



DRAFT MINUTES OF THE MEETING OF 62nd SENATE HELD IN THE SENATE HALL OF VNIT, NAGPUR (ONLINE MODE) ON THURSDAY THE 15th July, 2021 AT 4.00 PM.

The 62nd Meeting of the Senate was held on 15th July, 2021 at 4.00 PM in the Senate Hall of VNIT, Nagpur (ONLINE MODE).

The following members were present:

S. N.	Name of Senate Members	Designation / Department		Online / In-person
1.	Prof. Pramod M. Padole	Director, VNIT, Nagpur	Chairman	In-person
2.	Prof.(Ms.)Varsha Banerjee	Professor, Physics Dept., IIT New Delhi, University, Nagpur.	Member	Online
3.	Dr. Abhay.S. Gandhi	Dean (Academic), VNIT, Nagpur	Member	In-person
4.	Dr. Dilip R. Peshwe	Dean (Faculty Welfare), VNIT, Nagpur	Member	In-person
5.	Dr. J.D. Ekhe	Dean (Planning & Development), VNIT, Nagpur	Member	In-person
6.	Dr. Dilip.H. Lataye	Dean (Students Welfare), VNIT, Nagpur.	Member	In-person
7.	Dr. (Smt.) Madhuri A. Chaudhari	Dean (Research & Consultancy), VNIT, Nagpur	Member	In-person
8.	Dr.Akshay P Patil	Head, Dept. of Architecture & Planning, VNIT, Nagpur.	Member	Online
9.	Dr. (Smt.) Anupama Kumar	Head, Dept. of Chemistry, VNIT, Nagpur	Member	Online
10.	Dr. Sachin Mandavgane	Head, Dept. of Chemical Engg., VNIT, Nagpur	Member	Online
11.	Dr. V.K. Deshpande	Head, Dept. of Physics, VNIT, Nagpur	Member	Online
12.	Dr. G. N. Nimbarte	Head, Dept. of Humanities, VNIT, Nagpur.	Member	Online
13.	Dr. B.S.Umre	In-charge Head and Professor, Dept. of Electrical Engg., VNIT, Nagpur.	Member	In-person
14.	Dr. Jatin Bhatt	Head, Dept. of Metallurgical & Materials Engg., VNIT, Nagpur	Member	Online
15.	Dr. I.L. Muthreja	Head, Dept. of Mining Engg., VNIT, Nagpur.	Member	Online
16.	Dr.Y.B. Katpatal	Head, Department of Civil Engg., VNIT Nagpur.	Member	Online
17.	Dr. S.B. Thombre	Head, Department of Mechanical Engg., VNIT Nagpur.	Member	Online
18.	Dr. Rajendra M. Patrikar	Head, Centre for VLSI and Nanotechnology, VNIT, Nagpur.	Member	Online
19.	Dr. A.G. Keskar	Head, Dept. of Electronics & Communication Engineering, VNIT, Nagpur.	Member	Online

20.	Dr. G.P. Singh	Head, Department of Maths. Engg., VNIT Nagpur.	Member	In-person
21.	Dr. Rajesh Gupta	Professor, Department of Civil Engg., VNIT Nagpur.	Member	Online
22.	Dr. Rahul Vasant Ralegaonkar	Professor of Civil Engg. VNIT, Nagpur.	Member	Online
23.	Dr. Aniruddha D. Ghare	Professor of Civil Engg., VNIT, Nagpur.	Member	Online
24.	Dr. Vishrut Suresh Landge	Professor of Civil Engg., VNIT, Nagpur.	Member	Online
25.	Dr. O. R. Jaiswal	Professor of Applied Mechanics, VNIT, Nagpur	Member	Online
26.	Dr. R.K. Ingle	Professor of Applied Mechanics, VNIT, Nagpur.	Member	Online
27.	Dr. U.A. Deshpande	Professor, Dept. of Computer Sci. & Engg., VNIT, Nagpur.	Member	Online
28.	Dr. Kishor M. Bhurchandi	Professor, Dept. of Electronics and Communication and Associate Dean (Trg & Plt), VNIT, Nagpur	Member	In-person
29.	Dr. R.B. Deshmukh	Professor, Centre for VLSI and Nanotechnology, VNIT, Nagpur.	Member	Online
30.	Dr. H.T. Thorat	Professor of Mechanical Engg., VNIT, Nagpur.	Member	Online
31.	Dr. A. M. Kuthe	Professor of Mechanical Engg., VNIT, Nagpur.	Member	Online
32.	Dr. V. R. Kalamkar	Professor of Mechanical Engg., VNIT, Nagpur.	Member	Online
33.	Dr. Y.M. Deshpande	Professor, Dept. of Humanities, VNIT, Nagpur.	Member	Online
34.	Dr. H. M. Suryawanshi	Professor of Electrical Engg., VNIT, Nagpur.	Member	Online
35.	Dr. M. V. Aware	Professor of Electrical Engg., VNIT, Nagpur.	Member	Online
36.	Dr. M.K. Khedkar	Professor of Electrical Engg., VNIT, Nagpur.	Member	Online
37.	Dr. Makarand Ballal	Professor of Electrical Engg., VNIT, Nagpur.	Member	Online
38.	Dr. A.P. Patil	Professor, Dept. of Metallurgical & Materials Engg., VNIT, Nagpur	Member	Online
39.	Dr. V. S. Adane	Professor, Dept. of Architecture & Planning, VNIT, Nagpur	Member	Online
40.	Dr. Rajashree S. Kotharkar	Professor of Arch. & Planning, VNIT, Nagpur.	Member	Online
41.	Dr. R.S. Gedam	Professor of Physics Dept., VNIT, Nagpur	Member	Online
42.	Dr. B.R. Sankapal	Professor of Physics Dept., VNIT, Nagpur	Member	Online
43.	Dr. R.R. Yerpude	Professor, of Mining Engg., VNIT, Nagpur.	Member	Online
44.	Dr. N.R. Thote	Professor, of Mining Engg. and Assoc. Dean (III and Alumni Activities), VNIT, Nagpur.	Member	Online

45.	Dr. S.V. Bakre	Assoc. Prof. of Applied Mechs. & Associate Dean (Civil Works), VNIT, Nagpur.	Invited Member	Online
46.	Dr. Nita Patne	Assoc. Prof. of Electrical Engg. and Associate Dean (Electrical Works), VNIT, Nagpur.	Invited Member	Online
47.	Dr. M.R. Ramteke	Assoc. Prof., Elect. Engg. and Associate Dean (Procurement and Stores), VNIT, Nagpur	Invited Member	Online
48.	Dr. J.G. Suryawanshi	Assoc. Prof. of Mech. and Associate Dean (Exams),	Invited Member	Online
49.	Dr. K.L. Wasewar	Assoc. Prof. of Chemical Engg., Associate Dean (Educ. Tech. & Library), VNIT, Nagpur.	Invited Member	Online
50.	Dr. R.B. Keskar	Assoc. Professor, Comp. Sci. & Engg. and Associate Dean (Information Technology: MIS Network & Website)	Invited Member	Online
51.	Dr. (Smt.) Rashmi Uddanwadikar	Assoc. Prof., Mechanical Engg. and Associate Dean (Public Relations), VNIT, Nagpur	Invited Member	Online
52.	Dr. A.S. Chaurasia	Assoc. Prof. of Chemical Engg. & Assoc. Dean (Students Activities and Sports), VNIT, Nagpur	Invited Member	Online
53.	Dr. Ratnesh Kumar	Assoc. Prof. of Applied Mechanics & Assoc. Dean (Hostel Affairs), VNIT, Nagpur	Invited Member	Online
54.	Dr. Shital Chiddarwar	Associate Professor, Mechanical Engg. Deptt. and Associate Dean (International Affairs & Ranking)	Invited Member	Online
55.	Dr. Shailesh R. Sathe	Registrar, VNIT, Nagpur.	Secretary	In-person

Shri Nikhil Chingalwar, Asstt. Registrar (Exam) & In-charge (Acad) attended the meeting (In-person), as special invitee.

Prof. Ashish Darpe, Professor, Mechanical Engg., IIT New Delhi, Prof. Vinayak Deshpande, HOD, Dept. of Business Management, Nagpur University, Nagpur have submitted leave of absence.

Dr. L.M. Gupta, Head, Dept. of Applied Mechanics, Dr. P.S. Deshpande, Dept. of Computer Sci. & Engg., Dr. A.R. Tembhurkar, Professor of Civil Engg., Dr. V.B. Borghate, Professor, Electrical Engg., Dr. S.S. Umre, Professor of Chemistry, Dr. K.D. Kulat, Professor of Electronics & Communication, Dr. Animesh N. Chatterjee, Professor of Mechanical Engg., Dr. P.P. Chakarvarthy, Professor of Maths, Dr. S.G. Sapate, Professor, Metallurgical & Materials Engg., could not attend the meeting.

S. Sathe

[Signature]

The draft Minutes of the 62nd Meeting are as follows:

S 62.01: To note and confirm the minutes of the 61st meeting of the Senate held on 22nd April 2021.

The minutes of the 61st meeting of the Senate were circulated to all the members. Suggestions about the minutes were received from Prof S B Thombre and Prof V B Borghate. Their suggestions are incorporated in the minutes and the updated minutes are in **(Annexure-I)**

The Senate is requested to confirm the minutes.

Resolution: The minutes of 61st Senate meeting are confirmed.

S 62.02: To note and confirm the Action Taken Report on resolutions of the 61st meeting of the Senate.

S61.03: Item for information. (Refer page 4 of Annexure -I)

The Action Taken Report on resolution S 58.03 -II states that

The senate agreed in principle that the “number barriers” and the “basket barriers” imposed on the DE courses in the scheme of examination (e.g any two courses from the group given, etc) be removed for all UG/ PG programmes offered by VNIT. The APPEC is requested to discuss the issue & suggest the modalities of operation.

The list of courses has been obtained from all the departments. They have been discussed in the APPEC meeting. The number barriers and basket barriers are now removed.

Resolution: *Noted.*

Action taken report: *Implemented*

S61.04: Proposal for adding new DE courses by the BoS Computer Science & Engineering. [Annexure - II]

The proposal for adding new DE courses has been received from BoS Computer Science & Engineering the details of which are as given below:

1. CSL 4XX: “Introduction to Internet of Things” DE 3-0-2-4 in 7th Sem. B.Tech and 1st Sem. M.Tech.
2. CSL 5XX: “Mathematics for Machine Learning” DE 4-0-0-4 in 2nd Semester M.Tech Computer Science & Engineering

The Senate is requested to discuss & approve the same.

Resolution: *Approved.*

Action taken report: *Implemented.*

S61.05: New DE courses proposed by the BoS Electronics & Communication Engineering in M.Tech. (Communication System Engineering) curriculum. [Annexure - III]

The Department of Electronic & Communication Engineering has recommended following DE courses in M.Tech Communication System Engineering Curriculum.

1. Introduction of ECL 429 Communication Networks & ECP 429 Communication Networks
2. Introduction of ECL 440 Cellular Systems

The APPEC discussed the proposal and approved and asked Exam section to check the course codes. (Course code corrected by Exam. Section.)

The Senate is requested to discuss & approve the same.

Resolution: Approved. Senate emphasised that faculty advisor have to ensure that while registering for courses, excessive overlap of UG & PG courses is avoided by the student.

Action taken report: Implemented.

S61.06: Proposal of contact courses for Ph.D scholars from Department of Humanities.

The Department of Humanities has recommended contact courses for Ph.D scholars.

The syllabus of contact courses has been designed for Ph.D scholars. Designed syllabus has been discussed and passed in the BOS Humanities meeting. The APPEC discussed and recommends the courses for approval. Syllabus of the courses are enclosed in [Annexure-IV]

The Senate is requested to discuss & approve the same.

Resolution: The list is approved in principle. Activation of each course to be done with the approval of Chairman Senate on case-to-case basis. These courses are not counted in the teaching load of a faculty member.

Action taken report: Implemented.

S61.07: Proposal of inclusion of OC/HM courses for Sem. III/IV/VII/VIII & X of B.Arch. [Annexure - V]

The BoS of Architecture has proposed inclusion of OC/HM courses for Sem III/IV/VII/VIII & X of B.Arch. The APPEC discussed & approved the proposal.

The Senate is requested to discuss & approve the same.

Resolution: Approved.

Action taken report: Implemented.

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Am

S61.08: Proposal to adopt MOOC Courses as a part of curriculum.

The BoS of Electronic & Communication Department has proposed to adopt MOOC Courses as a part of curriculum. [Annexure - VI]

The APPEC discussed and recommends the MOOC courses on the same lines of resolution S56.04. Hence, student can register for one MOOC course in place of a DE course.

Also, APPEC suggested that the MOOC course must have minimum 40 contact hours to consider it as 3 credit course and minimum 56 contact hours to consider it as a 4 credit course.

The Senate is requested to discuss & approve the same.

Resolution: Approved. The senate has further specified that

- (i) The course coordinator has to be a VNIT faculty who will ensure that the evaluation of students is carried out as per VNIT system.
- (ii) The course will not be counted as teaching load of the coordinator.
- (iii) Eventually, such courses are expected to be developed as regular courses in our scheme.

Action taken report: Implemented.

S61.09: Inclusion of Associate Dean (Examination) as ex-officio member of APPEC

As per the Senate Resolution no S31.13(a) the Academic Progress and Performance Evaluation Committee (APPEC) comprises of the following members,

APPEC Members:

Dean (Acad) ----- Co-ordinator

Four senate members to be nominated by the Senate

Dy. Registrar (Acad) ----- Member Secretary

The post of Associate Dean (Examination) was not there at the time of formation of APPEC. It is observed that there are several items in the agenda of APPEC meetings that need inputs from Associate Dean (Examination). Hence, it is proposed to include Associate Dean (Exam) as the ex-officio member of APPEC.

The Senate is requested to approve.

Resolution: Approved

Action taken report: Implemented.

S61.10: Proposal from HoD Mechanical Department regarding new inter-disciplinary M.Tech. Program in Biomedical Engineering.

The BoS of Mechanical has proposed an new inter-disciplinary M.Tech Program in Biomedical Engineering is enclosed in [Annexure - VII]

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The Senate is requested to deliberate and approve.

Resolution: The senate approved the inter-disciplinary M.Tech Program in Biomedical Engineering with suitable change in M.Tech Program title.

Action taken report: Implemented. The title is modified from “Biomedical Engineering” to “Engineering Applied to Medical Sciences”. The code “EMS” has been assigned to the program for enrolment number of students. Student enrollment numbers will be of the format MTnnEMSmmm. (nn = year of admission, mmm = roll number)

S61.11: Proposal to start Artificial Intelligence (AI) for Engineers as an open course from Mechanical Department. [Annexure - VIII]

The BoS of Mechanical has proposed an open course Artificial Intelligence (AI) for Engineers. The APPEC discussed & approved the course with a code MEL4XX.

The Senate is requested to deliberate and approve the same.

Resolution: Approved

Action taken report: Implemented

S61.12: Result analysis of Winter 2020.

The result analysis for Winter 2020 is enclosed in [Annexure - IX]

The Senate is requested to note.

Resolution: Noted.

Action taken report: No action required.

S61.13: 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. D. R. Peshwe, Professor of Metallurgy and Materials Engineering is completing his term on 5th June 2021 and Dr. Y. M. Puri, Associate Professor in Mechanical Engineering is completing his term on 31st August 2021 as BoG member nominated by the Senate.

Hence, the Senate is requested to nominate one Professor and one Associate Professor/Assistant Professor on BoG.

Resolution: The chairman, Senate is authorised to nominate one Professor & one Associate Professor on BOG.

Sinathe

ASW

Action taken report: Prof H M Suryawanshi of EEE department has been nominated.

The Senate is requested to note and confirm the action taken report.

Resolution: The action taken report is confirmed.

S62.03: Item for Ratification.

Department of ECE had proposed a new elective ECP 430 Biomedical Signal Processing. It is meant for the 7th sem students of B Tech ECE and 1st Semester students of M Tech (Communication System Engineering) The proposal was approved by the Chairman Senate. **(Annexure - II).**

Senate is requested to ratify the decision.

Resolution: Ratified.

S62.04: Item for information.

1. The 19th Convocation 2021 to be held on 15th September 2021.
2. Change of code for Sports courses: The two courses of sports section, SAP101 HEALTH INFORMATION AND SPORTS PART-I (AU) SAP102 HEALTH INFORMATION AND SPORTS (AU) are compulsory audit courses for I year students. We award SS (Satisfactory) or ZZ (Not satisfactory) grade in these courses. Hence, to make the course codes consistent with the grading, the codes will be modified as SAA101 and SAA102 for the batches entering in 2021 onward.

Senate is requested to note.

Resolution: Noted.

S62.05: To approve the list of Students for the award of degree in the 19th Convocation scheduled on 15th September 2021.

The list of students eligible for the award of various degrees is given in **Annexure - III**.

Senate is requested to approve the same.

Resolution: Approved.

Further, the Chairman, Senate is authorized to approve additional names of UG, PG and Ph.D. students who will be acquiring the degree eligibility after 14/07/2021 & will be awarded degree during 19th Convocation scheduled on 15th September, 2021.

S62.06: Report on suggestion by the committee regarding requirement of Ph.D admission from Dean R&C. (Annexure - IV)

The concerned committee has suggested one time measure for PhD admission of SRF /JRF/ research staff of R&D projects sponsored to VNIT and for sponsored candidates.

Senate is requested to approve.

Resolution: Approved.

S62.07: Modified Academic Calendar Winter 2021 for Higher Semester UG & PG (Online Mode) and Schedule for Practicals & Project Evaluation 2020-2021 (ODD Semester). (Annexure – V (a & b))

It is now quite clear that the next semester will also have to be conducted in online format. Hence, the academic calendar for Winter 2021 is modified. There are online classes on Saturdays also and there will be only one mid-sem examination, same as earlier online semesters.

We will again have the same evaluation procedure as was specified for S/2021 vide note of Dean (Acad) dated 20/01/2021. (Annexure -V(c)).

The APPEC discussed & suggested a few minor corrections. The corrected proposal is placed before the senate for approval.

Resolution: Approved. The first semester M Tech and M Sc classes will commence from 2nd August 2021 and rest of the academic calendar will be the same as that of PG higher semesters. In case the pandemic situation changes, Chairman Senate is empowered to take appropriate decision about the academic calendar as and when necessary.

S62.08: Replacing the course Biomaterials in the M Tech scheme of EAMS with a new course Materials for Biomedical Application. (Annexure - VI)

The interdisciplinary M Tech program “Engineering Applied to Medical Sciences” was approved vide senate agenda item S61.10 and action taken thereof. Later, BoS MME proposed a separate DC course titled “Materials for Biomedical Application” in place of the earlier course titled “Biomaterials”. The change has been accepted by the BoS MEC and the same has been forwarded by APPEC. The senate is requested to approve the change.

Resolution: Approved.

S62.09: Nominations on APPEC.

The term of two nominated APPEC Members will get over on 31st August, 2021.

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

The Senate is requested to nominate new members on APPEC for a period of two years.

Resolution: The Chairman-Senate is empowered by the senate to nominate two new members on the APPEC.

S62.10: Any other items with the permission of Chairman.

S62.10.01 Addendum to the list of candidates eligible for award of degrees.

A list of PG and PhD candidates eligible for award of degree was presented by the academic section. This list is an addendum to the list already submitted vide agenda item number S62.05.

Resolution: The senate approved the additional list as **Annexure VII** of the agenda.

The meeting concluded with thanks to the chair.

Chairman-Senate