

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 30-08-2023

Time 2:00 pm

Venue N-401 (New Building Seminar Hall)

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| Members Present | <ol style="list-style-type: none">1. Dr. Yasha Jyothi M Shirur, Chairman, Professor & Head, Dept. of ECE, BNMIT, Bengaluru2. Dr. B. Sivakumar, VTU Nominee (External), Professor, Dept. of TCE, Dr. AIT, Bengaluru.3. Dr. T Srinivas, Subject Expert (External) Professor, Department of ECE, IISc, Bengaluru4. Dr. Balachandra Achar H. V. (External), Professor, Dept of ECE, Manipal Institute of Technology, Govindapura, Yelahanka, Bengaluru.5. Dr. Vijaya Krishna, Subject Expert (External), Senior Architect, Bosch Global Software Ltd Adugodi, Bengaluru6. Mr. Manjunath V, (External) Senior Staff Engineer, Synopsys India Pvt. Ltd., Bengaluru7. Dr. Rekha P, Member Secretary, Professor, Dept. of ECE, BNMIT8. Dr. Bindu S, Subject Expert, Professor, BNMIT, Bengaluru9. Dr. Jyoti R. Munavalli, Subject Expert, Professor, Dept. of ECE, BNMIT10. Dr. N. Shesha Prasad, Subject Expert, Professor, Dept. of ECE, BNMIT11. Dr. Bhuvana Suganthi D, Subject Expert, Associate Professor, BNMIT, Bengaluru.12. Dr. Chaitra N, Subject Expert, Associate Professor, BNMIT, Bengaluru.13. Dr. Ashwini S Savanth, Subject Expert, Associate Professor, BNMIT, Bengaluru.14. Dr. Priya R Sankpal, Subject Expert, Associate Professor, BNMIT, Bengaluru15. Dr. Keerti Kulkarni, Subject Expert, Associate Professor, BNMIT, Bengaluru16. Dr. Subodh Kumar Panda, Co-Opted Member, Professor, BNMIT |
| Members Absent (Reasons) | <ol style="list-style-type: none">1. Mr. Satish D, Post Graduate Meritorious Alumnus, Senior Design Engineer, CADENCE Private Limited, Bengaluru. (Official)2. Dr. Priya R Sankpal, Subject Expert, Associate Professor, BNMIT, Bengaluru. (Personal) |

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| Agenda | <ol style="list-style-type: none"> 1. Welcome Address and Introduction 2. Presentation of Scheme of Undergraduate 3rd to 8th Semester of 2021 scheme 3. Presentation of Syllabus for 5th and 6th semester of 2021 scheme 4. Presentation of Scheme of Undergraduate 3rd to 8th Semester of 2022 scheme 5. Presentation of Syllabus for 3rd and 4th semester of 2022 scheme 6. Presentation of 1st Semester BEI Syllabus for 2023 scheme 7. Any other suggestions to the department 8. Concluding remarks by Member Secretary |
| Proceedings of the meeting | |
| <p>The third Board of Studies (BoS) meeting was held on 30/08/2023 in N-401, New Building Seminar Hall, BNMIT, Bengaluru. The meeting started at 2.00 pm. Dr. Yasha Jyothi M Shirur, HoD of ECE, BoS Chairman (UG & PG) welcomed everyone to the meeting and introduced the BoS members. The meeting was conducted in offline mode. Dr. Yasha Jyothi M Shirur, Chairperson, Dr. B. Sivakumar, VTU Nominee, Dr. T Srinivas, Dr. Balachandra Achar H. V., Dr. Vijaya Krishna, Mr. Manjunath V, Dr. L. Venkata Reddy, HoD (Mathematics), Member Secretary of BoS Dr. Rekha P, internal BoS Members and other faculty attended the meeting. The chairperson presented Scheme of Undergraduate 3rd to 8th Semester of 2021 scheme, Syllabus for 5th and 6th semester of 2021 scheme, Scheme of Undergraduate 3rd to 8th Semester of 2022 scheme, Presentation of Syllabus for 3rd and 4th semester of 2022 scheme. The first-year scheme for the 2023-24 batch was also presented. The syllabus of Introduction to IOT has been presented and the highlights of the syllabus were mentioned. The scheme framed is as per the VTU Regulations and AICTE Norms.</p> <p>The list of subjects to be offered/taught from 3rd Semester to 8th Semester was presented. The chairperson informed the members about the six specialization streams (Communication Systems, Signal Processing, VLSI Design, Embedded Systems, Computer Science and Engineering and Management Streams) for professional electives and Open Electives offered from the ECE department to the students of other departments. The chair mentioned that a student can choose electives in a single stream to become proficient in that field. 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. The inclusion of the humanity courses and skill development courses to meet the NEP requirement were also discussed. 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> | |
| Recommendations/Suggestions from the BOS Members | |
| Dr. B. Sivakumar, VTU nominee, Professor, Dept. of TCE, Dr. AIT, Bengaluru. | <p>Recommendations/Suggestions from Dr. B. Sivakumar, VTU Nominee:</p> <ol style="list-style-type: none"> 1. More open-source simulation tools such as Scilab, Pspice, EDA Playground may be introduced to the students. 2. Check on the nomenclature of courses with combined content. Whether any other university or Institute has similar titles. Suggested to follow standard nomenclature convention which is followed by multiple universities. 3. Suggested to rename VLSI design as Basics of VLSI Design since it is the base course for multiple other courses in the elective stream. 4. Follow one standard reference books format: Mention the details of title of the book, authors, edition, year of publication and publisher. Include latest edition book. |

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| | <p>Considering the question paper setting perspective suggested to separate out text books and reference books.</p> <ol style="list-style-type: none"> In a semester, one or two chapters in a course should be taught by Industry Experts. Suggested to include applications in last module of every course. Conduct meeting with students, take their inputs about course content, documentation needed for renewal of autonomous status by UGC. Resolutions are to be maintained. Record, change in syllabus, content from year to year. |
| Dr. T Srinivas, Professor, Department of ECE, IISc, Bengaluru | <p>Recommendations/Suggestions from Dr. T Srinivas, Subject Expert (External)</p> <ol style="list-style-type: none"> Set a higher cap to distribute students to various PECs offered from the department. For theoretical or easy courses, add practical and project component to balance with difficult courses. |
| Dr. Balachandra Achar H. V. (External), Professor, Dept of ECE, Manipal Institute of Technology, Govindapura, Yelahanka, Bengaluru | <p>Recommendations/Suggestions from Dr. Balachandra Achar H. V. (External)</p> <ol style="list-style-type: none"> Are 3 Internships required? Since effectiveness is less the number of internships can be reduced and even the marks allocated. Make provision for Industry expert's evaluation. During 8th if students are busy with internship 5 days a week, when will they do the project? Justify. Encourage Internships in core domain, make students to visit industry. In 5th semester 2021 Scheme, AEC course, change Teaching dept. |
| Dr. Vijaya Krishna, Subject Expert (External), Senior Architect, Bosch Global Software Ltd Adugodi, Bengaluru | <p>Recommendations/ Suggestions from Dr. Vijaya Krishna, Subject Expert (External)</p> <ol style="list-style-type: none"> Offer MOOC courses relevant to the particular stream which are available during that semester, also suggested to offer the MOOC courses which are already existing in the web portal, since the Institute is conducting separate CIE and SEA at college level to assess the students. PCC course of 7th sem 2021 Scheme - Wireless Communication Technologies may be renamed as Next Generation Wireless Networks. When 2 courses are combined into 1 and offered, the ratio of content distribution should be 2:3 or 3:2 or 3.5:1.5. Programming courses can be offered as Add on courses without removing or combining the core courses. In Mathematics course of 3rd semester, content coverage on Fourier Series and Fourier Transforms may be relooked. Fourier Transforms may be detailed more than Series. CSE 3rd Mathematics course may be taken as reference. In Mathematics course of 4th semester, Module 4 and 5 may be interchanged. In Analog and Digital Communication course, concepts of Pulse shaping to be introduced. In PCC courses use Lab as assignment part to enrich students with hands on experience. When 2 core subjects are combined, 40 hours may not be sufficient. Therefore, increase the credits to cover the important concepts of both the subjects. |

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| Mr. Manjunath V, (External) Senior Staff Engineer, Synopsys India Pvt. Ltd., Bengaluru | <ol style="list-style-type: none"> 1. Open Elective courses offered by ECE dept are good to be offered to even ECE students. Ex. Automotive Electronics 2. Suggested to include Combinational and Sequential logic optimization techniques in DSDV course or as Professional Elective Course. |
| Concluding Remarks by Member Secretary, Dr. Rekha P | <p>Noted the suggestions and recommendation given by BOS Committee Members (both external and internal).</p> <p>Mentioned that suggestions will be incorporated into ECE autonomous curriculum to make it better to meet the requirements of the Industry and Societal needs.</p> |



Member Secretary
Dr. Rekha P



Dr. Yasha Jyothi M Shirur
HoD-ECE

Head of the Department
Electronics & Communication Engineering

B.N.M. Institute of Technology
Bangalore - 560 070



Additional Director
B.N.M. Institute of Technology
27th Cross, 12th Main, Banashankari 2nd stage
Bangalore - 560 070

Photographs / Snapshots during Second BoS Meeting held on 30-8-2023



Rekha P

Member Secretary
Dr. Rekha P

Yashajyothi
14/9/2023
HoD-ECE

Dr. Yasha Jyothi M Shirur
Head of the Department
Electronics & Communication Engineering
P.V.M. Institute of Technology
Bangalore - 560 076

B.N.M. Institute of Technology
An Autonomous Institution under VTU

Department of Electronics and Communication Engineering
UG: BOS Meeting

Date: 30-08-2023

Attendees of the Meeting:

| Sl. No | Name | Signature |
|-------------------------------|---|--|
| Chairperson | | |
| 1. | Dr. Yasha Jyothi M Shirur, Professor & Head, Dept. of ECE, BNMIT, Bengaluru | <i>[Signature]</i> |
| VTU Nominee | | |
| 2. | Dr. B. Sivakumar Professor, VTU Nominee, Dept. of TCE, Dr. AIT, Bengaluru. | <i>[Signature]</i> |
| External BOS Members | | |
| 3. | Dr. T Srinivas, Professor, Department of ECE, IISc, Bengaluru | <i>[Signature]</i> |
| 4. | Dr. Balachandra Achar H. V. Professor, Dept of ECE, Manipal Institute of Technology | <i>[Signature]</i> |
| 5. | Dr. Vijaya Krishna Professor, Senior Architect, Bosch Global Software Ltd Adugodi, Bengaluru -560030 | <i>[Signature]</i> |
| 6. | Mr. Manjunath V, Senior Staff Engineer, Synopsys India Pvt. Ltd., Bengaluru | <i>[Signature]</i> |
| Internal Members | | |
| 7. | Dr. Rekha P, Member Secretary, Professor, Dept. of ECE, BNMIT | <i>[Signature]</i> |
| 8. | Dr. Bindu S, Professor, Dept. of ECE, BNMIT | <i>[Signature]</i> |
| 9. | Dr. Jyoti R, Munavalli, Professor, Dept. of ECE, BNMIT | <i>[Signature]</i> |
| 10. | Dr. N. Sheshaprasad, Professor, Dept. of ECE, BNMIT | <i>[Signature]</i> |
| 11. | Dr. Bhuvana Suganthi D, Associate Professor, BNMIT | <i>[Signature]</i> |
| 12. | Dr. Chaitra N, Associate Professor, BNMIT | <i>[Signature]</i> |
| 13. | Dr. Ashwini S Savanth, Associate Professor, BNMIT | <i>[Signature]</i> |
| 14. | Dr. Priya R Sankpal, Associate Professor, BNMIT | <i>[Signature]</i> |
| 15. | Dr. Keerthi Kulkarni, Associate Professor, BNMIT | <i>[Signature]</i> |
| Post Graduate Alumnus | | |
| 16. | Mr. Satish D, Post Graduate Meritorious Alumnus, Senior Design Engineer, CADENCE Private Limited, Bengaluru | <i>[Signature]</i> could not attend official work |
| Under Graduate Alumnus | | |
| 17. | Smt. Namratha Nayak, Under Graduate Meritorious Alumnus, Research Scholar, Indian Institute of Science, Bengaluru | <i>[Signature]</i> |
| Co-Opted Member | | |
| 18. | Dr. Subodh Kumar Panda, Professor, BNMIT | <i>[Signature]</i> |

[Signature]
30/8/2023
HOD-ECE
BNMIT, Bengaluru
Head of the Department
Electronics & Communication Engineering
B.N.M. Institute of Technology
Bengaluru - 560 076

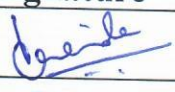
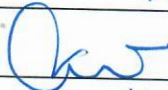






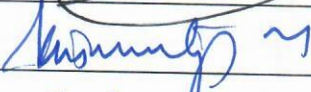

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Department of Electronics and Communication Engineering
UG: BOS Meeting

Date: 30-08-2023

List of Faculty attended the Meeting:

| Sl. No. | Name and Designation | Signature |
|---------|------------------------|---|
| 1. | Dr. Varunda Kusanur |  |
| 2. | Dr. Rashmi S Bhaskar | RL |
| 3. | Prasadashini K. Desai |  |
| 4. | Sumathi A | Sumathi A |
| 5. | Lakshmi Bhaskar |  |
| 6. | Sarala T |  |
| 7. | Prabharathi P |  |
| 8. | Anurekha J.P |  |
| 9. | Vyasraj T |  |
| 10. | Dr. Mangunath G. Anuti | M G Anuti |
| 11. | Dr. S P Kulkarni |  |
| 12. | Dr. Krishnamurthy A |  |
| 13. | Sudarshan | Sudarshan |
| 14. | | |
| 15. | Sujaya B. L |  |


30/8/2023

HOD-ECE

BNMIT, Bengaluru

Head of the Department

Electronics & Communication Engineering

B.N.M. Institute of Technology

Bangalore - 560 078