

# *B.N.M. Institute of Technology*

An Autonomous Institution under VTU, Approved by AICTE

Department of Electronics and Communication Engineering

## Minutes of the Meeting

Meeting Details	BOS Meeting
Date	24-08-2024
Time	10:00am to 12:30pm
Venue	N-401 (New Building Seminar Hall)

Members Present	<ol style="list-style-type: none"><li>1. <b>Dr. Yasha Jyothi M Shirur, Chairman</b>, Professor &amp; Head, Dept. of ECE, BNMIT, Bengaluru.</li><li>2. <b>Dr. Shivakumar Swamy, VTU Nominee (External)</b>, Prof. and Head, Dept. of ECE, JSSATE, Bengaluru.</li><li>3. <b>Dr. Suresh Sundaram, Subject Expert (External)</b> Professor, Department of Aerospace Engineering, IISc, Bengaluru</li><li>4. <b>Dr. Vijaya Krishna, Subject Expert (External)</b>, Senior Architect, Bosch Global Software Ltd Adugodi, Bengaluru.</li><li>5. <b>Dr. Rekha P, Member Secretary</b>, Professor, Dept. of ECE, BNMIT.</li><li>6. <b>Dr. Bindu S, Subject Expert</b>, Professor, BNMIT, Bengaluru.</li><li>7. <b>Dr. Jyoti R. Munavalli, Subject Expert</b>, Professor, Dept. of ECE, BNMIT.</li><li>8. <b>Dr. Bhuvana Suganthi D, Subject Expert</b>, Associate Professor, BNMIT, Bengaluru.</li><li>9. <b>Dr. Keerti Kulkarni, Subject Expert</b>, Associate Professor, BNMIT, Bengaluru.</li><li>10. <b>Dr. Sujaya B L.</b>, Associate Professor, BNMIT.</li><li>11. <b>Dr. Subodh Kumar Panda, Co-Opted Member, Professor</b>, BNMIT</li><li>12. <b>Dr. Namratha Nayak, One Undergraduate meritorious alumnus</b>, Research Scholar, Indian Institute of Science, Bengaluru</li></ol>
Members Absent (Reasons)	<ol style="list-style-type: none"><li>1. <b>Dr. Balachandra Achar H. V. (External)</b>, Professor, Dept of ECE, Manipal Institute of Technology, Govindapura, Yelahanka, Bengaluru - Personal</li><li>2. <b>Mr. Manjunath V, (External)</b> Senior Staff Engineer, Synopsys India Pvt. Ltd., Bengaluru – PhD Defense</li><li>3. <b>Dr. N. Shesha Prasad, Subject Expert</b>, Professor, Dept. of ECE, BNMIT – BoS of Humanities dept.</li><li>4. <b>Dr. Ashwini S Savanth, Subject Expert</b>, Associate Professor, BNMIT, Bengaluru - Personal</li><li>5. <b>Dr. Priya R Sankpal, Subject Expert</b>, Associate Professor, BNMIT, Bengaluru – Medical leave</li><li>6. <b>Dr. Smitha Gayatri D</b>, Associate Professor, BNMIT, Bengaluru - Personal</li><li>7. <b>Dr. Sunitha S. V.</b>, Associate Professor, BNMIT – Ext. DCS, VTU</li><li>8. <b>Mr. Karthik L, Post Graduate Meritorious Alumnus</b>, Lead Product Engineer CADENCE Private Limited, Bangalore – Personal.</li></ol>

<b>Agenda</b>	<ol style="list-style-type: none"> <li>1. Welcome Address and Introduction</li> <li>2. Presentation of Scheme and Syllabus of 7th and 8th Semester of 2021 scheme</li> <li>3. Presentation of Scheme and Syllabus of 5th and 6th Semester of 2022 scheme</li> <li>4. Presentation of Scheme and Syllabus of 3rd and 4th Semester of 2023 scheme</li> <li>5. Presentation of Scheme and Syllabus of 1st and 2nd Semester of 2024 scheme</li> <li>6. Any other suggestions to the department</li> <li>7. Concluding remarks by Member Secretary</li> </ol>
<b>Proceedings of the meeting</b>	
<p>The fourth Board of Studies (BoS) meeting was held on 24/08/2024 in N-401, New Building Seminar Hall, BNMIT, Bengaluru. The meeting started at 10.00 am. Dr. Yasha Jyothi M Shirur, HoD of ECE, BoS Chairman (UG &amp; PG) welcomed everyone to the meeting and introduced the BoS members. The meeting was conducted in hybrid mode. Dr. Yasha Jyothi M Shirur, Chairperson, Dr. Shivakumar Swamy, VTU Nominee, Dr. Suresh Sundaram, Dr. Vijaya Krishna, Dr. Rekha P, Member Secretary of BoS, internal BoS Members and other faculty attended the meeting. The chairperson presented Scheme and Syllabus of Undergraduate 3rd to 8th Semester of 2021 scheme, Scheme and Syllabus of Undergraduate 3rd to 8th Semester of 2022 scheme, Scheme and Syllabus of Undergraduate 3<sup>rd</sup> and 4<sup>th</sup> Semester of 2023 scheme, Scheme and Syllabus of Undergraduate 1<sup>st</sup> and 2<sup>nd</sup> Semester of 2024 scheme to the committee. The scheme framed is as per the VTU Regulations and AICTE Norms.</p> <p>The list of subjects to be offered/taught from 3<sup>rd</sup> Semester to 8<sup>th</sup> Semester for schemes were presented. The chairperson informed the members about the provision to do the industry internship spread across 2 semesters. In order to give industry insight, an adjunct faculty - industry expert is identified for the SoC design course. The chair mentioned about the MOOC courses which are part of the curriculum as professional courses which encourage and initiate the self-learning capability of the students. These courses will be assessed based on CIA and SEA. All the BoS members gave the suggestions to make the curriculum better to meet the requirement of the industry and satisfy the societal needs. The member secretary noted down the suggestions given by the committee and provided the concluding remarks. Dr. Rekha P concluded the meeting and thanked all the BoS members. Few photographs/snapshots of the BoS meeting have been attached herewith. The attendance sheet of the BoS meeting is also enclosed herewith for your perusal.</p>	
<b>Recommendations/Suggestions from the BOS Members</b>	
<b>Dr. Shivakumar Swamy, VTU Nominee (External)</b> , Prof. and Head, Dept. of ECE, JSSATE, Bengaluru.	<b>Recommendations/Suggestions from Dr. Shivakumar Swamy, VTU Nominee:</b> <ol style="list-style-type: none"> <li>1. Include current Trend Seminar in 8<sup>th</sup> semester by reducing project work credits.</li> <li>2. Introduce Lab component in Optical Fiber Communication PEC course of 7<sup>th</sup> semester.</li> <li>3. Include topics on Motors in Basic Electrical and Electronics course</li> <li>4. In Automotive Electronics, reduce M4 and M5 content. It is more for 8 hours/module.</li> </ol>
<b>Dr. Suresh Sundaram, Subject Expert (External)</b> Professor, Department of Aerospace Engineering, IISc, Bengaluru	<b>Recommendations/Suggestions from Dr. Suresh Sundaram, Subject Expert (External)</b> <ol style="list-style-type: none"> <li>1. Introduce use cases in SoC design course. Introduce hands on.</li> <li>2. For PEC courses, mention the prerequisites.</li> <li>3. In Data Science course, work on reordering of the modules and introduce practical sessions.</li> <li>4. For NLP course introduce practical sessions.</li> </ol>
<b>Dr. Vijaya Krishna, Subject Expert (External), Senior Architect</b> , Bosch Global	<b>Recommendations/ Suggestions from Dr. Vijaya Krishna, Subject Expert (External)</b> <ol style="list-style-type: none"> <li>1. In Wireless Communication Technologies, include one more module on 5G which covers Selection forward routing, network slicing, ultra latency and reduce topics on 4G-LTE.</li> <li>2. In Math – 4, reduce M5 content and extend M3 and M4 may be extended.</li> </ol>

Adugodi, Bengaluru <b>Dr. Namratha Nayak,</b> <b>One Undergraduate</b> <b>meritorious alumnus,</b> Research Scholar, Indian Institute of Science, Bengaluru	3. A PEC course may be introduced for IoT course.  1. For PBL course, reduce report, presentation and demonstration marks, conduct QUIZ weekly. 2. RM and IPR course knowledge are useful for UG students also.
<b>Concluding</b> <b>Remarks by</b> <b>Member</b> <b>Secretary, Dr.</b> <b>Rekha P</b>	Noted the suggestions and recommendation given by BOS Committee Members (both external and internal). Mentioned that suggestions will be incorporated into ECE autonomous curriculum to make it better to meet the requirements of the Industry and Societal needs.

### Photographs / Snapshots during Second BoS Meeting held on 24-8-2024



*Rekha P*  
Dr. Rekha P  
Member Secretary

*Yashajyothi*  
Dr. Yasha Jyothi M Shirur  
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