

**DRAFT MINUTES OF THE 4TH MEETING OF THE SENATE HELD ON
19TH JANUARY 2004.**

The following members were present;

1. Dr. V. M. Pandharipande – Director – Chairman

Nominees

2. Shri P. U. Deshpande – DS & Director (Retd.)
DRDO, Pune
3. Dr. Prakash Mangalgiri – Group Director,
ADA, Bangalore
4. Shri Satish Parchure – M.D., US Interactive, Mumbai
5. Dr. J. Srihari Rao – Dean (Acad) & Prof. ECE, NIT Warangal
6. Shri V. S. Lothe – Director, NPTI, Nagpur

Office Bearers;

7. Dr. S. U. Pathak – Dy. Director
8. Dr. V. K. Deshpande – Dean (Acad)
9. Dr. D.R. Peshwe – Dean (Exams)
10. Dr. I. K. Chopde – Dean (Adm)
11. Dr. A. G. Deshpande – Dean (P&F)
12. Dr. P. D. Porey – Dean (R&D)
13. Prof. V. B. Borghate – Dean (St.C.)
14. Dr. C. S. Moghe – Prof. & HoD, Electronics & C.Sc.
15. Dr. A. G. Keskar – Prof. of Electronics
16. Dr. R. M. Patrikar – Prof. of Electronics
17. Dr. L. M. Gupta – Prof. & HoD Applied Mechanics
18. Dr. R. K. Ingle – Prof. of Applied Mechanics
19. Dr. G. N. Ronghe – Prof. of Appl. Mechanics
20. Dr. V. A. Mhaisalkar – Prof. & HoD Civil Engg.
21. Dr. B. V. Shastri – Prof. in Geology
22. Prof. S. P. Jog – Prof. in Civil Engg.
23. Prof. R. R. Gawalpanchi – Prof. in Civil Engg.
24. Dr. A. D. Pophale – i/c I.I.I. Cell
25. Dr. K. L. Thakre – Prof. & HoD Electrical Engg.
26. Dr. A. G. Kothari – Prof. of Electrical Engg.

27. Dr. M. K. Khedkar – i/c T & P
28. Dr. S. G. Ghangrekar – Prof. & HoD Maths
29. Dr. G. P. Singh – Chief Warden
30. Dr. A. K. Gowardhan – HoD Physics
31. Dr. (Ms.) M. Ghoshal – HoD Humanities
32. Dr. N. V. Deshpande – Prof. & HoD Mechanical Engg.
33. Dr. H. T. Thorat – Prof. of Mechanical Engg.
34. Dr. P. M. Padole – Prof. of Mechanical Engg.
35. Dr. Animesh Chatterjee – Prof. of Mechanical Engg.
36. Dr. R. K. Paretkar – Prof. & HoD of Metallurgical Engg.
37. Prof. S. M. Zade – HoD Architecture
38. Prof. S. B. Shringarputale – Prof. & HoD Mining Engg.
39. Shri B. M. Ganveer – Registrar

Shri A. S. Deo, Asst. Prof. in Architecture attended the meeting as special invitee.

Dr. B. B. Khanna, Dr. Chalpatirao, Dr. V. N. Mishra and Dr. S. S. Umare could not attend the meeting.

At the outset the Chairman of the Senate welcome all the members for the Senate meeting and all the members welcome Dr. V. M. Pandharipande for his 1st meeting as a Chairman, Senate.

In his opening remarks, Dr. Pandharipande placed on record the excellent work done by Dr. S. U. Pathak in his capacity as i/c Director and Chairman of the Senate. He also appreciated the support he received from the Deans, faculty and students in achieving the goals.

In his introductory remarks, Chairman informed the members about the 1st Convocation of VNIT held on 9th August 2003 which was grand spectacular show. Members placed on record the appreciation for all staff members of Academic and Exam branch of VNIT. Chairman also stressed the need for Academic Audit to have quality standards in teaching learning process. Continuous evaluation, effective tutorials, experiments with rigorous Design/Analysis/Synthesis tools, standard question papers are all essential parameters which demand much more from faculty as well as students. He also stressed the need to strengthen interaction with Industries, Industry Oriented Sponsored Projects, Doctoral Research, Quality Research Publication for faculty development and overall improvement in academic environment.

Members were informed about the status of TEQIP and recent visit of Mentoring Committee of NPIU, New Delhi.

The Director apprised the members about the status of Academic Activities and also about the technical support to society at large through KVIC project, Pradhan Mantri Gram Sadak Yojna etc.

The following agenda was discussed :

S 04.01 To note the draft minutes of the 3rd meeting of the Senate held on 26th May 2003.

Since the minutes have already been approved by the BoG; they do not remain "draft minutes" but are confirmed minutes and hence the word draft is deleted.

The Senate noted the minutes of 3rd meeting held on 26th May 2003 and requested Hon'ble Chairman to form a special committee to look into the matter regarding induction of B.Tech. (Chemical Engineering) program.

S 04.02 To note the Action Taken Report on the decisions of the 3rd meeting of the Senate held on 26th May 2003.

As regards, item S03.17 effect of change in nomenclature of B.Tech. Metallurgical & Materials Engineering shall be given from the batch admitted in the year 2002-03.

While deliberating the action taken report, the House was informed that the Senate in its 3rd meeting held on 26th May 2003 had resolved to increase the intake capacity of Electronics Engineering, Computer Science and Engineering and Metallurgical Engineering and also to start new P.G. courses (vide item No. S03.02). However, the Ministry of HRD, GoI vide their correspondence No. F-14-2/2003-TS.III dated 20th May 2003 restrained the Institute from increasing intake and to introduce new P.G. courses during the academic year. The Institute, therefore, re-structured the intake capacity of Electronics Engg. 60, without increasing the total intake capacity.

Further, though the approval from AICTE has been received for starting New P.G. programmes in

- a) Structural Dynamics and Earthquake Engineering
- b) Material Engineering, &
- c) Heat & Power Engineering

the courses could not be started in view of the above said correspondence received from the Ministry.

However, the Ministry has been requested to permit the Institute to start the above AICTE approved PG programme from the academic year 2004-2005.

The House was also informed that efforts are being made to start B.Tech. course in Chemical Engineering and necessary correspondence for approval from AICTE and Ministry of HRD is being made.

The Hon'ble members also requested for the detailed Action Taken Report (ATR) of each of the items discussed in the previous meeting of the Senate.

S 04.03 Items for information :

- I. The Senate extended warm welcome to new inducted members.
- II. Following decisions taken by the Senate Standing Committee were noted by the Senate regarding;
 - 1) To permit the students under carry-on scheme to appear in re-exam with certain conditions,
 - 2) Removal of anomaly in Scheme of Exam for B.Arch. and
 - 3) Exemption from clearing Mathematics of 1st year students admitted directly to 2nd year on completion of diploma, as has already been done by Nagpur University.

It was decided that hereafter all the decisions taken by the Senate Standing Committee shall be included in the Agenda for information of the Senate members.

- III. The participation of British Council Division (BCD) and EDEXEL by way of organizing the adequate participation of UK Universities resulted in consolidating and enriching our PG programme.

To begin with, the BCD EDEXEL offered the following on-line education PG programme for active considerations;

1. Post-Graduate Diploma / Masters Online Degree Programme in ENVIRONMENTAL TOXICOLOGY AND POLLUTION MONITORING – (University of Ulster).
2. Online P.G. Degree Programme in ENERGY MANAGEMENT – (University of Ulster)
3. Online Degree Programme in RENEWABLE ENERGY – (University of Ulster)
4. Post-graduate Certificate /Diploma/Master Online Degree Programme in GEOGRAPHIC INFORMATION SYSTEMS – (University of Southampton)
5. Master Online Degree Programme in INFORMATION TECHNOLOGY AND MANAGEMENT – (Sheffield Hallam University)
6. Post-graduate Certificate / Diploma / Masters Online Degree Programme in Computer Science – (University of Hertfordshire)

Subsequently BCD and EDEXEL will provide opportunity to VNIT to participate in conduct of part of the above programmes at this end. Joint research proposals have been invited by them from VNIT for active consideration. They have also offered to help VNIT in further collaborative programmes including organizing Institutional conference.

The Senate noted the above with appreciation.

S 04.04 To note and approve the syllabus for 5th and 6th semester B.Tech. and 1st to 6th Semester B.Arch.

The Syllabus for 5th & 6th Semester of all the courses of undergraduate programmes in Technology & 1st to 6th Semester in Architecture, have been approved by the Senate as proposed, with following suggestions :

1. All the Syllabus to be re-structured in standard format given by the Dean (Academic) in six units.
2. In exceptional cases the syllabus can be in four units as decided by the respective BoS.
3. The syllabus is to be implemented with effect from 2003-04.
4. Civil Engineering (6th Semester) :
The title of the subject No. 6CE04 may be suitably modified. The Board of Studies in Civil Engg. may consider suitable modifications of the title of the subject No. 6CE04, particularly in the context of substantial coverage to "Contract Document" in the syllabus.
5. Computer Science & Engineering (6th Semester) :
The title of the subject No. 6R05 be suitably modified. The respective BoS is requested to take necessary action in this regard.
6. Mechanical Engineering (5th Semester) :
The suggestion given at the end of the syllabus for 5ME15 "Machine Drawing Laboratory" (on page No. 32) is deleted.

It was suggested to maintain the uniformity in the format of presenting the syllabus in all the branches. Dean (Acad) was requested to issue guidelines in this regard to the BoS.

S 04.05 To note and approve the Scheme of Teaching and Examination for B.Arch.

The Senate approved the Scheme of Teaching & Examination for B.Arch. with necessary corrections in IXth and Xth semester of B.Arch.

S 04.06 To introduce the course evaluation system.

The Senate approved the format for "Course Evaluation System" with following modifications :

The particulars and signature of the student shall be deleted from the format.

The information in respect of Theory and Laboratory be taken separately and suggested to decide methodology for obtaining proper feedback:

The word "Punctuality" to be added at Sr.No. 4.

The individual teacher will have access to the feedback given by students.

Departmental Administrative Committee (DAC) should discuss and analyse the feedback for suggesting corrective measures.

The recommendations of DAC will be discussed at administrative level by the Deans for further action, whenever required.

S 04.07 To decide the format of question paper.

The format of Question Paper & UG/PG project evaluation scheme was discussed and approved w.e.f. 2004-05.

It was resolved that,

1. Question paper should be for 3 hours with 2 sections Part-A (compulsory – 20 marks), Part-B (40 marks) total 60 marks.
2. The question paper will be in the standard format, comprising of Part-A which will have one question of 20 marks objective type, covering entire syllabus. The type of question shall include,
 - a) Multiple Choice with one or more correct answers
 - b) Fill in the Blanks with more blanks / more options
 - c) Matching the pairs with multiple choice
 - d) Problems with simple numerical calculations
 - e) Concepts and definitions

Candidate should be able to answer Part-A in approx. one hour.

Part-B will have six questions on six units of the syllabus and the candidate has to answer four questions (10X4=40 Marks) in approx. Two hours.

S 04.08 To approve the revised syllabus & scheme in Electrical Engineering.

The Senate approved the revised syllabus and scheme in Electrical Engineering as follows;

1. Syllabus for Applied Mathematics III-3EE01 was modified and approved for the implementation.
2. The Senate also approved the following changes in the Scheme of Examination as proposed by the BoS in Electrical Engineering.

Semester	Subject Code	Old Title	New Title	Teaching Scheme			
				L	T	P	To
Forth	4EE02	Introduction to Philosophy	Electrical Measurements	3	1	-	4
Fifth	5EE05	Communication Systems	Electrical Machine Design	3	1	-	4
Seventh	7EE01	Computer Systems	High Voltage Engineering	3	1	-	4

3. The Senate also approved the changes in the list of Electives to be offered at various semesters.

S 04.09 To approve the recommendations received from the Chairman Board of Studies in Electronics Engineering.

The Senate deliberated the issue and resolved the followings, which is to be implemented from the next academic session.

1. The course 6N05 i.e. Fields and Radiating Systems is renamed as Electromagnetic Fields & Waves.
2. Renaming of the course 7N03 i.e. Microwave and Satellite Communication be deferred till the syllabus for the same is decided.
3. An additional Elective subject i.e. Satellite Communications at 7NO4 be offered as Elective – I.
4. The contact hours of course 8N12 i.e. Electronic System Design are increased from 2 to 4 practical hours per week with correspondence increase in Credits.
5. The proposal for re-naming the title of the UG programme from B.Tech. (Electronics) to B.Tech. (Electronics & Communication Engineering) is accepted in principle by the Senate and requested the Director to make necessary correspondence for approval from AICTE before implementation.
6. The title of the subject 2PGN02 & 2PGN12 of full time M.Tech. (Electronics) is changed from "Application of Signal Processing" to "Advanced Topics in Signal Processing." This change be implemented from the batch, appearing for Summer 2004 examination.

S 04.10 To consider the request of the Head of the Department of Mining Engineering to permit direct admission of Diploma Holders to third Semester B. Tech. (Mining).

The item was withdrawn.

S04.11 Inclusion of Environmental studies for Undergraduate courses of all branches.

The Senate resolved to introduce the Environmental studies for UG courses of all branches as a common elective at 4th year level.

The following Committee is constituted to workout the modalities and to prepare draft syllabus in this regard :

1. Dr. V. A. Mhaisalkar – Prof. & HoD, Civil Engineering
2. Shri I. L. Muthreja – Asst. Prof. in Mining Engineering
3. Prof. R. R. Gawalpanchi – Prof. in Civil Engineering
4. Dr. V. K. Deshpande – Dean (Acad)

The Committee shall submit its report and syllabus expeditiously so that the same can be placed for approval in the next Senate meeting and can be implemented from the Academic Session 2004-2005.

S 04.12 Any other item/s with permission of the Chair.

Members expressed concern about 40% faculty positions being vacant at various levels. Immediate action should be taken to fill up the vacancies in all departments.

The Hon'ble members opined that the faculty should be encouraged to work for sponsored R&D projects and some incentives be given to the faculty engaged in active research.

The members also highlighted the importance of interdisciplinary research which need to be initiated and strengthened with the formation of Interdisciplinary Research Board of Studies.

The Senate expressed importance of extra classes to be conducted for those students who need to improve communication skills at first year level for better performance.

The Senate requested the induction of Advanced Auto Control System course at 7th/8th Semester level in Mechanical Engg. as elective since it is felt that such course will provide additional avenues to the mechanical engineering students.

The Senate also discussed advanced courses in Mathematics such as

- a) Advanced Engineering
- b) Advanced Numerical Analysis & Numerical Techniques
- c) Statistical Analysis

which can be listed as Electives subject in 4th year by BoS.

The meeting ended with vote of thanks to the Chair.



CHAIRMAN