Minutes of the Seventeenth combined Board of Studies (UG, PG, Research) Meeting held on 29ᵗʰ January, 2010 at 02.00 p.m. in the Board Room, NITK, Surathkal.

Members Present:

1.	Prof. G. Srinikethan	…	Chairman
2.	Dr. D.V.R. Murthy	…	Member
3.	Prof G. K. Shivakumar	…	Member
4.	Dr. R. Shiva Shankar	…	Member
5.	Dr. P. Prasad Rao	…	Member
6.	Dr. N. Laxman	…	Member
7.	Dr. Katta Venkataramana	…	Member
8.	Sri. K. Ram Chandra	…	Representing HOD Mining Engg.
9.	Dr. Shanthi Thilagam	…	Member
10.	Dr. Sumam David	…	Member
11.	Dr. P. Durai Kannu	…	Member
12.	Dr. G. Ram Mohan Reddy	…	Member
13.	Dr. M.B. Saidatta	…	Member
14.	Dr. G.C. Mohan Kumar	…	Member
15.	Dr. A. O. Surendranathan	…	Member
16.	Dr. A.V Adhikari	…	Member
17.	Dr. S. M Hegde	…	Member
18.	Dr. Kasturi. V. Bangera	…	Member
19.	Dr. K.B. Kiran	…	Member
20.	Sri. Jora M. Gonda	…	Member
21.	Prof. K. Swaminathan	…	Member
22.	Dr. M. Govinda Raj	…	Member
23.	Dr. R. Srinivasan	…	Member
24.	Prof. H. R. Srirangarajan	…	Member
25.	Dr. Radhakrishna Pillai	…	Member
26.	Prof. Y. N. Srikant	…	Member
27.	Mr. K. Ravindranath	…	Secretary

Absent:

1.	Dr. K. N.Lokesh	…	Member
2.	Dr. Keshava Prasad Halemane	…	Member
3.	Dr. K.C Shet	…	Member
4.	Dr. S. G. Mayya	…	Member
5.	Dr. A. Mahesha	…	Member

Prof. G. Srinikethan, Chairman (BOS) and Dean (Academic) Chaired the meeting and welcomed all the members to the Seventeenth BOS meeting. He welcomed and introduced the new members of BOS who have taken the Headship of the Department recently.

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

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

ITEM No: 17-BOS- 1

Modification of Program Core Course in B.Tech Curriculum - Electrical & Electronics Engg. Department

The BOS resolved to recommend to the Senate for approval of the modified course contents of "EE200 – Circuit Theory" for B.Tech Curriculum of Electrical & Electronics Engineering Department. *(Annexure I)*

for Senate approval

ITEM No: 17-BOS- 2

To define & approve equivalent subjects for students who have got FF or FA grade in courses – E&C Engg. Dept.

The BOS resolved to recommend to the Senate for approval of the list of equivalent subjects for students who have got FF or FA grade in courses at the B.Tech level before the revision of B.Tech Electronics & Communication Curriculum. The Chairman also requested all the HOD's to prepare similar list with respect to their Curriculum and submit to the Dean (Academic) office so as to place the subject in the next Senate. *(Annexure II)*

for Senate approval

ITEM No: 17-BOS- 3

Changes in B.Tech Curriculum 2010 onwards – Information Technology Dept.

The BOS discussed the course structure and course contents of the proposed changes in the B.Tech Information Technology Curriculum to be implemented from the academic year 2010-11 onwards. The members suggested lot of changes in shifting of certain courses and also the course contents of certain courses and listing of open electives in the Curriculum. The HOD of Information Technology Department is informed to submit the revised Curriculum after the approval of DUGC and submit to the Dean (Academic) office for placing it in the next Senate. *(Annexure III)*

for Senate approval

ITEM No: 17-BOS- 4

To reduce the minimum credits to be earned in the case of open electives for B.Tech - Metallurgical & Materials Engg. Department

The BOS decided to drop this agenda from discussion, since there is already a provision in the existing Curriculum.

for reporting to Senate

ITEM No: 17-BOS- 5

Addition of two new open elective Courses for B.Tech Programme – Civil Engineering Department

The BOS resolved to recommend to the senate for approval of the suggested courses for inclusion in B.Tech Programme of Civil Engineering as open elective courses. *(Annexure IV)*

   i)   CV475 : Oil and Natural Gas Exploration (3 credits)

   ii) CV476 : Disaster Management and Mitigation (3 Credits)

for Senate approval

ITEM No: 17-BOS- 6

Addition of Advanced Welding Technology course in the list for M.Tech programme (Materials Engineering) as an elective - Metallurgical & Materials Engg. Dept.

The BOS resolved to recommend to the Senate for approval of the addition of the "ME459- Advanced Welding Technology (3-0-0) 3" course in the list for Materials Engineering programme as an elective course. *(Annexure V).*

for Senate approval

ITEM No: 17-BOS- 7

Introducing a new PG Program - M.Tech in Information Technology- IT Dept.

The BOS resolved in principle to approve the proposal of starting a M.Tech course in Information Technology in Information Technology Department of the Institute from 2010 -11 onwards. The members of the BOS felt that there should be an emphasis on Mathematical courses and the course contents need large revision. The BOS resolved to request the Head of the Department of Information Technology to discuss the suggested changes in consultation with Computer Engineering Department and submit the revised course structure and course contents to the Dean (Academic) to be placed in the next Senate for discussion and approval. *(Annexure VI)*

for Senate approval

ITEM No: 17-BOS- 8

Introduction of a new elective course for M.Tech programme in Electrical & Electronics Engg. Department

The BOS resolved to recommend to the Senate for approval of the proposal to introduce a new elective course "PS866 - Gaseous Insulation & Gas Insulated Systems (3-0-0)3" for M.Tech Programme. The Head of the Departments was requested to revise the reference materials for the course *(Annexure VII).*

for Senate approval

ITEM No: 17-BOS- 9

Introduction of a new, advanced course - Electrical & Electronics Engg. Dept.

The BOS resolved to recommend to the Senate for approval of the proposal to introduce a 900 level course "EE919 - Selected topics in condition monitoring techniques for electrical equipment". The Head of the Departments was requested to revise the reference materials for the course *(Annexure VIII)*

for Senate approval

ITEM No: 17-BOS- 10

Ratification of a new elective course for M.Tech programme - Civil Engg. Dept.

The BOS resolved to ratify the action taken by the Chairman Senate for the introduction of "CM812 - Excavation Technology for Construction Projects" for M.Tech Programme. *(Annexure IX)*

for Senate approval

ITEM No: 17-BOS- 11, 12, 17 & 26

Recognition as Research Guides

The BOS resolved to approve the following faculty members of NITK as Research Guides.

   i)   Dr. Mervin A Herbert – Mechanical Engg. Dept.
   ii)   Dr. P. Parthiban - Electrical & Electronics Engg. Dept.
   iii) Dr. Guruaj S Punekar - Electrical & Electronics Engg. Dept.
   iv)   Dr. Anandhan Srinivasan - Metallurgical & Material Engg Dept.
   v)   Dr. Santhosh Hosamani - Metallurgical & Material Engg Dept.
   vi)   Dr. Ravishankar K.S. - Metallurgical & Material Engg Dept.
   vii) Dr. Udaya Bhat - Metallurgical & Material Engg Dept.

for reporting to Senate

ITEM No: 17-BOS- 13

Recognition as Additional Research Guide for guiding the research work of Ph.D student in the Mechanical Engg. Department

The BOS resolved to approve the proposal to include Dr. R. Ramesh Babu, Joint Director in Earthquake Engineering & Vibration Centre, CPRI, Bangalore as additional guide for the part time Ph.D student Mr. Selvaraj M (ME07P03) Department of Mechanical Engineering, NITK, Surathkal

for reporting to Senate

ITEM No: 17-BOS- 14

Recognition as Additional Research Guide for guiding the research work of Ph.D student in the Metallurgical & Materials Engg. Department

The BOS resolved to approve the proposal to include Dr. R. Ramesh M.R, Reva Institute of Technology and Management, Bangalore as additional guide for the part time Ph.D student Mr. Jagadeeshwaran (MT09P01) Department of Metallurgical and Materials Engineering, NITK, Surathkal

for reporting to Senate

ITEM No: 17-BOS- 15

Recognition as Additional Research Guide for guiding the research work of Ph.D students in the MACS Department

The BOS resolved to approve the proposal to include Dr. Sudhakar Shetty, Prof & Head, Dept. of Mathematics, Alva's Institute of Engineering & Technology, Moodabidri as additional guide for the part time Ph.D students Mr. Shivraj Kumar and Mrs. Lolita Priya Castelinoare, Department of MACS, NITK, Surathkal

for reporting to Senate

ITEM No: 17-BOS- 16

Recognition as Additional Research Guide for guiding the research work of Ph.D student in the Electrical and Electronics Engg. Department

for reporting to Senate

The BOS resolved to approve the proposal to include Dr. Abdul Rahiman Beig. B, Asst. Professor, Abu Dhabi as additional guide for the part time Ph.D student Mr. Sreenivasappa B.V (EE08F03), Department of Electrical and Electronics Engineering, NITK, Surathkal

ITEM No: 17-BOS- 18

Meeting of the Deans (Academic) of all NITs held at NIT, Hamirpur

The members of he BOS in principle agreed with the proceedings of the meeting of Deans (Academic) of all NIT. Members felt that the student and faculty exchange will bring better interaction and possibility of joint projects and Ph.D guidance. Members felt M.Tech and Ph.D scholars will benefit though this exchange to utilize the specialized equipments / instruments and also utilize the faculty expertise in specific areas of research. The Chairman of BOS requested the Head of the Departments to review their Curriculum and make necessary changes so that the core courses can be completed in the first three years of the programme, so that students can utilize the final year period for exchange programme. *(Annexure X)*

for Senate approval

ITEM No: 17-BOS- 19

To integrate Disaster Management (DM) education within the formal systems of higher education

The BOS discussed the contents of the UGC circular regarding the introduction of Disaster Management (DM) in engineering and action has already been initiated as per ITEM No: 17-BOS- 5. *(Annexure XI).*

for Senate approval

ITEM No: 17-BOS- 20

Academic and research collaboration between NITK and Infosys – Dean (R&C)

The BOS discussed in detail the proposal from Infosys for academic collaboration and starting of a PG Programme in Software Engineering to cater to their employee's educational qualification up-gradation. The members felt though it is desirable to start PG Programmes taking into account the needs of the Industry, the course contents for such programmes requires large discussion taking into account the skills / background of practicing Engineers. It is felt that an M.Tech course can be designed in the emerging areas where personnel from industries can be allowed to join this programme if they meet the eligibility norms of the Institute. A committee consisting of Head of the Departments of Computer, Information Technology, MACS with Dean (R&C), as Chairman was constituted to discuss the issues and concerns raised in this regard and to modify the proposal and submit to the Dean (Academic) office to be placed for the next Senate. *(Annexure XII)*

for Senate approval

ITEM No: 17-BOS- 21

Constitution of M.Tech (PWEC) – Electronics & Communication Engg. Department

The BOS resolved that the M.Tech project work evaluation committee at the IIIrd semester level will be constituted with Chairman of DPGC or nominee, Guide(s), and at least one referee from within / outside the Department in M.Tech / MBA Programme. *(Annexure XIII)*

for Senate approval

ITEM No: 17-BOS- 22

Changes in Course Structure and Inclusion of foundation course, elective course and seminar in the MBA Curriculum – HSM Department

The BOS resolved to approve the proposal for certain changes in the course structure of MBA programme and changes in the course contents. The members suggested certain changes in the course contents and introduction of concepts of ethics in course MBA705. The Head of the Department of Humanities, Social Sciences and Management was requested to modify as per suggestion and submission to dean (Academic) office for placing it in the next Senate. *(Annexure XIV).*

for Senate approval

ITEM No: 17-BOS- 23

Recognition as Additional Research Guide for guiding the research work of Ph.D student in the HSM Department

The BOS resolved to approve the proposal to include Dr. Sambatur Sridhar, Prof.& Dean, Dept. of MBA at Aloysius Institute of Management and Information Technology, Mangalore as additional guide for the part time Ph.D student Ms. Sukanya Shetty (HM09F01) Department of Humanities, Social Sciences and Management, NITK, Surathkal.

for reporting to Senate

ITEM No: 17-BOS- 24

Change the name of the Department – Computer Engineering Department

The BOS resolved to approve the proposal of the Department of Computer Engineering to change the name of the Department to Computer Science & Engineering Department. The Head of the Department explained since the majority of courses related to software and emphasis less on hardware subject, the name of the Department can be changed to Computer Science & Engineering Department. The BOS resolved to recommend to Senate for approval and later forward to BOG of the Institute for a decision. *(Annexure XV)*

for Senate approval

ITEM No: 17-BOS- 25

Revision of Syllabus for M.Sc Programme – Physics Department

The BOS resolved to approve the proposal of the Physics Department regarding the change in M.Sc Physics Curriculum and the course contents of the courses "PH 801 Vacuum Technology and Thin Films (3-1-0) 4" *(Annexure XVI)*

for Senate approval

ITEM No: 17-BOS- 27

To Remove "MT240 - Introduction to Materials" course from the Curriculum- Metallurgical & Materials Engineering Department

The BOS decided to drop the course "MT240 - Introduction to Materials (1-0-0)1" course from the curriculum of Metallurgical and Material Engineering Department. *(Annexure XVII)*

for Senate approval

ITEM No: 17-BOS- 28

To Convert "MT400 - Phase transformations" course to a 4 credit course - Metallurgical & Materials Engineering Department

The BOS resolved to approve the proposal of the Metallurgical and Material Engineering Department to convert course "MT 400 Phase Transformations "3-0-0 (3 credits)" to "3-1-0 (4 credits)" *(Annexure XVIII)*

for Senate approval

ITEM No: 17-BOS- 29

Offer a 5 year integrated Ph.D programme - Metallurgical & Materials Engineering Department

The BOS accepted in principle the proposal of Five year integrated Ph.D programme for M.Sc & B.E / B.Tech students. However this requires policy decision involving all the Departments of the Institute. The members also suggested whether dual degree models available in IIT's can be introduced in NITK. The members also felt that the students admitted in such programme must have a clear cut exit conditions. The BOS felt the Senate can take a broader decision on the matter about the introduction of such integrated Ph.D programmes in the Institute. *(Annexure XIX)*

for Senate approval

ITEM No: 17-BOS- 30

Introduction of New B.Tech and M.Tech courses in the Institute

The Chairman BOS informed the members that alumni of the Institute has come forwarded to support the starting of new B.Tech course on Gas Engineering. The Chairman also informed that the Institute has at present Centres of excellence carrying out inter disciplinary activities / research. Such centers should offer open elective in interdisciplinary areas and also plan to start new B.Tech / M.Tech Programmes in emerging areas engineering / technology. The Chairman welcomed the suggestion from members of BOS in this regard. Members of the BOS felt that strengthening of existing B.Tech programmes should be our top priority and starting of new programmes requires a broader discussion at the Departmental and Institute level. The Senate may take a policy decision in this regard.

for Senate approval

Meeting ended with vote of thanks to the Chair.

    (K. Ravindranath)   **(Prof. G. Srinikethan)**
  Secretary –BOS, N`ITK   **Chairman-BOS, NITK**