

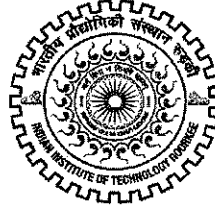
सीनेट की उनहत्तरवीं बैठक का कार्यवृत्त
MINUTES OF THE 69th MEETING OF THE SENATE

28 जुलाई 2017
28th JULY 2017



भारतीय प्रौद्योगिकी संस्थान रुड़की
रुड़की – 247 667 (भारत)
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE – 247 667 (INDIA)

भारतीय प्रौद्योगिकी संस्थान रुड़की
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MEETING SECTION
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE



**Minutes of the 69th Meeting of the Senate held on 28.07.2017 at 3.30 P.M.
in the Senate Hall of the Institute.**

Following were present:

- | | | |
|-----|--------------------------|----------------------------------|
| 1. | Prof. Ajit K. Chaturvedi | Director |
| 2. | Prof. V. Devdas | (Architecture & Planning) |
| 3. | Prof. Ila Gupta | (Architecture & Planning) |
| 4. | Prof. R.P. Singh | (Biotechnology) |
| 5. | Prof. Partha Roy | (Biotechnology) |
| 6. | Prof. Bikash Mohanty | (Chemical Engineering) |
| 7. | Prof. C.B. Majumdar | (Chemical Engineering) |
| 8. | Prof. P.P. Kundu | (Chemical Engineering) |
| 9. | Prof. Ravi Bhushan | (Chemistry) |
| 10. | Prof. Anil Kumar | (Chemistry) |
| 11. | Prof. (Mrs.) Mala Nath | (Chemistry) |
| 12. | Prof. U.P. Singh | (Chemistry) |
| 13. | Prof. M.R. Maurya | (Chemistry) |
| 14. | Prof. K.C. Gupta | (Chemistry) |
| 15. | Prof. Bina Gupta | (Chemistry) |
| 16. | Prof. S.S. Jain | (Civil Engineering) |
| 17. | Prof. C.S.P. Ojha | (Civil Engineering) |
| 18. | Prof. Pradeep Bhargava | (Civil Engineering) |
| 19. | Prof. S.K. Ghosh | (Civil Engineering) |
| 20. | Prof. Praveen Kumar | (Civil Engineering) |
| 21. | Prof. K.S. Hari Prasad | (Civil Engineering) |
| 22. | Prof. Akhil Upadhyay | (Civil Engineering) |
| 23. | Prof. Z. Ahmad | (Civil Engineering) |
| 24. | Prof. Kamal Jain | (Civil Engineering) |
| 25. | Prof. B.R. Gurjar | (Civil Engineering) |
| 26. | Prof. Manoj Mishra | (Computer Science & Engineering) |
| 27. | Prof. M.L. Sharma | (Earthquake Engineering) |
| 28. | Prof. Yogendra Singh | (Earthquake Engineering) |
| 29. | Prof. B.K. Maheshwari | (Earthquake Engineering) |
| 30. | Prof. Pankaj Agrawal | (Earthquake Engineering) |
| 31. | Prof. Manish Shrikhande | (Earthquake Engineering) |
| 32. | Prof. D.C. Srivastava | (Earth Sciences) |

A

33.	Prof. D.K. Mukhopadhyay	(Earth Sciences)
34.	Prof. A.K. Sen	(Earth Sciences)
35.	Prof. Anand Joshi	(Earth Sciences)
36.	Prof. R. Krishnamurthi	(Earth Sciences)
37.	Prof. Pramod Agarwal	(Electrical Engineering)
38.	Prof. S.P. Srivastava	(Electrical Engineering)
39.	Prof. N.P. Padhy	(Electrical Engineering)
40.	Prof. Rajendra Prasad	(Electrical Engineering)
41.	Prof. Biswarup Das	(Electrical Engineering)
42.	Prof. Dharmendra Singh	(Electronics & Communication Engg.)
43.	Prof. N.K. Goel	(Hydrology)
44.	Prof. Himanshu Joshi	(Hydrology)
45.	Prof. M. Perumal	(Hydrology)
46.	Prof. D.S. Arya	(Hydrology)
47.	Prof. Sukh Pal Singh	(Humanities & Social Sciences)
48.	Prof. (Mrs.) Rashmi Gaur	(Humanities & Social Sciences)
49.	Prof. Y.S. Negi	(Paper Technology)
50.	Prof. Dharam Dutt	(Paper Technology)
51.	Prof. S.C. Sharma	(Paper Technology)
52.	Prof. S. Rangenekar	(Management Studies)
53.	Prof. R.C. Mittal	(Mathematics)
54.	Prof. Roshan Lal	(Mathematics)
55.	Prof. Kusum Deep	(Mathematics)
56.	Prof. Tanuja Srivastava	(Mathematics)
57.	Prof. S.P. Yadav	(Mathematics)
58.	Prof. S.C. Sharma	(Mechanical & Industrial Engg.)
59.	Prof. Dinesh Kumar	(Mechanical & Industrial Engg.)
60.	Prof. B.K. Gandhi	(Mechanical & Industrial Engg.)
61.	Prof. B.K. Mishra	(Mechanical & Industrial Engg.)
62.	Prof. P.K. Sahoo	(Mechanical & Industrial Engg.)
63.	Prof. D.K. Dwivedi	(Mechanical & Industrial Engg.)
64.	Prof. Navneet Arora	(Mechanical & Industrial Engg.)
65.	Prof. S.K. Nath	(Metallurgical & Materials Engg.)
66.	Prof. Anjan Sil	(Metallurgical & Materials Engg.)
67.	Prof. Ujjwal Prakash	(Metallurgical & Materials Engg.)
68.	Prof. Rajesh Srivastava	(Physics)
69.	Prof. Vir Singh	(Physics)
70.	Prof. (Mrs.) Tashi Nautiyal	(Physics)
71.	Prof. K.L. Yadav	(Physics)
72.	Prof. Davinder Kaur Walia	(Physics)
73.	Prof. G.D. Varma	(Physics)
74.	Prof. M.L. Kansal	(WRD&M)
75.	Prof. Deepak Khare	(WRD&M)
76.	Prof. S.K. Mishra	(WRD&M)
77.	Prof. Ramesh Chandra	(Institute Instrumentation Centre)
78.	Prof. R.P. Saini	(Alternate Hydro Energy Centre)

79. Prof. M.P. Sharma (Alternate Hydro Energy Centre)
80. Prof. Arun Kumar (Alternate Hydro Energy Centre)
81. Dr. R. Balasubramanian, Head, Institute Computer Centre
82. Dr. P. Gopinath, ADOAA (Admission)
83. Dr. Vipul Rastogi, ADOAA (Curriculum)
84. Dr. Rajat Rastogi, ADOAA (Evaluation)
85. Dr. S.H. Upadhyay, Associate Dean of Students' Welfare (Mess facilities)
86. Dr. Pravindra Kumar, Associate Dean, Corporate Interaction (ADCI)
87. Dr. C. Jayakumrar, Librarian, M.G. Central Library
88. Dr. Manish Mishra, Associate Professor, Dept. of Mech. & Indl. Engineering
89. Dr. Umesh Sharma, Associate Professor, Department of Civil Engineering
90. Dr. K.R. Justin Thomas, Associate Professor, Department of Chemistry

Students' representatives:

91. Mr. Manik Verma, General Secretary, Students' Affairs Council
92. Mr. Saksham Agarwal, General Secretary Academic Affairs (UG)
93. Mr. Rajesh Kumar Vishwakarma, General Secretary Academic Affairs (PG)
94. Mr. Vaibhaw Sagar, Nominee of the Executive Committee of the Students' Senate
95. Mr. Prashant Garg
Registrar & Secretary, Senate

At the outset, the Chairman, Senate greatly appreciated the sincere services of Prof. Pramod Agarwal and placed on record his valuable contributions in the meetings of the Senate as Dean Academics.

The Chairman welcomed the members to the 69th meeting of the Senate.

The Chairman also welcomed the under-mentioned new members to the Senate and hoped for their valuable contributions and active participation in its functioning:

1. Prof. N.P. Padhy, as Dean of Academic Affairs
2. Prof. P.S. Chani, Head, Department of Architecture & Planning
3. Prof. P. Gopinath, ADOAA (Admission)
4. Prof. Rajat Rastogi, ADOAA (Evaluation)
5. Prof. M.K. Pathak, Associate Dean Infrastructure (Electrical and A/C)
6. Prof. S.H. Upadhyay, Associate Dean of Students' Welfare (Bhawan)
7. Prof. Aalok Mishra, Associate Dean of Students' Welfare (Students' Wellness)
8. Prof. Pravindra Kumar, Associate Dean, Corporate Interaction (ADCI)
9. Prof. M.K. Barua, Associate Dean Students' Welfare (Students Activities)

Students' representatives inducted in the Senate:

1. Mr. Manik Verma, General Secretary, Students' Affairs Council
2. Mr. Saksham Agarwal, General Secretary Academic Affairs (UG)
3. Mr. Rajesh Kumar Vishwakarma, General Secretary Academic Affairs (PG)
4. Mr. Vaibhaw Sagar, Nominee of the Executive Committee of the Students' Senate

The Chairman thanked and placed on record the valuable contributions of the under-mentioned outgoing Senate members in the meetings of the Senate:

1. Prof. P.K. Ghosh, Department of Metallurgical & Materials Engineering
2. Prof. A.K. Sharma, Associate Dean (Academic Studies)
3. Prof. R.K. Peddinti, Associate Dean (Academic Research)

The Senate noted the communications received from the following members for their inability to attend the current meeting:

1. Prof. Pushplata, Department of Architecture & Planning
2. Prof. Rama Bhargava, Department of Mathematics
3. Prof. M. Parida, Department of Civil Engineering
4. Prof. Aalok Mishra, Associate Dean of Students' Welfare (Students' Wellness)
5. Prof. Mahendra Singh, Department of Civil Engineering
6. Prof. Nagendra Kumar, Department of Humanities & Social Sciences
7. Prof. Shishir Sinha, Department of Chemical Engineering
8. Prof. Rajat Agarwal, Department of Management Studies
9. Prof. V.K. Agarwal, Department of Chemical Engineering
10. Prof. A.A. Kazmi, Department of Civil Engineering

The Agenda was then taken up:

Item No. 69.1: To confirm the minutes of the 68th meeting of the Senate held on 02.03.2017.

Minutes of the 68th meeting of the Senate as recorded and circulated vide e-mail dated 31.03.2017 were confirmed after consideration of the comments as received on the following items:

Item No.	Comments Received	Decision taken
68.8	The small modifications in research entities for Saharanpur Campus are already sent vide	No change in the circulated minutes.

	<p>letter No. 2019 dated 20.02.2017. Please include the following modified Broad Academic Entity (Research Areas) in the final list</p> <p>Paper Technology:</p> <ul style="list-style-type: none"> • Pulp & Paper Engineering • Environment Science & Engineering • Packaging Science and Engineering • Packaging Design and Development • Chemical Engineering • Bio-Technology • Chemistry <p>Polymer & Process Engineering:</p> <ul style="list-style-type: none"> • Polymer Science & Engineering • Process Modelling and Simulation • Bio-Engineering • Material Science 	
68.12	<p>I as Chairman DRC & Senate member from Saharanpur Campus express the concern of faculty members of all the three departments of Saharanpur Campus about item No. 68.12. Please include the faculty members of other specialization like Computer Sc., Chemical Engg., Applied Science (Phy., Chem., Maths, Bio Tech. etc.) in the Ph.D. admission selection committee of respective departments at Roorkee Campus. However, initially for at least 1-2 years, the departments of Saharanpur campus be allowed to continue with the existing practice of inviting applications in respective disciplines of individual faculty members.</p>	

68.13	<p>Please refer to the minutes of the 68th meeting of the Senate held on 02.03.2017. It appears that there is ambiguity in the following noted minutes of item no. 68.13.:</p> <p>Item No.68.13:To consider the minor corrections in the Ph.D. Ordinances & Regulations regarding thesis evaluation.</p> <p>The members were informed that some changes as given in Appendix 'D' were approved by the then Director as Chairman, Senate regarding thesis evaluation. During discussion, few related issues were raised by the members. After discussion, it was decided that no further changes be made and the entire matter be reviewed by a Committee.</p> <p>It is requested that the minutes of the said item may please be clarified.</p>	<p>It was decided that the words "as given in Appendix 'D'" be deleted from the minutes of item No. 68.13.</p>
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Item No. 69.2: To receive a report on the actions taken to implement the decisions taken by the Senate in its 68th meeting held on 02.03.2017.

The Senate noted the actions taken on the said minutes and added the following in item No. 68.36:

The tenure of the Panel of Senate's Nominees on the Selection Committees for Group 'A' Academic Positions will be three years.

Item No. 69.3: To consider the payment of Fellowship to M.Tech. students after submission of dissertation upto 30th June or till the period student stays in the campus for any work related to dissertation, whichever is earlier.

The Senate approved the proposal.



Item No. 69.4: To consider the proposal received from DOSW for inclusion of Cinematic Section in the list of proficiencies.

The Senate approved the proposal.

Item No. 69.5: To consider the renaming of some sections of the Hobbies Club received from Chief Advisor, Hobbies Club.

The Senate approved the proposal.

Item No. 69.6: To consider course evaluation issues of differently abled students.

The Senate approved the proposal. Further, it was decided that a committee be constituted to consider and approve the needs of individual differently abled students for extra time in examinations (MTE & ETE), and/or services of scribes and/or for large font size question papers.

Item No. 69.7: To consider the percentage formula for the students who have CGPA between 4.00 and 5.00 because the converted formula is available from CGPA 5.00 and onward.

The Senate decided that the Grading Committee will study the formula and submit its recommendations for consideration of the Senate. Till that time, the following extended formula, as recommended by the IAPC, be used for training and placement purposes.

CGPA	Equivalent percentage of marks
$4.00 \leq \text{CGPA} \leq 9.00$	$10 * \text{CGPA} + 5.00$
$\text{CGPA} > 9.00$	95.00

Item No.: 69.8: To consider to delegate the power by Senate for approving the revised curricula and syllabi of courses of studies for various departments/Centres.

The Senate accepted the proposal alongwith the following provision:

Each such proposal will be circulated to faculty-iitr e-mail group by the Chairperson of the DAPC/CAPC. Comments received and the replies of the proposers will be placed before IAPC.

Ah.

Item No. 69.9: To consider the decision taken vide Senate Item No. 68.10 with respect to switch-over from M.Tech. to Ph.D. programme: To include centres running M.Tech. programme.

The Senate approved the proposal.

Item No.69.10: To consider the Research Areas recommended by Four Departments.

The Senate approved the proposal.

Item No. 69.11: To consider for allowing B.Tech. + M.Tech. in Computer Science programme for eligibility of Ph.D. admission in the Department of Electronics & Communication Engineering.

The Senate approved the proposal.

Item No. 69.12: To consider the proposal of increasing the duration for candidacy in Ph.D. programme.

The Senate approved the proposal.

Item No. 69.13: To consider the admission of Project Fellows, working in a consultancy project having R&D component as a Ph.D. research scholar.

Considered and decided that the issue be referred back to IRC to examine the issues related to NOC, quantum of fund, research component in the project, tenure of the project etc. and submit its comprehensive recommendation to the Senate for consideration.

Item No. 69.14: To consider re-constitution of the Evaluation Committee for CSIR and UGC fellows who enroll themselves as Ph.D. candidate for upgradation from JRF to SRF.

The Senate did not accept the proposal.

Item No. 69.15: To consider provision of rolling advertisement for admitting Ph.D. candidates under national funding schemes other than ITR Assistantship and procedure thereafter.

The Senate approved the proposal. Further, it was decided that the Academic Office will come out with a rolling

advertisement for Ph.D. admissions through research funding schemes other than IITR Assistantship. The applications shall be received in the departments and the departments will conduct the interviews on a suitable date. The list of selected candidates, who will be offered admission in the next semester, will be sent by the department to the Academic office for further processing. However, such candidates will start working as JRF in the project from their date of selection.

Item No. 69.16: To consider new criteria for Ph.D. admission in the CSE as proposed by the Department of Computer Science & Engineering.

The Senate approved the proposal.

Item No. 69.17: To consider conduct of viva-voce of Ph.D. candidate through Skype under conditions that examiner is not in a position to travel to IITR.

The Senate approved the proposal for conducting viva-voce examination for Ph.D. through Skype or any other digital communication medium.

Item No. 69.18: To consider the admission of candidate for Ph.D. working as Woman scientist under national funding scheme.

The Senate approved the procedure for selection as per the procedure for Sponsored Research Project Fellows with the mentor playing the role of the Principal Investigator (PI).

Item No. 69.19: To consider the certificate mentioning research area with regard to Ph.D. Degree.

The Senate approved the degree format as given in **Appendix 'A'**.

Item No. 69.20 To consider the changes in the provisional certificate to be issued to Undergraduates in line with the New Structure and to report the approved certificates for batch 2017.

The Senate approved the format as given in **Appendix 'B'**.

Item No. 69.21: To consider the revised Minimum Educational Qualification (MEQs) for JAM 2018

The Senate approved the proposal.

Item No. 69.22: To consider the proposal of permitting III year (IV year) students to register for one course of I year (II year) as back paper.

The Senate approved the proposal. Further, it was decided that the Academic Office will review the policy on penalty.

Item No. 69.23: To consider Dress Code for various dignitaries/faculty members/graduating students at Convocation 2017 and onwards.

The Senate in principle approved the switchover to a new dress code. Further, it was decided that a committee be constituted by the Director to examine the issue. If the changes can not be done this year, these may be done next year.

Item No. 69.24: To consider holding of Annual Convocation of the Institute for the award of degrees to various graduating students on two days instead of one day as presently done.

The Senate approved the proposal.

Item No. 69.25: To consider award of the Ph.D. Degrees to the students who have completed the requirements for the award of the Ph.D. Degree in various disciplines w.e.f. 3rd March 2017 to till date.

The Senate recommended to the Board the award of Ph.D. Degrees to the students who have completed the requirements for the same in various disciplines as presented before the Senate.



Item No. 69.26: To consider the proposal for Senate Standing Committee for Scholarships and Prizes for students.

The proposal was approved. However, the constitution of SCSP was modified as under:

1. Chair - to be nominated by Chairperson, Senate
2. Two faculty members to be nominated by the Chairperson, Senate.
3. Two students' representatives:
 - (i) General Secretary, Academic Affairs (UG) or his/her nominee
 - (ii) General Secretary, Alumni Affairs or his/her nominee

Item No. 69.27: To report the syllabi of M.Tech. (Photonics) proposed by the Physics Department.

The Senate noted the item.

Item No.69.28: To report the Seat Matrix for JEE/JAM-2017 and inform the provisions to be made regarding implementation of Section (32)(1) of the Rights of Persons with Disabilities Act, 2016 from next academic year.

The Senate noted the item.

Item No. 69.29: To report the minor modifications in B.Tech. (Engineering Physics) and M.Sc. (Physics) course structures as proposed by the Department of Physics.

The Senate noted the item.

Item No. 69.30: To report the syllabus of MAN-657: Advanced Operations Research, as proposed by the Department of Mathematics.

The Senate noted the item.

Item No. 69.31: To report the course structure of Integrated M.Sc. (Physics) and Integrated M.Sc. (Chemistry) and syllabus of course CYN-101 Introduction of Chemical Science.

The Senate noted the item.



Item No. 69.32: To report the extension of IITR Assistantship to research scholars till defence.

The Senate noted the item.

Item No. 69.33: To report the extension granted to Mr. Ajay Jain, Enrolment No. 10114002 B. Tech. (CSE).

The Senate noted the item.

Item No. 69.34: To report the extension granted to Mr. Supandeep Singh, B. Tech. (P&P) for re-examination in the course PEN-352.

The Senate noted the item.

Item No. 69.35: To report the action on mercy appeals by Mr. Narender Kumar, M.Tech. II year (Geological Technology) and Ms. Saloni Agarwal, Integrated M.Tech. I year (Geological Technology).

The Senate noted the item.

Item No. 69.36: To report the syllabi of courses related to Department of Humanities & Social Sciences and Centre of Excellence in Disaster Mitigation and Management.

The Senate noted the item.

Item No. 69.37: To report the action on the request of Ms. Nidhi (16925005), Research Scholar, I year, to convert her Credit Course into Audit Course for continuing in the Ph.D. programme.

The Senate noted the item.

Item No. 69.38: To report the action taken on the recommendation of ICC regarding continuation of Research Scholar C8 in the Ph.D. programme with a new supervisor.

The Senate noted the item.



Item No.69.39: To report the James Thomason Scholarship for JEE (Advanced) entrants with All India Rank (AIR) upto 300 and 500.

The Senate noted the item.

Item No.69.40: To report the letter received from MHRD regarding improving the gender balance in the B.Tech. programmes of IITs.

The Senate noted the item.

Item No.69.41: To report the approved mode of evaluation of the course General Viva (EEN-310).

The Senate noted the item.

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



Serial No. 162014

Enrolment No. 09910002

भारतीय प्रौद्योगिकी संस्थान रुड़की

अभिषद् की अनुशंसा पर
विद्या वाचस्पति
की उपाधि

आँचल शर्मा

Existing

को, जिन्होंने इस उपाधि की अर्जा हेतु विनियम विहित अपेक्षाओं को दिनांक मार्च 22, 2016 में सफलतापूर्वक पूरा कर लिया है, एतद्वारा प्रदान करता है।
शोध प्रबन्ध शीर्षक: एनर्जी एफिशियन्ट रेट्रोफिट मॉडल फॉर इंजीनियरिंग कैम्पसिस इन इंडियन कम्पोजिट क्लाइमेट
भारतीय गणराज्य के अन्तर्गत रुड़की में आज, दिनांक सितम्बर 30, 2016, संस्थान की मुद्रा अंकित यह उपाधि दी गई।

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

on the recommendation of the Senate hereby confers the degree of

Doctor of Philosophy

upon

AANCHAL SHARMA

who has successfully completed on March 22, 2016 the requirements prescribed under the regulations for the award of this degree.

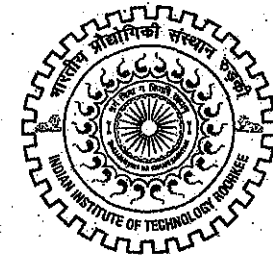
Thesis Title: ENERGY EFFICIENT RETROFIT MODEL FOR ENGINEERING CAMPUSES IN INDIAN COMPOSITE CLIMATE

Given this day, September 30, 2016, under the seal of the Institute at Roorkee in the Republic of India.

अध्यक्ष, अभिशासक परिषद्
Chairman, Board of Governors

निदेशक एवं अध्यक्ष, अभिषद्
Director & Chairman, Senate

कुलसचिव
Registrar



Appendix 'A'
Item No. Senate/69.19

PROVISIONAL CERTIFICATE

This is to certify that

YASH AGRAWAL

Enrollment No. 13117078 has passed the final Examination

of

BACHELOR OF TECHNOLOGY (MECHANICAL ENGINEERING)

from this Institute during the session 2016-17 obtaining

C.G.P.A 7.672 on a ten point scale

in First Division

He/She has also completed the requirement for Departmental Honours
Courses

Dated:

ASSISTANT REGISTRAR (AS)

Note: The above student has qualified for above award as degree which will be issued in due course. This is only a Provisional Certificate and should not be taken as degree.

Serial No. _____

PROVISIONAL CERTIFICATE

This is to certify that

ASHUTOSH RUNGTA

Enrollment No. 13112019 has passed the final Examination
of

BACHELOR OF TECHNOLOGY (CHEMICAL ENGINEERING)

from this Institute during the session 2016-17 obtaining

**C.G.P.A 8.230 on a ten point scale
in First Division**

He/She has also completed the requirement for Minor Specialisation
in Computer Science and Engineering

Dated:

ASSISTANT REGISTRAR (AS)

Note: The above student has qualified for above award as degree which will be issued ~~in~~ due course. This is only a Provisional Certificate and should not be taken as degree.

