

अभिशासक परिषद्  
की चौबीसवीं बैठक का कार्यवृत्त

**MINUTES OF THE 24<sup>TH</sup> MEETING OF THE  
BOARD OF GOVERNORS**

**9<sup>TH</sup> MARCH 2009**



भारतीय प्रौद्योगिकी संस्थान रुड़की  
रुड़की - २४७ ६६७ (भारत)

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE  
ROORKEE-247 667 (INDIA)**

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**  
**ROORKEE - 247 667**



**24<sup>TH</sup> MEETING OF THE BOARD OF GOVERNORS**  
**DAY & DATE: MONDAY, THE 9<sup>TH</sup> MARCH 2009**

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**Minutes of the 24<sup>th</sup> Meeting of the Board of Governors held on 9<sup>th</sup> March 2009 at 12.00 Noon at India International Centre, New Delhi.**

The following were present:

- |     |   |                 |
|-----|---|-----------------|
| 1.  | Prof. S.C. Saxena, Director, IIT Roorkee  | in the Chair    |
| 2.  | Shri Prem Kumar, IAS,<br>Principal Secretary (Technical Education)<br>Government of Himachal Pradesh, Simla | Member          |
| 3.  | Dr. Vinod Bhakuni, Lucknow  | Member          |
| 4.  | Shri N.K. Sinha, IAS, Jt. Secretary (DL), GOI, MHRD   | Member          |
| 5.  | Dr. D.V. Singh, New Delhi   | Member          |
| 6.  | Shri Sirajuddin Qureshi, New Delhi  | Member          |
| 7.  | Prof. S.A. Abbasi, Puducherry   | Member          |
| 8.  | Prof. H. O. Gupta, IIT Roorkee  | Member          |
| 9.  | Prof. A.K. Awasthi, IIT Roorkee   | Member          |
| 10. | Prof. H.K. Verma, Dy. Director, IIT Roorkee   | Special Invitee |
| 11. | Prof. D.K. Paul, Dean (Faculty Affairs), IIT Roorkee  | Special Invitee |
| 12. | Lt. Col. (Retd ) A.K. Srivastava, Registrar   | Secretary       |

At the outset, Prof. S.C. Saxena, Director, IIT Roorkee, informed the house that the nomination of new Chairman to the Board of Governors of this Institute is still awaited. Prof. S.C. Saxena, Director of the Institute chaired the meeting of the Board of Governors on the request of the members present under Statute 3(3) (f).

The Director (in the Chair) extended a hearty welcome to the members and special invitees attending the 24<sup>th</sup> meeting of the Board of Governors, before taking up the agenda. The Board of Governors thanked the under mentioned outgoing members and recorded its appreciation for their valuable contribution in the meetings of the Board of Governors: -

1. Shri V.K. Dhawan  
Chairman, Sara Group of Industries  
Corporate Headquarters, 7/1, Pritam Road  
Dehradun - 248 001
2. Shri Raj Kumar, I.A.S.  
Commissioner and Secretary to Govt. of Haryana  
Technical Education Department,  
Haryana Civil Secretariat, Chandigarh

  
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The Board of Governors also welcomed the under mentioned members and solicited their valuable contribution and active participation in its functioning:

**New members:**

1. Dr. Vinod Bhakuni  
Dy. Director & Head  
Molecular & Structural Biology Division  
Central Drug Research Institute  
Chattar Manzil, PO Box 173  
Lucknow-226 001
2. Shri M.P. Gupta  
Director, Technical Education Haryana  
Bays No.7-12, Sector-4  
Panchkula

**Re-nominated**

3. Principal Secretary (Technical Education)  
Government of Himachal Pradesh  
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The agenda was then taken up.

**Item No. 24.1.1: To confirm the minutes of the 22<sup>nd</sup> meeting of the Board of Governors held on 8.11.2008 and 23<sup>rd</sup> meeting of the Board of Governors held on 13.12.2008.**

The minutes of the 22<sup>nd</sup> meeting of the Board of Governors held on 8<sup>th</sup> November 2008 and 23<sup>rd</sup> meeting of the Board of Governors held on 13.12.2008 were confirmed, as circulated.

**Item No.24.1.2: To receive a report of actions taken on the minutes of the 22<sup>nd</sup> Meeting held on 8.11.2008 and 23<sup>rd</sup> Meeting of the Board of Governors held on 13.12. 2008, respectively.**

The actions taken on the minutes of the 22<sup>nd</sup> Meeting held on 8.11.2008 and 23<sup>rd</sup> Meeting held on 13.12.2008, respectively were noted.



**Item No. 24.1.3: To receive a report of the Director on the significant developments/issues since the last meeting of the Board held on 13.12.2008.**

The Board noted the Director's Report placed on table.

**Item No. 24.2.1: To consider the modification/change in Ordinances and Regulations for B.Tech., B.Arch., Integrated Dual Degree and Integrated Master's Programmes as recommended by the Senate.**

**RESOLUTION NO.BG/01/2009: RESOLVED THAT** the modified Ordinances & Regulations for B.Tech., B.Arch., Integrated Dual Degree and Integrated Master's Programmes as appended at **Appendix 'A'** be approved.

**Item No. 24.4.1: To consider the revision of the Pension/ Family pension of the Pensioners/ Family pensioners.**

The Finance Committee had considered the issue vide item No. 20.3. The recommendations of the Finance Committee were placed before the Board of Governors. After discussion, the Board approved the recommendations of the Finance Committee.

**RESOLUTION NO.BG/02/2009: RESOLVED THAT** the adoption of the various orders of the Govt. of India regarding revision of pension/ gratuity/ commutation of pension/ family pension, etc. to the pensioners/ family pensioners of this Institute before 01.01.2006 and after 01.01.2006, communicated by the Govt. of India, Ministry of Human Resource Development, vide letter F.No.10-18/2008-TS.I dated 5<sup>th</sup> March 2009 be approved.

**Item No.24.4.2: To consider the proposal for writing off one LCD Multimedia Projector of Metallurgical & Materials Engineering Department on account of theft of the item.**

The Finance Committee had considered the issue vide item No. 20.4. The recommendations of the Finance Committee were placed before the Board of Governors. After discussion, the Board approved the recommendations of the Finance Committee.

**RESOLUTION NO.BG/03/2009: RESOLVED THAT** the proposal for writing off the LCD Multimedia Projector of the Department of Metallurgical & Materials Engineering on account of theft of the said item, be approved.

**Item No.24.4.3 : To consider the action to be taken on the charges levelled against Dr. Satyendra Mittal, Associate Professor in the Department of Civil Engineering, regarding violation of Conduct Rule 3(1)..**

**RESOLUTION NO.BG/04/2009:** The Board considered the reply dated 19.2.2009 of Dr Satyendra Mittal, as is required under the Rule 15 (2) of the Central Civil Services (Classification, Control and Appeal) Rules, 1965. The Board observed that the Report of the Enquiry Committee, wherein the five charges levelled against Dr. Satyendra Mittal had been established by the Enquiry Committee, was accepted by the Board in the 23<sup>rd</sup> Meeting of the Board held on 13<sup>th</sup> December 2008. It was established that Dr. Satyendra Mittal had filled in wrong information in his application form dated 20<sup>th</sup> June 2005 for the post of Associate Professor. Thus, he willfully violated Conduct Rule 3(1): "Every employee shall, at all times, maintain absolute integrity and devotion to duty and also be strictly honest and impartial in his official and administrative dealings". Since Dr Satyendra Mittal has accepted his misconduct, and has sought pardon vide his letter dated 19<sup>th</sup> February 2009, the Board **RESOLVED** that under the provision of Rule 11(vi) of the Central Civil Services (Classification, Control and Appeal) Rules 1965, Dr. Satyendra Mittal be reduced to the lower post of Assistant Professor w.e.f. 11.5.2006, the date on which he was appointed an Associate Professor. As a consequence of that, the excess salary paid to him (the difference between the emoluments actually drawn by him as Associate Professor and those that he would have been entitled to as an Assistant Professor), be recovered from the salary of Dr. Satyendra Mittal with effect from 11<sup>th</sup> May 2006. The penalty of reduction to the lower post of Assistant Professor shall be a bar to Dr. Satyendra Mittal's future consideration for fresh appointment on a higher post, for a period of four years, with effect from 11<sup>th</sup> May 2006, against his future application, if any.



**Item No. 24.4.4: To consider the Budget proposals of the Institute for the Financial year 2009-10.**

The Finance Committee had considered the issue vide item No. 20.5. The recommendations of the Finance Committee were placed before the Board of Governors. After discussion, the Board approved the recommendations of the Finance Committee.

**RESOLUTION NO.BG/05/2009: RESOLVED THAT** the under mentioned Budget proposals of the Institute for the financial year 2009-10 be approved.

1. Budget Estimates for Non Plan Grant 2009 -10.
2. Budget Estimates for Plan Grant (Normal Grant).
3. Budget Estimates for Plan Grant (OBC).

The detailed Budget proposals of the Institute are given at **Appendix 'B'**.

**Item No. 24.4.5: To consider the revision of the fixed monthly emoluments for the 'Y' Pool Workers w.e.f. 1<sup>st</sup> April 2009.**

The Finance Committee had considered the issue vide item No. 20.6. The recommendations of the Finance Committee were placed before the Board of Governors. After discussion, the Board approved the recommendations of the Finance Committee.

**RESOLUTION NO.BG/06/2009: RESOLVED THAT** the revision of the fixed monthly emoluments for the 'Y' Pool Workers be approved w.e.f. 1<sup>st</sup> April 2009, as per the details given at **Appendix 'C'**. Further resolved that the annual increase in the total monthly emoluments of these workers will be Rs. 130/-, Rs. 200/- and Rs. 260/- for Y-1, Y-2 and Y-3 categories, respectively.

**Item No. 24.4.6: To consider the revision of consolidated monthly fixed emoluments of Junior Engineers, Technical Assistants and Junior Laboratory Assistants working on contract positions.**

The Finance Committee had considered the issue vide item No. 20.7. The recommendations of the



Finance Committee were placed before the Board of Governors. After discussion, the Board approved the recommendations of the Finance Committee.

**RESOLUTION NO.BG/07/2009: RESOLVED THAT** the revision of consolidated monthly fixed emoluments of Junior Engineers, Technical Assistants and Junior Laboratory Assistants working on contract positions, be approved as under:

SL. No.	Name of Post	Revised consolidated monthly emoluments
1.	Technical Assistants (TAs)	Rs.13,000/-
2.	Junior Engineers (JEs)	Rs.13,000/-
3.	Junior Laboratory Assistants (JLAs)	Rs.7,800/-

Further resolved that the revised consolidated monthly emoluments will be effective from 1<sup>st</sup> April 2009.

**Item No. 24.4.7 : To consider the re-designation of the existing position of Public Relation Officer into the Dy. Registrar.**

**RESOLUTION NO.BG/08/2009: RESOLVED THAT** the issue be recommended to the Ministry of Human Resource Development, Govt. of India for favourable consideration in view of the urgent need of having more Dy. Registrars in the Institute and of the fact that the two posts are in identical scales of pay.

**Item No.24.5.1: To report the decisions/actions taken by the Chairman, Board of Governors, on behalf of the Board of Governors.**

The Board ratified the approvals accorded by the Director under Statute 9(18).

**RESOLUTION NO.BG/09/2009: RESOLVED THAT** the approvals accorded by the Director under Statute 9(18), in the matters listed below, are ratified:

- (a) Signing of MoU between Vali-e-Asr University, Rafsanjan (VAUR), Iran and the Indian Institute of Technology Roorkee ( **Refer Appendix 'D'**).
- (b) Resignation of Dr. Manas Kamal Bhuyan from the post of Assistant Professor (on contract), Electrical Engineering Department w.e.f. 22.12.2008.
- (c) Enhancement in the emoluments of three Medical Officers (on contract) as mentioned below:
- (i) Dr. (Mrs.) Manjul Mohan - Rs.25,000/-
  - (ii) Dr. (Mrs) Chetna Tiwari - Rs.23,000/-
  - (iii) Dr. Manoj Kumar Jain - Rs.25,000/-
- (d) Recommendations of the Standing Committee held on 12.11.2008 for the post of Assistant Professor (on contract) in the Department of Paper Technology – Saharanpur Campus.
- (e) Resignation of Dr. Kausik Deb from the post of Assistant Professor (on contract), Civil Engineering Department w.e.f. 22.12.2008.
- (f) Resignation of Dr. J.S. Saini from the post of Emeritus Fellow, Department of Mechanical & Industrial Engineering w.e.f. 08.01.2009.
- (g) Request of Dr. Praveen Kulshrestha for relieving him from the post of Assistant Professor, Department of Humanities & Social Sciences w.e.f. 08.01.2009 to join in the Department of Humanities & Social Sciences at IIT-Kanpur as Associate Professor on retaining lien with IIT-Roorkee for a period of eleven months fourteen days w.e.f. 9.01.2009 to 22.12.2009.
- (h) Extension of the contractual appointment of Dr. A.J. Mishra as Lecturer (on contract) in the Department of Humanities & Social Sciences for a period of one more year w.e.f. 10.2.2009 to 9.2.2009.
- (i) Extension of the appointment of Dr. (Mrs) Ila Gupta as Joint Faculty in the Department of Humanities & Social Sciences for a period of three years w.e.f. 12.01.2009.



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- (j) Recommendations of the Award Committee to award the HUDCO Chair position of Associate Professor in the pay scale of Rs. 16400-450-20000 held on 15.12.2008 to Mr. Rajiv Sharma for a period of one year or upto 31<sup>st</sup> March 2010 which ever is earlier.
- (k) Recommendations of the Award Committee to award the NEEPO Chair position of Professor in the pay scale of Rs. 18400-500-22400 held on 16.12.2008 to Dr. Sharad Kumar Jain for a period of three years.
- (l) Recommendations of the Selection Committee for Direct Recruitment to the post of Security Officer (Regular) in the pay scale of Rs.8000-275-13500 held on 20.01.2009.
- (m) Recommendations of the Selection Committee for the posts of Medical Officer ( 02 Regular & 02 on contract)) in the pay scale of Rs. 8000-275-13500 held on 16.01.2009.
- (n) Extension of the contractual appointment of Mr. Gaurav Raheja as Lecturer (on contract) in the Department of Architecture & Planning for a period of one more year w.e.f. 30.1.2009 to 29.1.2010.
- (o) Recommendations of the Award Committee to award the Dynamics of Rail Vehicle Systems Chair position of Professor in the pay scale of Rs. 18400-500-22400 held on 13.2.2009 to Dr. S.C. Jain, Professor, MIED for a period of three years.
- (p) Recommendations of the Award Committee to award Pt. Govind Ballabh Pant Professorial Chair for position of Professor in the pay scale of Rs. 18400-500-22400 held on 17.12.2008 to Dr. Indra Mani Mishra for a period of three years.



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**Item No. 24.5.2: To report certain matters for the Information of the Board of Governors.**

**RESOLUTION NO.BG/10/2009: RESOLVED THAT** the matters, as listed below, were noted and record.

- (a) Minutes of the 19<sup>th</sup> Meeting of the Finance Committee of the Institute held on 13<sup>th</sup> December 2008.
- (b) The Additional Secretary, Ministry of Human Resource Development, Govt. of India vide his D.O. No.22-19/06-TS I(Pt) dated 2<sup>nd</sup> February 2009 informed that the Site Identification Committee, constituted by the Department of Higher Education, MHRD, to assess the suitability of land for establishment of an IIT in Himachal Pradesh visited the site on 16.10.2008, and recommended the site suggested by the State Government near Mandi. The Competent Authority in MHRD has approved the recommendations of the Site Identification Committee subject to the following conditions:
  - (i) The entire approximately 530 acres of land must be made available in a contiguous manner. The lands belonging to various Departments, including Animal Husbandry, must be transferred to the IIT.
  - (ii) The approach road to the site should be fully broadened (at least two-lanes) by the State Government at its own cost in a time-bound manner.
  - (iii) About 100 acres of land be made available in addition near Mandi town for residential accommodation of faculty members.

In addition of the above, it was also informed that till a regular Director for IIT Himachal Pradesh is appointed, Prof. S.C. Saxena, Director, IIT Roorkee will be the Acting Director and IIT Rorkee will be the mentoring IIT.



- (c) The MHRD vide order F.No. 22-19/2006-TS.I dated 3<sup>rd</sup> February 2009 intimated that the Competent Authority has accorded approval for creation of the following posts in respect of two Indian Institutes of Technology (IITs) for the States of Himachal Pradesh and Madhya Pradesh (Indore) with immediate effect:

**Administrative post:**

Name of the post	Scale of pay(pre-revised)	No. of post
Director	Rs.26,000/- (fixed)	01
Registrar	Rs.16400-450-20900-500-22400	01

**Faculty Post:**

Name of the post	Scale of pay (pre-revised)	No. of posts			Total
		1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year	
Professor	Rs.18400-500-22400	5	5	5	15
Associate Professor	Rs.16400-450-20000	10	10	10	30
Assistant Professor	Rs.12000-420-18300	15	15	15	45
	<b>Total</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>90</b>

**(d) The following faculty members were appointed:**

Sl. No	Name	Department	Date of joining
<b>Assistant Professor</b>			
1.	Dr. Anand Bulusu (on Contract)	Electronics & Computer Engineering	08.12.2008
2.	Dr. (Mrs) Madhu Jain (Regular)	Mathematics	31.12.2008
3.	Dr. (Ms) Millie Pant (on Contract)	Paper Technology Saharanpur Campus	01.01.2009
4.	Dr. Rajan Arora (on Contract)	Paper Technology Saharanpur Campus	01.01.2009

  
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- (e) The following Faculty Members and other staff have superannuated/ resigned:

Sl. No.	Name	Designation	Department	Date of superannuated/ Resigned
1	Dr. Manas Kamal Bhuyan	Assistant Professor (on contract)	Electrical Engineering	22.12.2008 (Resigned)
2	Dr. Kousik Deb	Assistant Professor (on contract)	Civil Engineering	26.12.2008 (Resigned)
3	Dr. Kailas L Wasewar	Assistant Professor	Chemical Engineering	29.12.2008 (Technical Resignation)
4	Dr. J.S. Saini	Emeritus Fellow	Mechanical & Industrial	08.01.2009 (Resigned)

- (f) The following Faculty members and other staff have been brought on regular cadre:

Sl. No.	Name	Designation	Department	Date on Which brought on Regular Cadre
1.	Dr. V. Ravikant	Assistant Professor	Institute Instrumentation Centre	01.10.2008.
2	Dr. Naveen Kumar	Assistant Professor	Biotechnology	26.10.2008
3.	Dr. J.L. Pruseth	Assistant Professor	Institute Instrumentation Centre	05.11.2008
4.	Dr. S.K. Ghosh	Professor	Civil Engineering	19.12.2008
5.	Dr. Praveen Kumar	Professor	Civil Engineering	19.12.2008
6.	Dr. Manoranjan Parida	Professor	Civil Engineering	19.12.2008
7.	Dr. Manoj K Arora	Professor	Civil Engineering	19.12.2008
8.	Dr. N.K. Samadhiya	Professor	Civil Engineering	19.12.2008
9.	Dr. Mahendra Singh	Professor	Civil Engineering	19.12.2008

- (g) Appointment of Prof. Subrata Ray, Department of Metallurgical & Materials Engineering as the Coordinator of the IIT Himachal Pradesh Cell.

**(h) Noted that the-**

1. IIT Roorkee is the mentor IIT for Indian Institute of Technology Himachal Pradesh and the Chairman BOG IIT Roorkee has been appointed also as the Chairman, Indian Institute of Technology Himachal Pradesh and the Director, IIT Roorkee has been appointed also as the Director of Indian Institute of Technology Himachal Pradesh.
2. The Director Indian Institute of Technology Roorkee and Director Indian Institute of Technology Himachal Pradesh has approved setting up of the I.I.T. Himachal Pradesh (IITHP) Cell at the IIT Roorkee Campus to plan, coordinate, implement and operate all activities of Indian Institute of Technology Himachal Pradesh with immediate effect. The IITHP Cell will remain functional till IIT Roorkee continues to act as the mentor to Indian Institute of Technology Himachal Pradesh.
3. There will be admissions in 3 branches namely Electrical Engineering, Mechanical Engineering and Computer Science & Engineering with 40 intake in each branch in the academic session 2009-10.
4. The activities of the Indian Institute of Technology Himachal Pradesh Cell shall be managed by the Coordinator, Conveners, other members which will include faculty, officers and staff of IIT Roorkee and also some others appointed for the Cell. The Cell will work under the direct supervision and control of Director IIT Roorkee who is also the Director of Indian Institute of Technology Himachal Pradesh.



5. The Deputy Director, Deans, Associate Deans, Professor-in-Charge, Registrar and other officials (as per need) of IIT Roorkee shall also be the respective functionaries for Indian Institute of Technology Himachal Pradesh, till independent administrative structure of Indian Institute of Technology Himachal Pradesh comes in place.
6. All statutory bodies like BOG, FC, Senate, B&WC, etc. of IIT Roorkee will also be the respective bodies for Indian Institute of Technology Himachal Pradesh.
7. The Indian Institute of Technology Himachal Pradesh Cell will ensure smooth coordination and implementation of all activities of Indian Institute of Technology Himachal Pradesh as per Statutes, Ordinances, rules, regulations, procedures of the IIT Roorkee, which have been so adopted for the purpose.

The meeting ended with a vote of thanks to the Chair.

  
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**ORDINANCES AND REGULATIONS FOR  
UNDERGRADUATE, INTEGRATED DUAL DEGREE, INTEGRATED M.TECH. AND  
INTEGRATED M.SC. PROGRAMMES**


**Preamble**

Indian Institute of Technology Roorkee, Roorkee, inherits the legacy of excellence in Undergraduate teaching of the erstwhile University of Roorkee as evident from its illustrious alumni and their engineering feats like Aswan to Bhakra-Nangal dam across the world, standing as testimonies of their capabilities and excellence. The aim of the education at the undergraduate level is to build on the knowledge gained by an undergraduate student through the school curriculum by imparting knowledge with the help of classroom instructions, training and other modes of teaching. After completing the curriculum, the student will acquire adequate knowledge base in the desired branch, which could be easily employed for the solution of real life problems and developed further through higher education, for reaching the frontiers of knowledge in his/her area of specialization. The institute also imparts knowledge to students in the emerging areas of science and technology and has started several five-year Integrated Dual Degree programmes in engineering and five-year Integrated M.Tech and M.Sc. programmes in sciences. The aim of these courses is to catalyze and develop the research potential of the students.

The undergraduate and postgraduate programmes have both academic and extracurricular components designed for the integrated development of professionals possessing individual values of ethics and morality. Many of the students after completing their programmes start working in different organizations where teamwork is the predominant mode of functioning. Ethics and discipline are of paramount importance and without these values teamwork is impossible.

In these days of rapid evolution of knowledge, the academic programmes require provision for continuous updating of the content to incorporate new developments in a particular area of knowledge. The curriculum is, therefore, broadly defined to make it possible for the teacher to update it continuously by including the latest developments. In addition, the institute undertakes periodic review of the curricular structure to prune the dead wood and incorporate new ingredients, which may become necessary in the changed context of a branch of study. Exchange of knowledge and methodology across the disciplines is important in furthering its frontiers. In keeping with this spirit, the curriculum encourages students to learn across different branches. In different programmes in engineering and sciences, apart from the inputs of social sciences and management, biotechnology and environmental sciences have also been introduced since many novel ideas from these areas are being borrowed in engineering and sciences. The curriculum at the undergraduate and postgraduate level has been so structured that it offers enough flexibility to the students to tailor their learning to individual inclinations and the desired career objectives.

The curriculum in a given branch at the undergraduate level and postgraduate level includes academic programmes involving ingredients of classroom teaching, laboratory practices, training, seminar and project. These ingredients are specified in terms of courses with a given code specifying the subject(s) to be taught under them. Every course has credits depending on the workload it involves. A student is continuously evaluated during the conduct of a course and is awarded a letter grade on the basis of his



**ORDINANCES FOR THE  
UNDERGRADUATE (UG), INTEGRATED DUAL-DEGREE (IDD),  
INTEGRATED M.TECH. AND INTEGRATED M.SC. (IMD) PROGRAMMES**

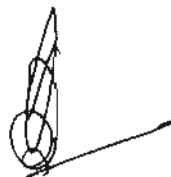
**1. Short Title & Commencement**

- (i) These ordinances shall be called the Ordinances for the four year Undergraduate, five year Integrated Masters and the five year Integrated Dual-Degree Programmes of the Indian Institute of Technology, Roorkee;
- (ii) These ordinances shall come into force with effect from such date as the Senate/Board may appoint in this behalf.

**2. Definitions**

Unless the context requires otherwise,

- (i) **"Applicant"** shall mean an individual who applies for admission to any undergraduate (UG) or Integrated dual-degree (IDD) or Integrated Masters degree (IMD) programme of the Institute;
- (ii) **"Board"** shall mean the Board of Governors of the Institute;
- (iii) **"BoS"** shall mean the Board of Studies of the Institute;
- (iv) **"CAC"** shall mean the an Centre's Academic Committee;
- (v) **"Casual Student"** shall mean a student who is registered for a degree in a recognized Institution/ University in India or abroad and is officially sponsored by his parent institute to avail laboratory and other academic facilities or for attending a formal set of courses;
- (vi) **"CGPA"** shall mean the cumulative grade point average of a student;
- (vii) **"Coordination Committee"** shall mean the committee of the faculty members involved in a course;
- (viii) **"Council"** shall mean the Council of the Indian Institutes of Technology;
- (ix) **"Course"** shall mean a curricular component identified by a designated code number and a title;
- (x) **"Course Coordinator"** shall mean a faculty member who shall have full responsibility for the course, coordinating the work of other faculty member(s) involved in that course, including examinations and the award of grades;
- (xi) **"CRC"** shall mean Centre's Research Committee;
- (xii) **"Degree"** shall mean the Bachelor's degree viz. B.Tech., or the Integrated Master's degree viz M.Sc. or M.Tech., or the Integrated dual-degrees viz. B. Tech. and M.Tech./M.B.A., and such other degrees of the Institute as may be approved by the Board from time to time;
- (xiii) **"Direct Admission Student"** shall mean the student who is admitted directly from abroad and, not through JEE, and registered for undergraduate, or Integrated Master's or Integrated dual-degree programmes for full time study;
- (xiv) **"DRC"** shall mean the Departmental Research Committee of a Department;
- (xv) **"DAC"** shall mean the Departmental Academic Committee of a Department;
- (xvi) **"DAS"** shall mean the Dean, Academic Studies;





### 3. Ordinances

- (1) The Institute shall offer such UG, IMD and IDD programmes and of such minimum duration as the Board may approve on the recommendation of the Senate either on its own or on the initiative of a Department/Academic Centre, and/or on the direction of the Board/Council/ Government of India.

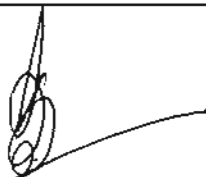
Provided that the Board of Studies (BoS) shall recommend all such programmes.

Provided further that an interdisciplinary programme may be proposed by a Department/an Academic Centre or by a committee appointed by the Director for the consideration of the BoS, the Senate and the Board;

- (2) The procedure for starting a new programme, temporarily suspending a programme or phasing out a programme shall be such as may be laid down in the regulations.
- (3) The minimum entry qualifications and the policy and procedure of admission to UG, IMD and IDD programmes shall be such as may be specified by the JAB/Council/Government of India and/or laid down in the regulations.
- (4) An UG or an IMD or an IDD student shall be required to earn a minimum number of credits through various curricular components like teaching/laboratory courses, seminar, project etc. at the Institute or at such other Institutions as have been approved by the Institute. For an IMD or an IDD student, the dissertation, project and other similarly designated academic activities shall have to be undertaken under the guidance of a supervisor(s) from the Institute.

Provided that an IMD or an IDD student may be permitted by the DAC/CAC to carry out in full or part of his dissertation outside the Institute. In such cases, an additional supervisor, from outside Organization/ Institute, if considered necessary, may be appointed by the DAC/CAC on the recommendation of the supervisor from the Institute;

- (5) An Undergraduate or an IMD or an IDD student shall be required to complete all the requirements for the award of the Bachelor's degree or the Integrated Master's Degree, viz M.Sc. or M.Tech. or the Integrated Dual Degrees, viz. B. Tech. in parent discipline and M.Tech in a specialized sub-discipline of the parent discipline or M.B.A., as the case may be, within such period as may be specified in the regulations, including those credits earned at such other institutions as have been recognized by the Institute for this purpose;
- (6) The date of initial registration for the UG or IMD or IDD programmes shall normally be the date on which the student formally registers for the first time. This date shall be construed as the date of joining the programmes for all intents and purposes.
- (7) A student shall be required normally to attend every lecture, tutorial and practical class. However, for late registration, sickness or other such exigencies, absence may be allowed as provided for in the regulations.
- (8) An UG or IMD or IDD student may be granted such scholarship / studentship / assistantship / stipend, etc. and awarded such prizes and medals as may be specified in the regulations in accordance with the directions of the Government of India and/or the decision of the Council/ Board from time to time.
- (9) The procedure for the admission of a student or a direct admission student to an UG or IMD or IDD programme shall be such as may be decided by the Joint



**REGULATIONS FOR THE UNDERGRADUATE, INTEGRATED MASTER'S DEGREE  
AND INTEGRATED DUAL DEGREE PROGRAMMES\***

**1. Short Title Commencement**

- (1) These regulations shall be called the regulations for the UG, IMD and the IDD programmes of the Institute;
- (2) These regulations shall come into force on such date as the Director may appoint in this behalf.

**2.(a) Undergraduate Programmes**

- (1) The Institute may offer such Undergraduate programmes leading to Bachelor's Degree in Technology, B.Tech., and Bachelor's Degree in Architecture, B. Arch. as may be approved by the Senate and the Board;
- (2) The list of currently offered UG programmes and the broad course structure are given in Table-1(a) and -Table-2(a) of Appendix-A respectively. The structure and programme may be amended/modified in accordance with the decisions of the Senate and the Board;
- (3) The duration of UG programmes leading to degrees of B. Tech. and B. Arch. are normally four and five years, respectively. However, the maximum duration for the UG programme is six years for the degree of B. Tech and seven years for the degree of B. Arch. from the date of initial registration. The maximum duration of the programme includes the period of withdrawal, absence and different kinds of leaves permissible to a student, but it shall exclude the period of rustication. The duration for the UG programme may be altered in accordance with the decision of the Board/Council/Government of India.

**2.(b) Integrated Dual-Degree Programmes**

- (1) The Institute may offer such five-year IDD programmes leading to Bachelor's degree in Technology, i.e. B. Tech., in a parent discipline and Master's degree in Technology, i.e., M. Tech. in a specialization of the parent discipline or M.B.A., as may be approved by the Senate and the Board;
- (2) The list of currently offered IDD programmes and the broad course structure are given in Table-1(b) and Table-2(b) of Appendix-A, respectively. The structure and programmes may be amended/modified in accordance with the decisions of the Senate and the Board;
- (3) The duration of an IDD programme leading to dual-degrees of B. Tech. and M. Tech. /M.B.A. is normally five years and the maximum duration is seven years from the date of initial registration. The maximum duration of the programme includes the period of withdrawal, absence and different kinds of leave permissible to a student but it shall exclude the period of rustication. The duration for the IDD programme may be altered in accordance with the decision of the Board/ Council/ Government of India.



be appointed by the Director in consultation with the Dean, Academic Studies and the Heads of the concerned Departments/Centres to look after all the administrative and academic matters related to the interdisciplinary programme. The Programme Coordinator shall exercise the functions of the Head of a Department/Chairman, DAC for such a programme.

The DFB/CFB shall be responsible for considering all the policy issues concerning academic and research programmes of the Department/ Academic Centre. The DFB/CFB shall formulate academic programmes and courses as recommended by the DAC/CAC and DRC/CRC to it and send its recommendation to the Dean, Academic Studies for his consideration and necessary action.

#### **5. Departmental Academic Committee (DAC)**

The Departmental Academic Committee (DAC) shall be constituted by the DFB/CFB/PFB to look after all academic matters pertaining to the Undergraduate Programme(s), Integrated Dual-Degree Programme(s) and Integrated Master's Programme(s) offered by the Department/Centre.

Where DAC does not exist, the functions of the DAC and its Chairman shall be performed by the Head of the Department/Centre in consultation with a Committee proposed by him and approved by the Dean, Academic Studies, for this purpose, if necessary.

#### **6. Phasing Out of a Programme**

The phasing out of any UG, IDD and IMD programme may be considered by the Senate on the recommendation of a DFB/CFB/PFB and the Boards. Also, a programme may be phased out by the Senate on the recommendation of the BoS if, consecutively for three years, the number of students registering for the programme is less than 40% of the sanctioned intake of the students.

#### **7. Starting a New Programme**

- (1) The Board may approve the starting of a new programme or a modified programme in lieu of the old phased-out programme on the recommendation of the DFB/CFB/PFB, the Board of Studies and the Senate.
- (2) A new programme may be considered and recommended by the Senate to the Board for its consideration and approval. Such a proposal will be initiated by a Department/ Academic Centre through its DFB/CFB/PFB and considered and recommended by the BoS.
- (3) An interdisciplinary programme may be proposed by a Department /Academic Centre in consultation with other participating Department(s)/ Academic Centre(s), or by a group of Department(s) /Academic Centre(s), or by a Committee appointed by the Director for the consideration of the BOS and the Senate for their recommendation to the Board of Governors for obtaining its approval.

*B.Arch. program in 2007-08 and 2008-09 are also eligible for change of branch)*

- (3) While making the change of branch/programme of a student the strength of a class should not fall below the existing strength by more than 10% and should not exceed the sanctioned intake by more than 5%. For this purpose the strength refers to the total strength of the students in the class of a given branch/programme excluding the direct admissions and failures:  
Provided that a student of general or OBC category shall not be allowed the change of branch/programme against the vacant seats of SC/ST category.
- (4) A student, who has secured a rank within the top 1% and satisfies the criteria for eligibility of change of branch/programme, shall be allowed change of branch/programme to his/ her choice without any constraint if he/she applies for it. The remaining eligible applicants shall be allowed change of branch/programme strictly on the basis of inter-se-merit as reflected in their CGPA. In case the CGPA of more than one student seeking the change of branch/programme is the same, their inter-se-merit shall be decided on the basis of their ranks in JEE.
- (5) If a student of higher CGPA is not offered a particular branch/programme because of other constraints, this will not be offered to any other student with a lower CGPA even if he/she is eligible for change of branch/programme on the basis of regulations in sub-sections 11(2) to 11(4).

#### **12. Academic Registration**

- (1) Every student shall register in each semester on the scheduled date as per academic calendar till the completion of the degree.
- (2) Late registration may be allowed only upto a maximum of 10 days after the scheduled registration date. Registration in absentia may be permitted to be decided by the Dean, Academic Studies.

#### **13. Programme Advisor**

A Programme Advisor shall be appointed for each programme by the Head of the Department/Centre on the recommendation of DAC/CAC who will be responsible for advising the students for registration.

#### **14. Course Coordinator**

Every course offered by a Department/ Academic Center shall be coordinated by a Course Coordinator appointed by the Head of the Department/Centre on the recommendation of DAC/CAC. The Course Coordinator shall have full responsibility for the course. He shall coordinate the work of other faculty member(s) involved in that course in respect of their participation in various activities related to the course including continuous evaluation of the students through tests, quizzes, assignments, mid-term and end-term examinations and the award of the grades.

#### **15. First Year Class Coordinator**

The courses in the first year shall be coordinated by a First Year Class





registration.


- (5) Those students who are joining the first year of the UG or IDD or IMD programme shall complete the registration procedure on a specified registration date as per academic calendar.
- (6) Under special circumstances, the students may be allowed late registration by the Dean, Academic studies till a specified date, by paying a late fee of Rs.1000.00, along with other necessary fees.
- (7) A student may register for a minimum of 15 credits and a maximum of 24 credits. But on the recommendation of the department/centre, Dean, Academic Studies, may allow a student to register for a maximum of 28 credits in not more than two semesters during the entire programme for fulfilling the requirements of minimum earned credits. However, the credits for NCC/ NSS/NSO/Rangering, proficiency and discipline shall not be counted for this purpose.
- (8) A student shall have the option to add or delete courses from his/her registration during the first ten days of the semester.
- (9) Before the commencement of classes and at the time of registration, Academic Section shall give each student a registration record which shall be the official record of the courses registered; Any change like adding or dropping a course will be marked on this registration record by the student countersigned by the Chairman, Departmental Academic Committee.
- (10) At the time of completing the registration form or any subsequent change in the registration, every student shall consult his/her Programme Advisor, who shall be appointed by the Chairman, Departmental Academic Committee of a department/centre. The Programme Advisor shall advise the student in regard to the minimum and the maximum numbers of total and lecture credits to be registered for in the context of his/her past performance, backlog of courses, SGPA/CGPA and individual interest.

#### **19. Minimum Students Requirement for an Elective Course**

An elective course in a Department/ Academic Centre shall run only if a minimum of ten students register for it in a regular semester. However, under special circumstances a course may run with a fewer students too with prior permission of the Chairman, Senate.

#### **20. Course Codes**

Each course offered by the institute shall be identified by a course code, normally consisting of a string of six alphanumeric characters followed by a course title. The first two characters in a course code shall be capital letters identifying the responsible Department/ Academic Centre offering /Coordinating the course. The next three characters are numerical digits: the first one normally specifies the year of study and the last two digits specify the course number and the semester in which the course shall be offered. Normally, odd number in the course code will indicate that the course will be offered in the Autumn semester and the even number will indicate that the course will be offered in the Spring semester of the year. For all the UG, IDD, and Master's programmes, 100 series shall be for the courses in first year, 200 for the courses in the second year and





- (7) The duly evaluated answer books be returned (Mid Term Examination -I & Mid Term Examination -II), within a week from the date of the test.
- (8) HODs to ensure that End Term Examination answer books are shown to the students before the day of moderation, on a date to be specified and prominently displayed by the respective teachers. Further, the answer books be preserved by the concerned teacher for six months, before handing over to departmental stock for disposal.
- (9) The answer script of the End-Term Examination shall not be shown to a student after finalization of the grades by the Grade Moderation Committee.
- (10) The practical/field training shall normally be evaluated through the quality of work carried out, the report submission and presentation(s) but the project shall be evaluated normally by mid-term seminar (s), quality of work carried out, project report submission and the viva-voce examinations.
- (11) The evaluation of performance in the Summer Term will follow the standards followed previously when the course was offered last during a regular semester. The record copy of that evaluation including the statistical parameters will be provided to the Course Coordinator by the Chairman, Department Academic Committee or the First Year Class Coordinator as the case may be.

### **23. Grading System**

- (1) The academic performance of a student shall be graded on a ten-point scale. The letter grades and their equivalent grade points are listed in Table-3 of Appendix-B. The general guidelines for award of grades in different courses are given in Appendix-C.
- (2) The letter grades awarded to a student in all the courses (except audit courses) shall be converted into a semester and cumulative performance index called the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA), to be calculated by following the procedures given in Appendix -D.

### **24. Courses of Special Nature**

The UG, IDD and IMD programmes may contain the following courses of special nature in different curricula some of which are already indicated in section 21(c) of these regulations;

#### **(1) NCC/NSS/NSO/ Ranging**

Every student shall register for the specified number of credits in the first year, for participation in the NCC / NSS / NSO / Ranging for the overall development of his/ her personality. Students shall be admitted to NCC/ NSS/ NSO/ Ranging on the basis of their preference and by virtue of their aptitude and abilities as decided by a committee constituted by DOSW. The student shall be continually evaluated for his/her participation and awarded grade following the procedures specified. There shall be at least 80 hours of engagement in an academic year and the attendance regulations for the courses shall apply. This requirement shall be completed in the first year. If, however, a student is not able to complete this requirement in the first year, he/she shall complete it by the end

course evaluation process will not be diluted. The guidelines for the allocation and evaluation of self-study course are given in Appendix-E3.

**(8) Audit Course**

A student of an UG/IDD/IMD programme may register to audit some courses within prescribed limits as advised by the Programme Advisor. The guidelines for the grant of audit course and award of grades are given in Appendix-E4.

**(9) Major Project**

Each UG programme shall contain a 8 credit major project as a component of the departmental core course, generally offered in the fourth year of the programme. The procedure for the conduct and evaluation of major project is given in Appendix-E5.

**(10) Research Project**

Each IDD programme shall contain a research project of 4 credits as a component of the Departmental / Centre's core course.

**(11) Dissertation**

Every student of five year IDD (B.Tech. & M.Tech) and Integrated M.Tech. and Integrated M.Sc. programmes shall have to work on a Dissertation. The Dissertation topic shall be allotted to a student at the end of the Spring Semester examination of fourth year. The Dissertation work involves in-depth study and critical-review of the topic and the creation of new knowledge in the area-either through development of new techniques, instruments, experimental facility and new experimental findings and/or theoretical and fundamental insight or by reinterpretation of the existing facts to propound a new theory.

**(12) Discipline**

Every student shall have to undertake 2 credits of discipline in each of the first 3 years of the programme, totaling to 6 credits, for the requirements of the B. Tech., B.Arch. Degree, IDD and IMD. The student shall be continuously evaluated for discipline during his/her entire period of enrolment. The grades earned by a student in discipline shall be accounted for as earned.

**25. Grade Moderation Committee**

- (1) The DAC shall appoint a Grade Moderation Committee for all the Academic Courses under its purview. This committee shall be responsible for adherence to the guidelines for the award of grades and shall include all the concerned Course Coordinators. The Chairman, Grade Moderation Committee shall be responsible for the display of grades in the department and for forwarding the final grades to the Academic Section. The Chairman, Grade Moderation Committee shall also retain the record copies of the marks and the grades along with the statistical parameters for all the courses moderated and hand over a copy of the same to the Chairman, DAC. The general guidelines for the moderation of grades are

for use of unfair means and plagiarism are given in Appendix-G. The constitution of the Standing Committee to look into the cases unfairmeans and plagiarism is given below:

- |  |          |
|--|----------|
| a) Dean, Academic Studies,             | Chairman |
| b) Dean, Research                      | Member   |
| c) Dean of Students Welfare            | Member   |
| d) Head of the concerned<br>Department | Member   |
| e) Three Senate Nominees               | Member   |
- (3) For Project, Class Work Submissions, Mid-Term Examination etc., the Course Coordination Committee may report the matter to the concerned DAC (or CAC) as the case may be. The DAC (or CAC) may, after considering the matter reported to it and after giving an opportunity to the concerned student(s) to explain his/her conduct, impose appropriate penalty, including the award of Grade in the concerned course(s) on the concerned student(s).
- (4) Any case pertaining to purported to resorting to unfair means / plagiarism before and after the examination / class work submission / quizzes / submission of seminar reports / Dissertation / Practicals / Laboratory classes/ Projects, etc shall be dealt with by the appropriate committees/ persons of the concerned Department. In cases of serious nature / grave offence in the opinion of the appropriate departmental committees, viz. course coordination committees, DAC or CAC, the matter shall be referred to the Institute Standing Committee for dealing with the offence/case.

The penalty in such cases of unfair means / plagiarism which have been found to be true and

- (i) which have occurred before or after the examination, or partly before and during or during and after the examination;
- (ii) which have been detected after the examination/declaration of the result/award of the degree;
- (iii) which has been reported or detected after a research paper report/note/communication has been published in a Research Journal widely circulated magazine/ Proceedings of conferences/ seminar or a monograph or a book, and or any electronic device

shall be recommended by the appropriate committees of the department/institute Standing Committee, as the case may be. The imposition of any such penalty shall be at the discretion of the Director, who, after considering the full facts and the report on the matter (i) may impose the same penalty, (ii) may reduce the penalty, or (iii) may enhance the penalty as recommended by the committee.

## **28. Attendance, Absence, Leave and Withdrawals**

- (1) All the students of UG, IDD and IMD programme are expected to be present in every lecture, tutorial, practical or drawing class scheduled for them.
- (2) The students of UG/ IDD/ IMD must have a minimum attendance of seventy five percent of the total number of classes including lectures, tutorials and practicals,



### **30.(a) Withdrawal from a Course**

A student who wants to withdraw from a course shall apply through the Chairman, DAC/DAC, to the Dean, Academic Studies, on a prescribed form within one week from the end of the first Mid Term Examination under the advice of his/her programme Advisor. If his/her request for withdrawal is granted, it will be recorded in the registration record of the student and the concerned Course Coordinator will be informed about it. The student will be awarded a withdrawal grade at the end of the semester.

### **30.(b) Semester Withdrawal**

In case a student is unable to attend classes for more than four weeks in a semester, he/she may apply to the Dean, Academic Studies through Chairman DAC/DAC, for withdrawal from the semester, which shall mean all the registered courses in the semester. However, such application shall be made under the advice of the Programme Advisor, as early as possible and latest before the start of the End Term Examination. Partial withdrawal from the semester shall not be allowed.

### **30.(c) Semester Withdrawal on Medical Grounds**

- (i) In case the period of absence on medical grounds is more than twenty working days during the semester, a student may apply for withdrawal from the semester, if he/she so desires. But, as per provisions of section 30(b) above such an application must be made to the Dean, Academic Studies through chairman DAC/DAC, under the advice of the Programme advisor, as early as possible and latest before the beginning of End Term Examination.
- (ii) Any application on medical grounds shall be accompanied with a medical certificate from Institute Medical Officer. A certificate from a registered medical practitioner containing the registration number may also be accepted in those cases where a student is normally residing off-campus or becomes ill while away from the institute.

### **30.(d) Rustication/ Suspension, Withdrawal from a semester/Year**

A student rusticated from the Institute or suspended or debarred from attending the classes due to any reason whatsoever or having withdrawn from a semester/year on medical grounds, shall have to meet the requirement of 75% attendance in each course in a semester and shall have to complete the programme within its maximum time limit of six year for Four Year UG programmes and seven years for Five Year UG, IDD and IMD Programmes as specified in Regulations.

### **31. Summer Term**

- (1) The student of first and second year UG, IDD and IMD Programmes who have registered but failed to clear Institute core courses in the previous semesters may be allowed to register themselves for such courses in the Summer term during summer vacation following first year and second year of the programme

student for this purpose. This condition will also not be applicable if a student is not allowed to register for the courses of current year in accordance with 18(2). The communication regarding termination of enrolment shall be issued by the Academic Section within fifteen days from the date of declaration of results.

- (b) The enrolment of a student may be terminated on disciplinary grounds, in accordance with the Standing Orders for the students.
- (c) A student whose enrolment has been terminated may appeal to the Director for reconsideration within fifteen days from the date of issuance of the communication of termination and the appeal will be disposed off within fifteen days. If the appeal is allowed, his/her registration and enrolment shall be restored.
- (d) A Student who does not complete the subject registration within the stipulated period be issued a show cause notice immediately after the last date for subject registration is over as to why his name be not struck off the rolls of the Institute and the name struck off within a period of one week if the reply is not found satisfactory.

#### **34. Earned Minimum Credits and Minimum CGPA for the Degree**

- (1) The credits for the courses in which a student has obtained 'D' (minimum passing grade for a course) grade or higher shall be counted as Credit earned by him/her. A student who has a minimum CGPA of 5.0 and earned a minimum number of credits as specified in the UG/IDD/Integrated Master's Degree curriculum he/she is registered for, is eligible for the award of the respective degree.
- (2) A student, who has earned the minimum credits required for a degree but fails to obtain the minimum specified CGPA for this purpose, shall take additional courses till the minimum CGPA is attained within the maximum time limit for different programmes.

#### **35. Transfer of Credits from any other Institute for award of degree**

- (1) Transfer of credits earned by the students from reputed institutions known for high academic standards in India and abroad, which have an MOU with the Institute concerning this aspect, be permitted.
- (2) The students of IIT Roorkee, who have been nominated/recommended by the Chairman, DAC, and approved by Dean, Academic Studies for pursuing study in such other institutions, will only be eligible for such transfer of credits.
- (3) The subject wise study programme for each student and equivalence for transfer of credits based on the syllabi of the course of the host Institution to the Institute will be recommended by the Chairman, DAC on case to case basis, and be approved by the Dean, Academic Studies.
- (4) The credits earned in other institute will be transferred for award of degree.
- (5) The maximum permissible limit for transfer of credits will be 24.
- (6) The subjects and grades earned will be indicated in the consolidate grade sheet/transcripts with the remark that the grades have been awarded by the host





assistantship will be entitled for 30 days leave (including leave on medical grounds) during fifth year of the programme. He/She will not be entitled to mid-semester breaks, and summer and winter vacations;

- (2) The leave will be subject to approval of the concerned Head of the Department/ Academic Centre/Programme Coordinator;
- (3) The Department/Academic Centre /Programme Coordinator concerned shall maintain a proper leave account of each student;

### **38. Casual Student**

A student registered for degree in a recognized Institute/University in India or abroad may be allowed to attend classes and laboratories as a Casual Student, if sponsored officially by the institute/ University where he/she is studying. However, the maximum period for which a casual student will be allowed to avail the facility, shall not exceed six months. The guidelines for Casual Students are defined in Appendix-L.

International students are also allowed to be admitted for short duration in a course. The guidelines for admission of such International students are given in Appendix-M.

### **39. Training of Outside Students**

Outside students (students from other engineering colleges) can take Summer Training at the institute. The guidelines for training of outside students are given in Appendix-N.

### **40. Interpretation of Regulations**

In case of any dispute, difference of opinion in interpretation of these regulations or any other matter not covered in these regulations, the decision of the Chairman, Senate shall be final and binding.

### **41. Emergent Cases**

Notwithstanding anything contained in the above regulations, the Chairman of the Senate may, in emergent situations, take such action including insertion, suspension or modification of any regulation(s) on behalf of the Senate as he deems appropriate and report it to the next meeting of the Senate for its approval.

  
23 MAR 2009

**Table - 1 (c): FIVE YEAR INTEGRATED M.TECH. PROGRAMMES**

Sl. No.	Department	Integrated M. Tech. Programmes
1.	Earth Science	Integrated M.Tech (Geophysical Technology)
2.	Earth Science	Integrated M.Tech (Geological Technology)
3.	Pulp and Paper Technology	Integrated M.Tech. (Polymer Science & Technology)

**Table - 1 (d): FIVE YEAR INTEGRATED M.Sc. PROGRAMMES**

Sl. No.	Department	Integrated M.Sc. Programmes
1.	Physics	Integrated M.Sc. (Physics)
2.	Chemistry	Integrated M.Sc. (Chemistry)
3.	Mathematics	Integrated M.Sc. (Applied Mathematics)

**Table - 2 (a): STRUCTURE OF UNDERGRADUATE PROGRAMMES**

Curricular Components	Credits (B.Tech.)
<b>(a) Institute Core (IC) Courses</b>	
I. Humanities, Social Sciences and Management (HSSMC)	10
II. Basic Sciences (BSC)	21
III. General Sciences (GSC)	06
IV. Engineering Sciences (ESC)	28
<b>Total</b>	<b>65</b>
<b>(b) Department Core Courses (DCC)</b>	
I. Class Contact Core courses	62-65
II. Communication skills	02
III. Major Project	08
IV. Minor Project/ Practical Work/ Case Studies	02
V. Practical/Field Training	02
<b>Total</b>	<b>76-79</b>
<b>(d) Departmental Elective Courses (DEC)</b>	<b>15-18</b>
<b>(e) Institute Elective Courses (IEC)</b>	<b>20-24</b>
<b>(f) Extra-Curricular Activities (ECA)</b>	
I. Discipline (2 Credits/year for 3 years)	06
II. NCC/NSS/NSO (First Year)	02
III. NSO/Proficiency (Second year to Fourth year)	03
<b>Total</b>	<b>11</b>
<b>Grand Total</b>	<b>187-193</b>



**Table - 2 (c) : STRUCTURE OF FIVE YEAR INTEGRATED DUAL DEGREE (IDD)  
(B.TECH. & M. B.A.) PROGRAMMES**

<b>Curricular Components</b>	<b>Credits</b>
<b>(a) Institute Core (IC) Courses</b>	
I. Humanities, Social Sciences and Management (HSSMC)	10
II. Basic Sciences (BSC)	21
III. General Sciences (GSC)	06
IV. Engineering Sciences (ESC)	28
<b>Total</b>	<b>65</b>
<b>(b) Department Core Courses (DCC)</b>	
I. Class Contact Core Courses	60-63
II. Modeling, Simulation and Computer Application	03
III. Communication skills	02
IV. Major Project	04
V. Practical/Field Training	02
<b>Total</b>	<b>73-76</b>
<b>(c) Departmental Elective Courses (DEC)</b>	<b>6-9</b>
<b>(d) Management Core Courses (MCC)</b> (including projects and presentation)	<b>26-29</b>
<b>(e) Management Elective Courses (MEC)</b> In specialization groups	<b>12-15</b>
<b>(f) Institute Elective Courses (IEC)</b>	<b>24-30</b>
<b>(f) Extra-Curricular Activities (ECA)</b>	
I. Discipline (2 Credits/year for 3 years)	06
II. NCC/NSS/NSO (First Year)	02
III. NSO/Proficiency (Second year to Fourth year)	03
<b>Total</b>	<b>11</b>
<b>Grand Total</b>	<b>215-225</b>

**Table - 3: STRUCTURE OF GRADING OF ACADEMIC PERFORMANCE**

Academic Performance	Grades	Grade Points
Outstanding	A+	10
Excellent	A	9
Very Good	B+	8
Good	B	7
Average	C+	6
Below Average	C	5
Marginal	D	4
Poor	E	2
Very poor	F	0
Pass in Audit Courses	AP	-
Fail in Audit Courses	AF	-
Incomplete	I	-
Withdrawal	W	-
Continued Project	X	-
Non Completion of course requirement	Z	-

**Explanation :****'E' and 'F' Grades**

The 'E' and 'F' grades denote poor and very poor performance, i.e. failing a course 'F' grade is also awarded in case of poor attendance (see Attendance Rules). A student has to repeat all compulsory (core) courses in which she/he obtains either 'E' or 'F' grades, until a passing grade is obtained,

For the other (elective) courses in which 'E' or 'F' grades have been obtained, the student may take the same course or any other course from the same category. Further, 'E' and 'F' grades secured in any course stay permanently on the grade card. The weights, of these grades is not counted in the calculation of the CGPA, however, these are counted in the calculation of the SGPA. In case a student is awarded a failing grade in the major project, he/she shall have to repeat the course in the form of a new project. Such a student will have to work full time on the project for a minimum period of three months and maximum 'B' grade can be awarded to student.

**AP/AF Grades**

These grades are awarded to an audit course as specified in section 30 above. These grades are not counted in the computation of SGPA/CGPA.

**'I' Grade**

This refers to an 'incomplete' grade, which is required to be converted into a regular letter grade as provided for in a course (other than Project/ Dissertation) in Regulation 26(1). The guidelines for the award of 'I', grade are given in Appendix-C3.

**General Guidelines for the Award of Grades**

The general guidelines for the award of grades are as follows:

- (i) All evaluations of different components of a course shall be done in marks for each student.
- (ii) The marks of various components shall be reduced to approved weights (as decided by the DFB/CFB) and / or indicated in the scheme of Teaching and Examination and added to get total marks secured on a 100-points scale. The rounding off shall be done on the higher side.
- (iii) For less than and upto 30 students in a course, the grades shall be awarded on the basis of natural cut-off in the absolute marks as given in Appendix-C1.
- (iv) For more than 30 students in a course, the statistical method shall be used for the award of grades with or without marginal adjustment for natural cut-off. The salient features of statistical method are given in Appendix-C2.
- (v) The overall distribution of different grades shall be as indicated in the statistical distribution to the extent possible as given in Appendix-C2
- (vi) A+ (A Plus) grade shall not be awarded for percentage of marks less than 80 under any circumstance. There will not be more than 10% (rounded off to integer value) A + grade in any course.
- (vii) D grade shall not be awarded for percentage of marks less than 35 in any case. Still further, no student having 40% or more marks would be awarded failing grades of E or F.
- (viii) If a student has been detained due to poor attendance, he/she shall be given 'F' grade.
- (ix) The provisional grades shall be awarded by the Coordination Committee of the course consisting of all the teachers involved in that course. The grades should be finalized within 3 days of the End Term Examination. The Course Coordinator shall have full responsibility for this purpose.
- (x) The grades so awarded shall be moderated by a Grade Moderation Committee for that class of a Department/Academic Centre. This committee will finalize the grades and display a copy of the grades awarded on the Notice Board of the Department / Centre / Academic Section. All the final grades shall be communicated to the Academic Section (UG) within seven days from the last date of the End Term Examination. The Chairman, Grade Moderation Committee shall retain the records of all the marks and grades and shall send one copy of all records to the Chairman, DAC.
- (xi) The procedures for evaluation and award of grades for project, training, seminar, group discussion, comprehensive viva-voce shall be decided by the respective DFB/CFB or the Senate.
- (xii) For Dissertation in IDD and IMD programmes, each student will be evaluated individually and the grades shall be awarded on the basis of absolute marks (Appendix C-1). The Dissertation shall be presented before a Dissertation Viva-Voce Board consisting of the following, for evaluation.
  - (a) A Nominee of the Head of Department/Academic Center for each specialization, who shall be the Chairman.



**APPENDIX - C2****Statistical Method for the Award of Grades**

For the award of grades in a course, all component-wise evaluation shall be done in marks. The marks of different components viz. Mid-Term Examinations (MTE), End-Term Examination (ETE), Course Work Sessionals (CWS), Practical Sessionals (PRS) etc. would be reduced to relative weights of each component as approved by the Senate and added. Marks so obtained shall be out of 100 and the same would be converted to grades following the guidelines given below:

For 30 or more number of students in a course, the statistical method shall invariably be used with marginal adjustment for natural cut-off. The mean ( $\bar{X}$ ) and the standard deviation ( $\sigma$ ) of marks obtained of all the students in a course shall be calculated and the grades shall be awarded to a student depending upon the marks and the mean and the standard deviation as per Table given below.

**Awards of Grade Using Statistical Method**

Lower Range of Marks	Grade	Upper Range of Marks
	A+	$> \bar{X} + 1.5 \sigma$
$\bar{X} + 1.0 \sigma <$	A	$\leq \bar{X} + 1.5 \sigma$
$\bar{X} + 0.5 \sigma <$	B+	$\leq \bar{X} + 1.0 \sigma$
$\bar{X} <$	B	$\leq \bar{X} + 0.5 \sigma$
$\bar{X} - 0.5 \sigma <$	C+	$\leq \bar{X}$
$\bar{X} - 1.0 \sigma <$	C	$\leq \bar{X} - 0.5 \sigma$
$\bar{X} - 1.5 \sigma <$	D	$\leq \bar{X} - 1.0 \sigma$
$\bar{X} - 2.0 \sigma <$	E	$\leq \bar{X} - 1.5 \sigma$
	F	$\leq \bar{X} - 2.0 \sigma$

**APPENDIX - C3****Award of 'I' Grade**

- If a student is absent during End-Term Examination of a course due to medical reasons or other special circumstances, he/she may apply for the award of 'I' grade to the Chairman, DAC through the Course Coordinator and the Programme Advisor, provided that he/she has attended 75% of the classes held.
- The concerned Course Coordinator shall have to be convinced about the extraordinary circumstances and shall have to certify the attendance record before this rarely used option to award 'I' grade is recommended. The Chairman DAC may award 'I' grade.
- The 'I' grade so awarded shall be notified by the Department/Centre to which the student belongs and a copy of the notification will be endorsed to the Academic Section and to the concerned Course Coordinator (e.g., the notification for 'I' grade of a Chemical Engineering student will be, notified by the Department of Chemical Engineering on the recommendation of the concerned Course Coordinator, even if the course pertains to another Department/Academic Centre).

## APPENDIX - D

### Calculation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA)

$$(i) \quad S.G.P.A. = \frac{\sum_{i=1}^n C_i \times P_i}{\sum_{i=1}^n C_i}$$

Where

$C_i$  = Number of credits of the  $i^{th}$  course of a semester for which SGPA is to be calculated

$P_i$  = Grade point obtained in  $i^{th}$  course.

$i = 1, \dots, n$ , represent the number of courses in which a student is registered in the concerned semester.

(ii)

$$C.G.P.A. = \frac{\sum_{i=1}^m C_i \times P_i}{\sum_{i=1}^m C_i}$$

Where

$C_i$  = Number of credits of the  $i^{th}$  course, upto the semester for which CGPA is to be calculated

$P_i$  = Grade point earned in  $i^{th}$  course. A grade lower than D (i.e. grade point < 4) in a course shall not be taken into account.

$i = 1, \dots, m$ ; represent the number of courses in which a student was registered and obtained a grade not lower than 'D' upto the semester for which CGPA is to be calculated.

## **APPENDIX – E3**

### **Guidelines for Allocation and Evaluation of Self-Study Course**

- (a) A student cannot claim to take a course as a self-study course as a matter of right.
- (b) The course can only be offered to a student in his/ her final semester when he/she is likely to fall short by a maximum of 6 earned credits to become eligible for the award of degree.
- (c) Only a course from the list of regular courses of study for the programme, which the student has not cleared and which is not being offered in that semester as a regular course, can be given as a self-study course. However, Group Discussion and viva voce cannot be taken as a self study course.
- (d) The duration of the course will be a full semester.
- (e) The student will apply to Dean, Academic Studies through his programme advisor and the concerned Chairman DAC well before the date of registration. The course will be offered only if Dean, Academic Studies approves it.
- (f) If the course is approved by Dean, Academic Studies, the Head of the concerned department will appoint a course coordinator in consultation with Chairman DAC. A teaching load of 1 hour/week will be counted in the time-table of the coordinator.
- (g) No formal lectures will be held in the course but laboratory, design, and tutorial exercises will be conducted if they form an integral part of the course. The course coordinator will assign tutorial problems / laboratory exercises to the student and monitor his/her progress weekly.
- (h) The mid-term and end-term examinations for the course will be scheduled by the department like in other courses and the course coordinator will be responsible for the conduct of these examinations.
- (i) For the award of marks, various components, e.g., lecture, tutorial, and practical, will be given the same weight as specified in the curricular structure.
- (j) The final grade will be awarded on the basis of Absolute Grading System and will not exceed 'B' in any case.
- (k) The grade moderation committee for the course will be the same as for other courses of the class.
- (l) Normal attendance regulations will not apply to this course.
- (m) A fee of Rs.1500.00 per credit shall be charged from a student who registers for a self study course in summer term.

## **APPENDIX – E4**

### **Guidelines for the Grant and Award of Audit Course**

- a) A student can register to audit a maximum of 8 credits from amongst the Institute or /and Departmental electives, out of the minimum requirement of earned credits specified for a given academic curriculum, on the advice of the Programme Advisor. However, the student cannot register to audit the Institute core courses or the Departmental Core courses pertaining to his programme.
- b) All such requests will be made at the time of registration and shall be so noted in the registration card.
- c) The normal registration in course may also be converted to audit registration and vice versa, provided that the request is made by the student to Chairman DAC/CAC within one week from the end of the first mid-term examination. The Chairman DAC/CAC may grant the approval and inform the Assistant Register (Academic) who will record it in the registration record of the student.

as an external examiner after taking his/her consents.

- (i) The students will be required to submit a final project report to O.C. Project, at least 3 days before the date of project examination.
- (j) The final examination may be in the form of demonstration in the laboratory and viva-voce or only viva-voce, depending upon the nature of the project.
- (k) The examination committee will award marks to individual students and forward them to O.C. Project, who will compute grades in accordance with the prescribed procedures.
- (l) The Grade Moderation Committee for the course will be the same as that for other courses of the class.
- (m) In case a student is awarded a failing grade in the major project, he shall have to repeat the course in the form of a new project. Such a student will have to work full time on the project for a minimum period of 4 months.
- (n) In special circumstances, a student may be awarded 'X' grade, the conditions for which are given in Appendix-B of UG regulations.
- (o) Normal attendance regulations will not apply to this course.



23 MAR 2009

**INSTRUCTION FOR PENALTY FOR USE OF UNFAIRMEANS**

1. The main instructions for the conduct of a student in the Examination hall shall be printed on the cover page of the answer - book. Any contravention of these instructions and the use of any unfair means will render the student liable for punishment.
2. As soon as a student is suspected by the invigilator or any other authorized person of having resorted to unfair means his/her answer-book shall be seized. The paper etc. duly signed by the invigilator found in possession of the student shall be attached with the answer-book in his/her presence. The student shall then be asked to complete part II of the prescribed form and sign it. This form shall then be endorsed by the Invigilator.
3. After completing all the above formalities, a fresh answer - book shall be given to the student for completing the examination.
4. After a particular examination is over, these answer-books (duly marked I, II) shall be sent or delivered, separately to the Registrar / Assistant Registrar (Academic) together with the report form duly completed in all respects.
5. A Committee appointed by the Director shall enquire into cases of attempt at unfair means in the examination. It shall submit its recommendations after laying down clearly the nature of the offence listed in Regulation No. 57.10.7 to the Director for consideration and necessary orders.
6. A student whose guilt is established shall be dealt with under the provisions of the disciplinary regulations.
7. The following action may be taken for different categories of offences under this regulations.

**(A) NATURE OF OFFENCE**

- (a) A student found talking to another student during the examination hours.
- (b) If during the examination hours i.e. after receipt of the question- paper and before handing over the Answer-book a student is found to be talking to a person outside the examination-hall while going to the urinal etc.
- (c) Changing seat in the examination- hall without permission.

**ACTION TO BE TAKEN:** The first answer-book to be withdrawn and cancelled and the second answer-book to be provided and evaluated.

**(B) NATURE OF OFFENCE**

- (a) Attempt to influence the examiner by an appeal in the answer-book.
- (b) Writing either the questions set in the paper or solutions thereof on paper/electronic device etc. during the examination.
- (c) Possession of cell phone or any other item of such type of communication in examination hall.

**ACTION TO BE TAKEN :** The examination of the concerned paper to be cancelled and 'F' grade to be awarded.

**(C) NATURE OF OFFENCE:**

To be found in possession of any written or cyclostyled notes or any printed materials or notes written on any part of the body/clothing or instruments such as set square, electronic device etc. or having notes written on chair, table, desk or drawing board during the examination.



**(H) CASES NOT COVERED BY THESE REGULATIONS.**

**ACTION TO BE TAKEN:** To be decided by the Director.

- Note:
- a) In these regulations the year means the academic year.
  - b) A candidate found using unfair means leading to the cancellation of one paper or the whole examination in the First Year shall not be allowed to rejoin the Institute.
  - c) In case of extenuating circumstances, the above punishment may be reduced by the Director depending upon the merits of the case.



23 MAR 2009

**APPENDIX – H**

**GUIDE LINES FOR ATTENDANCE RECORDS  
AND PREPARATION OF LIST OF STUDENTS NOT  
ELIGIBLE TO APPEAR IN THE END TERM EXAMINATIONS**

Step	Action	Performa to be filled	Target Dates
First	Communication from Chairman, DAC/ Coordinator, First year B. Tech. to Course Coordinator requesting to submit the list of students having short attendance on specified format upto prescribed date.	ATT/1/7	X + 48
Second	Consolidation of the list of such students by Chairman, DAC/ Coordinator, First year B. Tech & Notice from chairman, DAC/ Coordinator, First year B. Tech for Short Attendance	ATT/2/7	X + 56
Third	Communication from AR (Acad) to parent/ guardian of student having short attendance.	ATT/3/7	X + 63
Fourth	Communication from Chairman, DAC/ Coordinator, First year B.Tech to Course Coordinator requesting to submit the final list of students having short attendance on specified format upto prescribed date.	ATT/4/7	Y-7
Fifth	Preparation on list of detained students by DAC/ FYCC and recommendation to this effect.	ATT/5/7	Y + 1
Sixth	Notices from Chairman DAC/ Coordinator, FYCC or to Students Notice Board	ATT/6/7	Y + 2 or Z-3
Seventh	Action by AR (acad) to ascertain that the detained students do not appear in exam.	ATT/7/7	Z -1

**Target dates:**

X = first day teaching starts in a semester:

Y = Last day teaching ends in a semester.

Z = first day of which end term examination starts.

  
23 MAR 2009

From Chairman, DAC /Coordinator First Year to Notice Boards  
DEPARTMENT OF.....

## NOTICE

## LIST OF STUDENTS HAVING SHORT ATTENDANCE (&lt;75%)

Academic Year..... Class.....

Semester.....Autumn/Spring

As per attendance regulations in force, a student is required to have attended at least 75% of the total classes held in a subject, in order to be eligible to appear in the end-term examination of that subject. Upto ..... ( as per academic calendar), the following students are having short-attendance in the courses indicated against their names. These students are advised to be extra careful and make up for the short attendance, otherwise they may be barred from appearing in the end-term examination.

S. No.	Student Enroll No.	Name of Student	Branch	Course		Percentage Attendance
				Title	Code	

(Chairman, DAC / Coordinator First Year)

Copy to :

1. Head of the Department
2. Asstt. Registrar(Acd) to inform student's parent / guardian
3. Students Notice Boards
4. All Bhawan & Mess Notice Boards
5. Respective Programme Advisors with the request to call the students and counsel them.



23 MAR 2009

From Chairman, DAC /Coordinator First Year  
to Course Coordinators

DEPARTMENT OF .....

**LIST OF STUDENTS HAVING SHORT ATTENDANCE (< 75%)**

Academic Year..... Class.....

Semester.....Autumn/Spring

Course Title.....

Course code.....

**All Course Coordinator**

Please inform the names of UG Students having less than 75% attendance (L+T+P) upto (as per academic calendar) .....in the course of which you are the Coordinator in Autumn / Spring Semester..... The Information may please be sent to undersigned **latest by**..... in the proforma given below alongwith a photocopy of attendance record of entire class. If there is no short attendance case in your course, please write NIL in the proforma.

**(Chairman, DAC / Coordinator First Year)**

No.	Student Enroll No.	Name of Student	Branch	AttendanceRecord (L+T+P)		
				Classes Held	Classes Attended	Percentage Attendance

Name of the Course Coordinator.....

Signature



23 MAR 2009



From Chairman, DAC /Coordinator First Year to Notice Boards  
DEPARTMENT OF.....

## NOTICE

## LIST OF STUDENTS HAVING SHORT ATTENDANCE (&lt; 75%)

Academic Year..... Class.....

Semester.....Autumn/Spring

On the recommendation of department academic committee meeting held on following students are hereby detained from appearing in the end term examination in subjects listed against their names.

S. No.	Student Enroll No.	Name of Student	Branch	Course		Percentage Attendance
				Title	Code	

Date:

(Chairman, DAC/Coordinator First Year)

Copy to:

1. Head of the Department
2. Assistant Registrar(Academic)
3. Students Notice Boards
4. All Bhawan & Mess Notice Boards
5. Respective Programme Advisors with the request to call the students and counsel them.



23 MAR 2009

**APPENDIX - I****Guidelines for Deduction of Marks for Mass Abstention from Classes**

A fine of 5 marks for undergraduate students out of the discipline group, will be imposed on each of the student by the Head of the Department on the recommendation of Course Coordinators and Chairman DAC/CAC, for mass abstention from a class. The maximum fine for a day would be limited to 15 marks. For B.Tech./ IDD/ Integrated Master's Degree I year students such fine shall be imposed by the First year Class Coordinators. All such fines shall be communicated to Dean of Students Welfare for record. The marks so fined will not be converted into monetary fine.

If the disciplinary marks are exhausted for a student, additional fine of marks would be converted to monetary fine. For the purpose of calculating equivalent monetary fine from marks or vice-versa, one mark shall be treated as Rs. 50/- or the amount approved by the Director from time to time on the recommendation of Dean of Students Welfare.

**APPENDIX - J**

**Table-4: MINIMUM REQUIREMENT OF EARNED CREDITS FOR CONTINUATION OF REGISTRATION**

S. No.	Year	B. Tech.	B. Arch.	Int. Dual Degree (IDD)	Int. M. Tech. (IMT)	Int. M. Sc. (IMS)
1.	I Yr	24	24	24	24	24
2.	II Yr	50	50	50	50	50
3.	III Yr	78	78	78	78	78
4.	IV Yr	108	108	108	108	108
5.	V Yr	140	140	140	140	140
6.	VI Yr	176***	176	176	176	176
7.	VII Yr	-	198***	202***	202***	202***

\* Excluding Proficiency / NCC Discipline credits.

\*\* Including credits, if any, earned during summer term

\*\*\* The figure should not be less than the minimum prescribed.



23 MAR 2009

President's old Medal.

**B.4 INSTITUTE Silver Medal (One for each UG/dual degree programme)**

To be awarded to a student (one in each programme) who obtains the highest marks/CGPA amongst the graduating class of undergraduate students of the Institute, in his/her programme. A separate (additional) Institute Silver Medal, will be awarded for each Dual Degree programme to a student who obtains the highest marks/CGPA amongst the graduating students of that programme. For the purpose of this award, the marks/CGPA will be calculated on the basis of the cumulative performance in both B.Tech./ B.Arch. and M.Tech. credits. In case there is a tie, the medal is awarded to the student with the largest earned credits. No Silver Medal will be awarded in the discipline from which a student gets the President's Gold Medal or Institute Gold Medal. A minimum marks/CGPA of 8.5 or its equivalent is required for award of the Institute Silver Medal; in case no graduating student satisfies this criterion, the student with the highest marks/ CGPA will be given a certificate.



23 MAR 2009

## **APPENDIX - M**

### **Guidelines for Admission of International Students for Short Duration**

International students be allowed to join the Institute for a short term duration for course work / training / project in all Undergraduate /Postgraduate of the Institute, subject to following conditions:

- (a) The duration of course / training / project will not be more than one year,
- (b) The bench fee will be as follows:
  - i) 50 US\$ per credit with a minimum of US\$ 500 (Five Hundred) per semester for students from SAARC countries;
  - ii) 100 US\$ per credits with a minimum of US\$ 1000 (One Thousand) per semester for students from other countries;
- (c) The fee charged will cover the hostel rent also. The students will have to pay mess charges as being charged from other hostel inmates;
- (d) In each semester the maximum number of students allowed to join a Department / Centre will be 02 (two);
- (e) The applications of the candidates, duly forwarded by their parent Institution, will be received by the department / centre of the candidate's specialization which will forward the suitable applications to Dean, Academic Studies for final approval. International projects and the exchange covered under MoUs, is beyond these provisions.
- (f) Foreign students will be admitted as per the MHRD guidelines issued from time to time.



23 MAR 2009



**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**  
**BUDGET ESTIMATES**  
Non Plan Grant 2009-10

Appendix 'B'

Rupees in lacs

S. No.	Programme	Budget estimates for the Financial Year 2009-10
1	<b>Establishment</b>	
	(i) Pay & Allowances*	10738.00
	(ii) Pension & Gratuity*	3040.00
	(iii) Medical Expenses, Security Services, Mess Staff, LTC etc.	600.00
	(iv) Telephones, Repairs of Office Equipment, Uniforms & Liveries, Legal Expenses, Faculty Perks, Hospitality, Transport, Contingencies etc.	700.00
	<b>Sub Total</b>	<b>15078.00</b>
2	<b>Academic &amp; Educational</b>	
	(i) Department Operating Cost	500.00
	(ii) Scholarships	2250.00
	(iii) Research Projects, Students Amenities, SC/ST students fee, Examinations, Participation in National / International Conferences, Publications, Convocation	250.00
	(iv) Computer Support Services, National Facilities, AMC for sophisticated instruments.	200.00
	<b>Sub Total</b>	<b>3200.00</b>
3	<b>Estate Maintenance</b>	
	(i) Maintenance	
	• Civil maintenance including Horticulture and Sanitation	600.00
	• Electric and Water Supply Maintenance	200.00
	(ii) Electricity and Fuel	700.00
	<b>Sub Total</b>	<b>1500.00</b>
	<b>Grand Total</b>	<b>19778.00</b>



23 MAR 2009

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE**  
**BUDGET ESTIMATES FOR NON-PLAN GRANT FOR FINANCIAL YEAR 2009-10**

(Rs. in lacs)

S.No	A/c head	Grant No.	BE- 2009-10
1	Pay & Allowances	MHR02-11-208	10063.00
2	OTA & Honorarium	MHR02-12-200	3.50
3	Travelling Allowance	MHR02-13-200	200.00
4	LTC	MHR02-14-200	200.00
5	Children Education Allowance	MHR02-15-208	30.00
6	Fund Contribution	MHR02-16-208	2.50
7	Pension & Gratuity	MHR02-17-208	2903.50
8	Security & Other Agencies	MHR02-19-210	145.00
9	Mess Subsidy	MHR02-31-204	100.00
10	Medical	MHR02-20-212	300.00
11	HRD	MHR02-21-200	5.00
12	Training & Placement	MHR02-27-205	15.00
13	Publication	MHR02-36-223	12.00
14	Membership Fee	MHR02-37-220	2.50
15	Convocation & Other Functions	MHR02-38-224	12.00
16	Transfer to IPT	MHR02-69-116	800.00
17	Advertisement	MHR02-56-220	27.50
18	PARLIMENTARYCOMM	MHR02-66-200	5.00
19	Transport /Vehicle Maintenance & Opt	MHR02-47-214	10.00
20	Legal Expenses	MHR02-48-220	5.00
21	Postage & Telegram	MHR02-49-220	5.50
22	Uniform & Liveries	MHR02-50-220	20.00
23	Entertainment	MHR02-51-207	5.00
24	Guest House	MHR02-52-211	6.00
25	Audit Expenses	MHR02-53-208	12.00
26	Telephones	MHR02-54-215	45.00
27	Printing & Stationery	MHR02-55-220	22.00
28	Contingencies	MHR02-45-200	60.00
29	HINDI CELL	MHR02-60-200	6.00
30	Staff Welfare - Faculty Perks	MHR02-46-200	55.00
	<b>SUB TOTAL</b>		<b>15078.00</b>
31	Short Term Academic Visits	MHR02-39-200	4.00
32	Library	MHR02-24-119	22.00
33	Prizes & Medals	MHR02-25-221	4.00
34	Research Project Assistance	MHR02-26-200	3.00
35	Study Tour	MHR02-28-200	12.00
36	Student Amenities (Including NCC)	MHR02-29-204	12.00
37	SC/ST Student Fee	MHR02-30-204	35.00
38	PG Examinations	MHR02-62-227	45.00
39	UG EXAMINATION	MHR02-61-221	15.00
40	Preparatory Course	MHR02-59-200	3.00
41	National Conference/Symposium	MHR02-33-200	25.00
42	International Conference/Symposia	MHR02-34-200	45.00
43	Seminar/Symposium (In House)	MHR02-35-200	25.00
44	Department Operating Cost	MHR02-22-XXX	500.00
45	Assistantship/Fellowship	MHR02-23-200	2210.00
46	Computerization & Computer Support	MHR02-40-208	70.00
47	National Facilities	MHR02-41-XXX	70.00
48	AMC for Sophisticated Instruments	MHR02-65-200	100.00
	<b>SUB TOTAL</b>		<b>3200.00</b>
49	Estate Maintenance	MHR02-42-202	600.00
50	Electric and Water Supply Maintenance	MHR02-43-202	160.00
51	Power & Fuel	MHR02-63-202	700.00
52	Property Tax	MHR02-44-202	5.00
53	Repair & Maintenance Of Equipment	MHR02-57-200	10.00
54	Repair & Maintenance Of Furniture	MHR02-58-202	25.00
	<b>SUB TOTAL</b>		<b>1500.00</b>
	<b>GRAND TOTAL</b>		<b>19,778.00</b>

# INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

## Budget - Estimate for Normal & OBC Plan Grant

for the Financial Year 2009-10

(Rs. in lacs)

S. No.	Programme	Normal Plan Grant BE 2009-10	OBC Plan Grant BE 2009-10
1	Development of Laboratory Infrastructure	2332.00	3475.00
2	Library (Books & Journals), Computing, Networking and Multimedia facilities	1120.00	450.00
3	Building and Works	5024.78	11331.46
4	Recurring Expenditure due to increase in intake	-	1591.20
TOTAL		8476.78	16847.66
GRAND TOTAL (Normal Plan + OBC Plan)		25324.44	



23 MAR 2009

# INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Budget - Estimate for Plan Grant  
for the Financial Year 2009-10 (Normal Grant)

		(Rs. in lacs)
S. No.	Programme	Funds Required-NA
1 (a)	Laboratory Infrastructure for Departments/ Centres	
	*Analytical Equipment/ Instruments for 03 Centres of Excellence	150.00
	*Academic Departments/ Centres	1100.00
	*Central Facilities	
	IIC	200.00
	Hospital	20.00
	National facility on Geochronology	20.00
	Educational Technology cell	20.00
	NMR facility upgradation	30.00
	Security	15.00
	EPABX	12.00
	IPR Cell	15.00
	Transportation	25.00
	Training Placement and Industrial Liaison	25.00
	Macromolecular Crystallographic Unit (A Multi Disciplinary Instrument)	30.00
	Development of on-line information processing system (software + hardware)	100.00
	Student Amenities	150.00
	Sports	100.00
	Administration	20.00
1 (b)	Post Doctoral Fellowships (including Faculty Project grant)	100.00
1 (c)	Strengthening of Infrastructure (Class room, Audio Visual Aids etc)	200.00
	Sub Total	2332.00
2	Library Computing, Networking & Multimedia Facilities	
	a Library Subscription of Books, Print and e-journals in Science & Technology	570.00
	b. Computing, Networking, and Multimedia Facilities	400.00
	Office Automation	110.00
	Smart Card System	20.00
	Laptop for faculty / scientists .	20.00
	Sub Total	1120.00
3(a)	Building & Works - Ongoing Activities	
	(a) Construction of one additional room in A-2 category Residences	7.35
	(b) Extension of Rajendra Bhawan Mess	17.43
	(c) Laying of Power Cables and Re-wiring	100.00
	(d) Construction of new Tube wells & Replacement of old water pipe lines	100.00
	(e) Extension/Renovation of Existing Academic/Administrative Hostels & Residencials Bldgs (including FIST requirements)	600.00
	(f) Multistoreyed Boys Hostel (Near Ganga Bhawan) by CPWD	800.00
	(g) Multistorey A Category Residences (42 Nos.) (Behind Hill View Apppts.)	800.00
	(h) New Sub-Stations/DG Sets/HT & LT Cabling in Roorkee Campus	900.00
	(i) New Electric Substation to take care of enhanced load, Cabling & Panel etc. at SRE Campus	200.00
	Sub Total	3524.78
3(b)	Development of First phase of Greater Noida Extension Centre of IITR	
	* Construction to be completed in 3 years - work in progress	1500.00
	Activities convention centre, incubation centre, Guest House, Faculty Rooms.	
	Total [ 3(a) & (b) ]	5024.78
	GRAND TOTAL	8476.78

  
23 MAR 2009

# INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

Budget - Estimate for Plan Grant  
for the Financial Year 2009-10 (OBC)

(Rs. in lacs)

S. No.	Programme	Funds Required-OBC
1	<b>(A) Laboratory Infrastructure for New Academic Program</b>	
	a M.Sc. (Phy.), M.Sc. (Chem.), M.Sc. (App. Geology), M.Tech. (App. Geophysics)	400.00
	<b>(B) Laboratory Infrastructure for Departments/ Centres</b>	
	(a) *Analytical Equipment/ Instruments for 03 Centres of Excellence	300.00
	(b) *Academic Departments/ Centres	2200.00
	(c) *Central Facilities	
	(d) IIC	200.00
	(e) Hospital	50.00
	(f) Security	75.00
	(g) Transportation	50.00
	(h) Student Amenities	200.00
	<b>Sub Total</b>	<b>3075.00</b>
	<b>Total (A + B)</b>	<b>3475.00</b>
2	<b>Library Computing, Networking &amp; Multimedia Facilities</b>	
	a Library : Subscription of Books, Print and e-journals in Science & Technology	150.00
	b Computing, Networking, and Multimedia Facilities	300.00
	<b>Sub Total</b>	<b>450.00</b>
3	<b>Building &amp; Works</b>	
	<b>(A) On Going Works</b>	
	(a) Extension of Cautley Bhawan (160 seats)	53.70
	(b) Construction of Lecturer Hall Complex	885.50
	(c) Construction of New Girls Hostel (801 seats) (Single Room: 329, Double Rooms: 236)	2310.00
	(d) Construction of New Boys Hostel at DPT, SRE (428 seats) (Phase-1)	198.34
	(e) Construction of New Multistoreyed Boys Hostel (670 seats) Near AHEC by NBCC Ltd.	563.20
	(f) Construction of Multistoreyed A-category Residences (56 Nos.)	1024.14
	(g) Construction of Biotech. Deptt. and Centres of Excellence	908.97
	(h) Covering of open Drains	95.39
	(i) Parking in Academic and Administrative Bldg.	96.57
	(j) Toilets & other facilities for Physically disabled students in Departments / Centres	92.33
	(k) Electric Works	102.68
	(l)	
	(m) Extension of Ganga Bhawan (192 Seats)	133.07
	(n) Extension of following Deptt. [Chemistry, Physics, Electrical, E&CE, Metallurgical & Materials Engg., Chemical Engg., Earth Science]	270.57
	(o) Additional cost for the old sanctioned works, Multistoreyed Boys Hostel, Biotechnology Deptt./Other Centres and Multistoreyed Category Residences	592.00
	<b>Sub Total</b>	<b>7326.46</b>
	<b>(B) New Sanctioned Works</b>	
	(a) Extension of the Ghananand Pandey Hostel (80 Suites)	480.00
	(b) C' Category Residences (64 Nos.)	600.00
	(c) D' Category Residences (32 Nos.)	160.00
	<b>Sub Total</b>	<b>1240.00</b>
	<b>(C) New Proposed Works</b>	
	(a) Extension of Govind Bhawan (84 Seats)	210.00
	(b) Construction of Lecture/Lab Block DPT Saharanpur	1200.00
	(c) Construction of First and Second Floor of Community Centre Rooms	130.00
	(d) Construction of Boys Hostel DPT Saharanpur (Phase-II)	900.00
	(e) Furniture for Hostel (Room and Mess)	225.00
	(f) OHT and Tube well / Pipe Line DPT Saharanpur	100.00
	<b>Sub Total</b>	<b>2765.00</b>
	<b>Total (A + B + C)</b>	<b>11331.46</b>
4	<b>Recurring Expenditure due to increase in intake</b>	1591.20
	<b>Total</b>	<b>1591.20</b>
	<b>GRAND TOTAL</b>	<b>16847.66</b>

  
23 MAR 2009

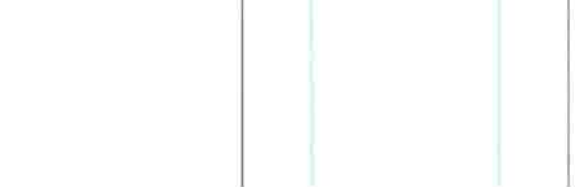


NAME OF THE AUTONOMOUS BODY/SUBORDINATE OFFICE: INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE

NON-PLAN

In thousand of Rupees

	Actuals 2007-08	Budget Estimates 2008-09	Actuals for 2008-09 upto 9/2008		Budget Estimates 2008-09 Total Arrears	Revised Estimates 2008-09 with 40% Arrears	Budget Estimates 2009-10 with 60% Arrears
1	2	3	4	5		6	7
<b>SALARY &amp; PENSION</b>				<b>1. SALARY</b>			
(a) Faculty	276,414	380,000	167,985	(a) Faculty			
(b) Non Faculty	220,771	300,000	136,204	Regular Salary (R)	290600	377780	464960
(c) Total	497,185	680,000	304,189	Arrears (A)	258500	103400	155100
				Total (R+A)		481180	620060
<b>NON-SALARY COMPONENT</b>							
(a) Administrative Expenses	79,701	60,000	28,450	(b) Non-Faculty			
(b) Student Scholarship	112,093	165,000	44,935	Regular Salary (R)	229400	298220	367040
(c) Hall Subsidy	13,888	18,000	5,918	Arrears (A)	144500	57800	86700
(d) Departmental Exp. Incl. Lab./ws	40,142	30,000	12,548	Total (R+A)		356020	453740
(e) Student Support Activities	16,699	15,000	9,355				
(f) H. Keeping / Estate Maint.	36,878	42,500	33,335	<b>2. PENSION</b>			
(g) Water, Fuel & Electricity Charges	49,168	62,500	21,120	(a) Faculty			
(h) Miscellaneous	49,071	-		Regular Salary (R)	89400	116220	143040
				Arrears (A)	44706	17882	26824
				Total (R+A)		134102	169864
				(b) Non-Faculty			
				Regular Salary (R)	70600	91780	112960
				Arrears (A)	35294	14118	21176
				Total (R+A)		105898	134136
				<b>3. NON SALARY COMPONENT</b>		393000	550200
				<b>4. Provision for Vacant Posts</b>		20000	50000
(n) Total	397,640	393,000	155,661				
<b>Grand Total</b>	<b>894,825</b>	<b>1,073,000</b>	<b>459,850</b>	<b>TOTAL (1+2+3+4)</b>		<b>1490200</b>	<b>1978000</b>



## Appendix 'C'

### Fixed monthly emoluments for the 'Y' Pool Workers

Sl. No.	Name of Worker	Existing Emoluments as on 01.04.2009	Revised Emoluments w.e.f. 01.04.2009	Category
1.	Sri Dharm Singh	3800.00	5340.00	Y-1
2.	Smt. Sushila Devi	3800.00	5340.00	Y-1
3.	Sri Rajendra Kumar (WRD&M)	3900.00	5470.00	Y-1
4.	Sri Mange Ram	3500.00	4950.00	Y-1
5.	Sri Mukesh	3600.00	5080.00	Y-1
6.	Smt. Rachana Devi	3600.00	5080.00	Y-1
7.	Smt. Rajkumari	3600.00	5080.00	Y-1
8.	Sri Ram Avtar	3600.00	5080.00	Y-1
9.	Sri Ram Prakat	3600.00	5080.00	Y-1
10.	Sri Rifakat	3600.00	5080.00	Y-1
11.	Sri Chhote Lal	3600.00	5080.00	Y-1
12.	Sri Jahid	3600.00	5080.00	Y-1
13.	Sri Nishar Ahmad	3600.00	5080.00	Y-1
14.	Sri Muwasi	3600.00	5080.00	Y-1
15.	Sri Suresh (E&W)	3800.00	5340.00	Y-1
16.	Sri Govind Prasad	3600.00	5080.00	Y-1
17.	Sri Surendra Kr. Sharma	3800.00	5340.00	Y-1
18.	Sri Sanjeev Kumar (A/c Section)	4000.00	5600.00	Y-1
19.	Sri Guna Nand	4000.00	5600.00	Y-1
20.	Sri Sitaram Samewal	3800.00	5340.00	Y-1
21.	Sri Madan Pal	4100.00	5730.00	Y-1
22.	Sri Deepak Singh	4100.00	5730.00	Y-1
23.	Sri Sanjeev Kumar (Registrar Office)	3800.00	5340.00	Y-1
24.	Sri Satish Kumar	3800.00	5340.00	Y-1
25.	Sri Chandra P. Sharma	3800.00	5340.00	Y-1
26.	Sri Kishan Lal Yadav	3800.00	5340.00	Y-1
27.	Sri Tejveer Singh	3800.00	5340.00	Y-1
28.	Sri Mahesh C. Sharma	3800.00	5340.00	Y-1
29.	Sri Mahendra Kumar	3800.00	5340.00	Y-1
30.	Sri Vijay Kumar	3800.00	5340.00	Y-1
31.	Sri Suresh C. Dhiman	3800.00	5340.00	Y-1
32.	Sri Shivraj Singh	3800.00	5340.00	Y-1
33.	Sri Mittar Pal Singh	3800.00	5340.00	Y-1
34.	Sri Sheralpal Singh	3800.00	5340.00	Y-1
35.	Sri Abdul Hafiz	3800.00	5340.00	Y-1
36.	Sri Somdutt	3800.00	5340.00	Y-1
37.	Sri Puran Singh	3800.00	5340.00	Y-1
38.	Sri Rajkumar Singh	3800.00	5340.00	Y-1
39.	Sri Arvind Kumar	3800.00	5340.00	Y-1
40.	Sri Rameshwar Mishra	3800.00	5340.00	Y-1
41.	Sri Surendra Kumar	3800.00	5340.00	Y-1
42.	Smt. Sushila	3800.00	5340.00	Y-1

43.	Sri Ram Dev Prasad	3800.00	5340.00	Y-1
44.	Sri Rajpal Singh	3800.00	5340.00	Y-1
45.	Sri Keshwar Prasad	3800.00	5340.00	Y-1
46.	Sri Ompal	3800.00	5340.00	Y-1
47.	Sri Satya Pal Singh (ICC)	3800.00	5340.00	Y-1
48.	Sri Shiv Charan	3800.00	5340.00	Y-1
49.	Sri Khalil Ahmad	3800.00	5340.00	Y-1
50.	Sri Amar Singh	3800.00	5340.00	Y-1
51.	Sri Sulekh Chand	3800.00	5340.00	Y-1
52.	Sri Rajendra Kumar(E&W)	3800.00	5340.00	Y-1
53.	Sri Chandar	3800.00	5340.00	Y-1
54.	Sri Munesh Kumar	3800.00	5340.00	Y-1
55.	Sri Ramesh S/o Sri Sukhram	3800.00	5340.00	Y-1
56.	Sri Murtaja	3800.00	5340.00	Y-1
57.	Sri Dharam Pal	3800.00	5340.00	Y-1
58.	Sri Suresh (DOSW)	3800.00	5340.00	Y-1
59.	Sri Raju Messi	3800.00	5340.00	Y-1
60.	Sri Gopal Singh Rawat	3800.00	5340.00	Y-1
61.	Sri Ganesh Singh Negi	3800.00	5340.00	Y-1
62.	Sri Parwas Ali	3800.00	5340.00	Y-1
63.	Sri Puran Chand	3800.00	5340.00	Y-1
64.	Sri Chandrabhan	3800.00	5340.00	Y-1
65.	Sri Bhim Singh	4800.00	6640.00	Y-1
66.	Sri Mahi Pal*	3600.00	5080.00	Y-1
67.	Sri Bachche Singh Karki (status quo)	00.00	0.00	Y-1
68.	Sri Babu Ram	4950.00	6840.00	Y-2
69.	Sri Ram Kumar (E&W)	4950.00	6840.00	Y-2
70.	Sri Karan Pal	4950.00	6840.00	Y-2
71.	Sri Ashiq	4950.00	6840.00	Y-2
72.	Sri Satya Pal	4950.00	6840.00	Y-2
73.	Sri Dasi Ram	4950.00	6840.00	Y-2
74.	Sri Samay Singh	4950.00	6840.00	Y-2
75.	Sri Dinesh Kumar	4950.00	6840.00	Y-2
76.	Sri Gurmail Singh	4950.00	6840.00	Y-2
77.	Sri Mustafa Ali	4950.00	6840.00	Y-2
78.	Sri Sher Singh	4950.00	6840.00	Y-2
79.	Sri Ravindra Kr. Yadav	4950.00	6840.00	Y-2
80.	Sri Tassavur	4950.00	6840.00	Y-2
81.	Sri Ramesh Kumar	4950.00	6840.00	Y-2
82.	Smt. Pushpa Mehndiratta	4950.00	6840.00	Y-2
83.	Sri Sampurnanand	4950.00	6840.00	Y-2
84.	Sri Om Prakash	4950.00	6840.00	Y-2
85.	Sri H.C. Upadhyay	4950.00	6840.00	Y-2
86.	Smt. Madhu Sharma	4950.00	6840.00	Y-2
87.	Smt. Usha Barthwal	4950.00	6840.00	Y-2
88.	Sri Yogesh Kr. Sharma	4950.00	6840.00	Y-2
89.	Sri Jatin Kumar	4950.00	6840.00	Y-2
90.	Sri Rameshwar Prasad	4950.00	6840.00	Y-2
91.	Sri Tasleem	4950.00	6840.00	Y-2
92.	Sri A.R.J.G. Nair	5650.00	7750.00	Y-2
93.	Sri Ashok Kumar	5450.00	7490.00	Y-2
94.	Sri Naveen Mittal	5450.00	7490.00	Y-2

95.	Sri B.N. Pandey	5450.00	7490.00	Y-2
96.	Smt. Sarita Gupta	5450.00	7490.00	Y-2
97.	Sri Anil Kumar Agarwal	7350.00	9960.00	Y-2
98.	Smt. Sangeeta Khatri	7150.00	9700.00	Y-2
99.	Sri Sandeep Goel(working as Fellow 'A')	7150.00	9700.00	Y-2
100.	Sri Ajay P. Singh (working as Fellow 'A')	7150.00	9700.00	Y-2
101.	Sri Rajeev Kr. Garg	6450.00	8790.00	Y-2
102.	Sri Ramkant	7500.00	10150.00	Y-3
103.	Sri Sunil Pal	7500.00	10150.00	Y-3
104.	Sri Devendra S. Verma	7700.00	10410.00	Y-3
105.	Sri Ravindra Singh Rana	7500.00	10150.00	Y-3
106.	Sri Ram Kumar (CED)	9700.00	13010.00	Y-3
107.	Sri Susrut Kr. Gaur	9300.00	12490.00	Y-3
<b>TOTAL</b>		<b>4,80,900.00</b>	<b>6,67,740.00</b>	-

\* Not registered in 'Y' Pool, working on the orders of Hon'ble High Court.

  
 23 MAR 2009



**Memorandum of Understanding for Academic Cooperation  
between  
Indian Institute of Technology Roorkee (IITR) - India  
and  
Vali-e-Asr University, Rafsanjan (VAUR) - Iran**

**Indian Institute of Technology Roorkee (IITR) and Vali-e-Asr University, Rafsanjan (VAUR) recognize their strengths in research and education in one or more disciplines of science, engineering, management and social sciences, and their mutual interest in engaging themselves in academic cooperation.**

Therefore, IITR and VAUR agree to establish a programme for academic cooperation in areas of mutual interest, and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

**A. Objectives**

The goal of this cooperation is to foster collaboration, provide opportunity for global experience, and to facilitate advancement of knowledge on the basis of reciprocity, best effort, mutual benefit, and frequent interactions, IITR and VAUR agree :

- a) to exchange information on research and educational programmes,
- b) to exchange information on teaching, learning material and other literature relevant to their educational and research programmes,
- c) to jointly organize short-term continuing education programmes on topics of mutual interest and to invite each other's faculty to participate therein,
- d) to jointly organize seminars, conferences, or workshops on topics of mutual interest and to invite each other's faculty to participate therein,
- e) to jointly propose and engage in research or training programmes sponsored by funding agencies, and to invite each other's faculty to participate therein,
- f) to exchange, on a reciprocal basis, students at Undergraduate, Graduate and Doctoral levels for limited periods of time for purpose of education and/or research.

IITR and VAUR agree that detailed terms and conditions that guide each activity identified above will be separately determined and agreed upon by the two institutions. These terms shall include a technical description of proposed activity, financial arrangements, and person(s) responsible for its implementation, etc.

**B. Joint Sponsored Research, Development and Consulting**

IITR and VAUR agree to help identify and invite faculty members from the other institution to participate in research or development programmes already sponsored by external funding agencies. The terms and conditions for such participation will be worked by mutual agreement between the faculty member(s) and the institution extending such an invitation.

*Amirali Ebrahimi*



*Copy to- Meeting Section, to report in next BoG*

When a faculty member visits the other institution on invitation or as part of such joint research project, then such a visit will be classified as such, and handled as per rules of the individual institution.

### **C. Exchange of Faculty, Scientists and Staff**

IITR and VAUR agree to encourage collaboration between faculty and scientists from the two institutions. Specifically, the institutions will encourage members of their faculty to undertake short visits to, or take up fixed-term visiting assignments at, each other's institution during vacation periods or sabbatical leave. The terms and conditions for each visit or an assignment, including those concerning stipend, travel, and housing, will be worked out between the concerned faculty member and the institution extending an invitation.

Notwithstanding the above, IITR and VAUR will examine ways to identify financial resources to fund international travel by their faculty/scientists/students.

### **D. Student Exchange**

IITR and VAUR agree that student exchange will be guided by principles listed below. A home institution refers to the institution where a student is a full-time student, and from where he/she is expected to graduate. A host institution refers to an institution that receives a student for a brief period of time to undertake a pre-determined programme of study or research.

- a) Exchange students will be selected by mutual agreement between the home institution and the host institution.
- b) An exchange student will continue to be treated as full-time student at his/her home institution.
- c) An exchange student will be considered as full-time "exchange" student at the host institution.
- d) His/her program of study at the host institution will be determined by mutual consultation between his/her academic advisor at the home institution and his/her "interim" academic advisor identified by the host institution.
- e) The host institution will evaluate an exchange student's performance in each course or module, award a letter grade or marks, and issue a letter to that effect.
- f) The home institution may award to the exchange student credits earned at a host institution, but only after the home institution has established correspondence between courses taken at the host institution vis-à-vis those offered at the home institution.
- g) If an exchange student has undertaken research, then the host institution will evaluate the exchange student's performance in the research, and issue a letter to that effect, together with a technical "report" of the research carried out,
- h) If an exchange student has undertaken research, then the home institution will take note of the performance evaluation and the technical report, and take steps in accordance with its own procedures.

## I. Tenure and Termination

This MoU will take effect from the date it is signed by representatives of the two institutions. It will remain valid for five years, and may be continued thereafter after suitable review and agreement.

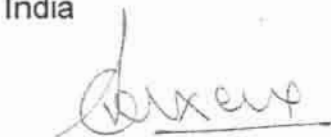
Either institution may terminate the MoU by giving written notice to the other institution six months in advance. Once terminated, neither IITR nor VAUR will be responsible for any losses, financial or otherwise, which the other institutions may suffer. However, IITR and VAUR will ensure that all activities in progress are allowed to complete successfully.

## J. Arbitration Clause

Should there be a dispute relating to any aspect of academic cooperation, Director, IITR and Vice Chancellor, VAUR will jointly resolve the dispute in a spirit of independence, mutual respect, and shared responsibility.

Signed for

Indian Institute of Technology Roorkee  
India



Professor S.C. Saxena  
Director

Witness:



1. Professor Surendra Kumar  
Dean, Finance & Planning



2. Professor G.S. Srivastava  
Dean, Academic Studies

Dated : January 6, 2009

Signed for

Vali-e-Asr University, Rafsanjan  
Iran



Dr. Mehdi Ebrahimejad  
Vice Chancellor

Witness:



1. Dr. Vahid Farzam  
Dean of Finance & Planning

2. Dr. (Ms) Sohila Faghfori  
Dean of Student Affairs and  
Head of International Relations

