



**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA-769008 (ORISSA)**

**Minutes of the 11<sup>th</sup> meeting of the Senate of the Institute held  
on 11.05.2006 at 9.00 AM in the Senate Hall, NIT- Rourkela.**

**Members present :**

1. Prof. Sunil Kr. Sarangi, Director and Chairman
2. Prof. K.K. Mishra, Dean (A.A.), CE
3. Prof. B.R. Mohanty, XIMB, Bhubaneswar
4. Prof. Ajay Chakraborty, EEC Dept., IIT Kharagpur
5. Sri Sudhakar Jha, Kolkata
6. Prof. B.K.Rath, CE.
7. Prof. M. Panda, CE.
8. Prof. K.C. Patra, CE.
9. Prof. N.R. Mohanty, CE.
10. Prof. J.K. Pani, CE.
11. Prof. N. Roy, CE.
12. Prof. A.K. Pradhan, CE
13. Prof. A.K. Panda, CE
14. Prof. G.K. Roy,,CH.
15. Prof. P. Rath, CH.
16. Prof. K.C. Biswal, CH.
17. Prof. S.K. Agarwal, CH.
18. Prof. K.M. Puroghit, CY
19. Prof. S.K. Rath, CS
20. Dr. S.K. Jena, CS
21. Prof. S. Adak, CR
22. Prof. R.N. Das Choudhury, EE
23. Prof. P.C. Panda, EE
24. Prof. J.K. Satpathy, EE
25. Prof. P.K. Nanda, EE
26. Prof. K.K. Mohapatra, EC
27. Prof. (Mrs.) S. Mohanty, HS
28. Prof. N. Kavi, ME
29. Prof. B.K. Nanda, ME
30. Prof. R.K. Sahoo, ME
31. Prof. R.C. Behera, MM
32. Prof. A.K. Panda, MM
33. Prof. G.S. Agarwal, MM.
34. Prof. K.N. Singh, MM
35. Prof. U.K. Mohanty, MM
36. Prof. B.B. Verma, MM
37. Prof. B.K. Pal, MN
38. Prof. A.Roy, MA
39. Prof. A. Behera, MA
40. Prof.(Mrs.) K.L. Roy, MA
41. Prof. D.G. Sahoo, MA
42. Prof. S. Panigrahi, PH

43. Prof. B.B. Biswal, T&P
44. Prof. K.R. Patel, Chief Warden
45. Prof. S.K. Patel, NTMIS
46. Er. S.K. Upadhyay, Registrar and Secretary
47. Sri B. Acharya, Asst. Registrar (Academic) Invitee.

**Members Absent:**

1. Prof. E.M. Rao, PMIR.XLRI, Jamshedpur
2. Prof. G.C. Mitra, Bhubaneswar
3. Sri G. Upadhyay, Bhubaneswar
4. Shri B.K. Misra, New Delhi
5. Dr. R.K. Bhandari, VECC, Kolkata
6. Prof. G.S. Rath, EC

The leave of absence was approved for all members absent.

**2006-11-Senate-01 Welcome to the members by the Chairman.**

The Chairman welcomed all the members to the 11<sup>th</sup> meeting of the Senate of NIT Rourkela.

**A. RULES, PROCEDURES AND POLICY MATTERS:**

**2006-11-Senate-02 : To confirm the minutes of 10<sup>th</sup> meeting of the Senate held on 25<sup>th</sup> Jan- 2006**

**The draft minutes of the 10<sup>th</sup> Meeting of the Senate ,approved by the Chairman Senate were circulated to all the members . Since no comments/ suggestions have been received from any member, the minutes may be confirmed.**

The minutes of the 10<sup>th</sup> meeting of the Senate were confirmed

**2006-11-Senate-03 : To report about ‘Action Taken’ on the minutes of 10<sup>th</sup> Meeting of the Senate held on 25<sup>th</sup> January 2006.**

<b>Agenda Sl. No. of 10<sup>th</sup> Meeting</b>	<b>Subject</b>	<b>Action Taken</b>
<b>2006-10-Senate-02</b>	MCA admission for the session 2006-07	i) Detailed information on the admission procedure of MCA has been hosted in our website. ii)The Central Counseling board for MCA admission have been informed that NIT RKL will be organizing its own counseling at Rourkela instead of joining the Central Counseling.
<b>2006-10-Senate-04</b>	Student Feed-Back on Courses	The suggestions/modifications received from various departments were discussed in the Teachers Council Meeting & its recommendations (on the corrections-which were very minor in nature)were incorporated in the feed-back form , forms printed, circulated to the departments and feed-backs from students were obtained.

<b>2006-10-Senate- 05</b>	Revised Regulation for B.Tech & Ph.D Programme.	The revised B.Tech & Ph.D. Regulations have already been implemented
<b>2006-10-Senate-06</b>	Revised Regulation for M.Sc. Programme.	The revised Regulations for M.Sc. have already been implemented

**2006-11-Senate-04 : To approve the Academic Calendar.**

**The Academic calendar for the session 2006-07 is put up for deliberation and approval of the Senate. A special Calendar for examination activities is also put up for approval of Senate.**

The Academic calendar for year 2006-07 was approved with necessary corrections

**Annexure-I**  
**{ Page: 10 – 14(a) }**

**2006-11-Senate-05: Introduction of “Formative Evaluation system”.**

**In the present Continuous Evaluation System, as has been introduced in our curriculum, final grades are awarded purely on the basis of “Summative Evaluation System” i.e. assignments, class tests, Mid- Semester and End-Semester examinations, where the students after knowing their weaknesses do not get a scope to rectify themselves. As per the guidelines of NPIU the “Summative Evaluation Process” should follow “Formative Evaluation System” i.e. before awarding final grades, a number of assignments should be given to the students, class tests conducted and examined and the students be informed about their weak points, but not weightage in terms of grades should be given to these examinations.**

**It is proposed that the continuous Evaluation System must consist of two components, both “Formative” and “Summative” evaluation systems, as stated above in our continuous Evaluation Process. The Senate may deliberate on this and take a suitable decision on the introduction of “Formative evaluation System”.**

Senate approved the proposal for introduction of formative evaluation system in addition to existing summative evaluation system.

**Annexure-II**  
**(Page- 15 )**

**2006-11-Senate-06: Eligibility clause in the M.Sc. Regulations:**

**The eligibility criteria for admission to M.Sc. programme has not been incorporated, (because of oversight), in the M.Sc. Regulations which was passed in the 10<sup>th</sup> Senate meeting. The following eligibility criteria is proposed for deliberation and approval.**

**Eligibility:**

**B. Sc. with the subject applied for as one of the subjects(Pass or Hons.). Mathematics in the +2 level is compulsory for all three branches.**

Senate approved the eligibility clause in the M.Sc. regulations which will be included in the brochure.

**2006-11-Senate-07: To Examine the proposal of Director for creation of some new Senate Committees, define functions of both existing and new Committees, and to nominate members of these committees for the Academic year 2006-2007.**

The proposal of Director for creation of new Committees was discussed and approved. The Library committee was added in the list. The functions of all committees will be defined and the members will be nominated by the Senate for the academic year 2006-07.

**Annexure-III  
(Page: 16)**

**2006-11-Senate-08: To examine a proposal from Director to introduce a system of collecting attendance information to ensure more effective attendance by the students.**

The proposal for introduction of a system of collecting attendance information was discussed and approved. The concerned faculty members will submit the attendance sheet every month in the prescribed format to the department office for further action by HOD. The new format given in **Annexure-** will be circulated by Asst. Registrar, Academic to all the Departments.

**Annexure-IV  
(Page: 17 - 20)**

**2006-11-Senate-09: To report to the Senate the revised fee structure approved by the Finance Committee to recommend fee structure for Miscellaneous services.**

The revised fee structure which was earlier approved by the Finance was discussed in the Senate and accepted for implementation.

**Annexure-V  
(Page: 21 -22 )**

**2006-11-Senate-10: Resolution regarding award of degrees against Autumn, Spring and Supplementary examinations in the same Convocation.**

**It is proposed that students passing in Autumn and Spring Semester and in the Supplementary examination conducted in June every year will be getting their degrees in the next Convocation in December.**

**This may be approved by the Senate.**

It was decided that the students passing in Autumn and Spring Semester and in the Supplementary examination conducted in June every year will be getting their degrees in the next Convocation in December and will be deemed to have graduated in the academic session ending in April, 2006. This practice will be followed in all futures years.

**2006-11-Senate-11: Discussion on New Curriculum.**

It was decided that Dean (AA) will compile all the new curriculum in May/ June, 2006 and put up to the next Senate for approval.

**2006-11-Senate-12 : Revised Regulations for M.Tech, M.Tech. (Research) programmes. For deliberation & approval of Senate.**

Revised Regulations for M.Tech, M.Tech. (Research) programmes were approved with corrections. The complete regulations are given in Annexure.

**Annexure –VI  
(Page: 23 - 67)**

**2006-11-Senate- 13: Revised Regulations for D.Sc. & Post Doctoral Fellowship : For deliberation & approval of Senate**

Revised Regulations for D.Sc. & Post Doctoral Fellowship were approved with necessary corrections. The complete regulations are given in Annexure.

**Annexure –VII  
(Page: 68 - 77 )**

**2006-11-Senate-14: To define norms for Hons., 1<sup>st</sup> class and 2<sup>nd</sup> class in the Grade system of MCA and M.Sc. Programmes:**

**This year, the institute will award degrees to its first batch of MCA students under the Grade System. Grade system also has been introduced for the M.Sc. programmes.**

**This is for approval of Senate.**

The Senate approved the proposal with the following corrections.

CGPA  $\geq$  6.50 1<sup>st</sup> Class

CGPA  $<$  6.50 but securing at least P grade in all the subjects; 2<sup>nd</sup> Class.

There shall be no provision for Honors in M. Sc. or MCA.

**B. UNDERGRADUATE STUDIES:**

**2006-11-Senate-15 : Renaming the Course HS-102 “Industrial Psychology”.**

**Since the course content of the Course-HS-102 Industrial Psychology offered to 1<sup>st</sup> / 2<sup>nd</sup> Semester students (as a compulsory course) has been revised and approved earlier, HOD Humanities and Social Sciences has suggested the change of course name to “Corporate Behaviour” without changing the present course content.**

The Chairman informed that the faculty members in Economics and Sociology are going to be recruited shortly. Dean (AA) and HOD (Humanities and Social Sciences) were requested to prepare a comprehensive proposal in all the branches of Humanities including the present proposal in Industrial Psychology and put up to the Senate in its next meeting for approval.

**C. POST-GRADUATE AND RESEARCH STUDIES:**

**2006-11-Senate-16: List of Ph.D. awardees.**

a) The following faculty members / Research Scholars have been found eligible for award of Ph. D. degree. This is for the approval of the Senate.

<b>1</b>	<b>Shri Balbeer Singh Chawla</b>	
	Registration No	50203002
	RS/Faculty	RS-ME-QIP
	Date of award of Degree	18.04.2006
	Foreign Examiner	Prof. Peter Dewhurt, University of Rhode Island, USA
	Indian Examiner	Prof. V.K. Jain, IIT., Kanpur
	Name of Supervisor	1. Prof. N.S. Das, ME 2. Prof. C.K. Biswas, ME
	Thesis Title	An analysis of strain in chip breaking using slip-line field theory with adhesion friction at chip/ tool interface.
<b>2.</b>	<b>Shri Suresh Totappa Dundur</b>	
	Registration No	500103001
	RS/Faculty	RS-ME-QIP
	Date of award of Degree	19.04.2006
	Foreign examiner	Prof. Winston Knight, University of Rhode Island, USA
	Indian Examiners	Prof. P.P. Date, IIT., Bombay
	Name of Supervisor	Prof. N.S. Das, ME
Thesis Title	Slipline field analysis of deformation in metal machining with worn tool with adhesion friction in contact regions.	
<b>3.</b>	<b>Prof. Alok Satapathy</b>	
	Registration No	50203004
	RS/ Faculty	Faculty- ME
	Date of award of Degree	20.04.2006
	Foreign Examiner	Prof. R. Stevens, University of Bath, UK
	Indian Examiner	Prof. R.C. Gupta, Institute of Technology, BHU
	Name of Supervisor	Dr. S.C. Mishra, MM
Thesis Title	Thermal Spray Coating of Red Mud on Metals.	

b) To report on the list of examiners for Ph.D Thesis

Chairman Senate has approved the list of examiners for the Ph.D thesis of the following research scholars :

- |                      |             |
|----------------------|-------------|
| i) Mr.S.D.Patle      | RS-QIP-ME   |
| ii) Mr.Naresh Prasad | RS-QIP-ME   |
| iii) Mr.R.K.Behera   | Faculty -ME |
| iv) Mr.K.C Brahma    | RS-MN       |
| iv) Mr.S.K.Rout      | RS-PH       |
| v) Mr.P.K.Das        | RS-MA       |

The list is not reproduced here to ensure confidentiality. Interested Senate members may see the list, available with Asst. Registrar (Academic). The list may be approved by the Senate.

The Senate approved the above list.

**2006-11-Senate-17: Status of Ph.D. Scholars: (List attached).**

**This is for information of Senate.**

The Senate noted the progress of Ph.D. Scholars and faculty members enrolled in Ph.D. programme.

**Annexure-VIII  
(Page: 78 - 85 )**

**2006-11-Senate-18: M. Tech, P.G. Diploma Programme in Information Security.**

**As per the MOU signed between Department of Information Technology and NIT, Rourkela under the Information Security Education and Awareness Project (ISEA), Department of Computer Science and Engineering is required to offer M. Tech degree in Computer Science with specialization in Information Security and a 2-Semester Post Graduate Diploma Programme in Information Security.**

**The Senate may examine the request of the department for starting these programmes and make suitable recommendation to the Board.**

It was decided that the PG Diploma program on Information Security and the M.Tech. program on Information Security will be started from the academic year 2007-08. The following committee is constituted to study and put up a comprehensive proposal to the next Senate.

Committee members:

- 1) Prof. K.K. Mishra, Dean (AA)
- 2) Prof. S.K. Jena, HOD CSE
- 3) Prof. .S.K. Rath, CSE
- 4) Prof. J.K. Satpathy, EE

**Annexure-IX  
(Page: 86 - 88 )**

**D. DISCIPLINE, ENDOWMENT AND STUDENT AFFAIRS:**

**2006-11-Senate- 19: Absence of Shri Pritam Sahana, Roll No.10401005, CE- Branch:**

**Shri Pitam Sahana, a student of 2<sup>nd</sup> year Civil engineering had met with an accident and fractured his right leg ( as per his application and attached medical certificates) on 23<sup>rd</sup> February, 2006. He was shifted to Kolkata on 24<sup>th</sup> February, 2006 for treatment. Till date he has not reported to the Institute physically. In the mean time the Director had sent a letter to Sri Sahana advising him to register for the courses of fourth semester next year.**

**Senate may deliberate on the matter and allow him to register in 4<sup>th</sup> Semester in the next Session.**

Senate deliberated on the above issue and decided that Shri Pitam Sahana will be allowed to register in the coming 3<sup>rd</sup> Semester for back papers and in the 4<sup>th</sup> Semester for regular course. In the 3<sup>rd</sup> Semester he may register for maximum of 2 courses of 5<sup>th</sup> Semester if agreed to by Faculty Advisor and concerned course teachers.

**Annexure-X  
(Page: 89 - 97 )**

E. MISCELLANEOUS:

2006-11-Senate-20: Status of – Accreditation, QIP and Students Advertisements

a) **Accreditation.**

Request had been sent to NBA for accreditation of some UG – Chemical Engineering, Electrical Engineering, Mechanical Engineering, Mining Engineering, Computer Sc. & Engineering and Ceramic Engineering and PG – Chemical Engg (coal Chemical & fertilizers), Civil engg (Geotechnical Engg. and Structural Engg.), Electrical Engg ( Electronics System & Communication), Metallurgical & Mat. Engg. ( Metallurgical & Materials engg.), Computer Sc. Engg (Computer Sc. & Engg.), Electronics & Communication Engg ( telematics & signal Processing), and Mechanical Engg. (Machine Design & Analysis and Production Engg.) courses. Mr. Munish Garg, Asst. Director, NBA has informed that the expert team will visit our Institute some time after 17<sup>th</sup> July, 2006.

Dean (AA) appraised the Senate regarding the development of accreditation of the academic programs. Dean(AA) was requested to fix a suitable date with the experts and complete the process by July, 2006.

b) **Our Application for QIP.**

Chief QIP Co-ordinator, at Chennai was requested to accord permission for QIP programmes (M.Tech and Ph.D.) in CH, MN, CR, EC and EE Departments. Dean (CE) of IIT, Kharagpur has informed that a team of experts from IIT Kharagpur will be visiting our Institute for this purposes some time during June, 2006, for assessing the feasibility.

Senate observed that there is no program on QIP in the Department of CSE. Dean (AA) was requested to incorporate the same. HOD – CS was requested to prepare the application to QIP authorities. The visit of experts is to be coordinated and the process should be completed by July, 2006.

c) **Status of Student Advertisements.  
Details are as per annexure.**

Dean(AA) informed the Senate about the status of student advertisements.

**Annexure-XI  
(Page: 98 - 100)**

d) **Increase in Intake Capacity. The proposal in required format is being prepared by the CE, CH and MM Departments. Once it is ready, it will be sent to MHRD.**

Dean(AA) was requested to send the proposal in the required format to MHRD by 30<sup>th</sup> June, 2006, so that the intake capacity can be increased from the academic year 2007-08

**2006-11-Senate-21: 4<sup>th</sup> Convocation-2006.**

**As per the BOG resolution No.-9(2005)-6 dt. 07.02.2006, the Convocation of the institute will be held on the 3<sup>rd</sup> Saturday of December every year. Accordingly, the 4<sup>th</sup> Convocation will be held on 16<sup>th</sup> of December, 2006. The Senate may suggest names of Chief Guests for consideration of Chairman BOG.**

The probable names of Chief Guest for the 4<sup>th</sup> Convocation 2006 were discussed and it was decided to forward the names given in Annexure to Chairman, BOG for consideration and approval.

**Annexure-XII**

**(Page - 101 )**

**2006-11-Senate-22: New Courses and student Intake.**

**Proposal for new courses and student intake is given. Senate may deliberate on the new courses.**

The proposal for new courses and student intake given in annexure - was discussed and approved.

**Annexure-XIII  
(Page: 102 - 104)**

**2006-11-Senate-23: Any other matter with permission of the Chair.**

- a) **Permission may be accorded to Sri Sailendra Kumar, Roll No.10502060 (EE), presently in the 2<sup>nd</sup> Semester to take readmission in the 1<sup>st</sup> Semester in the Academic Session 2006-07 without going through AIEEE-2006.**

It was decided that Sri Sailendra Kumar was allowed to take admission in the 1<sup>st</sup> Semester in the academic year 2006-07 without going through AIEEE – 2006.

The meeting ended with thanks to the Chair.

**(Prof Sunil Kr Sarangi)  
Director & Chairman, Senate**

**(Prof. K.K. Mishra)  
Dean (A. A.)**

**(S.K. Upadhyay)  
Registrar, Secretary, Senate**