

# **NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR**

## **Minutes of the 37<sup>th</sup> Senate Meeting**



**Day: Friday**

**Date: 23/05/2025**

**Time: 12:00 Noon**

**(Via Hybrid Mode)**

## MINUTES OF THE 37<sup>th</sup> SENATE MEETING HELD ON 23<sup>rd</sup> of May, 2025

The 37<sup>th</sup> Senate Meeting of National Institute of Technology Manipur was held on 23<sup>rd</sup> of May, 2025 at 12:00 Noon via Hybrid Mode.

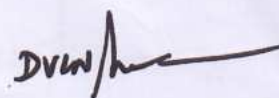
### The following members attended the meeting

- ❖ Prof. D V L N Somayajulu : Ex-officio Chairman  
Director, NIT Manipur
- ❖ Prof. Kh. Tomba Singh : Secretary  
Registrar, NIT Manipur

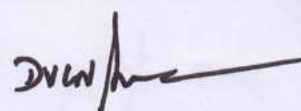
|   |                                                                       |    |                                          |
|---|-----------------------------------------------------------------------|----|------------------------------------------|
| 1 | Prof. G P Raja Sekhar (Online)<br>IIT Kharagpur, External Member      | 8  | Dr. Benjamin A. Shimray (HOD, EE)        |
| 2 | Prof. P. Santhi Thilagam (Online)<br>NITK, Surathkal, External Member | 9  | Dr. Ashish Ranjan (HOD, ECE)             |
| 3 | Dr. L. Herojit Singh, Dean (AA)                                       | 10 | Dr. Prabhat Kumar (HOD, ME)              |
| 4 | Prof. Rajesh Kumar Bhushan (ME)                                       | 11 | Dr. Sangeeta Laishram (Representing HSS) |
| 5 | Prof. P. Albino Kumar (CE) (Online)                                   | 12 | Dr. Sh. Lenin Singh (H OD, Physics)      |
| 6 | Prof. Bakimchandra Oinam (HOD, CE)                                    | 13 | Dr. Th. David Singh (HOD, Chemistry)     |
| 7 | Dr. Yambem Jina Chanu (HOD, CSE)                                      | 14 | Dr. Sunil Panday (HOD, Mathematics)      |

The Chairman, Senate welcomed all the members of the Senate and requested Dean (AA) to present with the agenda items.

| Item No. | Item Description                                                                                                                                                                                          | Resolutions                                                                                                                                                                                                                                                   |
|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37.1     | To consider and confirm the minutes of 36 <sup>th</sup> Senate meeting of National Institute of Technology Manipur, held on 21 <sup>st</sup> April 2025 at NIT Manipur.                                   | Confirmed                                                                                                                                                                                                                                                     |
| 37.2     | To consider the action taken report on the decisions of the 36 <sup>th</sup> Senate meeting of National Institute of Technology Manipur held in hybrid mode on 21 <sup>st</sup> April 2025 at NIT Manipur | Noted                                                                                                                                                                                                                                                         |
| 37.3     | To discuss the result of the transferred internally displaced NIT Manipur students to NIT Silchar/NIT Meghalaya/NIT Delhi for B.Tech programme.                                                           | The Senate authorized Chairman, Senate to declare the results of the internally displaced students once the current semester results of the Academic year 2024-25 received from the respective NITs where the internally displaced students are accommodated. |
| 37.4     | To discuss the result of the transferred B.Tech students at IIT Madras through Summer Internship Program.                                                                                                 | The Senate authorized Chairman, Senate to declare the summer internship results of the students who pursue at IIT Madras in the Academic Year 2024-25.                                                                                                        |



|      |                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 37.5 | To discuss and approve to start Integrated Teacher Education Programme (ITEP) with effect from Academic year 2026-2027 onwards.                                                                                                                                                                                                                                                            | <p>a) Approved to start Integrated Teacher Education Programme (ITEP) with effect from Academic year 2026-2027 onwards. Complete structure of the programme along with various guidelines in subsequent Senate meeting.</p> <p>b) Authorized Chairman, Senate to nominate one Coordinator as Single Point of Contact for this programme.</p> <p>c) Approved to submit the application to NCTE through online portal.</p>                                                                                                                                                                                               |
| 37.6 | To consider and approve the revised NEP course structure and syllabus of B.Tech of all undergraduate programme.                                                                                                                                                                                                                                                                            | <p>a) Approved the final structure and syllabus of all B Tech programme, as recommended by respective Board of Studies.</p> <p>b) Approved to adopt the curriculum with effect from the 2024-25 admitted batch onwards.</p> <p>c) Approved to make provision to offer 1 credit based courses based on industry, entrepreneurship, Design thinking, Health and wellness, Yoga etc as separate basket and offer any time from eminent external experts and total number of such 1-credit courses are equivalent to Internship/summer course and is to be monitored by the Humanities and Social Sciences Department.</p> |
| 37.7 | <p><b>Ratification item:</b></p> <p>Consider and ratify the seat withdrawal of the following B Tech/Ph.D students</p> <p>a) Suryansh Raghuvanshi (24103001), Computer Science and Engineering.</p> <p>b) Abhishek Kumar Gupta (24107003), Mechanical Engineering.</p> <p>c) Kumar Pranjali (24107028), Mechanical Engineering.</p> <p>d) Radhakanta Irom(24401008), Civil Engineering.</p> | Ratified withdrawal of four students.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 37.8 | To consider and approve the results of even semester of Academic year 2024-25 for B.Tech, M.Tech, M.Sc and Ph.D. programmes.                                                                                                                                                                                                                                                               | <p>a) Approved the results of even semester of Academic year 2024-25 of B Tech, M Tech, M.Sc and Ph.D programmes. (Annexure I)</p> <p>b) Members of the Senate suggested to offer more tutorial classes for courses having more failures / low pass percentage.</p> <p>c) Members of the Senate suggested to complete the academic audit for all courses offered by each department in Academic year 2024-25 with</p>                                                                                                                                                                                                  |

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | external experts and present the summary of the audit reports in the next Senate meeting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 37.9 | <p>Any other items with the permission of Chair</p> <p>a) Cancellation of Ph.D registration of Mr. Nongmaithem Amit Singh, (23402001), a Ph.D Student from Chemistry department:</p> <p>Mr. Nongmaithem Amit Singh joined as project staff and not drawn any institute fellowship and registered for the Ph.D programme on August 16, 2023. DC and DPPC meeting of the department was recommended for cancellation of Ph.D based on the request submitted by candidate.</p> <p>b) Cancellation of Ph.D registration Ms Sharon Mayirnao, (24408007), a PhD Student from Mathematics department:<br/>DC and DPPC of the department recommended the cancellation of Ms. Sharon Mayirnao Ph.D. admission upon her request.</p> <p>c) Ratification of conversion of Ph.D full time into part-time:</p> <p>Ms. Khangemba Babina Devi, Ph.D students who is working in Mathematics Department since 20.8.2018, received offer of Assistant Professor in D.M. University Imphal, She has completed 6 years and published 2 SCI papers. Her synopsis was completed and in the final stage of Thesis submission. DC and DPPC has recommended her conversion from full time to part time Ph.D. programme as per rules. Chairman, Senate approved the conversion from full time into part time.</p> <p>d) Information item: Institute signed MoU with Dhanamanjuri University in the on 21<sup>st</sup> May 2025.</p> | <p>Approved to cancel the Ph.D registration.</p> <p>Approved to cancel Ph.D registration with the condition that Ms Sharon Mayirnao refunds and without demur to the Institute within 30(thirty) days from the date of demand, 50% of the total fellowship amount received by her from the Institute (NIT Manipur) as per Item No. 24.11 resolution of 24<sup>th</sup> Senate meeting held on 18.02.2022.</p> <p>Ratified.</p> <p>Noted. Members of the Senate suggested to include as information item in Senate agenda about the MoUs signed from now onwards. (Annexure II)</p> |




|                                                                                                                        |                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| d) Consider and approve to appoint adjunct faculty, Professor of Practice, and Visiting faculty in various department. | Recommended for approval to issue rolling advertisement for the appointment of adjunct faculty, Professor of Practice and visiting faculty as per earlier Board approval. |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



**(Prof. Kh. Tomba Singh)**

Registrar,  
Secretary, Senate  
National Institute of Technology Manipur



**(Prof. D V L N Somayajulu)**

Director,  
Ex-Officio Chairman, Senate  
National Institute of Technology Manipur



# Annexure I

M.TECH CE- ENVIRONMENTAL

IV SEMESTER OF ENVIRONMENTAL AND WATER RESOURCE ENGINEERING-2023-2024

| Sr. No. | Sub Code | Subject Name     | Total App. Student | Grade |   |   |    |   |   |   |   |   |   | Pass |    |   | Fail |   |        | Pass % | Fail % |
|---------|----------|------------------|--------------------|-------|---|---|----|---|---|---|---|---|---|------|----|---|------|---|--------|--------|--------|
|         |          |                  |                    | M     | F | T | EX | A | B | C | D | P | F | FA   | I  | M | F    | T | M      |        |        |
| 1       | CE 622   | M Tech Project 2 | 8412               | 5     | 7 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 8 | 4    | 12 | 0 | 0    | 0 | 100.00 | 0.00   |        |
|         |          |                  | Total12            | 5     | 7 | 0 | 0  | 0 | 0 | 0 | 0 | 0 |   |      |    |   |      |   |        |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 12       | 12   | 0    | 100.00 | 0.00   |

## M.TECH CE- ENVIRONMENTAL

### II SEMESTER OF ENVIRONMENTAL AND WATER RESOURCE ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                                             | Total App. Student | Grade |   |    |   |   |   |   |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |       |
|---------|----------|----------------------------------------------------------|--------------------|-------|---|----|---|---|---|---|---|---|----|------|---|---|------|---|---|--------|--------|-------|
|         |          |                                                          | M                  | F     | T | EX | A | B | C | D | P | F | FA | I    | M | F | T    | M | F |        |        | T     |
| 1       | CE 502   | Solid Waste Management and EIA                           | 5                  | 3     | 8 | 0  | 0 | 2 | 4 | 1 | 0 | 1 | 0  | 0    | 4 | 3 | 7    | 1 | 0 | 1      | 87.50  | 12.50 |
| 2       | CE 504   | Spatial Modelling & Assessment                           | 5                  | 3     | 8 | 0  | 0 | 0 | 0 | 5 | 2 | 1 | 0  | 0    | 4 | 3 | 7    | 1 | 0 | 1      | 87.50  | 12.50 |
| 3       | CE 514   | Environmental Management                                 | 3                  | 0     | 3 | 0  | 0 | 1 | 1 | 0 | 0 | 1 | 0  | 0    | 2 | 0 | 2    | 1 | 0 | 1      | 66.67  | 33.33 |
| 4       | CE 560   | Water Distribution & Wastewater Collection System Design | 2                  | 3     | 5 | 1  | 2 | 1 | 1 | 0 | 0 | 0 | 0  | 0    | 2 | 3 | 5    | 0 | 0 | 0      | 100.00 | 0.00  |
| 5       | CE 578   | Advanced Hydraulic Engineering                           | 5                  | 3     | 8 | 0  | 1 | 2 | 2 | 1 | 1 | 1 | 0  | 0    | 4 | 3 | 7    | 1 | 0 | 1      | 87.50  | 12.50 |
|         |          |                                                          | Total 8            |       |   | 6  | 8 | 7 | 3 | 4 | 0 | 0 |    |      |   |   |      |   |   |        |        |       |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 8        | 7    | 1    | 87.50  | 12.50  |

## M.TECH CE- STRUCTURAL

### IV SEMESTER OF STRUCTURAL ENGINEERING-2023-2024

| Sr. No. | Sub Code | Subject Name     | Total App. Student |   |   | Grade |   |   |   |   |   |   |    |   | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|---|------|---|---|------|---|---|--------|--------|
|         |          |                  | M                  | F | T | EX    | A | B | C | D | P | F | FA | I | M    | F | T | M    | F | T |        |        |
| 1       | CE 606   | M Tech Project 2 | 5                  | 3 | 8 | 6     | 2 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 5    | 3 | 8 | 0    | 0 | 0 | 100.00 | 0.00   |
| Total   |          |                  | 8                  |   |   | 6     | 2 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |      |   |   |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 8        | 8    | 0    | 100.00 | 0.00   |

## M.TECH CE- STRUCTURAL

## II SEMESTER OF STRUCTURAL ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                             | Total App. Student |   |    | Grade |    |    |    |   |   |   |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|------------------------------------------|--------------------|---|----|-------|----|----|----|---|---|---|----|---|------|---|----|------|---|---|--------|--------|
|         |          |                                          | M                  | F | T  | EX    | A  | B  | C  | D | P | F | FA | I | M    | F | T  | M    | F | T |        |        |
| 1       | CE 536   | Advanced Structural Lab                  | 10                 | 3 | 13 | 0     | 0  | 2  | 9  | 2 | 0 | 0 | 0  | 0 | 10   | 3 | 13 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | CE 552   | Earthquake Resistant Design of Buildings | 10                 | 3 | 13 | 0     | 0  | 5  | 6  | 2 | 0 | 0 | 0  | 0 | 10   | 3 | 13 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | CE 562   | Advanced Structural Design               | 10                 | 3 | 13 | 1     | 0  | 0  | 5  | 0 | 5 | 2 | 0  | 0 | 8    | 3 | 11 | 2    | 0 | 2 | 84.62  | 15.38  |
| 4       | CE 564   | Continuum Mechanics                      | 10                 | 3 | 13 | 0     | 10 | 3  | 0  | 0 | 0 | 0 | 0  | 0 | 10   | 3 | 13 | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | CE 566   | Structural Health Monitoring             | 10                 | 3 | 13 | 1     | 2  | 4  | 6  | 0 | 0 | 0 | 0  | 0 | 10   | 3 | 13 | 0    | 0 | 0 | 100.00 | 0.00   |
| Total   |          |                                          | 13                 |   |    | 2     | 12 | 14 | 26 | 4 | 5 | 2 | 0  | 0 |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 13       | 11   | 2    | 84.62  | 15.38  |

## M.TECH CE- STRUCTURAL(p)

### II SEMESTER OF STRUCTURAL ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                             | Total App. Student | Grade |   |   |    |   |   |   |   |   | Pass |    |   | Fail |   |   | Pass % | Fail % |      |
|---------|----------|------------------------------------------|--------------------|-------|---|---|----|---|---|---|---|---|------|----|---|------|---|---|--------|--------|------|
|         |          |                                          |                    | M     | F | T | EX | A | B | C | D | P | F    | FA | I | M    | F | T |        |        | M    |
| 1       | CE 552   | Earthquake Resistant Design of Buildings | C                  | 1     | 1 | 0 | 0  | 0 | 1 | 0 | 0 | 0 | 0    | 0  | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
| 2       | CE 564   | Continuum Mechanics                      | C                  | 1     | 1 | 0 | 0  | 1 | 0 | 0 | 0 | 0 | 0    | 0  | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
|         |          |                                          | Total              | 1     | 0 | 0 | 1  | 1 | 0 | 0 | 0 | 0 | 0    |    |   |      |   |   |        |        |      |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

# M.TECH CE- STRUCTURAL(p)

## VI SEMESTER OF STRUCTURAL ENGINEERING-2022-2023

| Sr. No. | Sub Code | Subject Name     | Total App. Student |   |   | Grade |   |   |   |   |   |   |    |   | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|---|------|---|---|------|---|---|--------|--------|
|         |          |                  | M                  | F | T | EX    | A | B | C | D | P | F | FA | I | M    | F | T | M    | F | T |        |        |
| 1       | CE 606   | M Tech Project 2 | 0                  | 2 | 2 | 0     | 2 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0    | 2 | 2 | 0    | 0 | 0 | 100.00 | 0.00   |
| Total   |          |                  | 2                  |   |   | 0     | 2 | 0 | 0 | 0 | 0 | 0 | 0  | 0 |      |   |   |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 2        | 2    | 0    | 100.00 | 0.00   |

## B.TECH CE

### IV SEMESTER OF CIVIL ENGINEERING-2023-2024

| Sr. No. | Sub Code | Subject Name                           | Total App. Student |   |    | Grade |    |    |    |    |    |    |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|----------------------------------------|--------------------|---|----|-------|----|----|----|----|----|----|----|---|------|---|----|------|---|---|--------|--------|
|         |          |                                        | M                  | F | T  | EX    | A  | B  | C  | D  | P  | F  | FA | I | M    | F | T  | M    | F | T |        |        |
| 1       | CE 202   | Structural Analysis – I                | 23                 | 5 | 28 | 1     | 4  | 9  | 12 | 2  | 0  | 0  | 0  | 0 | 23   | 5 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | CE 204   | Environmental Engineering I            | 23                 | 5 | 28 | 2     | 3  | 4  | 6  | 3  | 3  | 7  | 0  | 0 | 16   | 5 | 21 | 7    | 0 | 7 | 75.00  | 25.00  |
| 3       | CE 206   | Geotechnical Engineering-I             | 23                 | 5 | 28 | 0     | 3  | 5  | 5  | 4  | 9  | 2  | 0  | 0 | 21   | 5 | 26 | 2    | 0 | 2 | 92.86  | 7.14   |
| 4       | CE 208   | Hydrology & Water Resource Engineering | 23                 | 5 | 28 | 2     | 4  | 5  | 5  | 3  | 3  | 6  | 0  | 0 | 17   | 5 | 22 | 6    | 0 | 6 | 78.57  | 21.43  |
| 5       | CE 232   | Environmental Engineering Lab          | 23                 | 5 | 28 | 0     | 14 | 2  | 8  | 1  | 0  | 3  | 0  | 0 | 20   | 5 | 25 | 3    | 0 | 3 | 89.29  | 10.71  |
| 6       | CE 234   | Geotechnical Engineering Lab           | 23                 | 5 | 28 | 12    | 11 | 5  | 0  | 0  | 0  | 0  | 0  | 0 | 23   | 5 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7       | MA 204   | Numerical Methods                      | 23                 | 5 | 28 | 2     | 3  | 4  | 4  | 4  | 3  | 8  | 0  | 0 | 15   | 5 | 20 | 8    | 0 | 8 | 71.43  | 28.57  |
|         |          |                                        | Total 28           |   |    | 19    | 42 | 34 | 40 | 17 | 18 | 26 | 0  | 0 |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 28       | 20   | 8    | 71.43  | 28.57  |

## B.TECH CE

### VI SEMESTER OF CIVIL ENGINEERING-2022-2023

| Sr. No. | Sub Code | Subject Name                         | Total App. Student |   |    | Grade |    |    |    |    |    |    |    | Pass |    |   | Fail |   |   | Pass % | Fail % |       |
|---------|----------|--------------------------------------|--------------------|---|----|-------|----|----|----|----|----|----|----|------|----|---|------|---|---|--------|--------|-------|
|         |          |                                      | M                  | F | T  | EX    | A  | B  | C  | D  | P  | F  | FA | I    | M  | F | T    | M | F |        |        | T     |
| 1       | CE 302   | Transportation Engineering-1         | 20                 | 5 | 25 | 3     | 3  | 0  | 1  | 9  | 7  | 2  | 0  | 0    | 18 | 5 | 23   | 2 | 0 | 2      | 92.00  | 8.00  |
| 2       | CE 304   | Construction Technology & Management | 20                 | 5 | 25 | 1     | 3  | 1  | 8  | 5  | 6  | 1  | 0  | 0    | 19 | 5 | 24   | 1 | 0 | 1      | 96.00  | 4.00  |
| 3       | CE 306   | Design of Steel Structure            | 20                 | 5 | 25 | 4     | 9  | 5  | 2  | 4  | 0  | 1  | 0  | 0    | 19 | 5 | 24   | 1 | 0 | 1      | 96.00  | 4.00  |
| 4       | CE 308   | Hydraulics & Hydraulic Structure     | 20                 | 5 | 25 | 0     | 2  | 1  | 2  | 1  | 8  | 11 | 0  | 0    | 12 | 2 | 14   | 8 | 3 | 11     | 56.00  | 44.00 |
| 5       | CE 332   | Transportation Engineering-I Lab     | 20                 | 5 | 25 | 5     | 6  | 14 | 0  | 0  | 0  | 0  | 0  | 0    | 20 | 5 | 25   | 0 | 0 | 0      | 100.00 | 0.00  |
| 6       | CE 334   | Hydraulics & Hydraulic Structure Lab | 20                 | 5 | 25 | 0     | 4  | 8  | 8  | 4  | 0  | 1  | 0  | 0    | 19 | 5 | 24   | 1 | 0 | 1      | 96.00  | 4.00  |
| 7       | HS 302   | MME                                  | 20                 | 5 | 25 | 0     | 1  | 5  | 3  | 11 | 5  | 0  | 0  | 0    | 20 | 5 | 25   | 0 | 0 | 0      | 100.00 | 0.00  |
|         |          |                                      | Total 25           |   |    | 13    | 28 | 34 | 24 | 34 | 26 | 16 | 0  | 0    |    |   |      |   |   |        |        |       |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 25       | 14   | 11   | 56.00  | 44.00  |

## B.TECH CE

### VIII SEMESTER OF CIVIL ENGINEERING-2021-2022

| Sr. No. | Sub Code | Subject Name                          | Total App. Student |   |    | Grade |    |    |    |    |   |   |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|---------------------------------------|--------------------|---|----|-------|----|----|----|----|---|---|----|---|------|---|----|------|---|---|--------|--------|
|         |          |                                       | M                  | F | T  | EX    | A  | B  | C  | D  | P | F | FA | I | M    | F | T  | M    | F | T |        |        |
| 1       | CE 422   | Project                               | 19                 | 8 | 27 | 20    | 5  | 2  | 0  | 0  | 0 | 0 | 0  | 0 | 19   | 8 | 27 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | CE 424   | Industrial Project                    | 3                  | 0 | 3  | 0     | 0  | 0  | 3  | 0  | 0 | 0 | 0  | 0 | 3    | 0 | 3  | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | CE 426   | Project Seminar                       | 3                  | 0 | 3  | 0     | 0  | 0  | 1  | 2  | 0 | 0 | 0  | 0 | 3    | 0 | 3  | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | CE 428   | Comprehensive Viva                    | 3                  | 0 | 3  | 0     | 0  | 0  | 3  | 0  | 0 | 0 | 0  | 0 | 3    | 0 | 3  | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | CE 454   | Finite Element Methods in Engineering | 19                 | 8 | 27 | 0     | 3  | 10 | 10 | 4  | 0 | 0 | 0  | 0 | 19   | 8 | 27 | 0    | 0 | 0 | 100.00 | 0.00   |
| 6       | CE 470   | Earthquake Resistance Structure       | 19                 | 8 | 27 | 0     | 2  | 8  | 13 | 4  | 0 | 0 | 0  | 0 | 19   | 8 | 27 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7       | CE 472   | Disaster Management                   | 19                 | 8 | 27 | 0     | 0  | 6  | 12 | 2  | 6 | 1 | 0  | 0 | 18   | 8 | 26 | 1    | 0 | 1 | 96.30  | 3.70   |
| Total   |          |                                       | 27                 |   |    | 20    | 10 | 26 | 42 | 12 | 6 | 1 | 0  | 0 |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 30       | 29   | 1    | 96.67  | 3.33   |

Ph.D. CE

I SEMESTER OF CIVIL ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                                             | Total App. Student |   |   | Grade |   |   |   |   |   |   |    |   | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|----------------------------------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|---|------|---|---|------|---|---|--------|--------|
|         |          |                                                          | M                  | F | T | EX    | A | B | C | D | P | F | FA | I | M    | F | T | M    | F | T |        |        |
| 1       | CE 502   | Solid Waste Management and EIA                           | 3                  | 2 | 5 | 0     | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 3    | 2 | 5 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | CE 504   | Spatial Modelling & Assessment                           | 1                  | 3 | 4 | 0     | 0 | 3 | 0 | 1 | 0 | 0 | 0  | 0 | 1    | 3 | 4 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | CE 514   | Environmental Management                                 | 2                  | 3 | 5 | 1     | 2 | 2 | 0 | 0 | 0 | 0 | 0  | 0 | 2    | 3 | 5 | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | CE 560   | Water Distribution & Wastewater Collection System Design | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | HS 701   | Research Methodology                                     | 0                  | 1 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0    | 1 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
|         |          |                                                          | Total              | 1 |   | 1     | 4 | 5 | 0 | 1 | 0 | 0 | 0  | 0 |      |   |   |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 7        | 7    | 0    | 100    | 0      |

## B.TECH CSE

### IV SEMESTER OF COMPUTER SCIENCE & ENGINEERING-2023-2024

| Sr. No. | Sub Code | Subject Name                              | Total App. Student |    |    | Grade |     |     |     |     |    |    |    |   | Pass |    |    | Fail |   |   | Pass % | Fail % |
|---------|----------|-------------------------------------------|--------------------|----|----|-------|-----|-----|-----|-----|----|----|----|---|------|----|----|------|---|---|--------|--------|
|         |          |                                           | M                  | F  | T  | EX    | A   | B   | C   | D   | P  | F  | FA | I | M    | F  | T  | M    | F | T |        |        |
| 1       | CS202    | Formal Languages and Automata Theory      | 61                 | 16 | 77 | 1     | 13  | 21  | 14  | 14  | 8  | 6  | 0  | 0 | 56   | 15 | 71 | 5    | 1 | 6 | 92.21  | 7.79   |
| 2       | CS204    | Algorithms                                | 61                 | 16 | 77 | 12    | 20  | 15  | 7   | 11  | 5  | 7  | 0  | 0 | 56   | 14 | 70 | 5    | 2 | 7 | 90.91  | 9.09   |
| 3       | CS206    | Computer Organization and Architecture    | 61                 | 16 | 77 | 1     | 14  | 18  | 26  | 14  | 3  | 1  | 0  | 0 | 60   | 16 | 76 | 1    | 0 | 1 | 98.70  | 1.30   |
| 4       | CS208    | Object Oriented Programming with JAVA     | 61                 | 16 | 77 | 5     | 24  | 16  | 8   | 12  | 10 | 2  | 0  | 0 | 60   | 15 | 75 | 1    | 1 | 2 | 97.40  | 2.60   |
| 5       | CS232    | Algorithms Lab                            | 61                 | 16 | 77 | 7     | 16  | 17  | 14  | 16  | 0  | 7  | 0  | 0 | 56   | 14 | 70 | 5    | 2 | 7 | 90.91  | 9.09   |
| 6       | CS234    | Object Oriented Programming with JAVA Lab | 61                 | 16 | 77 | 39    | 10  | 6   | 11  | 10  | 0  | 1  | 0  | 0 | 60   | 16 | 76 | 1    | 0 | 1 | 98.70  | 1.30   |
| 7       | CS236    | Peripherals and Accessories Lab           | 61                 | 16 | 77 | 0     | 24  | 4   | 23  | 25  | 0  | 1  | 0  | 0 | 60   | 16 | 76 | 1    | 0 | 1 | 98.70  | 1.30   |
| 8       | MA202    | Probability and Random Processes          | 61                 | 16 | 77 | 5     | 12  | 17  | 8   | 13  | 14 | 8  | 0  | 0 | 56   | 13 | 69 | 5    | 3 | 8 | 89.61  | 10.39  |
|         |          |                                           | Total 77           |    |    | 70    | 133 | 114 | 111 | 115 | 40 | 33 | 0  | 0 |      |    |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 77       | 63   | 14   | 81.82  | 18.18  |

## B.TECH CSE

### VI SEMESTER OF COMPUTER SCIENCE & ENGINEERING-2022-2023

| Sr. No. | Sub Code | Subject Name                         | Total App. Student |    |    | Grade |     |     |     |    |    |    |    | Pass |    |    | Fail |   |   | Pass % | Fail % |       |
|---------|----------|--------------------------------------|--------------------|----|----|-------|-----|-----|-----|----|----|----|----|------|----|----|------|---|---|--------|--------|-------|
|         |          |                                      | M                  | F  | T  | EX    | A   | B   | C   | D  | P  | F  | FA | I    | M  | F  | T    | M | F |        |        | T     |
| 1       | CS302    | Databases                            | 60                 | 18 | 78 | 0     | 20  | 23  | 23  | 10 | 0  | 2  | 0  | 0    | 58 | 18 | 76   | 2 | 0 | 2      | 97.44  | 2.56  |
| 2       | CS304    | Compilers                            | 60                 | 18 | 78 | 5     | 17  | 17  | 16  | 11 | 9  | 3  | 0  | 0    | 58 | 17 | 75   | 2 | 1 | 3      | 96.15  | 3.85  |
| 3       | CS306    | Computer Networks                    | 60                 | 18 | 78 | 1     | 7   | 23  | 21  | 10 | 9  | 7  | 0  | 0    | 53 | 18 | 71   | 7 | 0 | 7      | 91.03  | 8.97  |
| 4       | CS308    | Information Storage and Retrieval    | 60                 | 18 | 78 | 1     | 26  | 18  | 16  | 7  | 7  | 3  | 0  | 0    | 57 | 18 | 75   | 3 | 0 | 3      | 96.15  | 3.85  |
| 5       | CS332    | Databases Lab                        | 60                 | 18 | 78 | 7     | 47  | 12  | 4   | 4  | 0  | 4  | 0  | 0    | 56 | 18 | 74   | 4 | 0 | 4      | 94.87  | 5.13  |
| 6       | CS334    | Compilers and System Programming Lab | 60                 | 18 | 78 | 6     | 27  | 20  | 8   | 16 | 0  | 1  | 0  | 0    | 59 | 18 | 77   | 1 | 0 | 1      | 98.72  | 1.28  |
| 7       | CS336    | Computer Networks Lab                | 60                 | 18 | 78 | 9     | 32  | 16  | 4   | 9  | 0  | 8  | 0  | 0    | 54 | 16 | 70   | 6 | 2 | 8      | 89.74  | 10.26 |
| 8       | HS302    | Management and Managerial Economics  | 60                 | 18 | 78 | 0     | 0   | 19  | 36  | 16 | 4  | 3  | 0  | 0    | 58 | 17 | 75   | 2 | 1 | 3      | 96.15  | 3.85  |
|         |          |                                      | Total 78           |    |    | 29    | 176 | 148 | 128 | 83 | 29 | 31 | 0  | 0    |    |    |      |   |   |        |        |       |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 78       | 66   | 12   | 84.62  | 15.38  |

## B.TECH CSE

### VIII SEMESTER OF COMPUTER SCIENCE & ENGINEERING-2021-2022

| Sr. No. | Sub Code | Subject Name                             | Total App. Student |    |    | Grade |     |     |    |   |   |   |    |   | Pass |    |    | Fail |   |   | Pass % | Fail % |
|---------|----------|------------------------------------------|--------------------|----|----|-------|-----|-----|----|---|---|---|----|---|------|----|----|------|---|---|--------|--------|
|         |          |                                          | M                  | F  | T  | EX    | A   | B   | C  | D | P | F | FA | I | M    | F  | T  | M    | F | T |        |        |
| 1       | CS422    | Project - II                             | 35                 | 15 | 50 | 8     | 27  | 15  | 0  | 0 | 0 | 0 | 0  | 0 | 35   | 15 | 50 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | CS424    | INDUSTRIAL PROJECT                       | 23                 | 5  | 28 | 0     | 14  | 14  | 0  | 0 | 0 | 0 | 0  | 0 | 23   | 5  | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | CS426    | PROJECT SEMINAR                          | 23                 | 5  | 28 | 0     | 12  | 15  | 1  | 0 | 0 | 0 | 0  | 0 | 23   | 5  | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | CS428    | COMPREHENSIVE VIVA                       | 23                 | 5  | 28 | 0     | 10  | 18  | 0  | 0 | 0 | 0 | 0  | 0 | 23   | 5  | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | CS454    | Computation number theory & cryptography | 35                 | 15 | 50 | 11    | 25  | 7   | 3  | 4 | 0 | 0 | 0  | 0 | 35   | 15 | 50 | 0    | 0 | 0 | 100.00 | 0.00   |
| 6       | CS476    | Artificial intelligence                  | 35                 | 15 | 50 | 3     | 17  | 18  | 10 | 2 | 0 | 0 | 0  | 0 | 35   | 15 | 50 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7       | CS482    | Pattern recognition                      | 35                 | 15 | 50 | 2     | 26  | 13  | 6  | 3 | 0 | 0 | 0  | 0 | 35   | 15 | 50 | 0    | 0 | 0 | 100.00 | 0.00   |
|         |          |                                          | Total 50           |    |    | 24    | 131 | 100 | 20 | 9 | 0 | 0 | 0  | 0 |      |    |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 78       | 78   | 0    | 100.00 | 0.00   |

## M.TECH CSE

### II SEMESTER OF COMPUTER SCIENCE & ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                                        | Total App. Student |    |    | Grade |    |    |   |   |   |   |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |  |
|---------|----------|-----------------------------------------------------|--------------------|----|----|-------|----|----|---|---|---|---|----|---|------|---|----|------|---|---|--------|--------|--|
|         |          |                                                     | M                  | F  | T  | EX    | A  | B  | C | D | P | F | FA | I | M    | F | T  | M    | F | T |        |        |  |
| 1       | CS 532   | Computer System Lab                                 | 8                  | 3  | 11 | 2     | 6  | 2  | 1 | 0 | 0 | 0 | 0  | 0 | 8    | 3 | 11 | 0    | 0 | 0 | 100.00 | 0.00   |  |
| 2       | CS 554   | Computational Number Theory and Modern Cryptography | 8                  | 3  | 11 | 4     | 3  | 1  | 2 | 1 | 0 | 0 | 0  | 0 | 8    | 3 | 11 | 0    | 0 | 0 | 100.00 | 0.00   |  |
| 3       | CS 562   | Advanced Topics in networks                         | 8                  | 3  | 11 | 0     | 2  | 3  | 2 | 0 | 4 | 0 | 0  | 0 | 8    | 3 | 11 | 0    | 0 | 0 | 100.00 | 0.00   |  |
| 4       | CS 582   | Data analytics & Artificial intelligence            | 8                  | 3  | 11 | 0     | 2  | 2  | 2 | 4 | 1 | 0 | 0  | 0 | 8    | 3 | 11 | 0    | 0 | 0 | 100.00 | 0.00   |  |
| 5       | CS502    | Theory of Computation                               | 8                  | 3  | 11 | 0     | 1  | 4  | 2 | 2 | 2 | 0 | 0  | 0 | 8    | 3 | 11 | 0    | 0 | 0 | 100.00 | 0.00   |  |
|         |          |                                                     | Total              | 11 |    | 6     | 14 | 12 | 9 | 7 | 7 | 0 | 0  | 0 |      |   |    |      |   |   |        |        |  |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 11       | 11   | 0    | 100.00 | 0.00   |

## M.TECH CSE

### IV SEMESTER OF COMPUTER SCIENCE & ENGINEERING-2023-2024

| Sr. No. | Sub Code | Subject Name | Total App. Student | Grade |   |   |   |   |   |   |    |   |       | Pass  |        |      | Fail |  |  | Pass % | Fail % |
|---------|----------|--------------|--------------------|-------|---|---|---|---|---|---|----|---|-------|-------|--------|------|------|--|--|--------|--------|
|         |          |              | M F T              | EX    | A | B | C | D | P | F | FA | I | M F T | M F T | M F T  |      |      |  |  |        |        |
| 1       | CS622    | Project-II   | 3 1 4              | 1     | 1 | 2 | 0 | 0 | 0 | 0 | 0  | 0 | 3 1 4 | 0 0 0 | 100.00 | 0.00 |      |  |  |        |        |
|         |          |              | Total 4            | 1     | 1 | 2 | 0 | 0 | 0 | 0 | 0  | 0 |       |       |        |      |      |  |  |        |        |

*M- Male Student, F-Female Student, T- Total Student*

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 4        | 4    | 0    | 100.00 | 0.00   |

## M.TECH CSE(p)

### II SEMESTER OF COMPUTER SCIENCE & ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                             | Total App. Student |   |   | Grade |   |   |   |   |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|------------------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|------|---|---|------|---|---|--------|--------|
|         |          |                                          | M                  | F | T | EX    | A | B | C | D | P | F | FA | I    | M | F | T    | M | F |        |        |
| 1       | CS 532   | Computer System Lab                      | 1                  | 0 | 1 | 1     | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | CS 562   | Advanced Topics in networks              | 1                  | 0 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | CS 582   | Data analytics & Artificial intelligence | 1                  | 0 | 1 | 0     | 0 | 0 | 1 | 0 | 0 | 0 | 0  | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
|         |          |                                          | Total              |   |   | 1     | 0 | 1 | 1 | 0 | 0 | 0 | 0  |      |   |   |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

## M.TECH CSE(p)

### IV SEMESTER OF COMPUTER SCIENCE & ENGINEERING-2023-2024

| Sr. No. | Sub Code | Subject Name                             | Total App. Student | Grade |   |   |    |   |   |   |   |   |   | Pass |   |   | Fail |   |   | Pass % | Fail % |      |
|---------|----------|------------------------------------------|--------------------|-------|---|---|----|---|---|---|---|---|---|------|---|---|------|---|---|--------|--------|------|
|         |          |                                          |                    | M     | F | T | EX | A | B | C | D | P | F | FA   | I | M | F    | T | M |        |        | F    |
| 1       | CS 532   | Computer System Lab                      | C                  | 1     | 1 | 0 | 0  | 1 | 0 | 0 | 0 | 0 | 0 | 0    | 1 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |      |
| 2       | CS 582   | Data analytics & Artificial intelligence | C                  | 1     | 1 | 0 | 0  | 0 | 1 | 0 | 0 | 0 | 0 | 0    | 1 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |      |
| 3       | CS502    | Theory of Computation                    | C                  | 1     | 1 | 0 | 0  | 0 | 0 | 0 | 1 | 0 | 0 | 0    | 0 | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
|         |          |                                          | Total              | 1     | 0 | 0 | 1  | 1 | 0 | 1 | 0 | 0 | 0 |      |   |   |      |   |   |        |        |      |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

Ph.D. CSE

I SEMESTER OF COMPUTER SCIENCE & ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                             | Total App. Student |   |   | Grade |   |   |   |   |   |   |    |   | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|------------------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|---|------|---|---|------|---|---|--------|--------|
|         |          |                                          | M                  | F | T | EX    | A | B | C | D | P | F | FA | I | M    | F | T | M    | F | T |        |        |
| 1       | CS562    | Advanced Topics in Networks              | 1                  | 1 | 2 | 0     | 0 | 1 | 1 | 0 | 0 | 0 | 0  | 0 | 1    | 1 | 2 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | CS582    | Data analytics & Artificial intelligence | 1                  | 1 | 2 | 0     | 1 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 1 | 2 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | CS588    | Steganography techniques                 | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | CS592    | Advance Natural Language Processing      | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | CS595    | Speech Processing                        | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
|         |          |                                          | Total              | 1 |   | 0     | 4 | 2 | 1 | 0 | 0 | 0 | 0  | 0 |      |   |   |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 3        | 3    | 0    | 100.00 | 0.00   |

## B.TECH ECE

### VI SEMESTER OF ELECTRONICS & COMMUNICATION ENGINEERING-2022-2023

| Sr. No. | Sub Code | Subject Name               | Total App. Student |   |    | Grade |    |    |    |    |    |    |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|----------------------------|--------------------|---|----|-------|----|----|----|----|----|----|----|---|------|---|----|------|---|---|--------|--------|
|         |          |                            | M                  | F | T  | EX    | A  | B  | C  | D  | P  | F  | FA | I | M    | F | T  | M    | F | T |        |        |
| 1       | EC302    | VLSI Design                | 25                 | 5 | 30 | 0     | 6  | 5  | 9  | 6  | 3  | 1  | 0  | 0 | 24   | 5 | 29 | 1    | 0 | 1 | 96.67  | 3.33   |
| 2       | EC304    | Embedded system            | 25                 | 5 | 30 | 1     | 4  | 6  | 3  | 8  | 5  | 3  | 0  | 0 | 22   | 5 | 27 | 3    | 0 | 3 | 90.00  | 10.00  |
| 3       | EC306    | Industrial Electronics     | 25                 | 5 | 30 | 0     | 5  | 7  | 9  | 7  | 1  | 1  | 0  | 0 | 24   | 5 | 29 | 1    | 0 | 1 | 96.67  | 3.33   |
| 4       | EC308    | Antenna Design             | 25                 | 5 | 30 | 0     | 9  | 9  | 5  | 3  | 2  | 2  | 0  | 0 | 23   | 5 | 28 | 2    | 0 | 2 | 93.33  | 6.67   |
| 5       | EC310    | VHDL                       | 25                 | 5 | 30 | 0     | 0  | 4  | 8  | 6  | 9  | 3  | 0  | 0 | 23   | 4 | 27 | 2    | 1 | 3 | 90.00  | 10.00  |
| 6       | EC332    | VLSI and VHDL Lab          | 25                 | 5 | 30 | 10    | 11 | 3  | 2  | 4  | 0  | 0  | 0  | 0 | 25   | 5 | 30 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7       | EC334    | Embedded system Lab        | 25                 | 5 | 30 | 19    | 7  | 0  | 3  | 1  | 0  | 0  | 0  | 0 | 25   | 5 | 30 | 0    | 0 | 0 | 100.00 | 0.00   |
| 8       | EC336    | Industrial Electronics Lab | 25                 | 5 | 30 | 5     | 22 | 2  | 0  | 1  | 0  | 0  | 0  | 0 | 25   | 5 | 30 | 0    | 0 | 0 | 100.00 | 0.00   |
| 9       | EC338    | Antenna Design Lab         | 25                 | 5 | 30 | 3     | 10 | 13 | 3  | 1  | 0  | 0  | 0  | 0 | 25   | 5 | 30 | 0    | 0 | 0 | 100.00 | 0.00   |
| Total   |          |                            | 30                 |   |    | 38    | 74 | 49 | 42 | 37 | 20 | 10 | 0  | 0 |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 30       | 24   | 6    | 80.00  | 20.00  |

## B.TECH ECE

### VIII SEMESTER OF ELECTRONICS & COMMUNICATION ENGINEERING-2021-2022

| Sr. No. | Sub Code | Subject Name                      | Total App. Student |   |    | Grade |    |    |    |    |    |   |    |   |    | Pass |    |   | Fail |   |        | Pass % | Fail % |
|---------|----------|-----------------------------------|--------------------|---|----|-------|----|----|----|----|----|---|----|---|----|------|----|---|------|---|--------|--------|--------|
|         |          |                                   | M                  | F | T  | EX    | A  | B  | C  | D  | P  | F | FA | I | M  | F    | T  | M | F    | T |        |        |        |
| 1       | EC424    | Industrial Project                | 7                  | 2 | 9  | 1     | 2  | 2  | 4  | 0  | 0  | 0 | 0  | 0 | 7  | 2    | 9  | 0 | 0    | 0 | 100.00 | 0.00   |        |
| 2       | EC426    | Project Seminar                   | 7                  | 2 | 9  | 1     | 3  | 3  | 2  | 0  | 0  | 0 | 0  | 0 | 7  | 2    | 9  | 0 | 0    | 0 | 100.00 | 0.00   |        |
| 3       | EC428    | Comprehensive Viva                | 7                  | 2 | 9  | 0     | 1  | 3  | 3  | 2  | 0  | 0 | 0  | 0 | 7  | 2    | 9  | 0 | 0    | 0 | 100.00 | 0.00   |        |
| 4       | EC432    | Project Work-II                   | 19                 | 6 | 25 | 4     | 6  | 12 | 3  | 0  | 0  | 0 | 0  | 0 | 19 | 6    | 25 | 0 | 0    | 0 | 100.00 | 0.00   |        |
| 5       | EC462    | Wireless and Mobile Communication | 19                 | 6 | 25 | 0     | 0  | 4  | 4  | 7  | 10 | 0 | 0  | 0 | 19 | 6    | 25 | 0 | 0    | 0 | 100.00 | 0.00   |        |
| 6       | EC478    | Radar System Engineering          | 19                 | 6 | 25 | 0     | 4  | 6  | 7  | 5  | 3  | 0 | 0  | 0 | 19 | 6    | 25 | 0 | 0    | 0 | 100.00 | 0.00   |        |
| 7       | EC484    | Semiconductor IC Technology       | 19                 | 6 | 25 | 2     | 6  | 4  | 6  | 3  | 4  | 0 | 0  | 0 | 19 | 6    | 25 | 0 | 0    | 0 | 100.00 | 0.00   |        |
| 8       | HS402    | Professional Ethics               | 19                 | 6 | 25 | 0     | 4  | 7  | 8  | 5  | 1  | 0 | 0  | 0 | 19 | 6    | 25 | 0 | 0    | 0 | 100.00 | 0.00   |        |
|         |          |                                   | Total 25           |   |    | 8     | 26 | 41 | 37 | 22 | 18 | 0 | 0  | 0 |    |      |    |   |      |   |        |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 34       | 34   | 0    | 100.00 | 0.00   |

## M.TECH ECE

### IV SEMESTER OF COMMUNICATION AND SIGNAL PROCESSING-2023-2024

| Sr. No. | Sub Code | Subject Name | Total App. Student |   |   | Grade |   |   |   |   |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|--------------|--------------------|---|---|-------|---|---|---|---|---|---|----|------|---|---|------|---|---|--------|--------|
|         |          |              | M                  | F | T | EX    | A | B | C | D | P | F | FA | I    | M | F | T    | M | F |        |        |
| 1       | EC622    | Project-II   | 0                  | 1 | 1 | 1     | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 1 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
|         |          |              | Total              | 1 |   | 1     | 0 | 0 | 0 | 0 | 0 | 0 | 0  |      |   |   |      |   |   |        |        |

*M- Male Student, F-Female Student, T- Total Student*

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

## M.TECH ECE

### IV SEMESTER OF COMMUNICATION AND SIGNAL PROCESSING-2023-2024

| Sr. No. | Sub Code | Subject Name                   | Total App. Student | Grade |   |    |   |   |   |   |   |   | Pass | Fail | Pass % | Fail % |   |   |   |   |        |      |
|---------|----------|--------------------------------|--------------------|-------|---|----|---|---|---|---|---|---|------|------|--------|--------|---|---|---|---|--------|------|
|         |          |                                | M                  | F     | T | EX | A | B | C | D | P | F | FA   | I    |        |        | M | F | T | M | F      | T    |
| 1       | EC504    | Advanced Digital Communication | C                  | 1     | 1 | 0  | 0 | 1 | 0 | 0 | 0 | 0 | 0    | 0    | 0      | 1      | 1 | 0 | 0 | 0 | 100.00 | 0.00 |
| 2       | EC506    | Advanced Microwave Engineering | C                  | 1     | 1 | 0  | 0 | 0 | 1 | 0 | 0 | 0 | 0    | 0    | 0      | 1      | 1 | 0 | 0 | 0 | 100.00 | 0.00 |
|         |          |                                | Total              | 1     | 0 | 0  | 1 | 1 | 0 | 0 | 0 | 0 | 0    |      |        |        |   |   |   |   |        |      |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

M.TECH ECE(p)

II SEMESTER OF VLSI & EMBEDDED SYSTEM-2024-2025

| Sr. No. | Sub Code | Subject Name                | Total App. Student |   |   | Grade |   |   |   |   |   |   |    |   | Pass |   |   | Fail |   |   | Pass % | Fail % |      |
|---------|----------|-----------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|---|------|---|---|------|---|---|--------|--------|------|
|         |          |                             | M                  | F | T | EX    | A | B | C | D | P | F | FA | I | M    | F | T | M    | F | T |        |        |      |
| 1       | VL502    | Semiconductor IC Technology | 0                  | 1 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0    | 1 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |      |
| 2       | VL504    | Low Power VLSI              | 0                  | 1 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 0    | 0 | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
| 3       | VL506    | Real Time Operating System  | 0                  | 1 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0    | 0 | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
| 4       | VL512    | VLSI and Embedded Lab-II    | 0                  | 1 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 0    | 0 | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
| 5       | VL536    | CPLD & FPGA Architecture    | 0                  | 1 | 1 | 0     | 0 | 0 | 0 | 1 | 0 | 0 | 0  | 0 | 0    | 0 | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
|         |          |                             | Total              | 1 |   | 0     | 3 | 1 | 0 | 1 | 0 | 0 | 0  | 0 |      |   |   |      |   |   |        |        |      |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

## M.TECH ECE

### IV SEMESTER OF VLSI & EMBEDDED SYSTEM-2023-2024

| Sr. No. | Sub Code | Subject Name | Total App. Student | Grade |   |   |    |   |   |   |   |   |   | Pass |   |   | Fail |   |        | Pass % | Fail % |
|---------|----------|--------------|--------------------|-------|---|---|----|---|---|---|---|---|---|------|---|---|------|---|--------|--------|--------|
|         |          |              |                    | M     | F | T | EX | A | B | C | D | P | F | FA   | I | M | F    | T | M      |        |        |
| 1       | VL622    | Project II   | 011                | 1     | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 | 0 | 1    | 1 | 0 | 0    | 0 | 100.00 | 0.00   |        |
|         |          |              | Total1             | 1     | 0 | 0 | 0  | 0 | 0 | 0 | 0 | 0 |   |      |   |   |      |   |        |        |        |

*M- Male Student, F-Female Student, T- Total Student*

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

Ph.D. ECE

I SEMESTER OF ELECTRONICS & COMMUNICATION ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                   | Total App. Student |   |   | Grade |   |   |   |   |   |   |    |   | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|--------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|---|------|---|---|------|---|---|--------|--------|
|         |          |                                | M                  | F | T | EX    | A | B | C | D | P | F | FA | I | M    | F | T | M    | F | T |        |        |
| 1       | EC501    | Advanced Antenna Design        | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | EC504    | Advanced Digital Communication | 1                  | 0 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | EC506    | Advanced Microwave Engineering | 1                  | 0 | 1 | 0     | 0 | 0 | 1 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | EC564    | Radar Engineering              | 1                  | 0 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| Total   |          |                                | 1                  |   |   | 0     | 1 | 2 | 1 | 0 | 0 | 0 | 0  | 0 |      |   |   |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

## B.TECH EE

### IV SEMESTER OF ELECTRICAL ENGINEERING-2023-2024

| Sr. No. | Sub Code | Subject Name                                  | Total App. Student |    |    | Grade |    |    |    |    |    |    |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|-----------------------------------------------|--------------------|----|----|-------|----|----|----|----|----|----|----|---|------|---|----|------|---|---|--------|--------|
|         |          |                                               | M                  | F  | T  | EX    | A  | B  | C  | D  | P  | F  | FA | I | M    | F | T  | M    | F | T |        |        |
| 1       | EE202    | Digital Electronics and Computer Architecture | 28                 | 7  | 35 | 2     | 9  | 15 | 7  | 1  | 1  | 0  | 0  | 0 | 28   | 7 | 35 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | EE204    | Electrical Machine-I                          | 28                 | 7  | 35 | 1     | 5  | 6  | 9  | 6  | 7  | 1  | 0  | 0 | 27   | 7 | 34 | 1    | 0 | 1 | 97.14  | 2.86   |
| 3       | EE206    | Measurement and Instrumentation               | 28                 | 7  | 35 | 0     | 2  | 12 | 7  | 10 | 3  | 1  | 0  | 0 | 27   | 7 | 34 | 1    | 0 | 1 | 97.14  | 2.86   |
| 4       | EE208    | Signals and Systems                           | 28                 | 7  | 35 | 1     | 4  | 6  | 10 | 5  | 5  | 4  | 0  | 0 | 24   | 7 | 31 | 4    | 0 | 4 | 88.57  | 11.43  |
| 5       | EE232    | Digital Electronics Laboratory                | 28                 | 7  | 35 | 15    | 12 | 8  | 0  | 0  | 0  | 0  | 0  | 0 | 28   | 7 | 35 | 0    | 0 | 0 | 100.00 | 0.00   |
| 6       | EE234    | Electrical Machine-I Laboratory               | 28                 | 7  | 35 | 23    | 9  | 3  | 0  | 0  | 0  | 0  | 0  | 0 | 28   | 7 | 35 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7       | EE236    | Measurement and Instrumentation Laboratory    | 28                 | 7  | 35 | 1     | 13 | 11 | 8  | 2  | 0  | 0  | 0  | 0 | 28   | 7 | 35 | 0    | 0 | 0 | 100.00 | 0.00   |
| 8       | MA204    | Numerical Methods                             | 28                 | 7  | 35 | 1     | 4  | 8  | 10 | 3  | 5  | 4  | 0  | 0 | 25   | 6 | 31 | 3    | 1 | 4 | 88.57  | 11.43  |
|         |          |                                               | <b>Total</b>       | 35 |    | 44    | 58 | 69 | 51 | 27 | 21 | 10 | 0  | 0 |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 35       | 29   | 6    | 82.86  | 17.14  |

## B.TECH EE

### VI SEMESTER OF ELECTRICAL ENGINEERING-2022-2023

| Sr. No. | Sub Code | Subject Name                    | Total App. Student |   |    | Grade |    |    |    |    |    |    |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|---------------------------------|--------------------|---|----|-------|----|----|----|----|----|----|----|---|------|---|----|------|---|---|--------|--------|
|         |          |                                 | M                  | F | T  | EX    | A  | B  | C  | D  | P  | F  | FA | I | M    | F | T  | M    | F | T |        |        |
| 1       | EE302    | Microprocessor and Applications | 22                 | 6 | 28 | 2     | 4  | 6  | 9  | 6  | 1  | 0  | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | EE304    | Power System Protection         | 22                 | 6 | 28 | 5     | 6  | 8  | 2  | 3  | 3  | 1  | 0  | 0 | 21   | 6 | 27 | 1    | 0 | 1 | 96.43  | 3.57   |
| 3       | EE306    | Advanced Control System         | 22                 | 6 | 28 | 0     | 1  | 4  | 2  | 7  | 8  | 6  | 0  | 0 | 17   | 5 | 22 | 5    | 1 | 6 | 78.57  | 21.43  |
| 4       | EE308    | Renewable Energy Resources      | 22                 | 6 | 28 | 1     | 7  | 7  | 7  | 5  | 1  | 0  | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | EE310    | Communication System            | 22                 | 6 | 28 | 1     | 2  | 7  | 3  | 8  | 3  | 4  | 0  | 0 | 18   | 6 | 24 | 4    | 0 | 4 | 85.71  | 14.29  |
| 6       | EE332    | Microprocessor Laboratory       | 22                 | 6 | 28 | 3     | 16 | 9  | 0  | 0  | 0  | 0  | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7       | EE334    | Power System Laboratory         | 22                 | 6 | 28 | 13    | 10 | 2  | 3  | 0  | 0  | 0  | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 8       | EE336    | Control System Laboratory       | 22                 | 6 | 28 | 8     | 15 | 3  | 1  | 1  | 0  | 0  | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
|         |          |                                 | Total              |   |    | 28    | 33 | 61 | 46 | 27 | 30 | 16 | 11 | 0 | 0    |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 28       | 22   | 6    | 78.57  | 21.43  |

## B.TECH EE

### VIII SEMESTER OF ELECTRICAL ENGINEERING-2021-2022

| Sr. No.      | Sub Code | Subject Name                                     | Total App. Student |   |    | Grade |    |    |    |    |    |   |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|--------------|----------|--------------------------------------------------|--------------------|---|----|-------|----|----|----|----|----|---|----|---|------|---|----|------|---|---|--------|--------|
|              |          |                                                  | M                  | F | T  | EX    | A  | B  | C  | D  | P  | F | FA | I | M    | F | T  | M    | F | T |        |        |
| 1            | EE402    | Power System Operation and Control               | 20                 | 4 | 24 | 3     | 6  | 6  | 5  | 3  | 1  | 0 | 0  | 0 | 20   | 4 | 24 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2            | EE422    | Project-II                                       | 20                 | 4 | 24 | 8     | 14 | 2  | 0  | 0  | 0  | 0 | 0  | 0 | 20   | 4 | 24 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3            | EE424    | Industrial Project                               | 6                  | 1 | 7  | 2     | 2  | 3  | 0  | 0  | 0  | 0 | 0  | 0 | 6    | 1 | 7  | 0    | 0 | 0 | 100.00 | 0.00   |
| 4            | EE426    | Project Seminar                                  | 6                  | 1 | 7  | 1     | 3  | 3  | 0  | 0  | 0  | 0 | 0  | 0 | 6    | 1 | 7  | 0    | 0 | 0 | 100.00 | 0.00   |
| 5            | EE428    | COMPREHENSIVE VIVA                               | 6                  | 1 | 7  | 1     | 3  | 3  | 0  | 0  | 0  | 0 | 0  | 0 | 6    | 1 | 7  | 0    | 0 | 0 | 100.00 | 0.00   |
| 6            | EE452    | Surge and Lightning protection and Safety Device | 20                 | 4 | 24 | 2     | 7  | 9  | 5  | 1  | 0  | 0 | 0  | 0 | 20   | 4 | 24 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7            | EE472    | Energy Storage Systems                           | 20                 | 4 | 24 | 0     | 1  | 1  | 7  | 7  | 8  | 0 | 0  | 0 | 20   | 4 | 24 | 0    | 0 | 0 | 100.00 | 0.00   |
| 8            | HS404    | Professional Ethics                              | 20                 | 4 | 24 | 0     | 2  | 4  | 11 | 5  | 2  | 0 | 0  | 0 | 20   | 4 | 24 | 0    | 0 | 0 | 100.00 | 0.00   |
| <b>Total</b> |          |                                                  | 24                 |   |    | 17    | 38 | 31 | 28 | 16 | 11 | 0 | 0  | 0 |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 31       | 31   | 0    | 100.00 | 0.00   |

## B.TECH EE

### VII SEMESTER OF ELECTRICAL ENGINEERING

| Course Code |              | EE401 | EE403 | EE465 | EE477 | EE431 | EE421 | EE4901 | EE5260 | EE6260 |       |       |       |       | SPI  | CPI  | Result |
|-------------|--------------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|------|------|--------|
| Credits     |              | 6     | 6     | 6     | 6     | 3     | 6     | 9      | 9      | 9      |       |       |       |       |      |      |        |
| Enroll No   | Student Name | GRADE | GRADE | GRADE | GRADE | GRADE | GRADE | GRADE  | GRADE  | GRADE  | GRADE | GRADE | GRADE | GRADE |      |      |        |
| 21104023    | Gaurav kumar |       |       |       |       |       |       | A      | D      | B      |       |       |       |       | 7.67 | 8.63 | PASS   |

EE401 High Voltage engineering

EE477 Computer Methods in Power Systems(Elective-II)

EE4901 Mini Project-I

EE403 Power System Analysis

EE431 Renewable Energy Laboratory

EE5260 Power Quality

EE465 Introduction to DSP (Elective-I)

EE421 Project-I

EE6260 Digital Simulation of Power System







# INDIAN INSTITUTE OF TECHNOLOGY MADRAS

## GRADE CARD

(Issued to students admitted under semester exchange programme)

Roll No: EE24E007 Name: GAURAV KUMAR  
Department: Electrical Engineering



| Term No                  | Course | Title                               | Credit | Grade | Attendance | Year Of Passing |
|--------------------------|--------|-------------------------------------|--------|-------|------------|-----------------|
| 07                       | EE6260 | Digital Simulation of Power Systems | 9      | B     | VG         | 2024            |
| 07                       | EE4901 | Mini Project 1                      | 9      | A     | VG         | 2024            |
| 07                       | EE5260 | Power Quality                       | 9      | D     | VG         | 2024            |
| *** End of Statement *** |        |                                     |        |       |            |                 |
| Total Credits: 27        |        |                                     |        |       |            |                 |

♦ Transfer credits are not included in Earned Credits and not considered for CGPA calculation. Transfer credits + Earned Credits should meet the Total Credit requirement.  
Cumulative grade point average secured considering only the successfully completed courses(credits) is **7.67**

Assistant / Deputy Joint Registrar (Academic Courses)

Date :

30 JAN 2025

where

$$CGPA = \frac{\sum_i (C_i \times GP)}{\sum_i C_i}$$

$C_i$  is the credit of the Course

GP is the Grade Point for that Course and

$\sum_i$  is the sum over all registered courses  
successfully cleared during all the semesters.

Note:

- 1) These credits earned do not entitle the above mentioned student to claim admission to any programme of IIT Madras.
- 2) English is the medium of instruction at this Institute.
- 3) Grades 'S' to 'E' indicate successful completion of course.
- 4) The Senate has approved the formula for converting CGPA into percentage.

$$PERCENTAGE = CGPA \text{ multiplied by the factor of } 10 (CGPA \times 10)$$

| Attendance Code         |           |      |
|-------------------------|-----------|------|
| Attendance Rounded to % | Remarks   | Code |
| $\geq 95\%$             | Very Good | VG   |
| 80 – 94 %               | Good      | G    |
| 75 – 79 %               | Marginal  | M    |
| $< 75\%$                | Poor      | P    |

| Grade Codes |        |
|-------------|--------|
| Code        | Points |
| S           | 10     |
| A           | 9      |
| B           | 8      |
| C           | 7      |
| D           | 6      |
| E           | 4      |
| U           | 0      |

## M.TECH EE

### II SEMESTER OF POWER & CONTROL SYSTEM (EE)-2024-2025

| Sr. No. | Sub Code | Subject Name                          | Total App. Student |   |   | Grade |   |   |   |   |   |   |    |   | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|---------------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|---|------|---|---|------|---|---|--------|--------|
|         |          |                                       | M                  | F | T | EX    | A | B | C | D | P | F | FA | I | M    | F | T | M    | F | T |        |        |
| 1       | EE502    | Optimal and Adaptive Control          | 4                  | 1 | 5 | 1     | 2 | 0 | 1 | 1 | 0 | 0 | 0  | 0 | 4    | 1 | 5 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | EE504    | Digital Control                       | 4                  | 1 | 5 | 0     | 0 | 1 | 2 | 1 | 1 | 0 | 0  | 0 | 4    | 1 | 5 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | EE506    | Advanced Power System Protection      | 4                  | 1 | 5 | 1     | 3 | 0 | 1 | 0 | 0 | 0 | 0  | 0 | 4    | 1 | 5 | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | EE508    | Power System Transients               | 4                  | 1 | 5 | 2     | 1 | 1 | 0 | 1 | 0 | 0 | 0  | 0 | 4    | 1 | 5 | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | EE532    | Advanced Power and Control Lab        | 4                  | 1 | 5 | 3     | 2 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 4    | 1 | 5 | 0    | 0 | 0 | 100.00 | 0.00   |
| 6       | EE580    | Advanced Electric Traction and Drives | 4                  | 1 | 5 | 1     | 1 | 1 | 0 | 1 | 1 | 0 | 0  | 0 | 4    | 1 | 5 | 0    | 0 | 0 | 100.00 | 0.00   |
|         |          |                                       | Total 5            |   |   | 8     | 9 | 3 | 4 | 4 | 2 | 0 | 0  | 0 |      |   |   |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 5        | 5    | 0    | 100.00 | 0.00   |

## M.TECH EE

### IV SEMESTER OF POWER & CONTROL SYSTEM(EE)-2023-2024

| Sr. No. | Sub Code | Subject Name | Total App. Student |   |   | Grade |   |   |   |   |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |      |  |
|---------|----------|--------------|--------------------|---|---|-------|---|---|---|---|---|---|----|------|---|---|------|---|---|--------|--------|------|--|
|         |          |              | M                  | F | T | EX    | A | B | C | D | P | F | FA | I    | M | F | T    | M | F |        |        | T    |  |
| 1       | EE622    | PROJECT-II   | 3                  | 1 | 4 | 3     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0    | 3 | 1 | 4    | 0 | 0 | 0      | 100.00 | 0.00 |  |
|         |          |              | Total              |   | 4 | 3     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0    |   |   |      |   |   |        |        |      |  |

*M- Male Student, F-Female Student, T- Total Student*

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 4        | 4    | 0    | 100.00 | 0.00   |

Ph.D. EE

I SEMESTER OF ELECTRICAL ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                                 | Total App. Student |   |   | Grade |   |   |   |   |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |      |
|---------|----------|----------------------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|------|---|---|------|---|---|--------|--------|------|
|         |          |                                              | M                  | F | T | EX    | A | B | C | D | P | F | FA | I    | M | F | T    | M | F |        |        | T    |
| 1       | EE479    | Power Quality                                | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 1 | 0 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
| 2       | EE571    | DESIGN AND TESTING OF HIGH VOLTAGE APPARATUS | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 1 | 0 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
| 3       | EE575    | Economic Operation of Power Systems          | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 1 | 0 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
|         |          |                                              | Total              | 1 |   | 0     | 3 | 0 | 0 | 0 | 0 | 0 | 0  | 0    |   |   |      |   |   |        |        |      |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

## B.TECH FIRST –GROUP 1

### II SEMESTER OF FIRST YEAR(SECTION-I)-2024-2025

| Sr. No. | Sub Code | Subject Name                 | Total App. Student |    |    | Grade |    |    |    |    |    |    |    |   | Pass |    |    | Fail |   |    | Pass % | Fail % |  |
|---------|----------|------------------------------|--------------------|----|----|-------|----|----|----|----|----|----|----|---|------|----|----|------|---|----|--------|--------|--|
|         |          |                              | M                  | F  | T  | EX    | A  | B  | C  | D  | P  | F  | FA | I | M    | F  | T  | M    | F | T  |        |        |  |
| 1       | CH 1101  | Engineering Chemistry        | 47                 | 15 | 62 | 0     | 3  | 9  | 17 | 19 | 6  | 5  | 0  | 0 | 43   | 14 | 57 | 4    | 1 | 5  | 91.94  | 8.06   |  |
| 2       | HS 1101  | Communication Skills         | 47                 | 15 | 62 | 2     | 15 | 26 | 10 | 7  | 1  | 1  | 0  | 0 | 46   | 15 | 61 | 1    | 0 | 1  | 98.39  | 1.61   |  |
| 3       | IC 1191  | Induction Programme          | 47                 | 15 | 62 | 0     | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 47   | 15 | 62 | 0    | 0 | 0  | 100.00 | 0.00   |  |
| 4       | IC 1291  | Extra Academic Activity - II | 47                 | 15 | 62 | 0     | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0 | 47   | 15 | 62 | 0    | 0 | 0  | 100.00 | 0.00   |  |
| 5       | MA 1201  | Engineering Mathematics - II | 47                 | 15 | 62 | 1     | 4  | 4  | 9  | 9  | 11 | 24 | 0  | 0 | 27   | 11 | 38 | 20   | 4 | 24 | 61.29  | 38.71  |  |
| 6       | ME 1101  | Engineering Mechanics        | 47                 | 15 | 62 | 0     | 4  | 6  | 12 | 11 | 23 | 6  | 0  | 0 | 42   | 14 | 56 | 5    | 1 | 6  | 90.32  | 9.68   |  |
| 7       | ME 1149  | Engineering Drawing          | 47                 | 15 | 62 | 2     | 28 | 23 | 1  | 0  | 0  | 1  | 0  | 0 | 46   | 15 | 61 | 1    | 0 | 1  | 98.39  | 1.61   |  |
| 8       | PH 1101  | Engineering Physics          | 47                 | 15 | 62 | 0     | 1  | 11 | 16 | 24 | 4  | 2  | 0  | 0 | 46   | 14 | 60 | 1    | 1 | 2  | 96.77  | 3.23   |  |
|         |          |                              | Total 62           |    |    | 5     | 55 | 79 | 65 | 70 | 45 | 39 | 0  | 0 |      |    |    |      |   |    |        |        |  |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 62       | 32   | 30   | 51.61  | 48.39  |

## B.TECH FIRST –GROUP 2

### II SEMESTER OF FIRST YEAR(SECTION-II)-2024-2025

| Sr. No. | Sub Code | Subject Name                 | Total App. Student |    |    | Grade |    |     |    |    |    |    |    | Pass |    |    | Fail |    |   | Pass % | Fail % |       |  |
|---------|----------|------------------------------|--------------------|----|----|-------|----|-----|----|----|----|----|----|------|----|----|------|----|---|--------|--------|-------|--|
|         |          |                              | M                  | F  | T  | EX    | A  | B   | C  | D  | P  | F  | FA | I    | M  | F  | T    | M  | F |        |        | T     |  |
| 1       | CH 1101  | Engineering Chemistry        | 52                 | 14 | 66 | 4     | 13 | 19  | 12 | 10 | 4  | 2  | 0  | 0    | 50 | 14 | 64   | 2  | 0 | 2      | 96.97  | 3.03  |  |
| 2       | HS 1101  | Communication Skills         | 52                 | 14 | 66 | 1     | 12 | 26  | 20 | 5  | 1  | 1  | 0  | 0    | 51 | 14 | 65   | 1  | 0 | 1      | 98.48  | 1.52  |  |
| 3       | IC 1191  | Induction Programme          | 52                 | 14 | 66 | 0     | 0  | 0   | 0  | 0  | 0  | 0  | 0  | 0    | 52 | 14 | 66   | 0  | 0 | 0      | 100.00 | 0.00  |  |
| 4       | IC 1291  | Extra Academic Activity - II | 52                 | 14 | 66 | 0     | 0  | 0   | 0  | 0  | 0  | 0  | 0  | 0    | 52 | 14 | 66   | 0  | 0 | 0      | 100.00 | 0.00  |  |
| 5       | MA 1201  | Engineering Mathematics - II | 52                 | 14 | 66 | 1     | 3  | 10  | 5  | 11 | 9  | 27 | 0  | 0    | 34 | 5  | 39   | 18 | 9 | 27     | 59.09  | 40.91 |  |
| 6       | ME 1101  | Engineering Mechanics        | 52                 | 14 | 66 | 2     | 5  | 9   | 14 | 8  | 22 | 6  | 0  | 0    | 48 | 12 | 60   | 4  | 2 | 6      | 90.91  | 9.09  |  |
| 7       | ME 1149  | Engineering Drawing          | 52                 | 14 | 66 | 6     | 23 | 23  | 5  | 0  | 0  | 1  | 0  | 0    | 51 | 14 | 65   | 1  | 0 | 1      | 98.48  | 1.52  |  |
| 8       | PH 1101  | Engineering Physics          | 52                 | 14 | 66 | 1     | 2  | 13  | 16 | 18 | 4  | 7  | 0  | 0    | 46 | 13 | 59   | 6  | 1 | 7      | 89.39  | 10.61 |  |
|         |          |                              | Total 66           |    |    | 15    | 58 | 100 | 72 | 52 | 40 | 44 | 0  | 0    |    |    |      |    |   |        |        |       |  |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 66       | 37   | 29   | 56.06  | 43.94  |

## B.TECH FIRST –GROUP 3

### II SEMESTER OF FIRST YEAR(SECTION-III)-2024-2025

| Sr. No. | Sub Code | Subject Name                 | Total App. Student |    |    | Grade |    |    |    |    |    |    |    | Pass |    |    | Fail |    |   | Pass % | Fail % |       |
|---------|----------|------------------------------|--------------------|----|----|-------|----|----|----|----|----|----|----|------|----|----|------|----|---|--------|--------|-------|
|         |          |                              | M                  | F  | T  | EX    | A  | B  | C  | D  | P  | F  | FA | I    | M  | F  | T    | M  | F |        |        | T     |
| 1       | CE 1201  | Environmental Sustainability | 54                 | 15 | 69 | 1     | 4  | 8  | 11 | 19 | 23 | 3  | 0  | 0    | 52 | 14 | 66   | 2  | 1 | 3      | 95.65  | 4.35  |
| 2       | CS 1201  | Introduction to Computing    | 54                 | 15 | 69 | 12    | 14 | 14 | 11 | 10 | 1  | 2  | 0  | 0    | 53 | 14 | 67   | 1  | 1 | 2      | 97.10  | 2.90  |
| 3       | EC 1201  | Basic Electronic Circuits    | 54                 | 15 | 69 | 0     | 7  | 22 | 24 | 12 | 0  | 2  | 0  | 0    | 53 | 14 | 67   | 1  | 1 | 2      | 97.10  | 2.90  |
| 4       | EE 1201  | Basic Electrical Engineering | 54                 | 15 | 69 | 1     | 7  | 13 | 20 | 14 | 2  | 4  | 0  | 0    | 52 | 13 | 65   | 2  | 2 | 4      | 94.20  | 5.80  |
| 5       | IC 1291  | Extra Academic Activity - II | 54                 | 15 | 69 | 0     | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | 54 | 15 | 69   | 0  | 0 | 0      | 100.00 | 0.00  |
| 6       | MA 1201  | Engineering Mathematics - II | 54                 | 15 | 69 | 3     | 1  | 8  | 11 | 13 | 11 | 22 | 0  | 0    | 37 | 10 | 47   | 17 | 5 | 22     | 68.12  | 31.88 |
| 7       | ME 1249  | Engineering Workshop         | 54                 | 15 | 69 | 8     | 54 | 5  | 0  | 0  | 0  | 2  | 0  | 0    | 53 | 14 | 67   | 1  | 1 | 2      | 97.10  | 2.90  |
|         |          |                              | Total 69           |    |    | 25    | 87 | 70 | 77 | 68 | 37 | 35 | 0  | 0    |    |    |      |    |   |        |        |       |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 69       | 45   | 24   | 65.22  | 34.78  |

## B.TECH ME

### IV SEMESTER OF MECHANICAL ENGINEERING-2023-2024

| Sr. No. | Sub Code | Subject Name                          | Total App. Student |   |    | Grade |    |    |    |    |    |   |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|---------------------------------------|--------------------|---|----|-------|----|----|----|----|----|---|----|---|------|---|----|------|---|---|--------|--------|
|         |          |                                       | M                  | F | T  | EX    | A  | B  | C  | D  | P  | F | FA | I | M    | F | T  | M    | F | T |        |        |
| 1       | MA204    | Numerical Methods                     | 22                 | 6 | 28 | 1     | 1  | 8  | 4  | 8  | 2  | 4 | 0  | 0 | 18   | 6 | 24 | 4    | 0 | 4 | 85.71  | 14.29  |
| 2       | ME202    | Mechanical Measurements and Metrology | 22                 | 6 | 28 | 10    | 16 | 2  | 0  | 0  | 0  | 0 | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | ME204    | Kinematics of Machinery               | 22                 | 6 | 28 | 0     | 2  | 3  | 8  | 8  | 5  | 2 | 0  | 0 | 21   | 5 | 26 | 1    | 1 | 2 | 92.86  | 7.14   |
| 4       | ME206    | Turbomachines                         | 22                 | 6 | 28 | 9     | 9  | 9  | 0  | 1  | 0  | 0 | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | ME208    | Manufacturing Technology I            | 22                 | 6 | 28 | 1     | 4  | 5  | 4  | 6  | 7  | 1 | 0  | 0 | 21   | 6 | 27 | 1    | 0 | 1 | 96.43  | 3.57   |
| 6       | ME232    | Measurements and Metrology Lab        | 22                 | 6 | 28 | 6     | 15 | 7  | 0  | 0  | 0  | 0 | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7       | ME234    | Manufacturing Technology Lab I        | 22                 | 6 | 28 | 1     | 20 | 7  | 0  | 0  | 0  | 0 | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| 8       | ME236    | Fluid Mechanics & Turbomachinery Lab  | 22                 | 6 | 28 | 16    | 10 | 2  | 0  | 0  | 0  | 0 | 0  | 0 | 22   | 6 | 28 | 0    | 0 | 0 | 100.00 | 0.00   |
| Total   |          |                                       | 28                 |   |    | 44    | 77 | 43 | 16 | 23 | 14 | 7 | 0  | 0 |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 28       | 23   | 5    | 82.14  | 17.86  |

## B.TECH ME

### VI SEMESTER OF MECHANICAL ENGINEERING-2022-2023

| Sr. No. | Sub Code | Subject Name                     | Total App. Student |   |    | Grade |    |    |    |    |   |   |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|----------------------------------|--------------------|---|----|-------|----|----|----|----|---|---|----|---|------|---|----|------|---|---|--------|--------|
|         |          |                                  | M                  | F | T  | EX    | A  | B  | C  | D  | P | F | FA | I | M    | F | T  | M    | F | T |        |        |
| 1       | ME302    | Mechatronics                     | 22                 | 7 | 29 | 1     | 13 | 7  | 6  | 2  | 0 | 0 | 0  | 0 | 22   | 7 | 29 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | ME304    | Automobile Engineering           | 22                 | 7 | 29 | 2     | 9  | 8  | 4  | 3  | 3 | 0 | 0  | 0 | 22   | 7 | 29 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | ME306    | Refrigeration & Air Conditioning | 22                 | 7 | 29 | 0     | 1  | 9  | 5  | 9  | 5 | 0 | 0  | 0 | 22   | 7 | 29 | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | ME308    | Thermal Engineering II           | 22                 | 7 | 29 | 9     | 8  | 5  | 2  | 3  | 1 | 1 | 0  | 0 | 21   | 7 | 28 | 1    | 0 | 1 | 96.55  | 3.45   |
| 5       | ME310    | Design of Machine Elements II    | 22                 | 7 | 29 | 3     | 12 | 9  | 2  | 3  | 0 | 0 | 0  | 0 | 22   | 7 | 29 | 0    | 0 | 0 | 100.00 | 0.00   |
| 6       | ME332    | Mechatronics Lab                 | 22                 | 7 | 29 | 1     | 15 | 8  | 5  | 0  | 0 | 0 | 0  | 0 | 22   | 7 | 29 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7       | ME334    | Automobile Engineering Lab       | 22                 | 7 | 29 | 2     | 10 | 9  | 8  | 0  | 0 | 0 | 0  | 0 | 22   | 7 | 29 | 0    | 0 | 0 | 100.00 | 0.00   |
| 8       | ME336    | Thermal Engineering Lab          | 22                 | 7 | 29 | 7     | 9  | 11 | 2  | 0  | 0 | 0 | 0  | 0 | 22   | 7 | 29 | 0    | 0 | 0 | 100.00 | 0.00   |
| Total   |          |                                  | 29                 |   |    | 25    | 77 | 66 | 34 | 20 | 9 | 1 | 0  | 0 |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 29       | 28   | 1    | 96.55  | 3.45   |

## B.TECH ME

### VIII SEMESTER OF MECHANICAL ENGINEERING-2021-2022

| Sr. No. | Sub Code | Subject Name                     | Total App. Student |   |    | Grade |    |    |    |    |    |   |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|----------------------------------|--------------------|---|----|-------|----|----|----|----|----|---|----|---|------|---|----|------|---|---|--------|--------|
|         |          |                                  | M                  | F | T  | EX    | A  | B  | C  | D  | P  | F | FA | I | M    | F | T  | M    | F | T |        |        |
| 1       | HS402    | Management Principles & Concepts | 22                 | 3 | 25 | 0     | 0  | 5  | 11 | 4  | 4  | 1 | 0  | 0 | 21   | 3 | 24 | 1    | 0 | 1 | 96.00  | 4.00   |
| 2       | ME422    | Project Work-II                  | 22                 | 3 | 25 | 1     | 6  | 15 | 3  | 0  | 0  | 0 | 0  | 0 | 22   | 3 | 25 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | ME424    | Industrial Project               | 1                  | 1 | 2  | 0     | 0  | 1  | 1  | 0  | 0  | 0 | 0  | 0 | 1    | 1 | 2  | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | ME426    | Project Work-II                  | 1                  | 1 | 2  | 0     | 0  | 2  | 0  | 0  | 0  | 0 | 0  | 0 | 1    | 1 | 2  | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | ME428    | Comprehensive Viva               | 1                  | 1 | 2  | 0     | 0  | 0  | 2  | 0  | 0  | 0 | 0  | 0 | 1    | 1 | 2  | 0    | 0 | 0 | 100.00 | 0.00   |
| 6       | ME454    | Renewable Energy Engineering     | 22                 | 3 | 25 | 1     | 6  | 10 | 5  | 2  | 1  | 0 | 0  | 0 | 22   | 3 | 25 | 0    | 0 | 0 | 100.00 | 0.00   |
| 7       | ME458    | Non-Traditional Machining        | 22                 | 3 | 25 | 1     | 3  | 8  | 6  | 3  | 4  | 0 | 0  | 0 | 22   | 3 | 25 | 0    | 0 | 0 | 100.00 | 0.00   |
| 8       | ME470    | Industrial Quality Management    | 22                 | 3 | 25 | 0     | 8  | 11 | 3  | 1  | 1  | 1 | 0  | 0 | 21   | 3 | 24 | 1    | 0 | 1 | 96.00  | 4.00   |
| Total   |          |                                  | 25                 |   |    | 3     | 23 | 52 | 31 | 10 | 10 | 2 | 0  | 0 |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 27       | 25   | 2    | 92.59  | 7.41   |

## M.TECH ME

### II SEMESTER OF THERMAL AND FLUIDS ENGINEERING-2024-2025

| Sr. No. | Sub Code | Subject Name                        | Total App. Student |   |   | Grade |   |   |   |   |   |   |    |   | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|-------------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|---|------|---|---|------|---|---|--------|--------|
|         |          |                                     | M                  | F | T | EX    | A | B | C | D | P | F | FA | I | M    | F | T | M    | F | T |        |        |
| 1       | ME506    | Convective Heat Transfer            | 1                  | 0 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | ME508    | Advanced IC Engines                 | 1                  | 0 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | ME532    | Computational Laboratory            | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | ME544    | Seminar                             | 1                  | 0 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 5       | ME556    | Optimization Methods in Engineering | 1                  | 0 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| 6       | ME568    | Steam and Gas Turbines              | 1                  | 0 | 1 | 0     | 0 | 0 | 1 | 0 | 0 | 0 | 0  | 0 | 1    | 0 | 1 | 0    | 0 | 0 | 100.00 | 0.00   |
| Total   |          |                                     | 1                  |   |   | 0     | 1 | 4 | 1 | 0 | 0 | 0 | 0  | 0 |      |   |   |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

## M.TECH ME

### IV SEMESTER OF THERMAL AND FLUIDS ENGINEERING-2023-2024

| Sr. No. | Sub Code | Subject Name               | Total App. Student | Grade |   |   |    |   |   |   |   |   | Pass |    |   | Fail |   |   | Pass % | Fail % |      |
|---------|----------|----------------------------|--------------------|-------|---|---|----|---|---|---|---|---|------|----|---|------|---|---|--------|--------|------|
|         |          |                            |                    | M     | F | T | EX | A | B | C | D | P | F    | FA | I | M    | F | T |        |        | M    |
| 1       | ME622    | Dissertation Preliminaries | 2                  | 0     | 2 | 2 | 0  | 2 | 0 | 0 | 0 | 0 | 0    | 2  | 0 | 2    | 0 | 0 | 0      | 100.00 | 0.00 |
|         |          |                            | Total              | 2     | 0 | 2 | 0  | 0 | 0 | 0 | 0 | 0 | 0    |    |   |      |   |   |        |        |      |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 2        | 2    | 0    | 100.00 | 0.00   |

Ph.D. ME

I SEMESTER OF Mechanical Engineering-2024-2025

| Sr. No. | Sub Code | Subject Name           | Total App. Student |   |   | Grade |   |   |   |   |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |      |
|---------|----------|------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|------|---|---|------|---|---|--------|--------|------|
|         |          |                        | M                  | F | T | EX    | A | B | C | D | P | F | FA | I    | M | F | T    | M | F |        |        | T    |
| 1       | HS701    | Research Methodology   | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 1 | 0 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
| 2       | ME566    | Advanced Turbomachines | 1                  | 0 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 1 | 0 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
| 3       | ME568    | Steam and Gas Turbines | 1                  | 0 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0    | 1 | 0 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
| 4       | ME708    | Advanced Mechatronics  | 1                  | 0 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0    | 1 | 0 | 1    | 0 | 0 | 0      | 100.00 | 0.00 |
|         |          |                        | Total              | 1 |   | 0     | 2 | 2 | 0 | 0 | 0 | 0 | 0  | 0    |   |   |      |   |   |        |        |      |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 1    | 0    | 100.00 | 0.00   |

## M.SC. CHEMISTRY

### II SEMESTER OF CHEMISTRY-2024-2025

| Sr. No. | Sub Code | Subject Name                                     | Total App. Student |   |   | Grade |    |   |    |   |   |   |    |   | Pass |   |   | Fail |   |   | Pass % | Fail % |
|---------|----------|--------------------------------------------------|--------------------|---|---|-------|----|---|----|---|---|---|----|---|------|---|---|------|---|---|--------|--------|
|         |          |                                                  | M                  | F | T | EX    | A  | B | C  | D | P | F | FA | I | M    | F | T | M    | F | T |        |        |
| 1       | CH502    | Inorganic Reaction Mechanism and Organometallics | 5                  | 4 | 9 | 0     | 4  | 1 | 2  | 2 | 0 | 0 | 0  | 0 | 5    | 4 | 9 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | CH504    | Organic Reactions Mechanisms                     | 5                  | 4 | 9 | 0     | 1  | 1 | 2  | 5 | 0 | 0 | 0  | 0 | 5    | 4 | 9 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | CH506    | Chemical Dynamics and Electrochemistry           | 5                  | 4 | 9 | 0     | 1  | 1 | 4  | 2 | 0 | 1 | 0  | 0 | 4    | 4 | 8 | 1    | 0 | 1 | 88.89  | 11.11  |
| 4       | CH508    | Applications of Spectroscopy                     | 5                  | 4 | 9 | 0     | 1  | 2 | 5  | 0 | 0 | 1 | 0  | 0 | 4    | 4 | 8 | 1    | 0 | 1 | 88.89  | 11.11  |
| 5       | CH512    | Organic Chemistry Laboratory                     | 5                  | 4 | 9 | 5     | 4  | 0 | 0  | 0 | 0 | 0 | 0  | 0 | 5    | 4 | 9 | 0    | 0 | 0 | 100.00 | 0.00   |
| Total   |          |                                                  | 9                  |   |   | 5     | 11 | 5 | 13 | 9 | 0 | 2 | 0  | 0 |      |   |   |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 9        | 8    | 1    | 88.89  | 11.11  |

## M.SC. CHEMISTRY

### IV SEMESTER OF CHEMISTRY-2023-2024

| Sr. No. | Sub Code | Subject Name                                           | Total App. Student |   |    | Grade |    |   |   |   |   |   |    | Pass |   |    | Fail |   |   | Pass % | Fail % |
|---------|----------|--------------------------------------------------------|--------------------|---|----|-------|----|---|---|---|---|---|----|------|---|----|------|---|---|--------|--------|
|         |          |                                                        | M                  | F | T  | EX    | A  | B | C | D | P | F | FA | I    | M | F  | T    | M | F |        |        |
| 1       | CH602    | Computer in Chemistry                                  | 6                  | 4 | 10 | 3     | 5  | 0 | 2 | 0 | 0 | 0 | 0  | 6    | 4 | 10 | 0    | 0 | 0 | 100.00 | 0.00   |
| 2       | CH612    | Project                                                | 6                  | 4 | 10 | 4     | 6  | 0 | 0 | 0 | 0 | 0 | 0  | 6    | 4 | 10 | 0    | 0 | 0 | 100.00 | 0.00   |
| 3       | CH726    | Introduction to Biomolecules                           | 6                  | 4 | 10 | 2     | 0  | 1 | 4 | 3 | 0 | 0 | 0  | 6    | 4 | 10 | 0    | 0 | 0 | 100.00 | 0.00   |
| 4       | CH729    | Principle and Application of Luminescence Spectroscopy | 6                  | 4 | 10 | 1     | 2  | 2 | 2 | 3 | 0 | 0 | 0  | 6    | 4 | 10 | 0    | 0 | 0 | 100.00 | 0.00   |
|         |          |                                                        | Total 10           |   |    | 10    | 13 | 3 | 8 | 6 | 0 | 0 | 0  |      |   |    |      |   |   |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 10       | 10   | 0    | 100.00 | 0.00   |

## Ph.D. CHEMISTRY

### I SEMESTER OF CHEMISTRY-2024-2025

| Sr. No. | Sub Code | Subject Name                  | Total App. Student |   |   | Grade |   |   |   |   |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |      |
|---------|----------|-------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|------|---|---|------|---|---|--------|--------|------|
|         |          |                               | M                  | F | T | EX    | A | B | C | D | P | F | FA | I    | M | F | T    | M | F |        |        | T    |
| 1       | CH504    | Organic Reaction Mechanism    | 2                  | 0 | 2 | 2     | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 2 | 0 | 2    | 0 | 0 | 0      | 100.00 | 0.00 |
| 2       | CH726    | Introduction to Biomolecules  | 2                  | 0 | 2 | 1     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 2 | 0 | 2    | 0 | 0 | 0      | 100.00 | 0.00 |
| 3       | HS701    | Research Methodology          | 2                  | 0 | 2 | 1     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 2 | 0 | 2    | 0 | 0 | 0      | 100.00 | 0.00 |
| 4       | PH706    | Nano science and applications | 2                  | 0 | 2 | 1     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 2 | 0 | 2    | 0 | 0 | 0      | 100.00 | 0.00 |
|         |          |                               | Total 2            |   |   | 5     | 3 | 0 | 0 | 0 | 0 | 0 | 0  |      |   |   |      |   |   |        |        |      |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 2        | 2    | 0    | 100.00 | 0.00   |

## M.SC. MATHEMATICS

### II SEMESTER OF MATHEMATICS & COMPUTING-2024-2025

| Sr. No. | Sub Code | Subject Name                   | Total App. Student |   |    | Grade |    |   |    |   |    |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |       |
|---------|----------|--------------------------------|--------------------|---|----|-------|----|---|----|---|----|---|----|------|---|---|------|---|---|--------|--------|-------|
|         |          |                                | M                  | F | T  | EX    | A  | B | C  | D | P  | F | FA | I    | M | F | T    | M | F |        |        | T     |
| 1       | MA502    | Analysis II                    | 6                  | 5 | 11 | 0     | 1  | 0 | 4  | 1 | 4  | 1 | 0  | 0    | 5 | 5 | 10   | 1 | 0 | 1      | 90.91  | 9.09  |
| 2       | MA504    | Partial differential Equations | 6                  | 5 | 11 | 0     | 4  | 1 | 4  | 2 | 0  | 0 | 0  | 0    | 6 | 5 | 11   | 0 | 0 | 0      | 100.00 | 0.00  |
| 3       | MA506    | Linear Algebra                 | 6                  | 5 | 11 | 0     | 0  | 1 | 3  | 1 | 3  | 3 | 0  | 0    | 3 | 5 | 8    | 3 | 0 | 3      | 72.73  | 27.27 |
| 4       | MA508    | Topology                       | 6                  | 5 | 11 | 0     | 0  | 4 | 1  | 3 | 3  | 0 | 0  | 0    | 6 | 5 | 11   | 0 | 0 | 0      | 100.00 | 0.00  |
| 5       | MA510    | Data Structures and Algorithms | 6                  | 5 | 11 | 0     | 6  | 3 | 1  | 1 | 0  | 0 | 0  | 0    | 6 | 5 | 11   | 0 | 0 | 0      | 100.00 | 0.00  |
|         |          |                                | Total 11           |   |    | 0     | 11 | 9 | 13 | 8 | 10 | 4 | 0  | 0    |   |   |      |   |   |        |        |       |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 11       | 8    | 3    | 72.73  | 27.27  |

## M.SC. MATHEMATICS

### IV SEMESTER OF MATHEMATICS & COMPUTING-2023-2024

| Sr. No. | Sub Code | Subject Name                                   | Total App. Student |   |    | Grade |   |    |    |    |    |    |    |   | Pass |   |    | Fail |   |   | Pass % | Fail % |  |  |
|---------|----------|------------------------------------------------|--------------------|---|----|-------|---|----|----|----|----|----|----|---|------|---|----|------|---|---|--------|--------|--|--|
|         |          |                                                | M                  | F | T  | EX    | A | B  | C  | D  | P  | F  | FA | I | M    | F | T  | M    | F | T |        |        |  |  |
| 1       | MA602    | Probability and statistics                     | 11                 | 5 | 16 | 1     | 1 | 4  | 2  | 1  | 5  | 2  | 0  | 0 | 10   | 4 | 14 | 1    | 1 | 2 | 87.50  | 12.50  |  |  |
| 2       | MA604    | Optimization Techniques                        | 11                 | 5 | 16 | 0     | 1 | 3  | 3  | 4  | 4  | 1  | 0  | 0 | 11   | 4 | 15 | 0    | 1 | 1 | 93.75  | 6.25   |  |  |
| 3       | MA622    | Project II                                     | 11                 | 5 | 16 | 0     | 4 | 11 | 1  | 0  | 0  | 0  | 0  | 0 | 11   | 5 | 16 | 0    | 0 | 0 | 100.00 | 0.00   |  |  |
| 4       | MA656    | Elective II (General Relativity and Cosmology) | 11                 | 5 | 16 | 1     | 0 | 2  | 3  | 5  | 5  | 0  | 0  | 0 | 11   | 5 | 16 | 0    | 0 | 0 | 100.00 | 0.00   |  |  |
| 5       | MA660    | Elective III (Mathematical Methods)            | 11                 | 5 | 16 | 1     | 2 | 5  | 5  | 3  | 0  | 0  | 0  | 0 | 11   | 5 | 16 | 0    | 0 | 0 | 100.00 | 0.00   |  |  |
|         |          |                                                | Total              |   |    | 16    | 3 | 8  | 25 | 14 | 13 | 14 | 3  | 0 | 0    |   |    |      |   |   |        |        |  |  |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 16       | 14   | 2    | 87.50  | 12.50  |

## Ph.D. MATHEMATICS

### I SEMESTER OF MATHEMATICS-2024-2025

| Sr. No. | Sub Code | Subject Name                                   | Total App. Student |   |   | Grade |   |   |   |   |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |        |
|---------|----------|------------------------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|------|---|---|------|---|---|--------|--------|--------|
|         |          |                                                | M                  | F | T | EX    | A | B | C | D | P | F | FA | I    | M | F | T    | M | F |        |        | T      |
| 1       | Hss701   | Research Methodology                           | 0                  | 1 | 1 | 0     | 1 | 0 | 0 | 0 | 0 | 0 | 0  | 0    | 0 | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00   |
| 2       | MA504    | Partial differential Equations                 | 0                  | 1 | 1 | 0     | 0 | 1 | 0 | 0 | 0 | 0 | 0  | 0    | 0 | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00   |
| 3       | MA656    | Elective II (General Relativity and Cosmology) | 0                  | 1 | 1 | 0     | 0 | 0 | 1 | 0 | 0 | 0 | 0  | 0    | 0 | 1 | 1    | 0 | 0 | 0      | 100.00 | 0.00   |
| 4       | MA660    | Elective III (Mathematical Methods)            | 0                  | 1 | 1 | 0     | 0 | 0 | 0 | 0 | 0 | 1 | 0  | 0    | 0 | 0 | 0    | 0 | 1 | 1      | 0.00   | 100.00 |
|         |          |                                                | Total              |   |   | 1     | 0 | 1 | 1 | 1 | 0 | 0 | 1  | 0    | 0 |   |      |   |   |        |        |        |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 1        | 0    | 1    | 0.00   | 100.00 |

## M.SC. PHYSICS

### II SEMESTER OF PHYSICS-2024-2025

| Sr. No. | Sub Code | Subject Name                                | Total App. Student |   |   | Grade |   |   |   |   |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |       |
|---------|----------|---------------------------------------------|--------------------|---|---|-------|---|---|---|---|---|---|----|------|---|---|------|---|---|--------|--------|-------|
|         |          |                                             | M                  | F | T | EX    | A | B | C | D | P | F | FA | I    | M | F | T    | M | F |        |        | T     |
| 1       | PH502    | Mathematical Physics II                     | 2                  | 2 | 4 | 0     | 0 | 1 | 1 | 1 | 0 | 1 | 0  | 0    | 1 | 2 | 3    | 1 | 0 | 1      | 75.00  | 25.00 |
| 2       | PH504    | Electronics                                 | 2                  | 2 | 4 | 0     | 1 | 1 | 0 | 1 | 1 | 0 | 0  | 0    | 2 | 2 | 4    | 0 | 0 | 0      | 100.00 | 0.00  |
| 3       | PH506    | Quantum Mechanics II                        | 2                  | 2 | 4 | 1     | 1 | 0 | 1 | 1 | 0 | 0 | 0  | 0    | 2 | 2 | 4    | 0 | 0 | 0      | 100.00 | 0.00  |
| 4       | PH508    | Electrodynamics II                          | 2                  | 2 | 4 | 0     | 1 | 1 | 0 | 1 | 1 | 0 | 0  | 0    | 2 | 2 | 4    | 0 | 0 | 0      | 100.00 | 0.00  |
| 5       | PH510    | Numerical Methods and Computational Physics | 2                  | 2 | 4 | 0     | 2 | 0 | 0 | 0 | 2 | 0 | 0  | 0    | 2 | 2 | 4    | 0 | 0 | 0      | 100.00 | 0.00  |
| 6       | PH532    | Physics Laboratory II                       | 2                  | 2 | 4 | 1     | 1 | 1 | 0 | 1 | 0 | 0 | 0  | 0    | 2 | 2 | 4    | 0 | 0 | 0      | 100.00 | 0.00  |
|         |          |                                             | Total 4            |   |   | 2     | 6 | 4 | 2 | 5 | 4 | 1 | 0  | 0    |   |   |      |   |   |        |        |       |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 4        | 3    | 1    | 75.00  | 25.00  |

## M.SC. PHYSICS

### IV SEMESTER OF PHYSICS-2023-2024

| Sr. No. | Sub Code | Subject Name                                       | Total App. Student |   |    | Grade |   |    |    |    |   |   |    | Pass |   |   | Fail |   |   | Pass % | Fail % |      |
|---------|----------|----------------------------------------------------|--------------------|---|----|-------|---|----|----|----|---|---|----|------|---|---|------|---|---|--------|--------|------|
|         |          |                                                    | M                  | F | T  | EX    | A | B  | C  | D  | P | F | FA | I    | M | F | T    | M | F |        |        | T    |
| 1       | Ph602    | Instrumentation                                    | 9                  | 6 | 15 | 0     | 1 | 4  | 9  | 1  | 0 | 0 | 0  | 0    | 9 | 6 | 15   | 0 | 0 | 0      | 100.00 | 0.00 |
| 2       | PH622    | Project II                                         | 9                  | 6 | 15 | 0     | 0 | 7  | 6  | 0  | 0 | 0 | 0  | 2    | 9 | 6 | 15   | 0 | 0 | 0      | 100.00 | 0.00 |
| 3       | PH650    | Physics of Material Synthesis and Characterization | 9                  | 6 | 15 | 0     | 4 | 5  | 4  | 2  | 0 | 0 | 0  | 0    | 9 | 6 | 15   | 0 | 0 | 0      | 100.00 | 0.00 |
| 4       | Ph654    | Soft Condensed Matter Physics                      | 9                  | 6 | 15 | 0     | 0 | 4  | 1  | 5  | 5 | 0 | 0  | 0    | 9 | 6 | 15   | 0 | 0 | 0      | 100.00 | 0.00 |
| 5       | PH660    | Laser Physics                                      | 9                  | 6 | 15 | 0     | 2 | 5  | 3  | 2  | 3 | 0 | 0  | 0    | 9 | 6 | 15   | 0 | 0 | 0      | 100.00 | 0.00 |
|         |          |                                                    | Total 15           |   |    | 0     | 7 | 25 | 23 | 10 | 8 | 0 | 0  | 2    |   |   |      |   |   |        |        |      |

M- Male Student, F-Female Student, T- Total Student

| Appeared | Pass | Fail | Pass % | Fail % |
|----------|------|------|--------|--------|
| 15       | 13   | 2    | 86.67  | 13.33  |



मणिपुर मणिपुर MANIPUR

764408

**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
DHANAMANJURI UNIVERSITY  
AND  
NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR**

**1. Objectives**

This Memorandum of Understanding (MoU) describes the joint efforts of the National Institute of Technology Manipur (NIT Manipur), Langol, Imphal-795004, Manipur (India) and Dhanamanjuri University (DMU), Imphal-795001, Manipur (India) (collectively, the Parties or Institutions) to advance academic excellence and research.

Taking into account the shared interests of both parties, the parties agree to embrace the following objectives as part of this collaboration.

- i. It will encourage scholarly collaboration, knowledge exchange, and creative research, which will promote interdisciplinary and holistic research collaboration between DMU and NIT Manipur.
- ii. To share knowledge about research and educational initiatives.
- iii. To share knowledge about teaching, learning materials, and other works of literature that are pertinent to their research and teaching initiatives.
- iv. To work together in organizing seminars, conferences, FDPs, or workshops on topics of mutual interest and to invite faculty members from each other's institutions to participate.
- v. To collaboratively suggest and participate in research or training initiatives supported by funding organizations and to extend invitations to each other's faculty members to take part in such endeavours.
- vi. To exchange laboratory facilities for limited periods for teaching and/or research on a reciprocal basis, depending on requirements at the Undergraduate, Postgraduate, and Doctorate levels.

*DMU*

*Wang*

- vii. Support DMU regular faculty members in pursuing their research at NIT Manipur by providing access to the resources and knowledge available at NIT Manipur.

**2. Exchange of Laboratory Facilities**

DMU and NIT Manipur will collaborate to support and identify laboratory needs across undergraduate, postgraduate and research levels. The specifics regarding the use of laboratory facilities will be determined through mutual agreement between DMU and NIT Manipur.

**3. Joint Conferences, Workshops and Short-Term Courses**

DMU and NIT Manipur will collaborate to assist in identifying and inviting faculty members from various institutions to take part in conferences, workshops, and short-term courses. The specific terms and conditions for their participation will be determined through mutual agreement between DMU and NIT Manipur.

**4. Joint Sponsored Research, Development and Consulting**

DMU and NIT Manipur will collaborate to identify and invite faculty members from both institutions to engage in research or development programs. The specific terms and conditions for this participation will be determined through mutual agreement between DMU and NIT Manipur.

**5. Exchange of Faculty, Scientists and Staff**

Collaboration between faculty and scientists from DMU and NIT Manipur will be encouraged. Institutions will specifically encourage faculty members to take term visiting assignments or short visits to each other's institution following established norms. DMU and NIT Manipur will work out the terms and conditions for each visit or agreement, including those about stipend, travel, housing, and the name of the concerned faculty.

**6. Intellectual Property**

DMU and NIT Manipur agree to honour each other's intellectual property rights. Additionally, any intellectual property rights arising from collaborative research activities under this MoU will be determined on a case-by-case basis, following the established IPR policies of both institutions.

**7. Details of Collaboration for PhD**

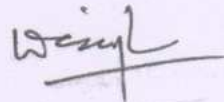
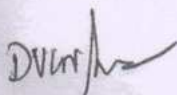
The legitimate regular faculty members of DMU will be permitted to register for Ph.D. through admission process of NIT Manipur subject to the following conditions:

**(a) Ph.D. Registration of a DMU regular Faculty member at NIT Manipur**

A regular faculty member employed at DMU who wishes to pursue a Ph.D. can register directly as a Ph.D. candidate at NIT Manipur, provided they meet all academic requirements and adhere to NIT Manipur's guidelines for the Ph.D. program. The faculty member will be responsible for covering all academic fees associated with the program, based on the regulating PhD co-guide from DMU will be identified if needed.

**8. Duration and Review**

This Memorandum of Understanding (MoU) will start upon signing and will be valid for five (5) years. It will be automatically extended for another five-year term unless either party terminates it with a written notice of six months to the other party. If any modifications are needed, both institutions will review the MoU.



**9. Cooperation**

Both parties share common interests and goals, and they will create communication and cooperation channels to enhance and further their respective activities. They will stay updated on potential opportunities and share relevant information to help secure additional opportunities for each other.

**10. Financial Commitment**

This MoU, being a co-operative and collaborative understanding for academic excellence and enhancement of quality of research activities, shall not create any legal and /or financial commitment whatsoever on either of the parties hereto, except as may be provided in activity-specific agreement (s) that may be entered into subsequently.

**11. Force Majeure**

Any of the parties hereto shall not be released from its obligation for any reason except for force majeure such as war, strike, fire, act of God or other causes beyond the control of the parties.

**12. Termination**

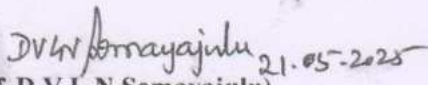
In case, this MoU is required to be terminated, all the activities in progress will be allowed to complete successfully before the termination.

**13. Arbitration clause**

The Vice-Chancellor of DMU and the Director of NIT Manipur will work together to resolve any disputes that may arise under this MoU. However, this MoU will be governed by and constructed therein in accordance with the laws and the Constitution of India.

**14. Signatories**

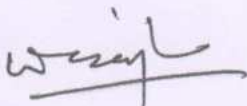
This MoU is agreed upon by the authorized representatives of DMU and NIT Manipur.

  
(Prof. D V L N Somayajulu)  
Director,  
National Institute of Technology Manipur  
(NIT Manipur)

Seal

Date:

Place:

  
(Prof. W. Chandbabu Singh)  
Vice-chancellor,  
Dhanamanjuri University  
(DMU)

Seal

Date:

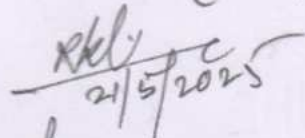
Place

Witnesses

1. Name, Designation & Signature

  
21/05/2025  
Prof. K. A. Tombe  
(Registrar)

2. Name, Designation & Signature

  
21/5/2025  
Prof. R. K. London Singh  
Director / IQAC, DMU