requisite Bond.

New Delhi

Date:

(R.S. Rajput)

Under Secretary to the Govt. of India

(शिक्षण विभाग/उपसचिव/ R. S. RAJPUT)

जाने साचेत/Under Secretary

रा. श. वि. विभाग/Min. of H. R. D.

उच्चतर शिक्षण विभाग/Dro Higr. Edn.

राज. शा. वि. विभाग/New Delhi

01- 12/5/10

For Use in Treasury

Pay Rupees:

Examined:

Treasury Accountant

For use in Accountant General's Office

Admitted Rs.

Objected Rs.

Reasons for objections

Auditor

Superintendent

Gazetted Officer

Handwritten initials and date: 12/5/10



(32)

F.No.17-3/2010-IC
Government of India
Ministry of Human Resource Development
Department of Higher Education
BP & Copyright Division
IC Section

B2/W3, Curzon Road Barracks,
Kasturba Gandhi Marg, New Delhi-110001
Dated : 10th May, 2010

To

The Accounts Officer
Pay & Accounts Office,
Department of Higher Education,
Ministry of Human Resource Development,
Shastri Bhavan, New Delhi.

Subject: Release of grant-in-aid of Rs.30,00,000/- (Rupees Thirty lakh only) to **Indian Institute of Technology Roorkee, Roorkee, Uttarakhand** for incurring expenditure on setting up of an IPR Chair under the scheme for Intellectual Property Education, Research and Public Outreach - reg.

Sir,

I am directed to convey the sanction of the President to the payment of grant-in-aid of Rs.30,00,000/- (Rupees Thirty lakh only) for the year 2010-11 (Recurring) to the Indian Institute of Technology Roorkee, Roorkee, Uttarakhand for setting up of an IPR Chair at the Indian Institute of Technology Roorkee. The setting up of IPR Chair will inter-alia, include appointment of one Professor, two Research Officers/Assistants, one Steno-cum-Documentation Assistant and one Group 'D' employee and also contains provision of library, equipments and other ancillary items. **The appointments and activities should be in accordance with the MHRD-IPR Norms Issued vide No.F-17-27/2001-IC dated 24.12.2009 attached to this sanction.** The Chair will be known as Ministry of Human Resource Development (HRD) Chair on IPR.

2. The grantee does not have any pending UC and audited accounts under the Scheme.
3. The grant is subject to the following conditions:
 - (i) **The grant will be utilized only for the approved items of expenditure in accordance with the MHRD - IPR Chair Norms Issued vide this Ministry's letter No.F-17-27/2001-IC dated 24.12.2009.**
 - (ii) The accounts and records shall be maintained in accordance with the procedure prescribed by the Government of India.
 - (iii) The assets acquired by the grantee out of the grants sanctioned shall be subject to the rules and conditions prescribed by the Government of India from time to time in this regard.
 - (iv) A register of the permanent and semi-permanent assets acquired wholly or partly out of the Government grant shall be maintained in the prescribed form and a copy thereof is furnished to this Ministry. No item of the assets shall be transferred or otherwise disposed of without the concurrence of the Ministry.

.....2p/-



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-- 2 --

F.No.17-3/2010-IC
10th May, 2010

- (v) Before the amount is paid, a bond shall be executed by the Institute/Organization in respect of the grant, if necessary under Rules. The organization receiving the grant shall have to give an undertaking that no grant-in-aid has been received from any other authorities of the Central or State Governments and that a grant-in-aid for the same purpose has not been applied for by the organization to any of those authorities.
- (vi) The account of all grantee Institutions or Organization shall be opened, for to inspection by the sanctioning authority and audit, both by the Comptroller and Auditor General of India under the provision of CAG (DPC) Act 1971 and Internal Audit by the Principal Accounts Office of the Ministry or Department whenever the Institution or organization is called upon to do so.
- (vii) The organization shall have to give an undertaking that the grant shall be utilized for the purpose, and only for the purpose, for which it is sanctioned. Failure to do so shall render the organization liable to refund to the Government the grant in full with such interest thereon as the Central Government may decide.
- (viii) Separate accounts for the grant will be maintained and any information sought by the Government of India will be furnished within the stipulated time.
- (ix) The assets acquired through government grant except those declared obsolete shall not be disposed of without prior approval of the authority which sanctioned the grant.
- (x) The grant received under this scheme shall not be utilized for meeting the previous liabilities or debt.
- (xi) A Utilization Certificate, certifying that the amount has been utilized for the purpose for which it has been sanctioned duly supported by a statement of audited accounts from a Chartered Accountant or authorized auditor of the University/Institution as the case may be and countersigned by the head of the organization, shall be furnished immediately after the close of current financial year 2008-09 within one year from the date of issue of the sanction. No previous UC is pending in respect of scheme for which this sanction relates.
- (xii) TA/DA should be paid as per Government of India Rules.
- (xiii) The decision of the Secretary to the Government of India in the Ministry of Human Resource Development (Department of Higher Education) on the question whether there has been breach or violation of any of the terms and conditions appended to the grant shall be final and binding on the grantee.
- (xiv) Institution receiving grant should irrespective of the amount involved, be required to maintain subsidiary accounts of the Government grant and furnish to the accounts officer a set of audited statement of accounts. These audited statement of accounts should be furnished after utilization of the grants-in-aid or whenever called for. The accounts of all grantee institutions shall be open for inspection by the sanctioning authority and audit.

...3p/-



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F.No.17-3/2010-IC
10th May, 2010

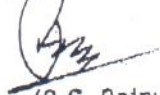
4. The grant of Rs.30,00,000/- (Rupees Thirty lakh only) is debitible to Demand No.58 - Department of Higher Education; Major Head "2202"; General Education; 80-General; 004-Research; 08 - Scheme for Intellectual Property Education, Research & Public Outreach ; 08.00.31 Grant-In-aid 2010-11(Plan) and will be drawn by the Drawing & Disbursing Officer (Grants) of the Department of Higher Education and paid to Indian Institute of Technology Roorkee through Demand Draft/ Cheque/ Electronic/Telegraphic transfer of funds. The grantee is having their Bank Account at **Canara Bank, Anaj Mandi, Roorkee-247667, Haridwar, Uttarakhand and the Account Number is S/B 2200101013467.**

5. This issues with the concurrence of the Integrated Finance Division vide their Dy.No.2213/2010/IFD dated 26.4.2010 and in consultation with IF.I Section vide their Dy.No. 580/10/IF.I dated 05-05-2010.

6. The pattern of grant/expenditure has been approved by the Ministry of Finance. This sanction is being issued in conformity with the rules and principles of the scheme as approved by the Ministry of Finance.

7. The grantee organization Indian Institute of Technology Roorkee is located at Roorkee, Uttarakhand.

Yours faithfully,



(R.S. Rajput)

Under Secretary to the Govt. of India

Copy to:

1. The Registrar, Indian Institute of Technology Roorkee-247667, Uttarakhand.
2. Drawing and Disbursing Officer (Grants), Department of Higher Education, with two spare copies and bill in duplicate.

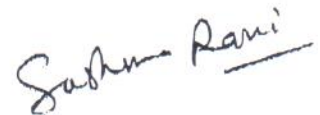


(R.S. Rajput)

Under Secretary to the Govt. of India

Copy also forwarded to:

1. Accountant General, Government of Uttarakhand, Dehradun.
2. A.G.C.R. (SPL CELL), New Delhi.
3. Director General of Audit, Central Revenue, IP Estate, New Delhi.
4. IFD/IF-I /EC Unit
5. Sanction Folder/Guard File.


(Sushma Rani Kumar)
Section Officero/c R.L.
14/5/10

"AUTHORIZATION LETTER"

Proforma-II

We, **INDIAN INSTITUTE OF TECHNOLOGY ROORKEE** (Organization/Society/NGOs name) would like to receive the sums disbursed by the Ministry of Human Resource Development to me/us electronically to our bank account, detailed below :-

Payee's Particulars					Bank Details									
Name of payee as in bank account	Address	District	Pin Code	State	Tele. No. with STD code	Fax No.	E-mail Address (if any)	Name of the bank	Bank Branch (full address & Telephone Number)	Bank account number	Account type	Mode of Electronic transfer available	IFSC code	MICR code
Indian Institute of Technology Roorkee	Indian Institute of Technology Roorkee, Roorkee	Haridwar	247667	Uttarakhand	01332-285500	01332-285815	director@iitr.ernet.in	Canara Bank	Canara Bank, Anaj Mandi, Roorkee - 247667 Haridwar (U.K.)	S.B. A/c No. 2200101013467	Saving Bank Account	RTGS	CNRB002200	000015000

Account number has been verified by me

Dr. S. C. Saxena
 Director
 Indian Institute of Technology Roorkee

(Bank branch maintaining the Account)
 Seal

Signature (Name) : Dr. S. C. Saxena

S. C. Saxena
 19.03.2010

Name of Organization: **Indian Institute of Technology Roorkee**
 भारतीय प्रौद्योगिकी संस्थान रूरकी
 Indian Institute of Technology Roorkee
 रूरकी/Roorkee-247667



Appendix 'C'

भारतीय स्टेट बैंक



State Bank of India

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Savings Bank Account

CIF No : 85855054553

Account No : 31348739808

Customer Name: REGISTRAR, IIT ROORKEE "INTELLECTUAL PROPERTY RIGHT CHAIR"

IIT ROORKEE

INDIAN INSTITUTE OF TECHNOLOGY

S/D/W/H/o:

Address: INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

Phone: 272442

Email: sbi.01069@sbi.co.in

Branch Code: 1069

Date of Issue: 23/05/2014

23/05/2014 3018490 1069

IFSC: SBIN0001069

ROORKEE

Phone:

Email:

D.O.B. (If Minor):

MOP.:

Nom. Reg. No.:

CONTINUATION

शाखा प्रबंधक
Branch Manager



DATE	PARTICULARS	CHEQUE NO.	DEBIT	CREDIT	BALANCE
				Brought Forward	1798749.00Cr
15.11.14	SWEEP TRF CREDIT			11665.00	13405.00Cr
	INT: 665.00ROI: 7.00TAX: 0.00				
15.11.14	TRF	530885	12000.00	Brought Forward	1857.00Cr
15.11.14	SWEEP TRF CREDIT			25452.00	1405.00Cr
	INT: 1452.00ROI: 7.00TAX: 0.00				
15.11.14	PNB INWRD CLG	530884	25000.00		26857.00Cr
	UncI Bal: 0.00 Clr Bal: 1857.00 Cr; MOD BAL: 384857.00Cr				
24.11.14	RTGS CNRBR52014112400786004 MINISTRY E P			1800000.00	1801857.00Cr
25.11.14	AXS INWRD CLG	530857	1950.00		1797907.00Cr
28.11.14	AXS INWRD CLG	530859	4200.00		1793707.00Cr
09.12.14	TRF	530888	20000.00		1768723.00Cr
	UncI Bal: 0.00 Clr Bal: 1793707.00 Cr; MOD BAL: 2176707.00Cr				

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STATEMENT OF ACCOUNT

STATE BANK OF INDIA
IIT ROORKEE
INDIAN INSTITUTE OF TECHNOLOGY
P.B.NO.15, ROORKEE,
Branch Code : 1069
Branch Phone : 272442
IFSC:SBIN0001069

REGISTRAR ,IIT ROORKEE "INTELLECTUAL PROPERTY RIGHT CHAIR" MICR:247002094
INDIAN INSTITUTE OF TECHNOLOGY , ROORKEE

Account No. : 31348739808
Product : SBCHQ-SURABHI-PUB OTH-ALL-INR
Currency : INR

ROORKEE
247667

Date : 23/02/2015 **Time :** 15:18:52 **E-mail :**
Cleared Balance : 341.00Cr **Uncleared Amount :** 0.00
+MOD Bal: 16,72,376.00Cr
Limit : 0.00 **Drawing Power :** 0.00
Int. Rate : 4.00 % p.a. **Nominee Name :**
Statement From 28/09/2010 to 30/09/2010 **Page No. : 1**

Post Date	Value Date	Details	Chq.No.	Debit	Credit	Balance	
		BROUGHT FORWARD :					0.00
29/09/10	29/09/10	CREDIT BY CLG			3000000.00	3000000.00Cr	



CLOSING BALANCE : 30,00,000.00Cr

Statement Summary
Dr. Count 0 Cr. Count 1 30,00,000.00

In Case Your Account Is Operated By A Letter Of Authority/Power Of Attorney Holder, Please Check The Transaction With Extra Care.
--- END OF STATEMENT ---

Appendix 'D'

Dated: Oct.31, 2014

**FINANCE & ACCOUNTS OFFICE
INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE**

Form GFR 19-A
Form of Utilization Certificate (interim)
(2013-14 up to 31.03.2014)

Sl. No.	Sanction Letter No.	Amount (in Rs.)
1	* Brought forward from last F. Y. 2012-13	*11,74,026.00
2	F.No.17-3/2010-IC dated 20.12.2013	24,00,000.00
3	Interest received Rs. 55,892.00	
Total		35,74,026.00

Certified that a sum of Rs. **24,00,000.00** of the Grant in aid sanctioned and released by the MHRD during the F.Y. **2013-14** in favour of IIT, Roorkee under this Ministry Letter Nos. given in the margin and Rs. **11,74,026.00** on account of unspent balance of the previous year a sum of Rs. **24,01,045.00** has been utilized for the purpose of it was sanctioned and that the balance of Rs. **12,28,873.00 (including interest)** remaining unutilized at the end of the year has been surrendered to Government (vide DD No. ...Nil. Dated.....)/ will be adjusted towards the grants-in-aid payable during the next financial year **2014-15.**

Certified that I have satisfied myself the conditions, on which the grant in aid was sanctioned, have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

The above figures are tentative and subject to audit.

Kinds of checks exercised:-

1. Cash Book
2. Grant Receipt Register
3. Voucher



Enclose:

1. Receipts and Payment Account for the F. Y. 2013-14 of the IPR Chair up to 31.03.2014.

[Handwritten Signature]
Dean Finance & Planning
 डीन, वित्त एवं नियोजन
 Dean, Finance & Planning
 भारतीय प्रौद्योगिकी संस्थान, रुड़की
 Indian Institute of Technology Roorkee
 31/10/14

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
ROORKEE-247667

IPR CHAIR A/C-31348739808

RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD 1.4.2013 TO 31.03.2014

AMOUNT(RS.) PREV. YEAR	RECEIPTS	AMOUNT(RS.) CURRENT YEAR	AMOUNT(RS.) CURRENT YEAR	AMOUNT(RS.) PREV. YEAR	PAYMENTS	AMOUNT(RS.) CURRENT YEAR	AMOUNT(RS.) CURRENT YEAR
31,05,159.00	<u>Opening Balance:</u> Bank Balance As At 01-04-2013	11,74,026.00	11,74,026.00	20,99,477.00	Contingency Exp.		2401045.00
0.00	<u>Receipts:</u> Grant Received	24,00,000.00	24,00,000.00				
1,25,376.00	Interest Income	55892.00	55892.00				
42968.00	Refund of Advance	0.00	0.00	11,74,026.00	<u>Closing Balance:</u> Bank Balance As At 31.03.2014		12,28,873.00
32,73,503.00	TOTAL	36,29,918.00	36,29,918.00	32,73,503.00	TOTAL		36,29,918.00

Supdt(Fund)
अधीक्षक/अधीक्षक

Asstt. Registrar/Dy. Registrar (F&A)
उप कुलसचिव (वित्त एवं लेखा)
Deputy Registrar (Finance & Accounts)
भारतीय प्रौद्योगिकी संस्थान रुड़की
Indian Institute of Technology Roorkee

Dean Finance & Planning
डीन, वित्त एवं नियोजन
Dean, Finance & Planning
भारतीय प्रौद्योगिकी संस्थान, रुड़की
Indian Institute of Technology Roorkee



INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
ROORKEE-247667
IPR CHAIR A/C-31348739808
Expenditure for the Period 1.4.2013 TO 31.03.2014

Sl. No.	Heads	Sanctioned Amount	Utilized
1.	Salary		
	MHRD-IPR Chair Professor (01)		
	Honorarium	3,60,000/-	3,60,000/-
	Contingencies	2,40,000/-	1,39,645/-
	Research Officer / Research Assistant (02)	6,00,000/-	4,26,290/-
	Project Assistant (01)	1,98,000/-	1,96,500/-
	Project Attendant (01)	1,05,600/-	1,03,200/-
2.	Ph.D. Fellowships (02)	3,38,000/-	24,000/-
3.	Academic & Training Program (02)	2,00,000/-	1,15,399/-
4.	Workshops (02)	2,00,000/-	1,26,647/-
5.	Conference / Conclave (02)	2,50,000/-	2,48,510/-
	Outreach Program / Clinics (02)	2,00,000/-	-
7.	Domestic Travel	2,00,000/-	89,767/-
8.	Miscellaneous	1,00,000/-	70,108/-
9.	Library (Initial Year)	5,00,000/-	500979/-
	Total		24,01,045/-



[Signature]
31/3/14
 अधीक्षक (सहायक)

[Signature]
 सहायक कुलसचिव (वित्त एवं लेखा)
 Asstt. Registrar (Finance & Accounts)
 भारतीय प्रौद्योगिकी संस्थान रुड़की
 Indian Institute of Technology Roorkee

[Signature]
 Deputy Registrar (F&A)
 Deputy Registrar (Finance & Accounts)
 भारतीय प्रौद्योगिकी संस्थान रुड़की
 Indian Institute of Technology Roorkee

[Signature]
 Dean (Finance & Planning)
 Dean, Finance & Planning
 भारतीय प्रौद्योगिकी संस्थान, रुड़की
 Indian Institute of Technology Roorkee

Dated: 15th May, 2013

**FINANCE & ACCOUNTS OFFICE
INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE**

**FINANCE & ACCOUNTS OFFICE
INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE**

Form GFR 19-A
Form of Utilization Certificate (interim)
(2012-13 up to 31.03.13)

Sl. No.	Sanction Letter No.	Amount (in Rs.)
1	F. No. 17-3/2010-IC Dated 10 th May 2010 * Brought forward from last F. Y. 2011-12 Interest received Rs. 1,25,376.00	*31,05,159.00
Total		31,05,159.00

Certified that a sum of Rs. Nil of the Grant in aid sanctioned and released by the MHRD during the F.Y. 2012-13 in favour of IIT, Roorkee under this Ministry Letter Nos. given in the margin and Rs. 31,05,159.00 on account of unspent balance of the previous year a sum of Rs. 20,99,477.00 has been utilized for the purpose of it was sanctioned and that the balance of Rs. 11,74,026.00 (including interest) remaining unutilized at the end of the year has been surrendered to Government (vide DD No. ...Nil... Dated.....)/ will be adjusted towards the grants-in-aid payable during the next financial year 2012-13.

Certified that I have satisfied myself the conditions, on which the grant in aid was sanctioned, have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

The above figures are tentative and subject to audit.

Kinds of checks exercised:-

1. Cash Book
2. Grant Receipt Register
3. Voucher



Enclose:

1. Receipts and Payment Account for the F. Y. 2012-2013 of the IPR Chair up to 31.03.2013.

Deputy Registrar (A&A)

उप कूलसचिव (वित्त एवं लेखा-परिगणना)
Deputy Registrar (Accounts & Audit)
भारतीय प्रौद्योगिकी संस्थान रुड़की
Indian Institute of Technology, Roorkee



Dean Finance & Planning
16/5/13

डीन, वित्त एवं नियोजन
Dean, Finance & Planning
भारतीय प्रौद्योगिकी संस्थान, रुड़की
Indian Institute of Technology Roorkee

(17)

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
ROORKEE-247667

IPR CHAIR A/C-31348739808

RECEIPTS AND PAYMENTS ACCOUNT FOR THE PERIOD 1.4.2012 TO 31.03.2013

AMOUNT (RS.) PREV. YEAR	RECEIPTS	AMOUNT (RS.) CURRENT YEAR	AMOUNT (RS.) CURRENT YEAR	AMOUNT (RS.) PREV. YEAR	PAYMENTS	AMOUNT (RS.) CURRENT YEAR	AMOUNT (RS.) CURRENT YEAR
30,27,041.00	<u>Opening Balance:</u>						
-	Bank Balance As At 01-04-2012	31,05,159.00	38,999.00		Total Expenditure (As per Annexure-I)		20,99,477.00
1,17,117.00	<u>Receipts:</u>				<u>Closing Balance:</u>		
	Grant Received				Bank Balance As At 31.03.2013		11,74,026.00
	Interest Income	1,25,376.00					
	Refund of advance	42,968.00		31,05,159.00			
31,44,158.00	TOTAL	32,73,503.00	38,999.00	38,999.00	TOTAL		32,73,503.00



Supdt (Fund)
9/9/13

Deputy Registrar (F&A)
Dy. Registrar (Finance & Accounts)
Indian Institute of Technology
Roorkee



Dean (Finance & Planning)
9/9/13

MHRD-IPR CHAIR OFFICE INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Statement of expenditure for the Financial Year 2012-2013

Sl. No.	Heads	Utilized amount in Rupees
1.	MHRD-IPR Chair Professor (01) Honorarium Contingencies	*3,04,000/- *81,117/-
2.	Project Assistant (01)	*84,000/-
3.	Project Attendant (01)	*16,000/-
4.	Academic & Training Program (01)	90,650/-
5.	Conference / Conclave (01)	1,00,000/-
6.	Domestic Travel	26,103/-
7.	Miscellaneous	99,470/-
8.	Equipment (1 st Year)	2,99,460/-
9.	Library (1 st Year)	9,98,677/-
	Total	20,99,477/-

* as per IIT Roorkee Norms

[Signature]
Supdt. (Fund)
9/9/13

[Signature]
Deputy Registrar (A & A)
(G. K. Rastogi)
Dy. Registrar (Finance & Accounts)
Indian Institute of Technology
Roorkee



[Signature]
Dean (Finance & Planning) 9/9/13



15
February 28, 2013

FINANCE & ACCOUNTS OFFICE
INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE

Form GFR 19-A
Form of Utilization Certificate
(2011-12 upto 31.3.2012)

Sl. No.	Sanction Letter No.	Amount (in Rs.)
1	F. No. 17-3/2010-IC Dated 10 th May 2010 * Brought forward from last F. Y. 2010-11	*30,27,041.00
2	Interest received Rs. 1,17,117.00	
Total		30,27,041.00

Certified that a sum of Rs. Nil of the Grant in aid sanctioned and released by the MHRD during the F.Y. 2011-12 in favour of IIT, Roorkee under this Ministry Letter Nos. given in the margin and Rs. 30,27,041.00 on account of unspent balance of the previous year a sum of Rs. 38,999.00 has been utilized for the purpose of it was sanctioned and that the balance of Rs. 31,05,159.00 (including interest) remaining unutilized at the end of the year has been surrendered to Government (vide DD No. ...Nil.. dated.....)/ will be adjusted towards the grants-in-aid payable during the next financial year 2012-13.

Certified that I have satisfied myself the conditions, on which the grant in aid was sanctioned, have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:-

1. Cash Book
2. Grant Receipt Register
3. Voucher

Enclose:

1. Receipts and Payment Account for the F. Y. 2011-12 of the IPR Chair already audited by the Office of the Principal Director of Audit (Central) Lucknow, Branch at Allahabad (U.P).

Suman Kumar
28/2/13
सुमन कुमार/Suman Kumar
सहायक कुलसचिव (लेखा एवं लेखा परीक्षा)
Asstt. Registrar (Accounts & Audit)
भारतीय प्रौद्योगिकी संस्थान रुड़की
Indian Institute of Technology Roorkee
रुड़की-२४७ ६६७/Roorkee-247 667

TBhu
28.2.12
Dean Finance & Planning
कुलशासक, वित्त एवं योजना
Dean, Finance & Planning
भारतीय प्रौद्योगिकी संस्थान रुड़की
Indian Institute of Technology Roorkee
रुड़की/Roorkee-247 667

INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
ROORKEE-247667

IPR CHAIR A/C-31348739808

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2012

AMOUNT(RS.) PREV. YEAR	RECEIPTS	AMOUNT(RS.) CURRENT YEAR	AMOUNT(RS.) PREV. YEAR	PAYMENTS	AMOUNT(RS.) CURRENT YEAR	AMOUNT(RS.) CURRENT YEAR
	Opening Balance:					
	Bank Balance As At 01-04-2011	3,027,041.00		Misc. Exp.		14,500.00
	Receipts:			Travelling Exp.		24,499.00
3,000,000.00	Grant Received			Closing Balance:		
27,041.00	Interest Income	117,117.00	3,027,041.00	Bank Balance As At 31-03-2012		3,105,159.00
3,027,041.00	TOTAL	3,144,158.00	3,027,041.00	TOTAL		3,144,158.00

सुमन कुमार / Suman Kumar
 सहायक कुलसचिव (लेखा एवं लेखा परीक्षा)
 Asstt. Registrar (Accounts & Audit)
 भारतीय प्रौद्योगिकी संस्थान रुड़की
 Indian Institute of Technology Roorkee
 रुड़की-२४७ ६६७ / Roorkee-247667

कुलशासक, वित्त एवं योजना
 Dean, Finance & Planning
 भारतीय प्रौद्योगिकी संस्थान रुड़की
 Indian Institute of Technology Roorkee
 रुड़की-२४७ ६६७



February 28, 2013

FINANCE & ACCOUNTS OFFICE
INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE

Form GFR 19-A
Form of Utilization Certificate
(2010-11 upto 31.3.2011)

Sl. No.	Sanction Letter No.	Amount (in Rs.)
1	F. No. 17-3/2010-IC Dated 10 th May 2010	30,00,000.00
2	Interest received Rs. 27,041.00	
Total		30,00,000.00

Certified that a sum of Rs. 30,00,000.00 of the Grant in aid sanctioned and released by the MHRD during the F.Y. 2010-11 in favour of IIT, Roorkee under this Ministry Letter Nos. given in the margin and Rs. Nil on account of unspent balance of the previous year a sum of Rs. Nil has been utilized for the purpose of it was sanctioned and that the balance of Rs. 30,27,041.00 (including interest) remaining unutilized at the end of the year has been surrendered to Government (vide DD No. ...Nil.. dated.....)/ will be adjusted towards the grants-in-aid payable during the next financial year 2011-12.

Certified that I have satisfied myself the conditions, on which the grant in aid was sanctioned, have been duly fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised:-

1. Cash Book
2. Grant Receipt Register
3. Voucher

Enclose:

1. Receipts and Payment Account for the F. Y. 2010-11 of the IPR Chair already audited by the Office of the Principal Accountant General (Audit) Uttarakhand.

Suman Kumar
28/02/13
सुमन कुमार/Suman Kumar
सहायक कुलसचिव (लेखा एवं लेखा परीक्षा)
Asstt. Registrar (Accounts & Audit)
भारतीय प्रौद्योगिकी संस्थान रुड़की
Indian Institute of Technology Roorkee
रुड़की-२४७ ६६७/Roorkee-247 667

TBh
28.2.13
Dean Finance & Planning

कुलशासक, वित्त एवं योजना
Dean, Finance & Planning
भारतीय प्रौद्योगिकी संस्थान रुड़की

RECEIPTS AND PAYMENTS ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2011

AMOUNT(RS.) PREV. YEAR	RECEIPTS	AMOUNT(RS.) CURRENT YEAR	AMOUNT(RS.) CURRENT YEAR	AMOUNT(RS.) PREV. YEAR	PAYMENTS	AMOUNT(RS.) CURRENT YEAR	AMOUNT(RS.) CURRENT YEAR
	Opening Balance: Bank Balance As At 01-04-2010						
	Receipts: Grant Received Interest Income	3,000,000.00 27,041.00					
					Closing Balance: Bank Balance As At 31-03-2011		3,027,041.00
	TOTAL	3,027,041.00			TOTAL		3,027,041.00

Tishu 28.2.13

कुलशासक, वित्त एवं योजना
Dean, Finance & Planning
भारतीय प्रौद्योगिकी संस्थान रुड़की
Indian Institute of Technology Roorkee
रुड़की Roorkee-247 667

Suman Kumar

सुमन कुमार/Suman Kumar
सहायक कुलसचिव (लेखा एवं लेखा परीक्षा)
Asstt. Registrar (Accounts & Audit)
भारतीय प्रौद्योगिकी संस्थान रुड़की
Indian Institute of Technology Roorkee
रुड़की-२४७ ६६७ /Roorkee-247 667



Appendix 'E'

INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE

No. Estt.(A)/¹²⁵²²/E-4156

Dated : 07 May, 2012

OFFICE MEMORANDUM

Dr. P.K. Ghosh has been appointed on the position of Professorial Chair on Intellectual Property Education, Research and Public Outreach (IPERPO) in the Intellectual Property Cell, IITR with effect from in the *forenoon of 27th April 2012* as per the terms and conditions laid down in his offer letter No. Estt.(A)/196/E-270(Professorial Chair) dated 26th April 2012. He will be paid an Honorarium of Rs. 30,000/- p.m. and Contingency Rs. 20,000/- p.m. in addition to his pay

Dr. P.K. Ghosh
Professor,
(Professorial Chair on IPERPO)
Intellectual Property Cell
Indian Institute of Technology Roorkee
Roorkee

Copy to:

1. Professor & Head, M.M.E.D.
2. Dean Finance & Planning.

03/5/12
DY. Registrar (Admin)

of G. S. Ghosh
21/5/2012

03-5-12

NOT SENT

5/5/12



(16)

INDIAN INSTITUTE OF TECHNOLOGY
ROORKEE

Dated: 26 April, 2012.

96 /E-270(Professorial Chair)

Dr. P.K. Ghosh,
Professor,
Department of Metallurgical & Materials Engineering
IIT Roorkee

SUBJECT:- OFFER OF AWARD ON THE POSITION OF INTELLECTUAL PROPERTY EDUCATION, RESEARCH AND PUBLIC OUTREACH (IPERPO) PROFESSORIAL CHAIR IN THE INTELLECTUAL PROPERTY RIGHT CELL FOR A PERIOD OF THREE YEARS OR UPTO 68 YEARS OF AGE WHICHEVER IS EARLIER.

Dear Sir,

Kindly refer to your application dated 08.07.2011 for Chair at this Institute.

On the basis of the recommendations of the Award Committee which held discussions with you in its meeting held on 09.04.2012, your Award on the Professorial chair instituted by the Ministry of Human Resources Development, in the area of specialization of Intellectual Property Education, Research Development in the IPR Cell has been approved by the Competent Authority. It is my privilege to send you this letter of offer which will be subject to the following terms and conditions:-

1. Post:

The position of Chair Professor is awarded for a period of three years or upto 68 years of age whichever is earlier.

2. Pay and Allowances:

Your pay will be fixed as per rules plus other allowances, perks etc. as per rules and the guidelines of Professorial Chair in this Institute. In addition, you will be entitled to allowances as admissible from time to time under the Institute rules.

3. Leave:

The Leave Rules of the Institute will be applicable.

4. Residential Accommodation:

We have a residential campus. An employee of the Institute may be allotted an unfurnished house within the campus of the Institute for residential use, if available, subject to such conditions as may be laid down by the Board from time to time. Presently, the licence fee is 10% of the salary, exclusive of allowances, or the standard rent, whichever is less. It will be our endeavour to provide you with residential accommodation at the earliest after you join this Institute. If no accommodation is provided on the Campus, House Rent Allowance is payable as per relevant rules.

***5. Medical Examination:**

A medical certificate from the Medical Board of this Institute about sound health and physical fitness for service in this Institute will be required before joining. Please fill in the prescribed form (attached herewith) and deliver it to Dy. Registrar (Admn.) to arrange the medical examination. However, depending upon the merit of case, permission can be granted by the IITR authorities for joining the Institute prior to submission of a medical fitness certificate.

Further, those who have been working in a Govt. or a Semi Govt. Deptt. and relieved through proper channel to join this Institute are exempted from under going a fresh medical examination at this Institute but are required to produce an attested copy of medical fitness certificate from their previous employer, at the time of joining this Institute.

Contd.....2

9

Character Certificate:

At the time of joining the Institute a Character Certificate from a District Magistrate/previous employer or a responsible person will be required. The prescribed form is enclosed: (Annexure -I). The candidates residing abroad may process a character certificate from the Chairman/Head of the Deptt. in which they are working at present.

7. Termination of service:

During the period of award of Professorial Chair, services are liable to termination with one month's notice in writing given by either side.

8. Medical Attendance and Treatment:

You will be entitled to medical attendance and treatment including reimbursement of medical expenses incurred by you on yourself and your family as is provided for in the Statutes/Medical Attendance Rules.

9. Other Conditions:

- (a) No employee of the Institute can contract plural marriage without the permission of the Board of Governors.
- (b) Every employee of the Institute has to take an oath of allegiance to India and to the Constitution of India as by Law established. The oath will be administered by the Dean of Faculty Affairs.

10. General:

All other terms and conditions of service and rules of discipline and conduct as contained in the Institute Statutes and any other rules framed thereunder or otherwise shall be applicable. You are requested to communicate your acceptance to the offer immediately and report for duty to the Professor and Head, Centre for Transportation Systems as early as possible but not later than **24.5.2012**. Please sign and return the duplicate copy of this letter to the undersigned in token of your acceptance of the offer. Those who are already in Govt. Service are required to produce a relieving order from their employer at the time of joining this Institute. You should come along with your degree, certificate, etc. for verification at the time of joining.

*Items 5 & 6 are not applicable to the persons already in the service of IIT Roorkee.

Yours faithfully,

[Signature]
Dy. REGISTRAR (Admn.)

I accept the offer of appointment under the terms and conditions stated above. I plan to join the Institute on 27.04.2012

Place:

Date:

Copy to:

1. Prof. & Head, Met. & Matls. Engg. Department. Coordinator, IPR Cell.
2. Professor-in-Charge Communications.
3. Dean Finance & Planning.
4. Institute Engineer.
5. Meeting Section.
6. General Section.
7. Personal File.



[Signature]
Signature

**GUIDELINES & PROCEDURE
FOR AWARD OF PROFESSORIAL CHAIR**

1. Award of Professorial Chair is made to honor the individuals on the basis of their academic/Professional achievements and experience. Therefore, the Chair Professor/Associate Professor shall be considered as an award and not a selection.
2. Award of Professorial Chair may be made at two levels, i.e. Professor/Associate Professor, i.e. (name) Chair Professor/(name) Chair Associate Professor. For example, Jaypee Chair Professor, and Jaypee Chair Associate Professor.
3. Professorial Chair can be established in the Institute by organization/Individuals of repute/Alumni/in following three ways:
 - (a) By giving one time endowment of Rs.1.50 Crores (Endowment Category-I)
 - (b) By giving one time endowment of Rs.0.90 Crores (Endowment Category-II). Expenditure on above Chairs (a. & b) shall be made from the interest accrued on the endowment.
 - (c) By giving one time endowment of Rs. 0.45 Crores (Endowment Category III). (Chair shall only be for three years). Expenditure shall be met from the endowment & so after expiry of 3 years period Chair will not exist, unless renewed by a fresh endowment.

Note: These Professorial Chairs may be awarded to any category of eligible applicants, mentioned in the Table depending upon the availability of funds.

4. Professorial Chair may be awarded to individuals as mentioned below:
 - (i) Professor/Associate Professors working in the Institute in a regular cadre and who have been selected through normal selection process.
 - (ii) Outside Professionals on deputation serving in their Organization on pay scales equivalent to Professor/ Associate Professor.

[Signature]
30 MAR 2016



7

- (iii) Retired Professionals/Professors who served their employer prior to retirement in a scale equivalent to Professor.
5. Details of payment (Honorarium+ Contingency) shall be made as given in Table. In addition, Chair Professor shall be entitled to Perks as applicable to the faculty members of the Institute, to be paid for category 4(i) out of MHRD funds, and for remaining categories from the endowment received for the Chair.
6. Contingency may be used for hiring Research Fellows, secretarial services, consumables, travel (other than Conferences) etc.
7. From endowment of the Chair,
- (a) Chair Professor/Chair Associate Professor may attend one national conference per year.
- (b) Chair Professor/Chair Associate Professor may attend one international conference in three years.

This is in addition to MHRD Financial Assistance for Conferences, available to Category 4(i).

8. Award of Chair Professor shall be made normally for 3 years or upto 68 years of age whichever is earlier. However, he/she may also be considered for another tenure of 3 years.
9. Normally, the applicants should be less than 68 years of age, but in the case of outstanding individuals who are physically fit, age limit may be relaxed upto 70 years of age.
10. Award Committee will consist of the following:
- | | |
|---|------------|
| (i) Director | - Chairman |
| (ii) Two Experts from the Panel of Experts approved by BoG/Senate of the Institute for the Chairs in related discipline, or two Professors of the Institute nominated by Chairman of BOG. | - Members |
| (iii) A nominee of the Donor having a Status equivalent to that of Professor, if required as per MoU. | - Member |
- Dean, Faculty Affairs will provide the summary of bio-data of nominees for the consideration of the Award Committee.

30 MAR 2018



- Award committee may also consider offering the award to an individual, whose nomination has not been received.
- 11. Chair Professor/Chair Associate Professor may be assigned by the Director to a relevant department/centre as per objectives of the Chair.
- 12. Nominations will be invited through an advertisement on the Institute's website. Nomination will be accepted from self, donor of the endowment, Head of an Institution/organization, or head of a department of IIT Roorkee. Nominees may or may not be invited for discussions by the Award Committee at its discretion.

[Handwritten signature]

30 MAR 2019



8

Table

Award of Category	Eligible Persons	Source of pay	Honorarium in addition to pay	Number of days	Per diem
4(i)	(a) Professor in the Institute (b) Associate Professor in the Institute	MERD MERD	Rs.10,000/- Rs.22,500/- Rs.15,000/- Rs.15,000/-	1.00 1.00	7.00 5.50
4(ii)	Outside Professor/serving in the pay scales equivalent to (a) Professor	Chair Endowment	Nil	1.00	15.00
4(iii)	(c) Associate Professor Retired Professor/ Professionals who served in the pay scales equivalent to Professor	-do- Chair Endowment	Nil Rs.30,000/- Nil Rs.20,000/-	1.00 1.00	12.00 15.00

NOTES:

- (a) Salary shall be paid as per Institute rules
- (b) For award category 4(i) any liability towards retirement benefits, that may be due to any incumbent from the present organisation, shall be payable to that organisation from the Endowment Fund only.
- (c) In certain existing Chairs where the funds are insufficient, persons under Category 4(i) only may be continued in the award, however Contingency and Perks will not be payable.
- (d) Chair Professor is allowed to undertake consultancy work, and sponsored research. However, in this regard, ITI workers rules for regular faculty/faculty on deputation to IIT/IITJ re-employed faculty, as the case may be, shall be applicable.
- (e) Chair Professor is entitled to leave as applicable to regular faculty/faculty on deputation to IIT/IITJ re-employed faculty as the case may be.

