## विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान, नागपूर - 440010

## DRAFT MINUTES FOR 42 ${ }^{\text {nd }}$ MEETING OF THE SENATE HELD ON $21^{\text {st }}$ JULY 2016 IN THE SENATE HALL OF V.N.I.T., NAGPUR.

The $42^{\text {nd }}$ Meeting of senate was held on Thursday the $21^{\text {st }}$ July 2016 at 10.00 A.M. in the senate Hall.

The following members were present;


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| 46 | Dr.Vilas Kalamkar | Assoc. Dean ,VNIT, Nagpur | Invited <br> Member |
| :---: | :--- | :--- | :---: |
| 47 | Prof.S. R. Sathe | Registrar, VNIT, Nagpur | Member- <br> Secretary |

Dr.P.S.Deshpande attended the meeting as in-charge HOD computer Science.
Shri. K. N. Dakhale, Dy. Registrar (Stores and Exam) and Smt. A. A. Ansingkar, Asst. Registrar, Exam attended the meeting as special invitee.

Dr. Milind Atrey, Professor of Mechanical Engg., IIT Mumbai, Dr. Kamal Singh, Ex.VC, SGBAU, Amrawati, Dr. Meenakshi Gupta, Prof. of Humanities, IIT Mumbai, Prof. P. M. Padole, Dean (Faculty Welfare), Dr. U. A. Deshpande, Head, Computer Science, Prof. Girish N. Ronghe, Professor of Applied Mechanics, Prof.A. P. Patil, Professor of Metallurgical \& Materials Engg., Dr.Vijay Kale, Assoc. Dean, Dr.Anirban Mandal, Assoc. Dean and Shri. D M. Parate, Dy. Registrar Academics could not attend the meeting.

The minutes of the 42nd Senate meeting are as follows:
At the outset chairman senate extended welcome to Prof. Shailesh R. Sathe, Prof. Vilas K. Deshpande, Prof.R. R. Yerpude, Prof.V.B.Borghate, Dr. B. R. Sankapal, Prof.A. D. Ghare, Dr. U. A. Deshpande, Prof. J. D. Ekhe, Dr. Anirban Mandal, Dr. V.S.Kale, Dr. Sachin Bakre, Dr. Manish Kurhekar, Dr. Yogesh Deshpande, Dr. B. S. Umare, Dr. Jatin Bhatt, Dr. P. P. Chakravarthy \& Dr. V. R. Kalamkar and thanked Prof. R. R. Yerpude, Prof. Shailesh R. Sathe, Prof. A. R. Tembhurkar, Prof. Vilas K. Deshpande, Prof. S. S. Umare, Dr. P. S. Deshpande, Dr. Ranjan Sonparote, Dr. M. R. Ramteke, Prof. V. B. Borghate, Dr. U. A. Deshpande, Dr. Anupama Kumar, Dr. A. B. Andhare, Dr. D. H. Lataye, Prof.J. D. Ekhe and Dr. S. S. Bhat for their valuable contribution in the Senate.

The Chairman Senate also appraised all the members on various academic issues.

## S42.01 To note and confirm the minutes of the 41st meeting of the Senate held on 15th February 2016.

The minutes of the 41 st meeting of the Senate (Annexure-I) were circulated to all the members. Suggestions from Dr.S.B.Thombre were received and the suggestions are incorporated. The Senate is requested to confirm the minutes accordingly.

Resolution: After the detailed discussion, minutes of 41st Senate are approved.

## S42.02 To note the Action Taken Report on resolutions of the 41st meeting of the Senate.

Agenda:
B.Tech.scheme with 170 credits has been implemented from 2015 batch. In the Academic Session 2015-16, the $1^{s t}$ and $2^{\text {nd }}$ semesters are following the Senate approved revised scheme. The revised scheme for $3^{\text {rd }}$ Semester onwards will be starting from July 2016. Proposals from various BoS for revised B.Tech. schemes along with the detailed syllabus are given in Annexure-IV. Senate is requested to approve the same. Detailed syllabus has not been received from some of the Departments. These will be approved by the Chairman and will be subsequently ratified in the next senate.

Resolution: Schemes of instructions are approved with proposed changes.
i)The proposal to conduct CML 393-Innovative Design as a three credit course for one semester is approved and senate will review the same after six months.
ii)The BOS Mechanical Engineering should bring down the total number of tutorials to six.

Action Taken Report: i)The registration of courses has been done. The schemes are uploaded on the institute website.
ii)However, for B.Tech. Mech. Engg. The revised Scheme was not ready till the date of course registration. Hence, the registration of third semester Mech. was deferred. The modified scheme of Mechanical Engg. approved by APPEC is placed in 42nd meeting(S42.03.06).
iii)The detail scheme of architecture along with first two semester syllabus are placed in 42nd meeting(S42.03.07).
iv)The revised credit structure for CML 393-Innovative Design is included in 42nd Senate for approval(S42.05).

## S41.05 To approve Syllabus of Mathematics courses for B.Tech. and M.Tech. programs

## Agenda:

BoS of Mathematics Department has submitted syllabus of Mathematics courses offered by Mathematics Department to various B.Tech. and M.Tech. programs. These syllabus along with the suggestions of the BoS are given in Annexure-V. Senate is requested to approve the same.

Resolution: Approved with proposed changes. The titles of Operational Research subject taught by Mathematics department be modified.
Action Taken Report: As per 41st Senate resolution, the title of MAL-301,Operational Research is Modified as MAL-301,Mathematical Programming.

## S 41.06 To ratify the changes done in Academic Calendar 2015-16

Agenda:
Due to changes in the scheduled list of holidays, three changes have been implemented in the Academic Calendar of 2015-16. The Changes are:

1) Holiday of Holi is shifted from Wednesday, $23^{r d}$ March to Thursday $24^{\text {th }}$ March 2016.
2) Holiday of Mahavir Jayanti is shifted from Tuesday, $19^{t^{\prime \prime}}$ April to Wednesday $20^{\text {th }}$ April 2016.
3) Holiday of Buddha Purnima is shifted from Wednesday, $25^{\text {th }}$ May to Saturday $21^{s t}$ May 2016.

These changes have been approved by the Chairman Senate. Senate is requested to ratify the above changes. Modified Calendar is given in (Annexure-VI).

Resolution: The senate ratified the academic calendar 2015-16
Action Taken Report: The revised academic calendar has been circulated.
S41.07 Academic Calendar of 2016-17
Agenda:

Academic Calendar for the Academic 2016-17 is given in (Annexure-VII). Since dates of Academic activities are to be put in the Wall-Calendar of 2016, the Chairman Senate has approved this Academic Calendar. Senate is requested to ratify the same. If there are any suggestions, the same may be incorporated.
Resolution: The senate ratified the Academic Calendar 2016-17 with the observation that the sessional slot should be as per the earlier schedule.
Action Taken Report: Academic Calendar 2016-17 has been modified as per suggestion received from Senate and is circulated.

## S41.08 To ratify Entrepreneurship course for 20 students

Agenda:

In the Winter 2015 Semester (July-Nov 2015), 6 credit course on "Introduction to Entrepreneurship" was offered to 60 students. The instructions were delivered by invited speakers in collaboration with the Alumni Association. Dr S S Bhat and Dr R B Deshmukh coordinated the evaluation and conduct of the course. The report submitted by them is quite positive and these students got benefitted by this course.

Further, it is suggested that as a sequel to this course one more course for about 20 students from this batch, who have launched a company / start-up be floated for six credits. This course will also be taught by the same faculty. Based on this suggestion, the Chairman Senate has approved a six credit course on "Building Technology Ventures" (Annexure-VIII). This course is for only 20 students. Most of these students will be getting these credits over and above the credits required for degree requirements.

Resolution: : The senate ratified the proposal with a suggestion that the faculty teaching the courses should be adjunct faculty.
Action Taken Report: The course has been successfully run in the Jan-April Semester. .

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Agenda:

The election of Student Council used to be conducted in the ODD Semester, in the month of August. Dean (SW) has suggested that the election of VNIT Student Council for 2016-17 onwards be conducted in the EVEN Semester, so that outgoing Committee and Newly elected Committee can have some overlapping period (Annexure-IX). The eligibility criteria are also modified accordingly. Senate is requested to discuss and approve.
Resolution: Not approved. The present system of election will continue.
Action Taken Report: Noted and information has been passed on to Students Council.

## S41.10 Student Mentor Program

## Agenda:

Since July 2013, Student Mentor Program(SMP) has been implemented at VNIT Campus. The operational details of SMP are given in (Annexure-X). Senate is requested to approve the same.

Resolution: Approved. The period for Professor In-charge SMP will be of two years.
Action Taken Report: Dr.O.R.Jaiswal shall be working as Professor In-charge SMP for two years.

## S41.11 R\&D project staff for Ph.D. registration

## Agenda:

In the $36^{\text {th }}$ meeting of the Senate it was resolved that, a $R \& D$ project staff can be made eligible for admission to Ph.D., even if he/she does not have GATE score. This relaxation needs modification. It is noted that Project Assistant's/Project Fellows working under R\&D projects from some industries/companies are also seeking registration for Ph.D. without GATE score. It is proposed that candidates who are working as JRF/SRF in DST/UGC/CSIR and other Government agency sponsored projects at the level of JRF/SRF or equivalent shall only be allowed for this scheme. Project staff from $R \& D$ projects sponsored by other agencies will not be given this relaxation.

Resolution: The senate approved the proposal with a modification to include the Project Staff from $R \& D$ projects sponsored by other agencies also to register for Ph.D. provided the following conditions are satisfied
(i) Fellowship amount is at par with existing institute fellowship for full time Ph.D students with GATE/NET qualifications .
(ii )The $R$ \& D project should support the student with this fellowship after his Ph.D registration for at least two and half years.
(iii) The project must have equipment component worth atleast Rs 30 lakh.
(iv) The project must have $20 \%$ of the total project cost as Institute overhead.
(v) The project must have other components such as contingency, travel support etc. at reasonable level.

The institute Ph.D. fellowship for such scholar will be considered for maximum one year period after three years with an appeal at an interval of six month as per the merit of the case.

Also, senate expressed that all efforts should be made by Principal Investigator/Coordinator for these scholars to obtain funding through another project for this remaining period.

Action Taken Report: Implemented.

## S41.12 Codes of courses offered by CVN

## Agenda:

In the $39^{\text {th }}$ meeting of the Senate, it is resolved that courses offered by CVN will have VN code and the BoS of CVN will adopt this change. The same has been implemented for the session 2015-16. However, the BoS of CVN has proposed (Annexure-XI) that code of the courses offered by them shall be EN. Senate is requested to discuss this issue.

Resolution: The senate approved the code of courses offered by CVN as EN.

## Action Taken Report: Implemented.

## S41.13 Examination fee for PhD.

## Agenda:

Presently, Ph.D. Scholar pays a fee of Rs. 25,000 towards Ph.D. Examination fee. This fee is utilized to pay Rs. 5000/- each to both the examiners, to pay Rs. 2000 as viva honorarium and to meet the TA/DA expenses. It is noted that this amount of Rs. 25,000 is not sufficient to meet these expenses. Moreover, for foreign examiner (which is mandatory for students registered after July 2012), the honorarium is USD 200 (Rupee 14,000/-). There have been cases, wherein, total bill has gone upto Rs. 55,000. In view of this it is proposed to enhance the PhD Examination fee from Rs. 25,000 to Rs. 40000. Also, the provision to send thesis to foreign examiner may be made optional.

Resolution: The senate approved the provision to send thesis to foreign examiner be made optional. The senate also approved the enhancement of Ph.D. Examination fees to Rs. 30000 and senate will review the same every year.

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Family members of late Dr A G Deshpande, retired Professor from Mathematics Dept. of VNIT, have approached with a proposal to institute an award in his memory for the topper student of Maths I and Maths II (Combined topper). APPEC has discussed the proposal and informed the issues like deposit of Rs. I Lakh, review of award after 15 years etc to them. Senate is requested to discuss and approve the proposal.

Resolution: Approved.

Action Taken Report: Implemented.

Resolution: The action taken report is confirmed with suggestions incorporated.

S42.03 Items for ratification-The following items received from Chairman, BOS of various departments are approved by Chairman, Senate after recommendation of APPEC to facilitate course registration of July - December Semester.

S42.03.01To ratify additional degree recipients approved by the Chairman, Senate after the last Senate meeting prior to Convocation of 2015.

The list of candidates approved by the Chairman, Senate after the last Senate meeting prior to Convocation of 2015 is placed in Annexure -II.

The Senate is requested to ratify.
Resolution: Ratified.
S42.03.02 To ratify M.Tech. ( STR) and M.Tech.(SDEE) Schemes.
The revised schemes of M.Tech.( STR) and M.Tech.(SDEE) are given in Annexure-III (A) and Annexure-III (B) respectively.

The Senate is requested to ratify.
Resolution: Ratified.

## S42.03.03 To ratify B Tech ( Chemical Engg.) and M.Tech.(Chemical Engr.) Schemes.

The revised schemes of B Tech ( Chemical Engr.) and M.Tech.(Chemical Engr.) are given in Annexure-IV (A) and Annexure-IV (B) respectively.

The Senate is requested to ratify.
Resolution: Ratified with following correction in Annexure-IV:
i)In B.Tech.Sem.III,MAL-205 Numerical methods and Probability Theory to be replaced by MAL-203 Numerical Methods and Computation.
ii)In B.Tech.Sem.IV,MAL-205 Numerical methods and Probability Theory to be replaced by MAL-208 Numerical Methods and Statistical Methods.

Further, the senate requested BOS (Chemical Engg.) to submit corrected scheme before the beginning of next Sem.

S42.03.04 To ratify modification in M Sc (Physics) Scheme.
The revised scheme of M.Sc.(Physics) is given in Annexure-V.
The Senate is requested to ratify.
Resolution: Ratified.
S42.03.05 To ratify the changes in B.Tech.(Computer Science Engr.) and M.Tech. (Computer Science Engr.) Schemes.

The changes in schemes of B.Tech.(Computer Science Engr.) and M.Tech.( Computer Science Engg.) are given in Annexure-VI (A) and Annexure-VI (B) respectively.

The Senate is requested to ratify.

Resolution: Ratified with correction that instead of MAL 205 the department of Maths. will offer MAL 208 Numerical Methods and Statistical Methods.

## S42.03.06 To ratify the modified scheme of B.Tech. (Mechanical Engr.)

The modified scheme of B Tech (Mechanical Engr.) is given in Annexure-VII.
The Senate is requested to ratify.
Resolution: Ratified.
S42.03.07 To ratify syllabus of the revised scheme of B.Arch.
The revised scheme of B.Arch. is given in Annexure-VIII.
The Senate is requested to ratify.
Resolution: Ratified.
S42.03.08 To ratify the revised M.Tech.(Communication System Engineering) Scheme of ECE department.

The revised schemes of M.Tech.( Communication System Engineering) Scheme of ECE department is given in Annexure-IX.

The Senate is requested to ratify with a correction that MAL 504 be read as MAL 503 and MAL 505 be read as MAL 504.

Resolution: Ratified.

The course and syllabus of Basic German(HUL 302) of department of Humanities is given in Annexure-X.

The Senate is requested to ratify.
Resolution: Ratified.
S42.04 To Approve the proposal from BOS Civil Engr. for starting new elective courses.
BOS of Civil Engr. has sent a proposal to start two new electives (CEL 5XX - Introduction to Climate Change and CEL 510 - Environment Management) for M Tech programs from July 2016 semester. The details are given in Annexure XI. These courses were discussed and recommended by the APPEC.
BoS of Civil Engr. has also sent a proposal to start new elective course CEL 4XX - Introduction to Soil Dynamics, in B Tech 7th / 8th Semester. Details are given in Annexure XI.

BuS of Civil Engr. has also sent proposal to modify the M.Tech. (Transportation Engg) scheme. Details are given in Annexure XI.

The Senate is requested to deliberate and issue guidelines.

Resolution: Senate approved the proposal and suggested to finalize course code along with Exam. section.

## S42.05 Review of credit structure of Course CML 393 - Innovative Design.

Vide Senate resolution No. 41.04, the credit structure of course CML 393 (Innovative Design) was to be approved by the Chairman Senate for the Summer 2016 semester after discussion with the course co-coordinator. Further, for the next academic session, the course Co-coordinator has suggested credit structure as 1-1-2 for 3 credits.

Senate is requested to give suggestions and approve.
Resolution: Senate approved the proposal with a credit structure as 2-0-2 for 3 credits.

## S42.06 Eligibility criteria for admission of foreign students for Ph D Program at VNIT

The institute has received four applications for Ph.D. program from foreign students. At present, the Indian students are selected for Ph.D. program on the basis of GATE score. However, for foreign students, there are no guidelines. The Senate is requested to deliberate and advice.

Resolution: Senate approved the proposal and requested Dean $(R \& C)$ to work out guidelines along with Dr.K.Bhurchundi, Associate Dean.

## S42.07 Nomination on APPEC

a)Since the tenure of Prof. M V Aware and Prof. A Chatterjee as a member APPEC is over, two new members of senate are to be nominated.

The Senate is requested to nominate the same.
b)It is proposed that the Associate Dean (Exam) be inducted as the member of APPEC.
c)Since Prof.V.K.Deshpande, (Ex.HOD Physics Department ) who is APPEC member, has taken over a Charge of Dean(Acd.) from 1st July 2016, it is proposed that Dr.B.R.Sankapal, HOD Physics Department shall be a member of APPEC for remaining tenure i.e upto 30th June 2017.
d)Prof.O R Jaiswal as immediate past Dean (Acd.) shall be member of APPEC in place of Prof. R.M.Patrikar.

The Senate is requested to approve $\mathrm{b}, \mathrm{c}$ and d .
Resolution: Senate approved the following nominations on APPEC:
a) Prof.S.G.Sapate and Prof.Y.B.Katpatal in place of Prof. M V Aware and Prof. A Chatterjee respectively.
b) Associate Dean (Exam) will be inducted as the invited member of APPEC.
c)Dr.G.P.Singh will be APPEC member in place of Dr.V.K.Deshpande since he has taken over the charge as Dean(Acd) for a period of one year.
d)Prof.O.R.Jaiswal as immediate past Dean (Acd.) shall be member of APPEC in place of Prof. R.M.Patrikar.

## S42.08 Guidelines for instituting award for meritorious students

The proposed guidelines for instituting award for meritorious students discussed and recommended by APPEC are given in Annexure-XII.

The Senate is requested to deliberate and advice.
Resolution: Senate approved the proposal.

## S42.09 Proposal from HOD Applied Mechanics regarding M.Tech. Three years program.

The proposal received from HOD Applied Mechanics regarding M.Tech. Three years program is given in Annexure-XIII.

The APPEC noted that in the present practice the student is available to Dept for lab work for two years. If the course work is spread over four sem., then some of the courses of higher sem. which have pre requisite cannot be registered.

Moreover, now there are very few students with M.Tech. three year program, hence APPEC opined that the present practice shall continue.

The Senate is requested to deliberate and advice.
Resolution: Senate resolved that the present practice should continue.

## S42.10 Proposal for contact courses for Ph.D. students.

Proposal for contact courses i)MAL 605 Fixed Point Theory and applications ii) MAL-606 Cosmology, for Ph.D. students of Mathematics dept. has been received from Chairman BOS Maths. (Annexure-XIV)

The Senate is requested to deliberate and advice.
Resolution: Senate approved with a condition that any student who has completed the presrequisites should be allowed to register for the contact courses.

## S42.11 Minor Modification in the format of Degree and grade card awarded by VNIT

A Committee constituted under the chairmanship of Secretary Senate has proposed following minor modifications in the format of degrees awarded by VNIT.
a) Day of Convocation to be printed on the degree along with the date.
b) CGPA on the scale of 10 to be printed on the degree.
c) Medium of instruction ( English) to be printed on the grade card.

The Senate is requested to approve the same.
Resolution: Senate approved the proposal.

## S42.12 Any other point with the permission of the chair.

S42.12.01 Table Agenda: To approve the syllabus for DE course at Ph.D level-ARL 605.
BOS of Department of Architecture and Planning has sent a proposal regarding DE course at Ph.D level-ARL 605 Planning for Disaster Risk Resilience(Annexure-XV).

The Senate is requested to approve the same.
Resolution: Senate approved the proposal.
S42.12.02 Table Agenda: Consideration of joint Ph.D program under BRICS.
The proposal to approve in principal a joint Ph.D program under BRICS was submitted by Prof.V.A.Mhaisalkar. (Annexure-XVI)

The Senate is requested to approve the same.
Resolution: The Senate approved the proposal in principle. The modalities shall be worked out.


