



## NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI – 15

Minutes of the 27<sup>th</sup> Senate Meeting of the National Institute of Technology,  
Tiruchirappalli held in the A-11 Hall 1.30 PM on 20.09.2013

The following members were present:

1. Prof. Sundarrajan S	Chairman, Senate
2. Prof.V.Jagadeeshkumar	External Member
3. Prof.Malathy Duraisamy	External Member
4. Prof.Ammasai Gounden	Member
5. Prof.Anantharaman N.	Member
6. Prof.Asokan P.	Member
7. Prof.Arul Daniel S.	Member
8. Prof.Banerjee A.K	Member
9. Prof.Balasubramanian T	Member
10. Prof.Bakthavatsalam A.K	Member
11. Prof.Deivamoney Selvam D.	Member
12. Prof.Gopalan N.P.	Member
13. Prof. (Mrs.)Hemalatha Thiagarajan	Member
14. Prof.Jayabalan P.	Member
15. Prof.Joseph Newman Fernando	Member
16. Prof.Janakiraman T.N	Member
17. Prof.Kannabiran G	Member
18. Prof.Kumanan S	Member
19. Prof.Meenakshisundaram C	Member
20. Prof.Moses Santhakumar S	Member
21. Prof.Muthupandi V	Member
22. Prof.Murugesan K	Member
23. Prof.(Mrs.)Nagamani C	Member
24. Prof.Nallaswamy R	Member
25. Prof.Natarajan C	Member
26. Prof.Pandey K.S	Member
27. Prof.Punniamoorthy M.	Member
28. Prof.Radhakrishnan T.K	Member
29. Prof.Raghavan S	Member
30. Prof.Ramadoss B.	Member
31. Prof.Ramprasad V	Member
32. Prof.Raman Sankaranarayanan	Member
33. Prof.Sankaranarayananasamy K	Member

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34. Prof.Sarangan J	Member
35. Prof..Sastikumar D	Member
36. Prof.Selvakumar S	Member
37. Prof.Selvaraj T	Member
38. Prof.Shanmugam S	Member
39. Prof.Srinivas Tadepalli	Member
40. Prof.Sundareswaran K.	Member
41. Prof.Samson Mathew	Member
42. Prof.Sarat Chandra Babu J	Member
43. Prof.Udayakumar M	Member
44. Prof.Umapathy M.	Member
45. Prof.Venkatasamy Reddy A	Member
46. Prof.Venkatesa Prabhu G.	Member
47. Prof.Venkataramani B.	Member
48. Prof.Somaskandan P.	Member
49. Prof.Subbaiyan G	Member
50. Prof.Kumaresan N	Member
51. Prof.Thamarai Selvan N	Member
52. Prof.Nickolas S.	Member
53. Prof.Chandra Bose A	Member
54. Prof.Karvembu R	Member
55. Prof.Swaminathan G	Secretary-Senate & Member
56. Prof.Jeyapaul R	Special Invitee
57. Prof.Palanisamy P	Special Invitee
58. Prof. (Mrs).Dhanalakshmi G.	Special Invitee
59. Prof.Gopalakrishnan G.	Special Invitee

The following members could not attend the meeting:

1. Prof.Ashoka G.Samuelson	External Member
2. Prof.Cindrella L.	Member
3. Prof.Krishnan P.A	Member
4. Prof.Narayanasamy R.	Member
5. Prof.Natarajan S	Member
6. Prof.Noorul Haq.A	Member
7. Prof.Ponalagusamy R	Member
8. Prof.Sivashanmugam P	Member
9. Prof.Viswanathan Iyer K.	Member

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### **Introductory remarks by Chairman, Senate**

The Chairman Senate welcomed all the members and read out the letter by the Chairperson, Board of Governors, NIT Tiruchirappalli, about the role and functions of the Senate nominee(s) to the board of Governors of NIT Tiruchirappalli.

The Chairman Senate also narrated to the Senate, his recent visit to National University of Singapore on the first week of September 2013. He also said that National University of Singapore (NUS) prefer to enter into Memorandum of Understanding with the other World Universities/Institutes subject to the condition that the partnering Institute/University matches with their level or at least equal to their level. The fact that that majority of NIT Tiruchirappalli Students prefer National University of Singapore as their destination for higher studies, was emphasized by the Chairman Senate in the course of the meeting with the top brasses of NUS. NUS is open for student internship and joint R&D initiatives.

Consequent to stay granted in the order issued by the Director dated 21.05.2013, in WP (MD) 15013/2013 by the Madurai Bench of the Hon'ble Madras High Court, the Director, NIT Tiruchirappalli takes over as the HoD of Department of Instrumentation and Control Engineering.

The Chairman Senate also briefed the Senate about the Kakodkar's Committee report and its recommendations for upgrading of NITs to the level of IITs. The Kakodkar's committee report recommended for a paradigm shift in academic curricula, Involvement and participation of Industry in curricula revision, Industry-Institute Interaction, Teachers' and Staffs' training, Transparency in Administration and Accreditation.

The Chairman Senate also briefed about the NITs Directors' meeting held in New Delhi. The foci of deliberations of the meeting were Human Values & Ethics in Centrally Funded Research Institutions, The Hon'ble Minister for Human Resources Development, who chaired the meeting was apprised of the one month long orientation given to the first year B.Tech. Students of NIT Tiruchirappalli, by the Director. The Chairman Senate also informed the Senate, that there were deliberations in the meeting adopting the model of NIT Tiruchirappalli for other NITs also.

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The Chairman, Senate, briefed the Senate Members about the initiatives taken by the Institute in appointment of Steel Chair Professor. The Chairman Senate also informed that advertisement has been released seeking application for the process of selection of Steel Professor Chair and the received applications were scrutinized.

The Chairman Senate appreciated the services rendered by the former Dean (SW) and introduced the new Dean (SW).

After the introductory remarks by the Chairman, Senate, the discussions were initiated as per the Agenda circulated and tabled.

**1. To confirm the Minutes of the 26<sup>th</sup> Senate Meeting held on 01.08.2013.**

The Secretary Senate indicated that no comments were received from members regarding the minutes of the 26<sup>th</sup> meeting of Senate, except one member, who has given a E-mail, stating that, the deliberations regarding the revival of Best thesis award has been left out. The Chairman Senate ruled that the Committee meant for that would be submitting its recommendations and a decision would be arrived at. The minutes of the 26<sup>th</sup> meeting was confirmed.

**2. Process of nomination of faculty members to the Board of Governors, NITT.**

As the existing faculty representatives in BOG have completed their tenure, the process of nomination of faculty members to the BOG was initiated in the month of August 2013. Nominations were called from the faculty members and the election process was conducted on 20-09-2013. Smt.M.K.Nirmala, DR (Internal Audit) and a team of Associate Dean(s) (Academic) coordinated the election process. Prof.K.Sankaranarayanan, Professor, Department of Mechanical Engineering and Prof.K.Thirumaran, Associate Professor, Department of Architecture were declared elected as nominees of Senate to be members of the Board of Governors.

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The Senate place on record the excellent services rendered by the Deputy Registrar (IA) and the team of Associate Deans(Academic) in the smooth conduct of elections.

**3. To ratify the award of Provisional degree to Ph.D. Candidate who has successfully completed the requirements of the degree.**

Approved

**4. Approval for Ph.D. Directed Study Courses**

The Senate in principle accepts and approves the courses ( given in the table below) as directed study courses proposed by various departments(The Department's name is mentioned in the second column in the table). However, the Senate has directed to modify the syllabus of the following subjects as per the current format in vogue for the submission of syllabi for PG courses, for approval.

The following course needs modification:

1. Advanced Control System Design for Aerospace Vehicles – Video course from NPTEL
2. Stochastic Processes – Video course from NPTEL

It was also brought to the notice of the Senate, that the subject 'Smart Grid Technologies' has already been approved and being offered as an elective course in the department of EEE.

Sl.No.	Department	Course
1	Computer Science & Engineering	Multicore-Architectures and Programming issues
2	CEESAT	Coal Characterization – Impact of Coal quality on power stations
3	Electrical & Electronics	Protocols and Architectures for Wireless

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	Engineering	Sensor Networks
4	ECE	Array Signal Processing
5	Instrumentation and Control Engg.	Electronic circuit Design
6	Physics	Hamiltonian Chaos and Semi classical Mechanics
7	Production Engineering	1. Lean Manufacturing system 2. Formability of Sheet Metals 3. Field Service Management
8	Chemistry	1. Electrochemistry 2. Electrochemical power sources
9	Computer Applications	1. Principles of Cognitive Sciences 2. Digital Video Processing and Communications 3. Mathematical Foundations of Cryptography 4. Cloud Based E-Learning 5. Advances in cloud computing technologies 6. Mobile communications and computing 7. Database Security 8. Advanced Data Mining 9. Web Mining 10. Foundations of Computer Applications Research 11. Multicore Programming and GPGPU Programming 12. Security Aspects of Cloud Architecture
10	Management Studies	1. Business Process Reengineering 2. IT consulting 3. Customer Experience Management
11	Mathematics	1. Rheology of Blood and Its Vessels 2. Advanced Numerical Analysis for Differential Equations 3. Matrix Theory & Stochastic Programming

The Senate expressed its serious concern about certain faculty members, and their negligence, which has resulted in non conductance the cycle tests as per

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the schedule. Invigilating the cycle test(s) is the primary duty of the faculty members. Faculty members are expected to conduct and present in the examinations as per the schedule. Laxity on their part will be seriously viewed.

**5. Students' representation for Senate's Ratification**

The Senate has ratified the approval of Chairman, Senate on the request given by Shri S.Madhavan (Roll No: IC 10529), student of 2005 batch of ICE branch, to appear in the Supplementary Examination to be held in NOV-DEC 2013 on medical grounds.

**6. Any other item with the permission of Chair.**

- i. The Dean (ID) has presented a request given by a physically challenged candidate on relaxation of minimum educational qualification for physically challenged candidates (PH) for admission into MS/Ph.D programme. There were extensive deliberations in the Senate meeting on this issue. It is understood that the higher learning institutes have relaxed the minimum educational qualification for PH candidates. It was resolved to consider the request of Dean (ID) and approved to reduce the minimum marks to 55% / 6.25 CGPA for PH candidates to secure admission into Ph.D. and M.S. programme. The recommendations would come into effect from the January 2014 session onwards.
- ii. Mr.Rajendra Babu from Architecture department has requested to extend the period of submission of his Ph.D synopsis. It is observed that he has competed nine years for his Ph.D work. Hence, the Senate has directed to administratively cancel his registration. His registration would be revived at a later date, subject to the condition, that he has completed his research work, submit synopsis and thesis to the Doctoral Committee and the Doctoral Committee recommends the revival of the registration. Accordingly, his registration for his Ph.D. may be revived at that time. The candidate has to



pay the institute fee in dues as per the norms of the institute. This rule will also be applied to other candidates, who have completed the prescribed tenure of Ph.D. registration and yet to submit the thesis.

- iii. Mr.Lukka Thuyavan, Research Scholar (TEQIP) from Chemical Engineering has requested for permission to avail internship at Universiti Teknologi Malaysia with TEQIP stipends for 3 months. As per the norms, students availing internships at other institutes/industries are not eligible for stipend during the period of internship. It is understood that the host institute is not paying any fellowship to the candidate for internship. Considering the advanced research facilities at AMTEC, Universiti Teknologi Malaysia, and the Senate in principle accorded approval to carry out the internship with TEQIP stipend for 3 months from October to December 2013.
- iv. The Senate appreciated and applauded Prof.K.S.Pandey, Professor of Department of Metallurgical and Materials Engineering, when he informed the Senate, the laurels won by him.
- v. The Senate place on record the excellent services rendered by the Senate nominees, who have completed their term of office, as members of Board of Governors.

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

**(Prof.G.Swaminathan)**  
**Secretary- Senate**

**(Prof.S.Sundarrajan)**  
**Chairman-Senate**