

**Minutes of the Eighteenth combined Board of Studies (UG, PG, Research)  
Meeting held on 22<sup>nd</sup> October, 2010 at 02.00 p.m. in the Board Room,  
NITK, Surathkal.**

**Members Present:**

1. Dr. G. Srinikethan	...	Chairman
2. Dr. G. K. Shivakumar	...	Member
3. Dr. D.V.R. Murthy	...	Member
4. Dr. K. N. Lokesh	...	Member
5. Dr. G. Umesh	...	Member
6. Dr. K. C. Shet	...	Member
7. Dr. Keshav Prasad Halemane	...	Member
8. Dr. Subba Rao	...	Representing HOD Applied Mechanics.
9. Dr. Shrihari	...	Representing HOD Civil Engineering
10. Dr. Harshavardhan	...	Member
11. Mr. Alwyn Roshan Pais	...	Representing HOD Computer Science and Engineering
12. Dr. Sumam David	...	Member
13. Dr. K. Panduranga Vittal	...	Member
14. Dr. G. Ram Mohan Reddy	...	Member
15. Dr. Vidya Shetty	...	Representing HOD Chemical Engineering
16. Dr. G.C. Mohan Kumar	...	Member
17. Dr. A. O. Surendranathan	...	Member
18. Dr. A.V Adhikari	...	Member
19. Dr. S. M Hegde	...	Member
20. Dr. Kasturi. V. Bangera	...	Member
21. Dr. K.B. Kiran	...	Member
22. Sri. Jora M. Gonda	...	Member
23. Dr. Jagannath Nayak	...	Member
24. Dr. M. Govinda Raj	...	Member
25. Dr. R. Srinivasan	...	Member
26. Dr. Radhakrishna Pillai	...	Member
27. Prof. Y. N. Srikant	...	Member
28. Prof. T. P. Somasundaran	...	Member
29. Mr. K. Ravindranath	...	Secretary

**Absent:**

1. Prof. G. K. Shivakumar
2. Prof. S. G. Mayya
3. Prof. P. Prasad Rao
4. Prof. K. Swaminathan
5. Prof. H. R. Srirangarajan

*Prof. G. Srinikethan, Chairman (BOS) and Dean (Academic) Chaired the meeting and welcomed all the members to the eighteenth BOS meeting. He welcomed and introduced the new members of BOS Prof. T. P. Somasundaran, Dean (Academic UG), NIT Calicut and Dr. Jagannath Nayak, Associate Dean (PG & R), NITK Surathkal.*

*He informed members about the academic activities, workshops, International Conferences, Annual convention of ISTE, IE (I) & Annual Project Exhibition of KSCST & several other academic programmes conducted at NITK, Surathkal during the Golden Jubilee year. He also informed the members about the Golden Jubilee Convocation. The members were informed that the academic year started on 28<sup>th</sup> July and the admissions for B. Tech programme through CCB & DASA were completed successfully. This year NITK Surathkal joined the online common M. Tech admission process. The members were informed about the start of TEQIP Phase – II where the emphasis is on PG & Research Programmes. NIT Goa, mentored by NITK, Surathkal has commenced the academic activities for the academic year 2010-11.*

*As part of the action taken on the resolutions of seventeenth BOS meeting the members were informed that M.Tech Programme in IT department has started. The members were informed that NIT Council formed a Committee to review the curriculum related issues & Prof. Sandeep. Sancheti, Director, NITK Surathkal recently submitted the report to MHRD, GOI.*

*After a brief introduction, the agenda items listed were taken up for discussion and the following resolutions were passed.*

*The minutes of Seventeenth BOS meeting were reviewed and approved as there were no comments from members.*

**ITEM No: 18-BOS- 1:**

**Inclusion of three new Self study courses of 900 series for Ph. D students – Computer Science and Engineering:**

The members felt that contents of the courses proposed are of introductory in nature and hence recommended that these courses can be introduced as first level courses in PG Programme and contents have to be improved if they have to be offered at Ph D level. The HOD, Computer Science and Engineering department was informed to make necessary modifications so as to recommend to Senate for approval. (Annexure I)

*for Senate  
approval*

**ITEM No: 18-BOS- 2:**

**Proposed 900 – Level Courses with suggested syllabus and suggested Resource Materials – Department of Mathematical and Computational Sciences:**

The BOS resolved to recommend to the Senate for approval the courses and the course contents proposed by the Department of Mathematical and Computational Sciences. The members suggested that, the Department can also propose the courses of introductory in nature so as to be offered at PG level. (Annexure II)

*for Senate approval*

**ITEM No: 18-BOS- 3:**

**To change the minimum credits to be earned in the case of open Elective (OE) from 13 to 12– Metallurgical and Materials Engineering:**

The BOS resolved to recommend to the Senate for approval of the change in the minimum credits for open elective (OE) from 13 to 12 as proposed by the Department of Metallurgical and Material Engineering. (Annexure III)

*for Senate approval*

**ITEM No: 18-BOS- 4:**

**To consider project grade for the calculation of CGPA in the case of M. Tech Degree. – Metallurgical and Materials Engineering:**

After lengthy discussion BOS resolved not to consider the project grades for the calculation of CGPA in the case of M. Tech degree.

*for Reporting to Senate*

**ITEM No: 18-BOS- 5:**

**Modification of qualification for eligibility for M. Tech (Process Metallurgy) – Metallurgical and Materials Engineering**

The BOS resolved to recommend to Senate for approval of the suggested modifications in the eligibility for M. Tech Process Metallurgy. (Annexure III)

*For Senate approval*

**ITEM No: 18-BOS- 6:**

**Modification of qualification for eligibility for M. Tech (Materials Engg) – Metallurgical and Materials Engineering:**

The BOS resolved to recommend to Senate for approval of the suggested modifications in the eligibility for M. Tech Materials Engineering. (Annexure III)

*For Senate approval*

**ITEM No: 18-BOS- 7:**

**To remove M.Sc Physics (Solid State) as qualifying examination for M.Tech (Materials Engg). – Metallurgical and Materials Engineering:**

After detailed discussion the BOS resolved to retain M. Sc. Physics (Solid State) as qualifying examination for eligibility in M.Tech in the case of Materials Engineering.

*For reporting to  
Senate*

**ITEM No: 18-BOS- 8:**

**Change of research guide or inclusion of Co-guide for guiding the research work of Ph. D student in the Civil Engineering Department.**

The candidate Ms. Srujana Nandam will be carrying out some experimental investigations with certain facility available at CPRI, Bangalore. The BOS resolved to approve the proposal to include Dr. Ramesh Babu, Additional Director, and CPRI as a research co-guide for Ms. Surujana Nandam.

*For reporting to  
Senate*

**ITEM No: 18-BOS- 9**

**M. Tech (Communication Engg)- enhancement of student intake from 2011 Admissions - Electronics & Communication Engg.**

The HOD Electronics & Communication Engineering department has proposed to increase the number of students for M. Tech Communication Engineering Programme, since many staff members have the communication background. The BOS resolved to recommend to the Senate that, the proposal to increase the number of seats from 15 to 27(GM-13, OBC-7, SC-4, ST-2, Sponsored-1) be accepted. (Annexure IV)

*For Senate  
approval*

**ITEM No: 18-BOS- 10**

**Curriculum & syllabi for the new M.Tech programme in Mechanical Design & Precision Engineering – Mechanical Engg.**

The members discussed the details regarding a proposal from Mechanical Engineering department to start M. Tech programme in Mechanical Design & Precision Engineering. Some members felt that instead of starting new program, they can offer courses relevant to this area in the existing PG Programme in the department. In addition the justifications for expertise available in the Department, qualification required, eligibility for this programme was not presented. After detailed discussion BOS resolved that the Head of the department of Mechanical Engineering can have a relook in to the proposal & forward the recommendations to Dean Office to be placed in the Senate for discussion. (Annexure V)

*For Senate  
approval*

**ITEM No: 18-BOS- 11**

**Curriculum & syllabi for the new M.Tech programme in Green Energy Engineering. -Mechanical Engg.**

The members discussed the details regarding a proposal from Mechanical Engineering department to start M. Tech programme in Green Energy Engineering. Some members felt that instead of starting new program, they can offer courses relevant to this area in the existing PG Programme in the department. In addition the justifications for expertise available in the Department, qualification required, eligibility for this programme was not presented. After detailed discussion BOS resolved that the Head of the department of Mechanical Engineering can have a relook in to the proposal & forward the recommendations to Dean Office to be placed in the Senate for discussion. (Annexure V)

*For Senate approval*

**ITEM No: 18-BOS- 12:**

**Restructuring the existing curriculum & syllabi of M.Tech Programme in Thermal Engineering - Mechanical Engg.**

The Department of Mechanical Engineering has proposed changes in the list of courses & course contents for the existing PG Program in Thermal Engineering. After detailed discussion the Head of the Department of Mechanical Engineering was informed to obtain the comments from experts and submit the recommendations to Dean Office so as to place the subject in the next Senate meeting. (Annexure V)

*For Senate approval*

**ITEM No: 18-BOS- 13:**

**Restructuring the existing curriculum & syllabi of M.Tech Programme in Manufacturing Engineering - Mechanical Engg:**

The Department of Mechanical Engineering has proposed changes in the list of courses & course contents for the existing PG Program in Manufacturing Engineering. After detailed discussion the Head of the Department of Mechanical Engineering was informed to obtain the comments from experts and submit the recommendations to Dean Office so as to place the subject in the next Senate meeting. (Annexure V)

*For Senate approval*

**ITEM No: 18-BOS- 14:**

**Restructuring the existing curriculum & syllabi of M.Tech Programme in Mechatronics Engineering – Mechanical Engg.**

The Department of Mechanical Engineering has proposed changes in the list of courses & course contents for the existing PG Program in Mechatronics Engineering. After detailed discussion the Head of the Department of Mechanical Engineering was informed to obtain the comments from experts and submit the recommendations to Dean Office so as to place the subject in the next Senate meeting. (Annexure V)

*For Senate approval*

**ITEM No: 18-BOS- 15:**

**Modification of eligibility criterion for admission to M. Tech programme in Mechatronics Engineering – Mechanical Engg.**

The BOS resolved to recommend to the Senate for approval of the proposal to reserve 50% of seats in PG programme of Mechatronics for Mechanical Engineering graduates. (Annexure V)

*For Senate approval*

**ITEM No: 18-BOS- 16:**

**Modification of the syllabus of the existing course ME 204 Basic Manufacturing processes with credits (3-1-0)4 offered in the third semester of B. Tech programme in Mechanical Engineering.**

The BOS resolved to recommend to the Senate for approval of the modifications suggested in the existing ME 204 course. (Annexure V)

*For Senate approval*

**ITEM No: 18-BOS- 17**

**Short visit for B. Tech Mining Engineering students under Professional Practice of the Curriculum – Mining Engg.**

The BOS resolved to recommend to the Senate for approval of the proposal from the Department of Mining Engineering on short visit to Mining sites as part of the curriculum. (Annexure VI)

*For Senate approval*

**ITEM No: 18-BOS- 18**

**Transfer of M. Tech (by Research) from DRPC to DPGC- Dean Office:**

The BOS resolved to recommend to Senate for approval that hence forth all matters pertaining to M. Tech (Research) programme will be handled by concerned DPGC.

*For Senate approval*

**ITEM No: 18-BOS- 19**

**Registration of Ph. D students every semester – Dean Office:**

The BOS resolved to recommend to Senate for approval of the proposal that all Ph. D research scholars will also undergo registration process every semester.

*For Senate approval*

**ITEM No: 18-BOS- 20**

**Proposal for starting a new M. Tech programme on “Nanoscience & Nanotechnology” under TEQIP – Phase II – Coordinator, Centre for Materials Research.**

The details of the new M. Tech programme on Nanoscience & Nanotechnology was presented. The members felt that the title can be changed as M. Tech Nanotechnology. The members also felt that the coordinator may be asked to consider introduction of Mathematical course and also discuss whether the course on Computational Material Science can be introduced as a core course with Laboratory Component. After detailed discussion the coordinator was requested to consider the suggestions, revise the course structure if required & submit the recommendations to Dean Office so as to place the subject in the Senate meeting. (Annexure VII)

*For Senate approval*

**ITEM No: 18-BOS- 21**

**Modification of Eligibility Criteria for M. Tech CPD, IPC, and IB – Department of Chemical Engineering.**

The BOS resolved to approve the proposal of Chemical Engineering department with respect to eligibility criteria of all the M. Tech Programme offered by Department. The members suggested that the HOD may consider to retain B. Tech Mining & Mechanical as a qualifying criteria for M.Tech Industrial Pollution Control. The HOD of the department is requested to submit the recommendations to Dean Office so as to place the subject in the Senate meeting. (Annexure VIII)

*For Senate approval*

**ITEM No: 18-BOS- 22**

**A Policy to be evolved regarding additional external guide to the fulltime Research students – Dr. R. J. D’Souza, Professor, Department of MACS**

The members were informed that some requests have been made to Dean Office for inclusion of additional / co-guide with names of scientists who are working outside the Institute for full time research scholars of the Institute. The members felt that faculty members of the institute generally should offer problems in the area of their expertise. The members felt if external help is taken their names may be added in publications. After detailed discussion the BOS resolved not to approve the names of any external guide working in other institutes as additional / co-guide for full time Ph. D. research scholars.

*For reporting to Senate*

**ITEM No: 18-BOS- 23**

**Modification in the curriculum – Dean Office**

After detailed discussion the BOS resolved to approve the proposal to retain the resolution Senate item 22 B7 with regard to criteria for granting extension to Ph. D. research scholars.

*For reporting to  
Senate*

**ITEM No: 18-BOS- 24**

**Transfer of Credits- Changes in Present Regulations.**

BOS resolved to approve the proposal for modifications in present regulations with respect of transfer of credit.

*For reporting to  
Senate*

**ITEM No: 18-BOS- 25**

**Recognition of Research Guide.**

BOS resolved to approve Dr. Debashisha Jana, Assistant Professor, Department of Electrical & Electronics as research guide.

*For reporting to  
Senate*

**ITEM No: 18-BOS- 26**

**Introduction of Integrated M.B.A, M. Tech & Ph. D. Programmes:**

The members discussed with regard to introduction of integrated programmes in the Institute. The members suggested generally integrated programmes are not preferred by the industry and students compared to regular programmes. The members wanted to have a feedback from Institutes offering such program & detailed proposal may be presented for consideration in the next meeting.

*For reporting to  
Senate*

*Meeting ended with vote of thanks to the Chair.*

**Sd/  
(K. Ravindranath)  
Secretary –BOS, NITK**

**Sd/  
(Prof. G. Srinikethan)  
Chairman-BOS, NITK**