



**DRAFT MINUTES FOR 36<sup>th</sup> MEETING OF THE SENATE HELD ON TUESDAY, SEPTEMBER 02, 2014 at 02.00 PM IN THE SENATE HALL OF V.N.I.T., NAGPUR.**

The following members were present;

1.	Dr. Narendra S. Chaudhari	Director	Chairman
2.	Dr. Ms. Kamal Singh	Ex. Vice Chancellor SGBAU, Amravati	Member
3.	Dr. A. B. Andhare	Faculty I/c Training & Placement	Member
4.	Dr. M. V. Aware	Head, Department of Electrical Engg.	Member
5.	Dr. Rajesh Gupta	Professor of Civil Engineering	Member
6.	Dr. P. P. Chakavarthy	Head, Mathematics Deptt.	Member
7.	Dr. Animesh Chatterjee	Professor of Mechanical Engg.	Member
8.	Dr. R. B. Deshmukh	Head, Department of Electronics Engg	Member
9.	Dr.(Ms.) Rajashree Kotharkar	Head, Deptt. of Architecture	Member
10.	Dr. V. K. Deshpande	Head, Deptt. of Physics	Member
11.	Dr. Yogesh Deshpande	Head, Deptt. of Humanities & Social Sc.	Member
12.	Dr. (Ms.) Alpana Dongre	Professor of Deptt. of Architecture	Member
13.	Dr. Abhay S. Gandhi	Professor of Electronics Engineering	Member
14.	Dr. R. K. Ingle	Professor, Applied Mechanics	Member
15.	Dr. O. R. Jaiswal	Dean (Academic)	Member
16.	Dr. Y. B. Katpatal	Professor of Civil Engg.	Member
17.	Dr. N. R. Thote	Associate Professor of Mining Engg	Member
18.	Dr. K. D. Kulat	Professor of Electronics Engg.	Member
19.	Dr. D. H. Lataye	Associate Dean	Member
20.	Dr. P. S. Deshpande	Professor of Comp. Sc. Engg	Member
21.	Dr. A. P. Patil	Professor of Met. & Materials Engg.	Member
22.	Dr. R. M. Patrikar	Professor of Electronics Engineering	Member
23.	Dr. D. R. Peshwe	Professor of Met. & Materials Engg.	Member
24.	Dr. Avinash Keskar	Professor of Electronics Engg.	Member
25.	Dr. S. R. Sathe	Dean (P&D)	Member
26.	Prof. I. L. Muthreja	Head, Mining Engg. Deptt.	Member
27.	Dr. S. S. Umare	Professor of Chemistry	Member
28.	Dr. H. M. Suryawanshi	Dean (Research & Consultancy)	Member
29.	Dr. A. R. Tembhurkar	Head, Civil Engineering Deptt.	Member
30.	Dr. K. L. Wasewar	Head, Chemical Engineering Deptt.	Member
31.	Dr. V. A. Mhaisalkar	Professor, Civil Engg Deptt.	Member
32.	Dr. V. S. Adane	Professor of Architecture	Member
33.	Dr. R. K. Paretkar	Professor of Met & Mat. Engg	Member
34.	Dr. R. R. Yerpude	Registrar	Secretary

Shri. Dharmesh M. Parate, Dy. Registrar, Academics & Smt. A. A. Ansingkar, Asst. Registrar, Exam has attended the meeting as a special invitee.

Dr. Milind Atrey, Professor, IIT Mumbai, IIT Mumbai, Dr. (Ms.) Meenakshi Gupta, Prof. of Hum. & Social Sc., IIT Bombay, Dr. S. V. Bakre Associate Professor of Applied Mechanics, Dr. M. M. Mahajan, Professor of Applied Mechanics, Dr. S. G. Sapate, Professor of Met. & Materials Engg., Dr. G. P. Singh, Dean (SW), Dr. S. B. Thombre, Head, Mechanical Engg., Dr. P. M. Padole, Dean(FW), Dr. G. N. Ronghe, Professor of Applied Mechanics, Dr. L. M. Gupta, Professor of Structural Engineering, sought leave of absence

At the outset chairman senate appraised all the members on various academic issues and 12<sup>th</sup> Convocation. Dean Academics asked the UG & PG Academic affairs secretary to highlight the agenda submitted by them. Welcome to Prof. I.L.Muthereja, HoD Mining and Dr.N.R.Thote Chairman BOS Mining and thanks to S.B.Sringarputale, outgoing HOD Mining. Director introduced the new UG Secretary, Mr. Aditya Hambarde and new PG Secretary, Ms.Malvika.

Points from UG and PG Academic Secretary are given in Annexure A .

These points were informed to Senate and it is resolved that these will be discussed in the HoD meeting.

UG Secretary, submitted points on i) Issue of first year UG classes by teaching assistants. ii) Summer internship to be offered as 2- credit Open Course. iii) To offer flipped courses.

**Resolution:** These agenda received from PG Academic secretary will be discussed in the next HoD Meeting

**S36.01 To note and confirm the minutes of the 35<sup>th</sup> meeting of the Senate held on 10<sup>th</sup> July 2014.**

The minutes of the 35<sup>th</sup> meeting of the Senate (Annexure-I) were circulated to all the members. No suggestions are received. The Senate is requested to confirm the minutes.

**Resolution:** Minutes are confirmed.

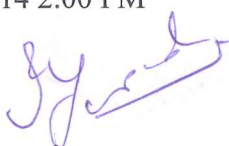
**S 36.02 To note the Action Taken Report on decisions of the 35<sup>th</sup> meeting of the Senate.**

**S 35.03 Proposal for Dual Degree M Tech + Ph D**

Modified proposal for Dual Degree M Tech + Ph D is placed at Annexure II. This modified proposal includes suggestions given in the last Senate meeting. This proposal has been discussed in APPEC. Senate is requested to approve the same.

**Resolution:** The senate resolved as follows:

- I) For Dual degree M. Tech + PhD program, existing norms of publication will be applicable.
- II) One Audit Course, Research Methodology and additional courses as per the recommendation of RPC.





III) If student desires to withdraw from Ph.D. Dual Degree and want to complete M.Tech., he should complete the course work and remaining credit requirements as per the suggestion of RPC.

IV) Only One Degree will be given for successful and eligible candidates and the degree be titled as M.Tech. + Ph.D. Dual Degree.

V) Rule book is approved with modification and is enclosed in Annexure-II.

**Action Taken:** Modified Rules are put in Annexure II of this document. The point regarding only one degree to be given will be further pursued by Dean(R&C) with respect to the CGPA of M Tech part of the degree. The information will be collected from the other IITs and will be brought in the next Senate.

#### **S 35.04 Proposal from Architecture Department for OC course requirements**

In the present scheme of Instruction, B Arch, students have to complete OC courses of 12 to 24 credits. However, OC requirement for B Tech students has been relaxed and they can do 0 to 12 credits. Chairman, BoS of Architecture Dept. has requested for similar relaxation to B Arch students for OC courses. The DE requirements will accordingly be enhanced. Senate is requested to approve the request.

**Resolution:** Approved

**Action Taken:** The corresponding modifications will be included in the next version of the Academic Rule Book.

#### **S 35.05 Ratification of Item on New Elective for 7<sup>th</sup> Semester B Tech (Civil)**

For 7<sup>th</sup> Semester B Tech (Civil), a new elective was proposed by the BoS of Applied Mechanics Dept. The BoS was attended by all the external members. On the advice of APPEC, Chairman Senate had approved this new elective to enable pre-registration. Senate is requested to ratify the same.

**Resolution:** The proposal has been received from Chairman, BoS(Civil).The Details of course name is given in Annexure-A. The senate ratified the item.

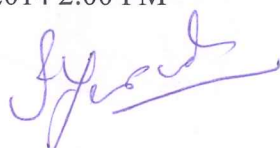
**Action Taken:** The Details of the course are given in Annexure III.

#### **S 35.06 Terminology for identifying two Semesters in the grade card**

At present in the Grade card Semesters are mentioned as Autumn 2013 and Spring 2014. APPEC has proposed that for better clarity it may be mentioned as Autumn (July-November) 2013 and Spring (January-May) 2014. Senate is requested to approve the proposal.

**Resolution:** Approved

**Action Taken:** This will be included in the Grade Card to be issued from July 2014 Session



### **S35.07 Special permission to Mr. Sanket Dhone to continue studies beyond six years**

Mr. Sanket Dhone (BT08MEC054) has earned 314 credits and has completed six years of study. He has requested for special permission to allow him to register for Maths III course in the forthcoming semester. APPEC has gone through the details and noted that all through this student was meeting the minimum credit requirements. APPEC suggested that one special chance may be given in the next semester to complete core course of Maths III. Senate is requested to approve the same.

**Resolution:** Senate approved the Special permission for one time. In Case he fails then the APPEC can take the decision for the future action.

**Action Taken:** Student has registered for the course.

### **S35.08 M Tech project work in collaboration with industries**

As per the present norms, M Tech project work in collaboration with IISC/IIT/National Laboratories is permitted without deducting the stipend. However, if student does project work with other industries, then, stipend is not given. As per the suggestions of the TEQIP Mentor, APPEC discussed the possibility of allowing the stipend if student does M Tech project work in other industries. APPEC suggested the following industries:

- a) Public Sector industries
- b) An industry which is listed in the stock exchange.

Senate is requested to deliberate and give further guidelines.

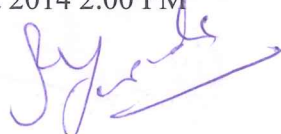
**Resolution:** Senate resolved that the students should be sent only to such Industries including private ltd. industries which will give stipend equivalent to M.Tech. stipend. The consent form to be re-drafted mentioning the stipend required. Further, it is resolved that the criteria should be same for all Industries. The candidate should have one co-guide from the industry and quality of work be verified by the guide.

**Action Taken:** These norms have been conveyed to the Departments and will be included in the next version of the Academic Rule Book.

### **S 35.09 Credit transfer request from SGGSIET, Nanded.**

Shri Guru Gobind Singh Institute of Engineering and Technology (SGGSIET), Nanded has recently signed MoU with VNIT. SGGSIET has requested to allow four to five students of some of the B Tech branches to attend 3<sup>rd</sup> 5<sup>th</sup> and 7<sup>th</sup> semester. They will attend all the courses and will undergo evaluation and will be awarded grades. The credits earned by them will be accounted for in their degree requirements at SGG. Senate is requested to deliberate and issue suitable guidelines.

**Resolution:** Senate resolved that VNIT should offer collaboration for summer projects. The virtual classroom online courses to be offered to SGGSIET, Nanded initially for a period of one year as per the fees and conditions. The general policy to be formulated for such collaboration.





**Action Taken:** A policy for Summer Internship is being formulated by APPEC.

**S35.10 Ratification: Two credit course special permission to two students from B Tech (MME)**

During transition phase of credit system, there were occasions, wherein, two credits were condoned by the Senate. Two students of B Tech (MME) fell short of two credits due to their backlog courses and availability of limited number of 8 credit electives. APPEC looked into these cases and subsequently Chairman Senate has allowed them to do special two credit course for fulfilling degree requirements. Senate is requested to ratify the same.

**Resolution:** Senate ratified the item. The names of the students are as given below:

- i) Mr. Ankit Mahajan BT 10 MME 051
- ii) Mr. Milind Kamble BT 10 MME 056

**Action Taken:** Students have completed the course.

**S35.11 Summer Term course for a student falling short by 6 credit for B Tech / B Arch degree**

If a student falls short by maximum 6 credits to complete B Tech / B Arch degree requirements, then, Chairman Senate, after the recommendations of APPEC, may allow a special summer term course. Such a course will be offered only if a faculty is available for this course. In view of peculiar situations faced by some students, such a provision is needed. It is proposed that APPEC shall recommend such a special course, after considering the merit and genuineness of the case. The consideration will be given for the cases where the student had registered for the backlog courses prior to taking new courses. Senate is requested to consider the proposal for approval.

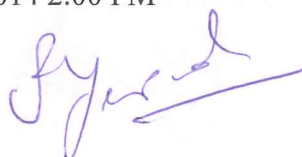
**Resolution:** Senate disapproved the item.

**Action Taken:** Noted

**S35.12 Screening criteria in the written Test for Ph. D Admission**

At present, all the applicants for full time Ph D program appear for a written test and only those who score more than 40% marks become eligible for interview. In some Departments, very few candidates got eligible for interview. It is proposed to change the screening to relative criteria. In these criteria, the marks of the top most scorer of the written test will be normalized to 100 and marks of other candidates will be scaled accordingly. Then, depending on the number of candidates to be called for the interview, Department can set a cut-off normalized score. However, normalized cut-off below 40% is not allowed. Senate is requested to discuss the proposal and approve the same.

**Resolution:** Senate approved the proposal and decided to consider percentile score for written test. The department having less number of applicants may conduct the



written test and interviews for all candidates and declare the merit list accordingly. This will be effective from next Ph.D. selection process.

**Action Taken:** This will be implemented for the advertisement for Ph D admission to be given in November 2014.

### **S35.13 Nomination of members for APPEC**

Two members of the Academic Performance and Progress Evaluation Committee (APPEC), Prof. S. B. Shringarputale and Prof. R K Paretkar are completing their tenure of one year. Senate is requested to nominate two new members.

**Resolution:** Dr. O. R. Jaiswal, Dean Academics proposed the following Professors to be nominated as new members for APPEC.

1. Prof. Animesh Chatterjee & 2) Prof. M. V. Aware

This proposal has been approved by senate.

**Action Taken:** New members have been included in the APPEC.

### **S 35.14 Permission for submitting Ph D thesis after expiry of requested extension**

Prof. I L Muthreja, had requested for extension of Ph D registration upto July 2013. However, he did not submit the thesis, within this period. He has now sought the permission to submit Ph D thesis. The APPEC has gone through the details of the developments. As per the suggestions of APPEC, reasons from the candidate for delay in submission have been obtained. After receiving the suggestions, Dean (R&C) has recommended to allow the candidate to submit the thesis. In an earlier case of Mr. Vishal V Shukla, the permission for submission after the expiry of extension period, was sought from the Senate, and hence, this matter is also referred to Senate for permission.

**Resolution:** Senate permitted Prof. I. L. Muthreja to submit Ph.D. Thesis with a condition that pre-Ph.D. Seminar to be given before submission of Ph.D. Thesis.

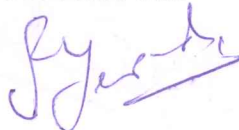
**Action Taken:** Senate decision has been conveyed to the Department.

### **S35.15 Any other point with permission of chair.**

#### **35.12.1 Collaboration with Academic Institutions:**

**Resolution:** The Collaborations with Academic Institutions should be carried out in following areas:

- I) Collaboration for summer projects / internships.
- II) Collaboration to deliver online courses as virtual classroom.
- III) Collaboration by encouraging faculty to join particular course on payment basis.





The proposal for the same should be moved through APPEC before considering any collaboration.

**Action Taken :** APPEC has constituted a committee (Dr Sachin Mandavgane, Dr Sujit Ghosh, and Dr Jatin Bhat) to work out the details for summer internship program.

**Resolution:** Action Taken report is confirmed.

**S36.03 Students for the award of degree in the 12<sup>th</sup> Convocation scheduled on 15<sup>th</sup> Sept. 2014.**

List of students eligible for the award of various degrees is given in Annexure IV. Senate is requested to approve the same.

**Resolution:** Senate approved the list. It is further resolved that if in the intervening duration, prior to Convocation, any student becomes eligible for the award of degree, then, Chairman Senate is authorised to approve the degree.

**S36.04 Proposal for starting M Tech program in Chemical Engg.**

BoS of Chemical Engineering has sent a proposal to start a new academic program of M Tech in Chemical Engineering. The BoS was attended by all the external members. APPEC has given a set of suggestions, viz., to increase number of lab. courses, removal of seminar and Research practice credit course, to restrict text books to two only. The modified scheme is at Annexure V alongwith the syllabus of all the courses, Annexure VI.

**Resolution:** Senate approved the M Tech Program in Chemical Engineering.

**S36.05 Approval to modifications done in the scheme of M Tech Transportation**

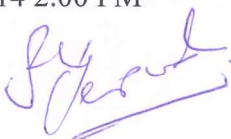
For the students admitted in the year 2012 and 2013, certain modifications are already done at the Department level in the scheme of M Tech (Transportation Engineering). In the M Tech (TRE), a course has already been taught to students, which was not approved by the Senate. Post-facto approval for this course is requested along with approval for changing credits of some courses. Proposal from BoS of Civil Engg Dept. is placed at Annexure VII. APPEC has discussed this issue and had observed that the change will have to be approved for student to get the degree. Senate is requested to approve the change.

**Resolution:** Senate approved the change and further resolved that such thing should not happen in future.

**S36.06 Proposal to consider R&D project staff for admission for Ph D**

A proposal was received from Dr Sachin Mandavgane regarding making provisions to consider R&D project staff for admissions to Ph D even if he/she does not have GATE score. The proposal was considered by APPEC and following are APPEC's observations:

*After detailed discussion, APPEC suggested that R&D project staff must have worked for one year, he/she must possess basic degree in the appropriate branch which is admissible for Ph D admission in that dept. after one year, candidate can apply for Ph D admission, and after qualifying through a written test at the Dept. level, a committee of Dean (R&C), HoD, Expert Prof. from Dept., and*



*Project co-ordinator will conduct a comprehensive exam. Depending on the recommendation of this committee, candidate will be allowed for the registration. At the time of registration, at least one year stipend shall be available from the ongoing R&D project. After the R&D project is completed, candidate can get Institute fellowship for max. upto four years since the date of registration.*

Senate is requested to issue further guidelines on this matter.

**Resolution:** The Senate approved that the candidate after getting selected as R & D Project Staff without GATE score, will be given an opportunity to appear for interview as per the procedure followed by VNIT for Ph.D Registration at very first advertisement of Ph.D. If the R & D project funding is over then, the institute funding of stipend will be given subject to qualifying GATE / NET/SET Examination. Stipend from Institute will be made available till the four years are completed for Ph D registration.

**S36.07 Request to allow Mr. Trinath Kumar to do one course along with M Tech Project Phase II– Item for information to Senate.**

Mr. Trinath Kumar (12MT06IPS012) has backlog in EEL 507 Power System Dynamics II (Even Sem. Course). He could not credit this course in January 2013 and January 2014. Maximum time allowed is three years. As per rule student shall credit all other courses before registering for Project Phase II. There is no way, that student can do project phase II in three years. Hence, request for allowing Project Phase II and EEL 507 together.

The matter has been discussed in APPEC and APPEC recommended this student to be given exception.

**Resolution:** Senate resolved to give last chance to the candidate.

**S36.08 Any other point with permission of chair.**

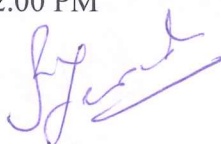
NIL

**Table Agenda for the 36<sup>th</sup> Senate meeting**

**S36.09 Additional list of students eligible for award of degree and list of medal and award winners**

Additional list of student who has become eligible for award of degree in the 12<sup>th</sup> Convocation is placed at Annexure T1. Senate is requested to approve the list. List of medal and award winners is placed at Annexure T2.

For Sir Visvesvaraya Gold Medal, this time, there are two students with same CGPA. Also for academic excellence prize for M.Tech. in Computer Science program, there are two students with same CGPA. Since CGPA is the criteria of merit to decide the award and at present CGPA is being mentioned upto two decimals, therefore, there is a tie. Hence, it is proposed to resolve the tie by obtaining the CGPA upto 3<sup>rd</sup> decimal. With this solution, tie can be removed for these medals and same criteria can be used in the future also to remove the tie. Senate is requested to approve the same.





**Resolution:** i) Senate resolved that for 12<sup>th</sup> Convocation the Sir Visvesvaraya Gold Medal should be given to both the students. Also the academic excellence prize for M Tech in Comp. Sc. Program be given to both the students. The donated prizes be shared by these eligible students and accordingly the prize list be modified.

ii) Senate further resolved that for future, tie breaking criteria should be evolved by the Institute.

**S36.10 Relaxation in the rule for minimum credit requirements to register for B Tech Project**

As per Clause 2.6 Academic Rule Book, a student must earn 200 credits to be eligible for registration to B Tech Project Part 1. This rule has been implemented for the first time in the present semester. Some students have requested that the credit requirement limit shall be reduced to 185 credits. The reason for this request is based on the logic that a student with 185 credits can finish degree requirement of 320 credits in 4.5 years. However, if such a student is not allowed to register for Project, then, student will require 5 years for degree completion. The relaxation is being requested only for this year's students. Senate is requested to consider this request.

**Resolution:** Senate approved the proposal of relaxation for this year students only.

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



**Chairman (Senate)**

## **Annexure-A**

### **A) Proposals from UG Academic Affairs Secretary**

#### ***UG Agenda 1-Concerning lectures of first year UG students***

From the feedback received from present second year students, and student mentors of last year it was found that sections which were taught by teaching assistants fared relatively badly in the examinations. Hence as far as possible, the student council requests the senate that first year UG students should be taught by senior faculty.

#### ***UG Agenda 2- Optional Summer Internship for 3rd Year UG Students of B.Tech Programme on Credit Basis***

1) The summer internship programme is offered as an **Open Course**. The programme will take place in the summer between sixth and seven semesters of the B.Tech programme. Only students of present sixth semester will be able to register for this open course. The minimum duration of the summer internship will be 6 weeks. Since this is an open course, it would be optional for the students.

2) Every engineering department of VNIT will have a Professor-in-Charge of Training to coordinate the activities of this course related to summer internship. Alternatively, the Major Project coordinator may additionally take upon these responsibilities.

3) Any arrangement with the Industry or academia has to be routed through the Training & Placement Section of VNIT via. the Professor-in-Charge of training of the respective department. Alternatively, the student has a choice of arranging for the summer internship himself/herself. However in this case, it is the responsibility of the T&P Section to authenticate the internship and give approval to the student. In addition, the student must receive approval from the Professor-in-Charge of training of his/her department.

#### ***UG Agenda 3-Introduction of Flipped Courses***

1) 'At least one Flipped Course should be offered for every semester of each department'

2) The course can be a DE (Departmental Elective) or an OC (Open Course). It should not be a DC (Departmental Core) course.

3) Once the course is offered as a flipped course, the course coordinator will instruct the students to watch the course content online at home/hostel. This can be done through various course providers like EDx, NPTEL, Coursera and so on.

4) Classes for the flipped course will be held like any other normal course. However the whole time would be devoted to problem solving, in-depth study of the subject and the designing aspects of the subject.

#### ***Information for Senate***

1) The Student Council (2014-15) aspires to conduct remedial classes for I semester UG students.

Tentative date of commencement: 17th September, 2014





Venue: Department of Mathematics (preferably)

2) In addition, it is also desired that a forum for the Student Mentor Programme (on the lines of IITB Freshmen Forum) be developed. Tentative name of the forum is '*Mitra-A Friend*'

3) Development of an online submission and assessment portal, on the lines of 'Moodle' is underway.

**Resolution:** Chairman Senate appraised that initially one course per department per semester be video recorded. The proposal of flipped course is kept in abeyance.

### **A) Proposal from PG Academics Affairs Secretary**

1. Addition of mandatory subject in the 1<sup>st</sup> semester that deals with inventions and innovations in the core subjects, journals, magazines, books and related articles for 2 credits.
2. Introduction of one open course for PG students in 3<sup>rd</sup> semester upto 3 credits.
3. Introduction of entrepreneurship course during 3<sup>rd</sup> semester.
4. One day industrial visit to be made mandatory during 2<sup>nd</sup> semester.
5. Provision of inter-disciplinary departments to participate in core companies during placement.
6. Provision to internet facility for 24 hours.

