



विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान, नागपूर – 440010

VISVESVARAYA NATIONAL INSTITUTE OF TECHNOLOGY, NAGPUR – 440 010

DRAFT MINUTES FOR THE 55TH MEETING OF THE SENATE HELD ON 15TH NOVEMBER, 2019 AT 3.30 PM IN THE SENATE HALL OF VNIT, NAGPUR.

The 55th Meeting of the Senate was held on 15th November, 2019 at 03.30 PM in the Senate Hall of VNIT, Nagpur.

The following members were present:

| S. N. | Name of Senate Members | Designation / Department | |
|-------|------------------------------|---|----------|
| 1. | Prof. Pramod M. Padole | Director, VNIT, Nagpur | Chairman |
| 2. | Dr. Shashikant B. Thombre | Dean (Academics), VNIT, Nagpur | Member |
| 3. | Dr. Dilip R. Peshwe | Dean (Faculty Welfare), VNIT, Nagpur | Member |
| 4. | Dr. G. P. Singh | Dean (Planning & Development), VNIT, Nagpur | Member |
| 5. | Dr. B.S. Umre | Dean (Students Welfare), VNIT, Nagpur. | Member |
| 6. | Dr. V.B. Borghate | Dean (Research & Consultancy), VNIT, Nagpur | Member |
| 7. | Dr. M. M. Mahajan | Head, Deptt. of Applied Mechanics, VNIT, Nagpur | Member |
| 8. | Dr. V. S. Kapse | Head, Dept. of Architecture & Planning, VNIT, Nagpur | Member |
| 9. | Dr. S.S. Umare | Head, Dept. of Chemistry, VNIT, Nagpur | Member |
| 10. | Dr. Mahesh Varma | Head, Dept. of Chemical Engg., VNIT, Nagpur | Member |
| 11. | Dr. R.S. Gedam, | Head, Dept. of Physics, VNIT, Nagpur | Member |
| 12. | Dr. U.A. Deshpande | Head, Dept. of Computer Sci. & Engg., VNIT, Nagpur. | Member |
| 13. | Dr. Madhuri A. Chaudhari | Head, Dept. of Electrical Engg., VNIT, Nagpur. | Member |
| 14. | Dr. A.P. Patil | Head, Dept. of Metallurgical & Materials Engg., VNIT, Nagpur | Member |
| 15. | Dr. I.L. Muthreja | Head, Dept. of Mining Engg., VNIT, Nagpur | Member |
| 16. | Dr. Rajesh Gupta | Head, Department of Civil Engg., VNIT, Nagpur | Member |
| 17. | Dr. V.R. Kalamkar | Head, Department of Mechanical Engg., VNIT Nagpur. | Member |
| 18. | Dr. Rajendra Patrikar | Head, Centre for VLSI and Nanotechnology, VNIT, Nagpur. | Member |
| 19. | Dr. P.P. Chakravarthy | Head, Department of Maths. Engg., VNIT Nagpur. | Member |
| 20. | Dr. A. R. Tembhurkar | Professor, Dept. of Civil Engg., VNIT, Nagpur. | Member |
| 21. | Dr. Y. B. Katpatal | Professor of Civil Engg. and Associate Dean (International Affairs & Ranking), VNIT, Nagpur. | Member |
| 22. | Dr. Dilip H. Lataye | Professor of Civil Engg. and Associate Dean (Hostel Affairs), VNIT, Nagpur. | Member |
| 23. | Dr. Rahul Vasant Ralegaonkar | Professor of Civil Engg. and Associate Dean (T&P), VNIT, Nagpur. | Member |
| 24. | Dr. Aniruddha D. Ghare | Professor of Civil Engg., VNIT, Nagpur. | Member |
| 25. | Dr. Vishrut Suresh Landge | Professor of Civil Engg., VNIT, Nagpur. | Member |
| 26. | Dr. O. R. Jaiswal | Professor of Applied Mechanics, VNIT, Nagpur | Member |
| 27. | Dr. L. M. Gupta | Professor of Applied Mechanics, VNIT, Nagpur | Member |
| 28. | Dr. R.K. Ingle | Professor of Applied Mechanics, VNIT, Nagpur | Member |
| 29. | Dr. P.S. Deshpande, | Professor of Comp. Sci. & Engg. and Associate Dean (Information Technology: MIS Network & Website), VNIT, Nagpur. | Member |

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| 30. | Dr. Avinash G. Keskar | Professor of Electronics & Communication Engg., VNIT, Nagpur | Member |
| 31. | Dr. K. D. Kulat | Professor of Electronics Engg., VNIT, Nagpur. | Member |
| 32. | Dr. Abhay S. Gandhi | Professor of Electronics & Communication Engg., VNIT, Nagpur. | Member |
| 33. | Dr. R.B. Deshmukh | Professor, Centre for VLSI and Nanotechnology, VNIT, Nagpur. | Member |
| 34. | Dr. H. T. Thorat, | Professor of Mechanical Engg., VNIT, Nagpur. | Member |
| 35. | Dr. Animesh N. Chatterjee | Professor of Mechanical Engg., VNIT, Nagpur. | Member |
| 36. | Dr. A. M. Kuthe | Professor of Mechanical Engg., VNIT, Nagpur | Member |
| 37. | Dr. H. M. Suryawanshi | Professor of Electrical Engg., VNIT, Nagpur. | Member |
| 38. | Dr. M. V. Aware | Professor of Electrical Engg., VNIT, Nagpur | Member |
| 39. | Dr. Makarand Ballal | Professor of Electrical Engg. and Associate Dean (Electrical Works), VNIT, Nagpur. | Member |
| 40. | Dr. S.G. Sapate | Professor of Metallurgical & Materials Engg., VNIT, Nagpur | Member |
| 41. | Dr. Sailendra Nath Paul | Professor of Metallurgical & Materials Engg., VNIT, Nagpur. | Member |
| 42. | Dr. V. S. Adane, | Professor, Dept. of Architecture & Planning, VNIT, Nagpur | Member |
| 43. | Dr. Rajashree S. Kotharkar | Professor of Arch. & Planning, VNIT, Nagpur. | Member |
| 44. | Dr. V. K. Deshpande, | Professor of Physics, VNIT, Nagpur. | Member |
| 45. | Dr. B.R. Sankapal | Professor of Physics and Associate Dean (Exams), | Member |
| 46. | Dr. R.R. Yerpude | Professor, of Mining Engg., VNIT, Nagpur. | Member |
| 47. | Dr. Jatin Bhatt, | Associate Dean (III Cell & Alumni Activities) | Invited Member |
| 48. | Dr. Ajay A. Likhite, | Associate Dean (Public Relations), VNIT, Nagpur. | Invited Member |
| 49. | Dr. Shital Chiddarwar | Associate Professor, Mechanical Engg. Deptt. and Associate Dean (International Affairs & Ranking) | Invited Member |
| 50. | Prof. S. R. Sathe | Registrar, VNIT, Nagpur | Member-Secretary |

Shri K.N. Dakhale, Dy. Registrar (Acad), Shri Nikhil Chingalwar, Asstt. Registrar (Exam) attended the meeting as special invitee.

Prof.(Ms.)Varsha Banerjee, Professor, Physics Dept., IIT New Delhi, Prof Ashish Darpe, Professor, Mechanical Engg., IIT New Delhi, Prof Vinayak Deshpande, HOD, Dept. of Business Management, Nagpur University, Nagpur, Dr. M.K. Khedkar, Professor of Electrical Engg., Dr. N.R.Thote, Professor, of Mining Engg., and Dr.Y.M. Deshpande, Head, Humanities Deptt., have submitted leave of absence.

Dr. Kishor M. Bhurchandi, Head, Dept. of Electronics & Communication Engineering, Dr. Jayant Dattatraya Ekhe, Professor, Chemistry Department, Dr. G. N. Ronghe, Professor of Applied Mechanics, Dr. A. D. Vasudeo, Associate Dean (Civil Works), Dr. Ratnesh Kumar, Associate Dean (Students Activities and Sports) and Dr. Akshay Patil, Associate Dean (Procurement and Stores) could not attend the meeting.

S. Sathe



The draft Minutes of the 55th Meeting are as follows:

AGENDA FOR THE 55TH MEETING OF THE SENATE TO BE HELD ON 15TH NOVEMBER, 2019 AT 3.30 PM IN THE SENATE HALL OF VNIT, NAGPUR.

SECTION A

S 55.01 : Students Agenda : Representation of Research Scholars in the Students Council.

It is proposed to provide representation to the Research Scholars by introducing new post in the student council “ Academic Affairs Secretary –Ph.D”.(Annexure enclosed)

The Senate is requested to discuss and approve.

Resolution : Approved. The new post “Academic Affairs Secretary - Ph.D” will be considered during formation of next students council.

SECTION B

S 55.02 : To note and confirm the minutes of the 54th meeting of the Senate held on 20th August 2019.

The minutes of the 54th meeting of the Senate (Annexure-I) were circulated to all the members. No comments were received.

Hence, the Senate is requested to confirm the minutes.

Resolution : The Senate approved minutes of 54th meeting.

S 55.03 : To note and confirm the Action Taken Report on resolutions of the 54th meeting of the Senate.

S 54.04: Items for Ratification.

1. *Modifications in course curriculum of B.Arch programme. (Annexure – II)*
2. *Modification in the course curriculum of B.Tech (Electronics & Communication Engineering) (Annexure – II/III)*
3. *Scheme for M.Tech Geotechnical Engineering. (Annexure – IV/V).*
4. *Modifications suggested in various PG programs offered by Civil Department. (Annexure –V).*
5. *Revised scheme and syllabus for B.Tech/M.Tech Computer Science (Annexure - VI)*

The Senate is requested to ratify.

Resolution : *Ratified.*

Action Taken Report: *Implemented.*

Sinath

[Signature]

S 54.06: To approve revised scheme and syllabus for B.Tech Civil Engineering.

The scheme and syllabus for B.Tech Civil Engineering is placed in Annexure - VIII.
The scheme was discussed in APPEC and recommends for approval

The Senate is requested to deliberate and approve.

Resolution : Approved.

Action Taken Report: Implemented.

S 54.07: To approve the list of Students for the award of degree in the 17th Convocation scheduled on 15th September 2019.

The list of students eligible for the award of various degrees is given in Annexure – IX & IX(a).

The Senate is requested to approve the same.

Resolution : The Senate approved the list for award of degree in the 17th Convocation scheduled on 15th September, 2019.

Further, the Chairman, Senate is authorised to approve additional names of M.Tech. and Ph.D. students who will be acquiring the degree eligibility after 20/08/2019 & will be awarded degree during 17th Convocation scheduled on 15th September, 2019.

Action Taken Report: Implemented.

S 54.08: To approve the list of medal and award winners for 17th Convocation scheduled on 15th September 2019.

The list of medals and awards winners is placed at Annexure – X & X(a).

The Senate is requested to approve the same.

Resolution : The Senate approved the list of meritorious and award winners for 17th Convocation scheduled on 15th September 2019 with following corrections.

The 2nd topper's name in Metallurgical & Materials Engineering award list i.e Bottla Sai Mahathi (En No.BT15MME016 ID No. 18869) should be replaced by Ms. Vedashree Khawala (En No.BT15MME081 ID No. 18927).

Action Taken Report: Implemented.

S 54.09: To approve "Dr. Mulkraj Madan Gold Medal" (50 gm Silver with Gold polish) - to be given to the topper of 7th +8th Semesters taken together (i.e highest Yearly Grade Point Average of 7th & 8th Semesters taken together) of B Tech Mechanical Engineering from 17th Convocation 2019 and onwards. Annexure - XI.

The APPEC has discussed the proposal in its 39th meeting and recommends the proposal.

The Senate is requested to approve.

Resolution : Approved.

Action Taken Report: Implemented.

S Math

S 54.10: To approve "Mr. Nilesh Mahakalkar Memorial Rising Star Award ". To be given to 2nd topper of B.Tech (Metallurgical and Materials Engg) based on CGPA earned (i.e. 2nd Highest CGPA) from 17th Convocation 2019 onwards. Annexure - XII.

The APPEC has discussed the proposal in its 39th meeting and recommends the proposal.

The Senate is requested to approve.

Resolution : Approved.

Action Taken Report: Implemented.

S 54.11: Teacher's nominee for BoG.

As per NIT Act, 2012, constitution of Board of Governors (BoG), as stated in Clause 11(f), one Professor and one Associate Professor/Assistant Professor of the Institute would be nominated by the Senate as BoG Members.

In this regard, Dr. V.K.Bakde, Associate Professor, Arch Dept, has completed his term on 31st July 2019 as BoG member nominated by the Senate.

The Senate is requested to nominate a new member on BoG from Associate Professor/Assistant Professor cadre.

Resolution : The Chairman-Senate is authorised to nominate the BoG member from Associate Professor category.

Action Taken Report: Dr. Y.M.Puri, Associate Professor, Dept. of Mechanical Engg. is nominated by the Chairman Senate.

S 54.12: Special Cases for registration to Winter 2019.

Based on the recommendations of the APPEC, the Chairman-Senate has granted special consideration to the students as per the list enclosed in the Annexure - XIII & XIII (a) for provisional registration to W/ 2019.

The Senate is requested to approve and confirm their registration.

Resolution : The Senate approved and confirmed the registration of the students to W-2019 session as special consideration.

Action Taken Report: Implemented.

S 54.13 Any other item with the permission of the Chair.

S 54.13.01 Payment of teaching assistantship to Full Time Ph.D. Students during 5th Year of studies.

Resolution : It is resolved that full time Ph.D students, who have not acquired eligibility for thesis submission (i.e. published/accepted 2 or more SCI papers) by the end of 4th year, his /her teaching assistantship be reduced to Rs. 31000/- per month for the fifth year. However, the candidate must have published/accepted one SCI paper for the teaching assistantship to continue in the fifth year.

Action Taken Report: Implemented.

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S 54.13.02 Revision of examination fees for Ph.D. evaluation.

Resolution : Chairman-Senate will constitute a committee to propose revised fees for Ph.D thesis evaluation and other related matters.

Action Taken Report: The following committee is constituted

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| 1. | Prof. V. B. Borghate, Professor, Dean (R&C) | Chairman |
| 2. | Prof. G.P.Singh, Professor, Dean (P&D) | Member |
| 3. | Prof. Animesh Chatterjee, Professor | Member |
| 4. | Prof. H. M. Suryawanshi, Professor | Member |

S 54.13.03 Nomination on APPEC.

The term of two APPEC members is getting over on 31st August, 2019. The Senate is requested to nominate new members on APPEC.

Resolution : The Chairman-Senate is authorised to nominate two members on APPEC from 1st September, 2019. The Senate appreciates and places on records the contributions of the outgoing members Dr.Y.B.Katapal, Professor, Civil Engg. and Dr.S.G.Sapate, Professor, Metallurgical and Materials Engg.

Action Taken Report: The following faculty members are nominated on APPEC (from 01/09/2019 to 31/08/2021)

1. Dr. H.M. Suryawanshi, Professor, Electrical Dept.
2. Dr. J. D. Ekhe, Professor, Chemistry Dept.

Other committee members will continue to work on APPEC till the completion of their term.

The Senate is requested to note and confirm the action Taken report

Resolution : The Senate confirmed the action taken report.

S 55.04 : Items for Ratification.

A) Modification in syllabus of various courses & proposal for new courses for UG/PG programmes offered by the Electrical Engineering Department. (Annexure – II (a))

1. Modifications in syllabus of (EEP416).
2. New (DE) courses proposed for existing & new B.Tech (EEE).
 - a) EEL 437 Nonlinear Dynamic Systems
 - b) EEP 426 Condition Monitoring of Electrical Components
3. Modifications in the syllabus of (EEL521).
4. Other suggestions given by BoS were also discussed and are recommended for approval.

The above proposals are to be implemented S/2020.

B) New elective courses for B.Tech (Chemical) and M.Tech (Chemical Engineering) proposed by BoS Chemical for old scheme students. (Annexure – II (b))

1. CML4XX: Data Analytics for chemical Engineers, for B.Tech Chemical Engineering Semester VII.

2. CML4XX: Molecular Simulation and Informatics, for B.Tech Chemical Engineering Semester VII.
3. CML5XX: Biorefinery Engineering, for B.Tech Chemical Engineering Semester VIII.
4. CML5XX: Bioprocess Engineering, for M.Tech Chemical Engineering Semester III.

The above proposals are to be implemented S/2020.

C) Addition of new course OC/DE courses proposed by the BoS Computer Science & Engineering. (Annexure-II (c))

1. CSL 2XX Data Structures for B.Tech students other than CSE students.(OC)
2. CSL3XX: Algorithms for B.Tech students other than CSE students.(OC)
3. CSL4XX: Cyber Crime and Ethics for B.Tech students other than CSE students.(OC)
4. CSL537: Natural Language Processing for both UG & PG students of CSE programme.(DE)
5. CSL5XX: Deep Learning for UG/PG students of CSE programme.(DE)

The above proposals are to be implemented S/2020.

D) Modification in the scheme of M.Tech (Urban Planning). (Annexure – II (d))

The Department of Architecture & Planning has proposed shifting of ART 503 Project appraisal/training (DC) currently from 2nd Semester to 3rd Semester.

The modification will be effective from S/2020.

The Senate is requested to ratify.

Resolution : Ratified.

S 55.05 : Items for information.

17th Convocation was held on 15th September 2019 at Kavivarya Suresh Bhat Hall as scheduled. The list of students who completed the degree requirement after 19/08/2019 i.e. the last Senate meeting is given in **(Annexure-III)**.

The Senate is requested to note.

Resolution : Noted. The Chairman, Senate placed on record the efforts made by all the senate members, faculty members, staff members and students of the institute for making 17th Convocation successful.

S 55.06 : Modifications in the scheme of B.Tech (EEE), offered by the Electrical Engineering Department.

The BoS in Electrical Engineering has proposed changes in the scheme of B.Tech (EEE) program. The changes are given in **(Annexure-IV)**. The APPEC discussed and recommends the scheme for approval. The scheme will be implemented for the students admitted during the academic year 2019-20 and onwards.

The Senate is requested to discuss & approve.

Resolution : The Agenda item is withdrawn.

S 55.07 : New scheme for B.Tech Chemical Engineering Department proposed by BoS in Chemical Engineering.

The BoS in Chemical Engineering has proposed changes in the scheme of B.Tech (Chemical) program. The changes are given in **(Annexure –V)**. The APPEC discussed and recommends the scheme for approval. The scheme will be implemented for the students admitted during the academic year 2019-20 and onwards.

The Senate is requested to discuss & approve.

Resolution : Approved.

S 55.08 : Modification in M.Tech scheme of Computer Science & Engineering.

Modification in the M.Tech Computer Science Scheme. The BoS in Computer Science Engineering has proposed changes in the scheme of M.Tech (Computer Science) program. The changes are given in **(Annexure-VI)**. The scheme will be implemented for the students admitted during the academic year 2019-20 and onwards.

The Senate is requested to discuss & approve.

Resolution : Approved.

S 55.09 : To approve the academic calendar for the year 2020-21.

The academic calendar for the year 2020-21 is given in **(Annexure – VII)**
The APPEC discussed & recommends the calendar for the academic year 2020-21

The Senate is requested to discuss and approve the same.

Resolution : The academic calendar is approved with the following modifications:

1. *For the ODD semester*
 - a. *end semester examination will start from 19 November 2020 and will continue till 1st December 2020.*
2. *For the EVEN semester*
 - a. *end semester examination will start from 22 April 2021 and will continue till 3rd May 2021*
 - b. *Instruction day on 17th April 2021 is shifted to 30th Jan 2021*

S 55.10 : Proposed modifications for M Tech Programmes in the Academic Rule Book.

The modifications discussed and proposed in HODs meeting held on 10.10.2019 are enclosed in **(Annexure- VIII)**.

The Senate is requested to discuss and approve the same.

Resolution : Approved with modifications given below:

1. *The prerequisites for registration to Project Phase –II is modified to “35 earned credits and Project Phase –I” instead of “completion of all the course work & Project Phase –I”.*

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2. *M. Tech students are allowed to undertake Summer internship in reputed industries/ Institutes/ research organizations after the II semester, but before commencement of the third semester. The students will be paid Institute stipend in full and are not required to apply for leave during this internship period. The concerned HoD to decide the "reputed industry" with proper justification. If the concerned industry is ready to offer the stipend to the student, the Institute stipend will not be paid.*
3. *The M.Tech project Phase-I & Phase-II both can be carried out in industry with Institute stipend. Maximum two students will be permitted. The students will carry out the teaching assistantship during the Summer vacation period after 2nd semester. The students who have undertaken the Summer Internship after 2nd semester, will not be eligible. Other rules as applicable to project phase II students (as per Annexure-III of the rule book) will be applicable in such cases also.*

Other relevant issues like, required modifications in the M Tech schemes, monitoring of the students doing their project at VNIT, number of students that can be sent to industry for their M Tech dissertation without stipend, etc., will be finalised by the APPEC.

4. *The CGPA Requirement for the award of M.Tech. degree remains 6. However, the students are permitted to improve the grades by registering to new courses or even to the courses in which they have already secured a PASS grade (i.e. AA to DD). The maximum duration to complete the M Tech degree remains 3 years from the date of his/ her first registration. APPEC to discuss and recommend the operational mechanism.*

S 55.11 : Any other item with the permission of the Chair.

S55.11.01: To approve the new elective course for M.Tech.(CAD-CAM) and M.Tech. (Industrial Engg.)

BOS Mechanical is proposing following elective course to be offered to students of M.Tech.(CAD-CAM) and M.Tech. (Industrial Engg.) with effect from Summer 2020.

MEL 5XX : Product Ideation and Design

The syllabus of the course is attached.(Annexure- IX)

The senate is requested to deliberate and approve.

Resolution : Approved.

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


Chairman-Senate