

**PROCEEDINGS OF THE SCHOOL BOARD MEETING HELD ON 05-05-2025 AT 3:30 PM IN THE CONFERENCE ROOM, DEAN'S BILDING, SCHOOL OF ENGINEERING, TEZPUR UNIVERSITY**

Members' Present:-

- |  |                 |
|--|-----------------|
| 1. Prof. Sankar Chandra Deka, Dean, SoE                    | Chairperson     |
| 2. Prof. Partha Pratim Dutta, HoD, Dept. of Design         | Member          |
| 3. Prof. Manuj Kr. Hazarika, HoD, Dept. of VSSD            | Member          |
| 4. Prof. Bhabesh Deka, HoD, Dept. of ECE                   | Member          |
| 5. Prof. Sadhan Mahapatra, HoD, Dept. of Energy            | Member          |
| 6. Prof. Sarat Saharia, HoD, Dept. of CSE                  | Member          |
| 7. Prof. Kamal U. Ahamad, HoD, Dept. of CE                 | Member          |
| 8. Prof. Laxmikant S Badwaik, HoD, Dept. of FET            | Member          |
| 9. Prof. Asim Datta, HoD, Dept. of EE                      | Member          |
| 10. Dr. Paragmoni Kalita, HoD, Dept. of ME                 | Member          |
| 11. Dr. Jwngsar Brahma, HoD, Dept. of Applied Sc.          | Member          |
| 12. Prof. Utpal Kr. Das, Professor, Dept. of CE            | Special Invitee |
| 13. Dr. Srinivasan G, Assistant Professor, Dept. of Design | Special Invitee |

Following agenda to be discussed:

Item No.	Agenda with notes
SoE/SB.64/2025-26/10-06(V-IV)/64.1	Guidelines for offering Minor and Hons.
<b>Decision</b>	<p>A Committee headed by Prof. Utpal Sharma, Department of Computer Science and Engineering submitted the draft of the guidelines for offering of Minor and Hons. for the B. Tech Programmes in the School of Engineering. Prof. Utpal Kr. Das, Department of Civil Engineering member of the committee presented the salient features of the guidelines. Based on the deliberations, the School Board recommended the guidelines for Minor and Hons. to be offered in the School of Engineering, as given in <b>Annexure-I</b>. Following are the salient points of the recommended guidelines.</p> <ol style="list-style-type: none"> <li>1. Minor/Hons. will cumulatively require 18 additional credits in the specified area in addition to the credits essential for obtaining the Undergraduate Degree in the Major Engineering Discipline with minimum 160 credits.</li> <li>2. Grades earned from the courses in Minor/Hons. will not be accounted in the calculation of the CGPA/SGPA of the Major B. Tech. Degree.</li> <li>3. Course code/nomenclature for Minor/Hons. will be decided by the respective Departments. However, a uniform coding philosophy at School level will be adopted.</li> <li>4. Based on AICTE norms, Minor/Hons. will be mentioned along with the Major Degree.</li> <li>5. Either of Minor/Hons. or both can be offered considering the current operational issues from their respective Departments.</li> </ol>

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J. Srinivasan.



6. Credits earned through Minor/Hons. cannot be converted/swapped to open elective

SoE/SB.64/2025-  
26/10-06(V-IV)/64.2

Syllabus/Course Structures for Minor/Hons. for the Major B.Tech. degree programmes as per AICTE guidelines.

The Departments of the School of Engineering submitted the course structures/syllabi of the Minor/Hons. as follows.

**List of Hons.**

Name of the Hons.	Department	To be offered from B. Tech. 3 <sup>rd</sup> /5 <sup>th</sup> Sem	Whether submitted the Course structure/Syllabus
Mechatronics and Robotics	Mechanical Engineering	B.Tech. 5 <sup>th</sup> Sem	Course structure
Artificial Intelligence and Machine Learning	Electronics and Communication Engineering	B. Tech. 3 <sup>rd</sup> and 4 <sup>th</sup> Sem	Course structure and syllabus for i) Programming for Data Science, ii) Mathematical foundation of AI and machine learning
Control Systems and Sensor Technology	Electronics and Communication Engineering	B. Tech. 3 <sup>rd</sup> and 4 <sup>th</sup> Sem	Course structure and syllabus for i) Sensors and transducers, ii) Measurement and control
Geotechnical Engineering	Civil Engineering	B. Tech. 5 <sup>th</sup> Sem	Course structure and syllabus
Product Design/Interaction Design	Design	B. Des.	Course structure and syllabus
Food Quality and Operations Management	Food Engineering and Technology	B. Tech 5 <sup>th</sup> Sem	Course structure and syllabus
Artificial Intelligence (AI)	Computer Science and Engineering	B. Tech. 3 <sup>rd</sup> Sem	Course structure
Microgrid Technologies	Electrical Engineering	B. Tech. 3 <sup>rd</sup> Sem	Course structure

**List of Minors**

Name of the Minor	Department	To be offered from B. Tech. 3 <sup>rd</sup> /5 <sup>th</sup> Sem	Whether submitted the Course structure/Syllabus
Robotics	Electronics and	B. Tech. 3 <sup>rd</sup> and 4 <sup>th</sup>	Course structure and

Decision

*Immanuel*  
*Sh. Senthil*  
*Isaiah*  
*Prasanna*  
*Pradeep*  
*J. Srinivasan*

	Communication Engineering	Sem	syllabus for Introductory Robotics and Foundational Concepts in Robotics
Civil Engineering	Civil Engineering	B. Tech. 3 <sup>rd</sup> Sem	Course structure and syllabus
Sustainable Energy Engineering	Energy	B. Tech. 3 <sup>rd</sup> Sem	Course structure and syllabus
Food Processing Technology	Food Engineering and Technology	B. Tech. 3 <sup>rd</sup> Sem	Course structure and syllabus
Cyber Security	Computer Science and Engineering	B. Tech. 3 <sup>rd</sup> Sem	Course structure and syllabus for Data structure and algorithms using Python
Electric Vehicles	Electrical Engineering	B. Tech. 3 <sup>rd</sup> Sem	Course structure and syllabus
Innovation, Entrepreneurship and Venture Development	Vocational Studies and Skill Development	B. Tech. 5 <sup>th</sup> Sem	Course structure and syllabus

The School Board discussed and recommended the Minor/Hons. as detailed in **Annexure - II(A) to II(N)**.

**SoE/SB.64/2025-26/10-06(V-IV)/64.3**

Revised B.Tech. course curriculum

**Decision**

The syllabi of the courses offered in the B.Tech. 1<sup>st</sup> and 2<sup>nd</sup> semester as per the revised curriculum were already approved in the 48<sup>th</sup> Academic Council Meeting. The School Board discussed and approved the course curriculum and structures for the following B. Tech. Programmes submitted by the respective departments.

Programme	Syllabus/Course structure submitted for the semesters	Annexure no.
B.Tech. in Civil Engineering	B.Tech. 3 <sup>rd</sup> and 4 <sup>th</sup> semester	<b>III(A)</b>
B.Tech. in Mechanical Engineering	B.Tech. 3 <sup>rd</sup> to 8 <sup>th</sup> semester	<b>III(B)</b>
B.Tech. in Electronics and Communication Engineering	B. Tech. course structure 3 <sup>rd</sup> to 8 <sup>th</sup> semester	<b>III(C)</b>
B. Tech. in Electrical Engineering	B.Tech. 3 <sup>rd</sup> to 8 <sup>th</sup> semester	<b>III(D)</b>
B. Tech. in Food Engineering and Technology	B.Tech. 3 <sup>rd</sup> to 8 <sup>th</sup> semester	<b>III(E)</b>
B. Tech. in Computer Science and Engineering	Approved vide resolution AC.48/2024/2/2.19	no.

All the B.Tech. programmes are amenable to multiple exit provisions as per NEP2020.

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SoE/SB.64/2025-26/10-06(V-IV)/64.4	Revised M. Tech. course curriculum
<b>Decision</b>	<p>The School Board discussed and approved the following M. Tech. course curriculum and structure submitted by the departments.</p> <ol style="list-style-type: none"> <li>1. Department of Energy has revised the syllabus for the M. Tech. in Energy Technology with new course code. Recommendation from the DAC and BoS along with experts' comments attached as <b>Annexure-IV</b>.</li> <li>2. Department of Electronics and Communication Engineering has revised the syllabus for the M. Tech. in Bioelectronics. Recommendation from the DAC and BoS along with experts' comments attached as <b>Annexure-V</b>.</li> <li>3. Department of Electronics and Communication Engineering has revised the syllabus for the M. Tech. in Electronics Design and Technology. Recommendation from the DAC and BoS along with experts' comments attached as <b>Annexure-VI</b>.</li> <li>4. Department of Computer Science and engineering has revised the curriculum structure with new course code for the M. Tech. in Computer Science and Engineering. The revised course structure is attached as <b>Annexure-VII</b>.</li> </ol>
SoE/SB.64/2025-26/10-06(V-IV)/64.5	Curriculum Structure and detailed syllabus of the M. Tech. in Manufacturing Technology and Automation programme
<b>Decision</b>	The School Board discussed and approved the curriculum structure and detailed syllabus of the M. Tech. in Manufacturing Technology and Automation programme to be offered from Academic Year 2025-26. The BoS recommendation along with experts' comments and action-taken reports are attached in <b>Annexure-VIII</b> .
SoE/SB.64/2025-26/10-06(V-IV)/64.6	B.Tech. common courses syllabus as per NEP2020
<b>Decision</b>	<p>A committee on the preparation of the B. Tech. Common course syllabus coordinated by Prof. Manuj K. Hazarika, submitted the syllabi for the following courses: <b>Annexure-IX</b>.</p> <p>SEEC200: Engineering Economics and Entrepreneurship.  SEEC201: IDEA Lab Workshop  SEEC300: Professional Practice, Law and Ethics of Engineering  SEEC301: Constitution of India  SEEC302: Finance and Accounting  SEEC303: Essence of Indian Knowledge Tradition</p> <p>The School Board discussed and approved the syllabus with the following points:</p> <ol style="list-style-type: none"> <li>1. As suggested by the expert the School Board renamed the "Engineering Economics and Entrepreneurship" as "Fundamentals of Economics and Entrepreneurship for Engineers".</li> <li>2. For IDEA Lab Workshop Students can choose any one of the combinations mentioned in the module 1/2/3.</li> <li>3. Mathematics-III is approved as a common course for all the 3<sup>rd</sup> Semester B. Tech. and B. Des. Students <b>Annexure-X</b>.</li> <li>4. In view of the renaming of course "Engineering Economics and Entrepreneurship" as "Fundamentals of Economics and Entrepreneurship for Engineers" and Mathematics-III included as common courses for all the 3<sup>rd</sup> Semester B. Tech. and B. Des. students, the revised common course structure for B. Tech. and B. Des. programmes is attached as <b>Annexure-XI</b>.</li> </ol>





SoE/SB.64/2025-26/10-06(V-IV)/64.7	MOOCs														
<b>Decision</b>	All MOOCs courses are to be routed through the Nodal Officer of SWAYAM MOOCs course of Tezpur University. Faculty Coordinator of the concerned departments will assist the Nodal Officer for uniformity of the MOOCs course across the departments and final approval of the courses before registration of the course begins.														
SoE/SB.64/2025-26/10-06(V-IV)/64.8	Revised course code														
<b>Decision</b>	<p>The School Board recommended the new course code for the following departments:</p> <ol style="list-style-type: none"> <li>1. Department of Computer Science and Engineering for programme MCA <b>Annexure-XII.</b></li> <li>2. Department of Computer Science and Engineering for programme M. Tech in Data Sciences. <b>Annexure-XIII.</b></li> <li>3. Department of Mechanical Engineering for programme M. Tech in Mechanical Engineering (specialization Machine Design) <b>Annexure-XIV.</b></li> <li>4. Department of Mechanical Engineering for programme M. Tech in Mechanical Engineering (specialization in Thermal and Fluid Engineering). <b>Annexure-XV.</b></li> </ol>														
SoE/SB.64/2025-26/10-06(V-IV)/64.9	Programme Nomenclature and Intake for the Dual Degree in B. Tech.-MBA programmes														
<b>Decision</b>	<p>The School Board recommended the following nomenclature and intakes for Dual Degree B. Tech.-MBA programmes as follows</p> <table border="1"> <thead> <tr> <th>Programme Name</th><th>Intake</th></tr> </thead> <tbody> <tr> <td>Dual Degree in B.Tech. (Civil Engineering)-MBA</td><td>05</td></tr> <tr> <td>Dual Degree in B.Tech. (Computer Science and Engineering)-MBA</td><td>05</td></tr> <tr> <td>Dual Degree in B.Tech. (Electrical Engineering)-MBA</td><td>05</td></tr> <tr> <td>Dual Degree in B.Tech. (Electronics and Communication Engineering)-MBA</td><td>05</td></tr> <tr> <td>Dual Degree in B.Tech. (Food Engineering and Technology)-MBA</td><td>05</td></tr> <tr> <td>Dual Degree in B.Tech. (Mechanical Engineering)-MBA</td><td>05</td></tr> </tbody> </table> <p>This resolution will be forwarded to Programme Director, Dual degree B. Tech.-MBA programmes for further necessary actions.</p>	Programme Name	Intake	Dual Degree in B.Tech. (Civil Engineering)-MBA	05	Dual Degree in B.Tech. (Computer Science and Engineering)-MBA	05	Dual Degree in B.Tech. (Electrical Engineering)-MBA	05	Dual Degree in B.Tech. (Electronics and Communication Engineering)-MBA	05	Dual Degree in B.Tech. (Food Engineering and Technology)-MBA	05	Dual Degree in B.Tech. (Mechanical Engineering)-MBA	05
Programme Name	Intake														
Dual Degree in B.Tech. (Civil Engineering)-MBA	05														
Dual Degree in B.Tech. (Computer Science and Engineering)-MBA	05														
Dual Degree in B.Tech. (Electrical Engineering)-MBA	05														
Dual Degree in B.Tech. (Electronics and Communication Engineering)-MBA	05														
Dual Degree in B.Tech. (Food Engineering and Technology)-MBA	05														
Dual Degree in B.Tech. (Mechanical Engineering)-MBA	05														
SoE/SB.64/2025-26/10-06(V-IV)/64.10	The course structures of the Dual Degree in B.Tech.-MBA programmes														
<b>Decision</b>	The School Board discussed and recommended the course structure and syllabus for the Dual Degree in B. Tech.-MBA programmes as given in <b>Annexure-XVI(A) to XVI(F).</b> The resolution will be forwarded to Programme Director, Dual degree B. Tech.-MBA programmes for further necessary actions.														
SoE/SB.64/2025-26/10-06(V-IV)/64.11	Criteria for exit from the Dual Degree in B.Tech.-MBA programmes														
<b>Decision</b>	The School Board discussed the Criteria for exit from the Dual Degree in B.Tech.-MBA programmes and recommended a set of guidelines for the same, as given in <b>Annexure-XVII.</b> The resolution will be forwarded to Programme Director, Dual degree B. Tech.-MBA programmes for further necessary actions.														
SoE/SB.64/2025-26/10-06(V-IV)/64.12	Revised PhD course work for the department of Energy and Electronics and Communication Engineering.														
<b>Decision</b>	<ol style="list-style-type: none"> <li>1. School Board discussed and recommended the revised course curriculum for the PhD in Energy. The recommendation from BoS along with experts' comments and action taken and course curriculum are attached as <b>Annexure-XVIII(A).</b></li> <li>2. School Board discussed the revised syllabi with expert comments for a new PhD elective course on Artificial Intelligence Driven Medical Analysis with course</li> </ol>														



code: EL7XX proposed by Department of Electronics and Communication Engineering and recommended the same attached as **Annexure-XVIII(B)**.

**SoE/SB.64/2025-26/10-06(V-IV)/64.13**

Proposal for revision of remuneration to external examiner for B.Tech./M. Tech. project evaluation

The school board recommends the revision of remuneration to external examiner as stated below.

**Decision**

Head	Existing Remuneration	Proposed Remuneration
B. Tech. project report Examining	Rs. 100/-	Rs. 100/- per project report (Minimum Rs. 3000/- and Maximum Rs. 6000/- per examiner)
M. Tech. project report Examining	Rs. 100/-	Rs. 200/- per project report (Minimum Rs. 3000/- and Maximum Rs. 6000/- per examiner)
B. Tech./ M. Tech. project viva-voce	Rs. 500/- (per batch)	Rs. 3000/- (per batch/whole batch of students)

**SoE/SB.64/2025-26/10-06(V-IV)/64.14**

Proposal for revision of expenditure norms of Excursion Rules of 2014.

**Decision**

As per the Expenditure Norms 4(Vii) of Academic Regulation on 'Excursion Rule' of university (last revised in 2014), each student shall be entitled to an amount of Rs. 120/- per day to meet his/her food and other incidental expenses and maximum ceiling of Rs. 2,500/- per student in a trip (including travel, boarding, food etc.).

The school board recommends the revision of expenditure norms as stated below.

Existing norms	Proposed norms
Each student shall be entitled to an amount of Rs. 120/- per day to meet his/her food and other incidental expenses.	Rs. 300/- per day
A maximum ceiling of Rs. 2,500/- per student in a trip (including travel, boarding, food etc.).	Rs. 5000/-

**SoE/SB.64/2025-26/10-06(V-IV)/64.15**

Flexibility for beginning of the Academic Sessions for the 1st semester students at the School of Engineering

**Decision**

Keeping in view the experience in the recent years regarding continuation of admission and withdrawals to various undergraduate and postgraduate academic programmes of the School of Engineering through different routes, such as BSSC, JOSAA/CSAB, GATE, CUET, UCEED, CEED, TUEE etc., it is recommended to have flexibility for beginning of the Academic Sessions for the 1st semester students at the School of Engineering, in such a manner that their academic sessions from the 2nd year onward can be started simultaneously with the normal academic sessions of the University. This measure can be beneficial to ensure maximum possible enrolments as per the intake capacities, and smooth adaptation of the newly admitted students to the academic activities of the University.

**SoE/SB.64/2025-26/10-06(V-IV)/64.16**

Equivalence of Programme names for Undergraduate Degree in Engineering and Technology under various core branches.

**Decision**

The School Board recommends adoption of the list of Programme names for Undergraduate Degree in Engineering and Technology under various core branches as per

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SoE/SB.64/2025-26/10-06(V-IV)/64.17	the AICTE Approval Process Handbook 2024-2027, as given in <b>Annexure-XIX.</b>
<b>Decision</b>	<p>AoB</p> <ol style="list-style-type: none"> <li>1. A MOOCS with course code SEEC105 of 60 contact hours on Life Skill (2 credit course) at SWAYAM plus platform can be given as optional course from VSSD department for the UG students with the course contents attached in <b>Annexure-XX.</b></li> <li>2. ECBT102: Basic Electronics. B. Des. students performance is average in Basic Electronics. In light of the National curriculum for non-PCM students, few courses from other Schools may be allowed after getting due approval from expert/BoS.</li> <li>3. Department of Energy has revised the Open elective courses for UG/PG non-engineering students that can be offered in Autumn and Spring semesters. The recommendation from BoS along with experts' comments and action taken and course curriculum are attached as <b>Annexure-XXI</b>, <i>as recommended by School Board.</i></li> <li>4. School Board discussed the revised syllabi with expert comments for CSBT251: Data Structures and Algorithms using Python proposed by the Department of Computer Science and Engineering. The course will be offered as an elective in B. Tech. programme and it will also be part of the Minor in Cyber Security. The School Board recommended the same attached as <b>Annexure-XXII.</b></li> <li>5. The School Board discussed and recommended the proposal to include "Fundamentals of Speech Processing (CSMT621)" as an elective course for M. Tech in Data Sciences (3rd semester) Programme <b>Annexure-XXIII.</b></li> <li>6. The School Board discussed and recommended the proposal to rename the course B. Tech. (CSE) course CO209 - Computing Workshop, L-T-P-C:0-0-2-2 as CSBT205 - IT Workshop, L-T-P:1-0-2 <b>Annexure-XXIV.</b></li> </ol>

Prof. Partha Pratim Dutta  
(Member)

Prof. Manuj Kr. Hazarika  
(Member)

Prof. Sadhan Mahapatra  
(Member)

Prof. Sarat Saharia  
(Member)

Prof. Bhabesh Deka  
(Member)

Prof. Kamal U. Ahamad  
(Member)

Prof. L. S. Badwaik  
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Prof. Asim Datta  
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Dr. Paragmoni Kalita  
(Member)

Dr. Jwngsar Brahma  
(Member)

Prof. Utpal Kumar Das  
(Special Invitee)

Dr. Srinivasan G  
(Special Invitee)

Prof. Sankar Chandra Deka