



**Shri Mata Vaishno Devi University**  
School of Electronics & Communication Engineering  
Sub Post Office, Katra 182 320  
Faculty of Engineering

No. SMVDU/FoE/SoECE/19/03

Dated: 26/05/2020

Virtual Minutes of the 12<sup>th</sup> Board of Studies Meeting of the School of Electronics  
Communication & Engineering (SoECE), SMVDU

A virtual meeting (through e-mail) of Board of Studies of the School of Electronics and Communication Engineering was held on 26<sup>th</sup> May 2020 to discuss various Academic matters related to U.G and P.G. courses offered by the School of Electronics Communication & Engineering. The following members including the invited expert attended the meeting.

- |  |                 |
|--|-----------------|
| 1. Dr. K.R.Jha, Associate Professor, Head , SoECE    | Chairman        |
| 2. Prof. Jyoteesh Malhotra                           | External Member |
| 3. Dr. Subash Chandra Dubey                          | External Member |
| 4. Prof. Duggirala Srinivas Rao, JNTU                | Invitee         |
| 5. Dr. Vipin Kakkar, Associate Professor             | Member          |
| 6. Dr. A.K. Pandit Associate Professor               | Member          |
| 7. Dr. Rakesh Kumar Jha, Associate Professor         | Member          |
| 8. Dr. Sumeet Gupta, Associate Professor             | Member          |
| 9. Dr. Manish Sabraj, Associate Professor            | Member          |
| 10. Mr. Ashish Suri, Assistant Professor             | Member          |
| 11. Mr. Anil Bhardwaj, Assistant Professor           | Member          |
| 12. Mr. Neeraj Tripathi, Assistant Professor         | Member          |
| 13. Mr. Swastik Gupta, Assistant Professor           | Member          |
| 14. Dr. Purnima Hzara, Assistant Professor           | Member          |
| 15. Dr. Sachin Kumar Gupta, Assistant Professor      | Member          |
| 16. Dr. Vikram Singh, Assistant Professor            | Member          |
| 17. Dr. Vijay Kumar Sharma, Assistant Professor      | Member          |
| 18. Mr. Yogeshwar Singh Dadhwal, Assistant Professor | Member          |
| 19. Mr. Akshay Mann, Assistant Professor             | Member          |



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**Agenda Items discussed & the resolution adopted during 12<sup>th</sup> Meeting of Board of Studies of School of Electronics & Communication Engineering**

**Agenda Item No.1: Evaluation Mechanism of B. Tech. Major Project for Year 2019-2020**

Resolution: In view of the extraordinary situation arising out of the pandemic COVID-19 and the statutory body guidelines, the evaluation mechanism of the B. Tech. Major Project for the Academic year 2019-20 (for B. Tech. 2016 Batch) is proposed as follows:

- a) As per UGC advisory, the project may use secondary data as obtaining experimental/simulation based analysis may not be feasible. However, the focus of the project report shall primarily be on the following aspects:
  - i) Literature Survey
  - ii) Objective of the Project
  - iii) Proposed Design Hardware/Software in detail
  - iv) Analysis (if available)
  - v) Conclusion & Future Work
- b) The format for the Project report be circulated to the students (through UG Coordinator) at the earliest and the faculty guides/Internship guide be deeply involved in the monitoring of the preparation of the report at all stages. The format must contain the formats of all certificates etc. along with direction regarding Font and spacing, margins etc.
- c) A pdf copy of the final Project report be submitted by the students to the Head of School ((through UG Coordinator), through faculty guide not later than 20th June 2020. A plagiarism check be done to ensure that the report meets the similarity index criteria of at-most 10% and this should be included as part of the pdf report.
- d) In case, the student is on internship, his project will be evaluated after its completion. However, student would be required to inform the Head of School through the Internal Supervisor by 20<sup>th</sup> June 2020.
- e) In case a student group does not wish to be evaluated now, they can request for award of X grade in which case, extended time can be granted as under rules.
- f) The Project report shall be sent to external examiner for evaluation (through UG Coordinator); however the evaluation rubric of the report shall be clearly defined and accompany the Project reports.
- g) The student will be required to submit a presentation (live On-line or via e-mail) and undergo a viva exam, to be taken by a committee to be constituted by the Head of School.
- h) The viva would be conducted via On-line mechanism like Google Meeting, Skype, Zoom etc. or over the phone, in case of network issue.



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i) The break-up of the marks shall be as under:

- Project Guide: 50 Marks (For Major Project) / 25 each for Faculty Guide & Internship Guide (For Internship students)  
External Expert: 20 Marks (The marks out of hundred will be requested from the external expert and then normalized w.r.t. 20 in compiling the grade sheet. The external examiner shall be provided a rubric indicating the distribution of the marks of the various sections of the report)  
Viva by Committee: 30 Marks

**Agenda Item No.2: Evaluation Mechanism of M. Tech. Major Project**

**Resolution:** In view of the extraordinary situation arising out of the pandemic COVID-19 and the statutory body guidelines, the evaluation mechanism of the M. Tech. Dissertation/Major Project for the Academic year 2019-20 (for M. Tech. 2016 Batch) is proposed as follows:

- a) As per UGC advisory, the project may use secondary data as obtaining experimental/simulation based analysis may not be feasible. However, the focus of the project report/Dissertation shall primarily be on the following aspects:
- Literature Survey
  - Objective of the Project
  - Proposed Design Hardware/Software in detail
  - Analysis (if available)
  - Conclusion & Future Work
- b) The format for the Project report be circulated to the students(through PG Coordinator) at the earliest and the faculty guides be deeply involved in the monitoring of the preparation of the report at all stages. The format must contain the formats of all certificates etc., along with direction regarding Font and spacing, margins etc.
- c) A pdf copy of the final Dissertation be submitted by the student to the Head of School (through PG coordinator) , through faculty guide not later than 25th June 2020. A plagiarism check be done to ensure that the report meets the similarity index criteria of at-most 10% and this should be included as part of the pdf report.
- d) In case a student does not wish to be evaluated now, she/he can request for award of X grade in which case, extended time can be granted as under rules; however, under the circumstances the conduct of the evaluation can't be guaranteed to be held on time by the School.
- e) The pdf of Dissertation shall be sent to external examiner for evaluation (through PG Coordinator); however the evaluation rubric of the Dissertation shall be clearly defined and accompany the Dissertation.
- f) The student will be required to submit a presentation (live On-line or via e-mail) and undergo a viva exam, to be taken by a committee to be constituted by the Head of School (through PG coordinator).



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- g) The viva would be conducted via On-line mechanism like Google Meeting, Skype, Zoom etc. or over the phone, in case of network issue.
- h) The student shall be required to submit a good quality Survey Paper along with the pdf of the Dissertation to the concerned guide, which can then be sent to a conference / journal later ( It is to be verified by the supervisor before forwarding the dissertation report)
- i) The break-up of the marks shall be as under:
- Project Guide: 30 Marks
  - External Expert: 30 Marks (The marks out of hundred will be requested from the external expert and then normalized w.r.t. 20 in compiling the grade sheet. The external examiner shall be provided a rubric indicating the distribution of the marks of the various sections of the report)
  - Viva by Committee: 30 Marks
  - Marks based on Grade obtained in Project Phase-I in 3<sup>rd</sup> Semester – 10 Marks

**Agenda Item No.3:: Regarding summer Internship/Summer Training of the B.Tech. Students of 1<sup>st</sup> Year & 3<sup>rd</sup> Year**

Resolution: In light of the UGC Letter No. D.O. No.F. 1- 1 /2020(Secy) May 4, 2020, and the inability if the students in many case to complete the normal internship, the following decisions have been taken to consider the following as an equivalent to an internship:

- a) An online MOOC course of at-least 04 weeks or more with a valid certificate/ On-line Internship offered by a recognized Institution of at-least 04 Weeks duration with valid certificate / Internship through Internshala or AICTE NEAT of at-least 04 Weeks with valid certificate may be considered as an equivalent to the internship for students of Batch 2019 & Batch 2017.

Or

- b) Student working on ongoing project duly certified by the Principal Investigator or equivalent may be considered as an Intern with a valid certificate to be obtained from the PI indicating clearly the duration which should be 04 Weeks at-least.

Or

- c) Student shall also have the option for taking the Internship in the next semester, on same methodology, as mentioned at Point a above, but he/she is required to seek permission from the Head of the School before 15th June 2020.

Accordingly, it is proposed that the Degree award requirement of B.Tech. Students of Batch 2017, pertaining to Internship/Summer Training, may be reduced, as a once time exception, from 6 Weeks to 4 Weeks



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**Agenda Item No. 4: Regarding the Evaluation Mechanism**

Resolution: In light of the UGC Advisory and in view of the difficulty of conducting the Minor –II Exam, in time, it is proposed that the 50 Marks, normally allotted for Minor-I, Minor-II & Quiz/Assignment may be viewed as under for all B.Tech./M.Tech. (E&CE) Batches:

- a) The Minor –I examination to be weighted to 30 marks.
- b) Another 20 Marks be assigned to other activities like Assignment, Quiz., etc., as may be conducted by the course coordinator using On-line means which should be completed by 15<sup>th</sup> June 2020.

**Agenda Item No 5: Regarding offering Research Methodology Subject at School Level**

Resolution: In light of the O/O no. R&D/19/ 1899-1904 dated 24/12/ 2019, the detailed syllabus of the subject “Research Methodology for Electronics Engineers” L-T-P:4-0-0, as given in Annexure I. is recommended.

**Agenda Item 6: Up gradation/ Modification/Addition of New Subject**

A new course “Computational Electromagnetics, (L-T-P:3-0-0)” as an School Elective Subject (School Elective –I) for M. Tech. ECE as given in Annexure-II, is recommended.

**Action Taken Report on 11<sup>th</sup> BOS meeting held on 31<sup>st</sup> May 2019**

**Agenda Item No.1 Realignment of B. Tech. and M. Tech. course structure of Electronics and Communication Engineering**

*Action Taken: Needful done and notified.*

**Agenda Item No.2: Panel of External Examiner’s for the conduct of B.Tech. & M.Tech. Project/ Dissertation/Internship**

*Action Taken: Needful done and notified.*

**Agenda Item No.3: Change of Core subject “Synthesis & Optimization of Digital Circuits” by “CMOS Digital Design & moving the course “Synthesis & Optimization of Digital Circuits” as an Elective Course.**

*Action Taken: Needful done and notified.*

**Agenda Item No.4: Inclusion of following School Elective Courses in B. Tech & M.Tech. ECE Program**

- ECE XXXX Social Networks
- ECE XXXX Information Theory & Coding
- ECE XXXX Machine Learning



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Action Taken: *Needful done and notified.*

**Agenda Item No.5:** Modification in Syllabus of courses offered in B. Tech. & M. Tech. ECE

**B. Tech.**

1. Analog Communication Engineering
2. Digital Communication Engineering
3. Signal Processing & Linear System
4. IC Fabrication & VLSI
5. Introduction to MEMS
6. MEMS Design

**M. Tech.**

1. Signal Processing Techniques & Applications
2. Information Theory & Coding
3. Advance Digital Communication

Action Taken: *Needful done and notified.*

**Agenda Item No.6:** Re-constitution of Board of Study (BoS) for the school of Electronics and Communication Engineering

Action Taken: *Needful done and notified.*

Meeting ended with the vote of thanks

Dr. V. K. Sharma  
Hazra(Asstt.Prof.)  
Member

Dr. Vikram Singh  
(Asstt. Prof.)  
Member

Dr. S. K. Gupta  
(Asstt.Prof.)  
Member

Dr. Purnima  
(Asstt.Prof.)  
Member

Mr. Swastik Gupta  
(Asstt.Prof.)  
Member

Mr. Neeraj Tripathi  
(Asstt.Prof.)  
Member

Mr. Anil Bhardwaj  
(Asstt.Prof.)  
Member

Mr. Ashish Suri  
(Asstt.Prof.)  
Member

Dr. Manish Sabraj  
(Assoc.Prof.)  
Member

Dr. Sumeet Gupta  
(Assoc.Prof.)  
Member

Dr. R. K. Jha  
( Assoc. Prof.)  
Member

Dr.A.K. Pandit  
(Assoc.Prof.)  
Member

Dr. Vipin Kakkar  
JNTU  
(Assoc. Professor)  
Member

Dr. Subash Dubey  
(Assoc. Professor)  
External Member

Prof. Jyoteesh Malhotra Prof. D.S. Rao,  
(Professor)  
External Member



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Dr. K. R. Jha  
(Assoc. Prof.)  
Head SECE & Vice Chairman

Copy to:

- (a) PS to VC for the kind information to Hon'ble VC
- (b) Dean FOE
- (c) Registrar
- (d) DAQ
- (e) DAA
- (f) File