

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



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MEETING SECTION INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



Minutes of the 49th Meeting of the Senate held on 15th July 2013 in the Senate Hall of the Institute.

Following were present:

1.	Prof. Pradipta Banerji	Director & Chairman
2.	Prof. S.P. Gupta	Dy. Director
3.	Prof. S.Y. Kulkarni	(Architecture & Planning)
4.	Prof. Ramasare Prasad	(Biotechnology)
5.	Prof. Bikash Mohanty	(Chemical Engineering)
6.	Prof. I.D.Mall	(Chemical Engineering)
7.	Prof. Vijay Kumar Agarwal	(Chemical Engineering)
8.	Prof. Ravi Bhushan	(Chemistry)
9.	Prof. Anil Kumar	(Chemistry)
10.	Prof. (Mrs.) Mala Nath	(Chemistry)
11.	Prof. A.K.Singh	(Chemistry)
12.	Prof. U.P. Singh	(Chemistry)
13.	Prof. M.R. Maurya	(Chemistry)
14.	Prof. S.S. Jain	(Civil Engineering)
15.	Prof. Deepak Kashyap	(Civil Engineering)
16.	Prof. P. K.Garg	(Civil Engineering)
17.	Prof. Pradeep Bhargava	(Civil Engineering)
18.	Prof. Satish Chandra	(Civil Engineering)
19.	Prof. Mahendra Singh	(Civil Engineering)
20.	Prof. M. Parida	(Civil Engineering)
21.	Prof. Praveen Kumar	(Civil Engineering)
22.	Prof. N.K. Samadhiya	(Civil Engineering)
23.	Prof. K.S.Hari Prasad	(Civil Engineering)
24.	Prof. Akhil Upadhyay	(Civil Engineering)
25.	Prof. Z. Ahmad	(Civil Engineering)
26.	Prof. Ashwani Kumar	(Earthquake Engineering)
27.	Prof. Amita Sinvhal	(Earthquake Engineering)
28.	Prof. Yogendra Singh	(Earthquake Engineering)
29.	Prof. A.K. Saraf	(Earth Sciences)
30.	Prof. G.J.Chakrapani	(Earth Sciences)
31.	Prof. A.K. Sen	(Earth Sciences)
32.	Prof. Pramod Agarwal	(Electrical Engineering)


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| 33. | Prof. A.K. Saxena | (Electronics & Communication Engg.) |
| 34. | Prof. M.J. Nigam | (Electronics & Communication Engg.) |
| 35. | Prof. M.V. Kartikeyan | (Electronics & Communication Engg.) |
| 36. | Prof. Dharmendra Singh | (Electronics & Communication Engg.) |
| 37. | Prof. N.K. Goel | (Hydrology) |
| 38. | Prof. Himanshu Joshi | (Hydrology) |
| 39. | Prof. M. Perumal | (Hydrology) |
| 40. | Prof. D.K. Nauriyal | (Humanities & Social Sciences) |
| 41. | Prof. S.P. Singh | (Humanities & Social Sciences) |
| 42. | Prof. (Mrs.) Rashmi Gaur | (Humanities & Social Sciences) |
| 43. | Prof. A.K. Singh | (Paper Technology) |
| 44. | Prof. S.P. Singh | (Paper Technology) |
| 45. | Prof. Y.S. Negi | (Paper Technology) |
| 46. | Prof. S.P. Sharma | (Mathematics) |
| 47. | Prof. Roshan Lal | (Mathematics) |
| 48. | Prof. Satish C. Sharma | (Mechanical & Industrial Engg.) |
| 49. | Prof. P.K. Jain | (Mechanical & Industrial Engg.) |
| 50. | Prof. Dinesh Kumar | (Mechanical & Industrial Engg.) |
| 51. | Prof. B.K. Gandhi | (Mechanical & Industrial Engg.) |
| 52. | Prof. Ravi Kumar | (Mechanical & Industrial Engg.) |
| 53. | Prof. (Mrs) Vijaya Agarwal | (Metallurgical & Materials Engg.) |
| 54. | Prof. S.K. Nath | (Metallurgical & Materials Engg.) |
| 55. | Prof. Anjan Sil | (Metallurgical & Materials Engg.) |
| 56. | Prof. A.K. Jain | (Physics) |
| 57. | Prof. Ravindra Nath | (Physics) |
| 58. | Prof. Deepak Khare | (WRD&M) |
| 59. | Prof. R.P. Saini, Head, Alternate Hydro Energy Centre | |
| 60. | Dr. C.B. Majumdar, Associate Dean, SRIC | |
| 61. | Dr. (Ms) Bina Gupta, Associate Professor, Department of Chemistry | |
| 62. | Dr. Vikas Pruthi, Associate Professor, Department of Biotechnology | |
| 63. | Lt. Col. (Retd) A.K. Srivastava, Registrar & Secretary, Senate | |

The Chairman (Director) welcomed the members to the 49th Meeting of the Senate.

At the outset, the Chairman thanked the following outgoing members of the Senate and recorded his appreciation for their valuable contribution in the meetings of the Senate.

1. Prof. U.C. Chaube, Department of Water Resources Development & Management
2. Prof. A.K. Sarje, Department of Electronics & Communication Engineering

The Senate noted the communication received from the following members for not attending the current meeting.


30/7/2013

1. Prof. M.L.Kansal, Department of WRD&M
2. Prof. Girishwar Mishra, Delhi University
3. Prof. Bodh Raj Mehta, IIT Delhi
4. Prof. P.K., Ghosh, Department of Metallurgical & Materials Engg.

The Agenda was then taken up:

Item No. 49.1: To confirm the minutes of the 48th meeting of the Senate held on 20.04.2013.

The minutes of the 48th meeting of the Senate held on 20.04.2013 were confirmed.

Item No. 49.2: To receive a report on the actions taken to implement the decisions taken by the Senate in its 48th meeting held on 20.04.2013.

The Senate noted the action taken on the resolutions of the 48th meeting of the Senate held on 20.04.2013.


Item No. 49.3: To consider the constitution of Institute Academic Research Committee (previously Board of Research) for a period of 2 years (for sessions 2013-14 and 2014-15).

The Senate decided as under:

1. The composition of the Institute Academic Research Committee be approved as under:


- I. The Dean, Academics (ex officio), - Chairman
- II. Associate Dean, Academic Research (Vice-Chairman)
- III. Associate Dean, Academic Studies
- IV. Two Senate Nominees
- V. One representative of each Academic Department/ Centre organizing research programmes nominated by the Faculty committee
- VI. Three Students' nominated by the Dean of Students' Welfare
- VII. Deputy Registrar (Academics), Secretary (ex officio)

2. The nomination of the representatives of the academic Departments/Centres be approved as follows:

 K. K. Mehta
30/7/2013

Sr. No.	Departments/Centres	Name of Nominated Faculty
1.	Mathematics	Dr. S.P. Yadav, Professor
2.	Physics	Dr. B.K. Patra, Associate Professor
3.	Electrical Engineering	Chairman DRC
4.	Management Studies.	Prof. Rajat Aggarwal, Assistant Professor
5.	Alternate Hydro Energy Centre	Dr. M.P. Sharma, Associate Professor
6.	Chemical Engineering	Chairman, DRC
7.	Earth Sciences	Dr. G.J. Chakrapani, Chairman DRC
8.	Metallurgical & Materials Engineering	Dr. R. Jayangthan, Associate Professor
9.	Earthquake Engineering	Chairman, DRC
10.	Hydrology	Dr. N.K. Goel, Professor
11.	Humanities & Social Sciences	Dr. P. Jha, Professor
12.	Civil Engineering	Dr. Satish Chandra, Prof. & Chairman DRC
13.	Mechanical & Industrial Engineering	Dr. Dinesh Kumar, Professor
14.	Water Resource Development & Management	Dr. Nayan Sharma, Prof. & Chairman DRC
15.	Electronics & Communication Engineering	Dr. Dharmendra Singh, Professor
16.	Biotechnology	Dr. Sanjoy Ghosh, Associate Professor
17.	Chemistry	Dr. U.P. Singh, Prof. & Chairman DRC
18.	Paper Technology	Dr. S.C. Sharma, Associate Professor
19.	Architecture & Planning	Dr. S.Y. Kulkarni, Prof. & Chairman, DRC
20.	Centre for Transportation Systems (CTRANS)	Pof. S.S. Jain, CE Deptt.
21.	Centre for Nanotechnology	Dr. P.Gopinath, Assistant Professor
22.	Centre for Disaster Mitigation & Management	DR. D.S. Arya, Associate Professor, AHEC
23.	Institute Instrumentation Centre	Dr. Ramesh Chandra, Head

3. The nomination of the three representatives of the Dean of Students' Welfare be approved as under:


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- (i) Shri Anubhav Agarwal, Department of Electrical Engineering.
- (ii) Shri Amit Kumar, Alternate Hydro Energy Centre
- (iii) Shri Asif Husain Shah, Department of Civil Engineering.

4. The Director (Chairman, Senate) be authorized to nominate two members as representatives of the Senate on behalf of the Senate on the Institute Academic Research Committee.

मद सं० 49.4 :

संस्थान में प्रदान की जाने वाली डिग्रियों के हिन्दी रूपांतर के सम्बन्ध में सीनेट द्वारा गठित उप-समिति की सिफारिशों पर विचार करना ।

सीनेट ने विचार किया कि सीनेट के सदस्यों से प्राप्त टिप्पणियों को रिपोर्ट में शामिल करने के लिए सीनेट द्वारा गठित उप-समिति को यह मुद्दा वापस लौटा दिया जाए । निम्नलिखित तीन सदस्यों को सीनेट की उप समिति में विशेष आमंत्रित के रूप में मनोनित किया जाता है:

- 1. प्रो० डी० के० नौरियाल, मानविकी और सामाजिक विज्ञान विभाग
- 2. प्रो० ए० के० जैन, भौतिकी विभाग
- 3. प्रो० ए०के० सराफ, भू विज्ञान विभाग


सीनेट ने यह भी विचार किया कि समिति की रिपोर्ट को मंजूर करने के लिए निदेशक (अध्यक्ष, सीनेट) को अधिकृत किया है ।

Item No. 49.5: To consider the mercy appeal of certain students of 1st year of the Undergraduate Programme, for allowing them to register in the Autumn Semester 2013-14.

The Senate considered and deliberated over the issue and decided that the names of all those 1st year students of the Undergraduate Programmes who have earned less than 24 credits by the end of the academic session 2012-13, be struck off from the rolls of the Institute on academic grounds, in accordance with Regulation 33 [2(a)] Table 4 of Appendix 'J' of the Regulations applicable for the Undergraduate Programmes.

Item No. 49.6 : Reported the minor changes in the Teaching Scheme of M.Sc. (1) -2nd year and Integrated M.Sc. IV year Autumn and Spring Semester.

The item was withdrawn.


30/7/2013

Item No. 49.7: Reported the signing of MoU between Indian Institute of Technology Roorkee and Shamsheer Prakash Foundation, Rolla MO 65401 (USA) for establishing a Professorial Chair in the field of Soil Dynamics & Geotechnical Earthquake Engineering.

The Senate noted the signing of MoU between Indian Institute of Technology Roorkee and Shamsheer Prakash Foundation, Rolla MO 65401 (USA) for establishing a Professorial Chair in the field of Soil Dynamics & Geotechnical Earthquake Engineering. A copy of the MoU signed in this regard is appended at **Appendix 'A'**.

Item No. 49.8: Report concerning the JAM 2014.

The Senate noted that JAM Advisory Board (JAM-AB) in its meeting held on 18th May 2013 has approved the following proposal related to JAM 2014 for Joint Admission test to Master of Science/Master of Technology (GP) Programmes:

1. All JAM 2014 papers shall be Objective/Machine Readable/ MCQ type.
2. The mode of JAM 2014 examination shall be fully Online (computer based).
3. Discontinuation of Geophysics (GP) paper from JAM 2014 examination.
4. Admission to M.Tech. Geophysical Technology to be based on the merit of PH paper of JAM-2014.
5. The Senate further noted that as decided the MCA course shall be phased out from the session 2014-2015.

Item No.49.9: Report regarding the revision of other charges (fees) for various programmes from the session 2013-14.

The Senate noted the revision of other charges (fees) for various programmes from the session 2013-14 as per the details given in the Table below:


30/7/2013

OTHER INSTITUTE FEES			
Examination Fees	350	300	Uniformly at par with other IITs
Registration	150	300	
Gymkhana Activities	-	3000	Extra curricular fee and Common facilities have been merged with Gymkhana.
Medical Fees	50	500	Medical Fund merged
Internet & Computer Charges (UG,M.Sc., MCA & M.Tech. (ES)/ M.Tech. & MBA/ Ph.D.)	500/600/750	500	Uniformly at par with other IITs
Extra Curricular Activity	1000	-	Merged with Gymkhana Activities.
Medical Fund (DOSW Discretionary Fund)	200	-	Merged with Medical Fee
Common Facility in Bhawan other than rent	1800	-	Merged with Gymkhana Activities.
SUB TOTAL	4150	4600	
HOSTEL FEES			
Hostel Seat Rent	2000/2400	2500/3000	Uniformly at par with other IITs
Fan, Electricity and Water Charges	2000/2400	2500/3000	
Hostel/Mess subsidy contribution	-	2000	
SUB TOTAL	4000/4800	7000/8000	

Item No.49.10: Report regarding the approval of the remaining syllabi of 1st year (Autumn Semester) under the New Academic Curricula.

The Senate noted that the following remaining syllabi of 1st year (Autumn Semester) under New Academic Curricula have been approved. The Structure has already been approved by the Senate in its 48th meeting held on 20.04.2013.

AR-101 : Introduction to Architecture
 BT-101 : Introduction to Biotechnology
 BT-103 : Computer Systems and Programming
 CH-101 : Introduction to Chemical Engineering

[Signature]
 30/7/2013

CH-103	: Computer Programming and Numerical Analysis
CE-001	: Introduction to Environmental Science
CE-101	: Introduction to Civil Engineering
CE-103	: Numerical Methods and Computer Programming
ES-101	: Introduction to Earth Sciences
ES-103	: Computer Programming
CS-101	: Introduction to Computer Science & Engineering
CS-103	: Fundamentals of Object Oriented Programming
EC-101	: Introduction of Electronics & Communication Engg.
EE-101	: Programming in C++
EE-103	: Introduction to Electrical Engineering
HS-002	: Ethics and Self Awareness
MA-101	: Introduction to Mathematical Sciences
MA-103	: Introduction to Computer Programming
MI-103	: Programming and Data Structures
MI-101A	: Introduction to Mechanical Engineering
MI-101B	: Introduction to Production and Industrial Engg.
MT-101	: Introduction to Metallurgical and Materials Engg.
MT-103	: Computer Programming
PH-101	: Introduction to Physical Sciences
PH-103	: Computer Programming
CS-103S	: Introduction to Computer Programming
PP-101	: Introduction to Pulp and Paper Engineering
PE-101A	: Introduction to Polymer Engineering
PE-101B	: Introduction to Process Engineering

Item No. 49.11: To consider the report of the committee constituted for proposing new grading system for the evaluation of courses of various programmes at IIT Roorkee.

The Senate decided that the issue be withdrawn and circulated to all the Heads of the Departments/ Centres for perusal and sending their comments to the Dean, Academics. An agenda item in this regard be prepared by the Dean, Academics and placed before the Senate for consideration.


Item No. 49.12: Report the changes in the Clause No. 18(7) and 24(8) of the Ordinances & Regulations of the Academic Programmes for the year 2013.

The Senate noted the few changes in the under-mentioned Clauses of the Ordinances & Regulations of the Academic Programmes for the year 2013:

(Signature)
30/7/2013

Ordinance/ Regulation No.	Revised Phrase/Clause (2013)
Regulation: Clause 18(7)	A student may register for a <u>minimum of 12 credits and a maximum of 24 credits in a semester</u> . But on the recommendation of the Department/ Centre, Dean, Academics, may allow a student to register for a maximum of 28 credits <u>in a semester</u> and in not more than two semesters during the entire programme for fulfilling the requirements of minimum earned credits. <u>In case student is not allowed to register the courses of current semester due to back paper(s) of previous year, he/she may register for credits less than 12 depending on number of back papers.</u> However, the credits for NCC/NSS/NSO/Rangering, Proficiency and Discipline shall not be counted for this purpose.
Regulation: Clause 24(8)	Additional (Audit/Credit) Course A student of a UG/IDD/IMD programme may register for additional course(s) within prescribed limits as advised by the Programme Advisor. These additional courses may be Audit and/or Credit in nature. The guidelines for the grant of these courses and award of grades are given in Appendix-E4.

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

 *Kusum*
30/7/2013

MEMORANDUM OF AGREEMENT
BETWEEN
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE (INDIA)
AND
SHAMSHER PRAKASH FOUNDATION, ROLLA MO 65401(USA)

NOW THIS MEMORANDUM OF UNDERSTANDING WITNESSED AND IT IS HEREBY AGREED AND DECLARED BY AND BETWEEN THE INDIAN INSTITUTE OF TECHNOLOGY ROORKEE (IITR) (HEREINAFTER REFERRED TO AS THE FIRST PARTY) AND SP FOUNDATION, ROLLA (HEREINAFTER REFERRED TO AS THE SECOND PARTY)

1. OBJECTIVE

The creation of the position of SHAMSHER PRAKASH Chair Professor (hereinafter referred to as SP Chair Professor) shall accelerate research and development, teaching and training in the area of the SOIL DYNAMICS, and GEOTECHNICAL EARTHQUAKE ENGINEERING, in the country. The Shamsheer Prakash Chair Professor shall provide leadership in one or more of the following areas:

- To provide inputs through state of the art technology and innovation in soil dynamics, and geotechnical earthquake engineering
- To conduct research and development activities in the field of soil dynamics and geotechnical earthquake engineering
- To disseminate knowledge in planning, design and operation and maintenance for substructures/geotechnical components of infrastructures under seismic loading through standards, guidelines, seminars, training and user manuals.

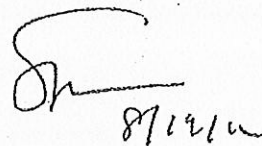
2. ACTIVITIES

The SP Foundation Chair Professor shall contribute to any of the following activities in the areas of soil dynamics and earthquake engineering:

- Teach and conduct research and development activities
- Formulate state of the art reports, guidelines, standards and user manuals
- Organize/participate in seminars on current issues
- Organize training workshops for the national and international groups of engineers and scientists.
- Other activities deemed relevant to soil dynamics and earthquake engineering.

3. CONTRIBUTION

3.1 SP Foundation Contributions



8/12/11

In order to build up the necessary capacity at the Indian Institute of Technology Roorkee, the Shamsher Prakash Foundation will provide a one time endowment grant of Rupees One Crore Fifty Lacs only for creating the position of SP Chair Professor at the Indian Institute Of Technology Roorkee, whose recurring expenditure with related infrastructure, as may be considered essential, shall be met from the interest/dividend accrued on this one time donation from the Shamsher Prakash Foundation, Rolla. Alternatively, the Shamsher Prakash Foundation will contribute towards the said endowment grant in eight equal yearly installments each of Rupees twenty-five Lakhs only. The scheme will be launched on receipt of the first installment. It will sustain perpetually only on receipt of all eight installments over a period not exceeding eight years from commencement.

3.2 Contribution by the Indian Institute of Technology Roorkee

The Indian Institute of Technology Roorkee shall provide equipment and other facilities needed for conducting the research, development and training activities as its contribution for the functioning of the SP Chair.

4. Selection and Placement

The Guidelines for selection to the Chair and the related qualifications shall be as per norms of IIT Roorkee. The SP Chair Professor shall be appointed in an appropriate Department of the Institute based on his/her area of teaching and research. The appointment of SP Chair Professor shall be done as per Institute rules from time to time. However, during the lifetime of Dr Shamsher Prakash, he will be a member of the selection committee. He may, alternatively, nominate a distinguished Professional to represent him in the selection process.

5. Nothing contained herein shall be construed as establishing or creating a relationship of master and servant or principal and agent between the SP Foundation and the Indian Institute of Technology Roorkee or the employees of the Indian Institute of Technology Roorkee and the SP Foundation, or Chair appointees and SP Foundation, or any person directly or indirectly associated with operationalizing the collaboration for the said SP Chair Professor.

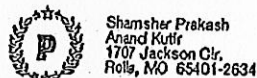
IN WITNESS WHEREOF THE PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT ON THE SIXTEENTH OF AUGUST TWO THOUSAND TWELVE

Signed for and on behalf of the
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
INDIA

Signed for and on behalf of
SHAMSHER PRAKASH FOUNDATION,
ROLLA MO USA

(Pradipta Banerji)
Director

निदेशक / Director
भारतीय प्रौद्योगिकी संस्थान रुड़की / IIT Roorkee



PRESIDENT, SP Foundation

Witness:

S. P. Gupta

16th Aug. 2012

Dated: कुलशासक, एल्युमनी एफेयर्स / Dean, Alumni Affairs
भारतीय प्रौद्योगिकी संस्थान रुड़की / I.I.T. Roorkee

Witness:

Lokeswarappa Dhairani
ME Dept

Dated: 8/15/12