

अभिषद  
की 24वीं बैठक का कार्यवृत्त  
**MINUTES OF THE 24<sup>th</sup> MEETING  
OF THE SENATE**



विद्याधनं सर्वधनं प्रधानम्

**23.11.2023**

भारतीय प्रौद्योगिकी संस्थान जम्मू  
जगती, नगरोटा, जम्मू (जम्मू और कश्मीर)–181221

**INDIAN INSTITUTE OF TECHNOLOGY JAMMU,  
JAGTI, NAGROTA, JAMMU (J&K) – 181 221**



Indian Institute of Technology Jammu  
**Senate**  
**Minutes of 24<sup>th</sup> Meeting**  
23 November 2023 (Thursday), 11:00 hrs  
Conference Room, IIT Jammu

The 24<sup>th</sup> Senate Meeting of IIT Jammu was held on 23<sup>rd</sup> November 2023. The Senator attended the meeting in hybrid mode (some in person, and others online) **{Appendix – 24(i) (p. 07-08)}**.

The following items of the agenda were deliberated, and the actions/decisions of the Senate are summarized below:

Ser	Items
24.1	<p><b>To confirm the minutes of the 23<sup>rd</sup> Meeting of the Senate held on 29 September 2023.</b></p> <p><b>Actions:</b> The minutes of the 23<sup>rd</sup> meeting of the senate held on 29 September 2023 were circulated on 13 October 2023 to the members for their comments. No comments were received, and the minutes were approved.</p> <p>The Minutes were confirmed in the 24<sup>th</sup> senate meeting.</p>
24.2	<p><b>To receive a report on the action taken on the decisions of the 23<sup>rd</sup> meeting of the Senate.</b></p> <p><b>Actions:</b> All agenda items of 23<sup>rd</sup> senate and the corresponding action taken report were presented to the Senate.</p>
24.3	<p><b>To consider and approve the following matters of the Department of Physics:</b></p> <p><b>(a) To consider the proposal of Physics Department for admitting additional 15 students to the masters program through a separate entrance exam apart from JAM.</b></p> <p><b>Actions:</b> The matter was deliberated in detail and post receipt of inputs from the members the following was approved:</p> <ul style="list-style-type: none"><li>(i) 05 self sponsored seats were approved as per institute procedures and norms.</li><li>(ii) The conduct of examination for admission to be processed concurrently with JAM.</li><li>(iii) There shall be no specific reservation/category for the self sponsored seats.</li><li>(iv) The vacant seats of JAM to be filled in the respective vacant categories.</li><li>(v) The waiting list of JAM may also be explored for admission.</li><li>(vi) Fee committee to appropriately put up a proposal for fees of self sponsored category taking into account the data from other IITs.</li><li>(vii) This mechanism shall be available for other M.Sc programs as well to maintain healthy admissions in the offered programs.</li><li>(viii) A detailed execution mechanism for implementation shall be developed and notified. (Action: Internal committee with IITH inputs)</li><li>(ix) HoD Chemistry and HoD Physics were requested to follow up with AICTE for</li></ul>

	<p>paid admissions of J&amp;K students in sponsored scheme with Dean AA.</p> <p>The senate approved the matter for all M.Sc programs.</p> <p><b>(b) To consider the proposal of the Physics department to replace the course on English Communication from M.Sc. curriculum.</b></p> <p><b>Actions:</b> The matter was presented in the senate to replace the English Communication course from M.Sc. curriculum with Technical Writing and Communication Skills, which is an approved course. The agenda was approved by the senate.</p>
<b>24.4</b>	<p><b>To consider and approve new M.Tech and M.Sc structure at IIT Jammu.</b></p> <p><b>Actions:</b> The revised of M.Tech and M.Sc structure were discussed in light of NEP 2020, operational requirements. The same were agreed upon by the senate. <b>{Appendix- 24.4 (p. 09-17)}</b></p>
<b>23.5</b>	<p><b>To consider and approve process of finalizing certain certificate courses under CEP</b></p> <p><b>a) Digital and Neuro Marketing</b></p> <p><b>b) IoT &amp; Embedded System</b></p> <p><b>Actions:</b> The matter was discussed. It is withdrawn since Senate approval is not required for certificate events. Senate ratification is required only for Diploma and Degree programmes or programmes in which credits are earned for issuance of a transcript from the Institute.</p>
<b>24.6</b>	<p><b>To consider and approve the proposal for Ph.D. students at IIT Jammu:</b></p> <p><b>(a) Change in Rules 8.3 and 8.4 of Ph.D. Rules and Regulations: Conduction Comprehensive Examination after 12 months and within 18/24 months.</b></p> <p><b>Actions:</b> The matter to modify the rule 8.3 and 8.4 regarding conducting the comprehensive examination was presented in senate and same was approved with following modifications:</p> <p>(i) Comprehensive examination may be conducted from 9 months to 18/24 months (for candidates with qualifying degree as M.Tech/B.Tech respectively)</p> <p>(ii) However, senate suggested some change to make it more clear and same is attached as <b>{Appendix- 24.6 (a) (p. 18)}</b>.</p> <p>(iii) Suggestions received from members with respect to clarification of number of attempts financial, support during grace period and medical condition has been incorporated in the appendix.</p> <p><b>(b) Change in Rules 15.1-15.4 of Ph.D. Rules and Regulations: Conduction of the Ph.D. defense examination after the due date (8 weeks) if two reports are found satisfactory (with one from the foreign examiner).</b></p> <p><b>Actions:</b> The senate deliberated. Additional insight and outcomes scenarios require further discussion. The same shall be presented to Senate again with details <b>{Appendix- 24.6 (b) (p. 19-21)}</b>.</p> <p><b>(c) Proposal for Open day Research</b></p> <p><b>Actions:</b> The matter was deliberated and senate suggested the following:</p> <p>(i) The scheme shall apply to UG, PG and Ph.D. students</p> <p>(ii) The students will present their research work at department level first and then the shortlisted shall present their work at institute level on the open day research.</p>

	<p>(iii) To explore the possibility of provisioning in the academic calendar.</p> <p>(iv) The funding for the same to be absorbed through IRG.</p> <p>The agenda was approved after incorporating the suggestions {<b>Appendix- 24.6 (c) (p. 22-23)}</b>}.</p> <p><b>(d) To consider and approve the replace of DT900 report with progress report. Only submission of Progress report.</b></p> <p><b>Actions:</b> The agenda was discussed and approved by the senate. Progress report shall be mandatory for continuation and registration to the next semester.</p> <p><b>(e) Compulsory TAsip for all Project/externally funding PhD students.</b></p> <p><b>Actions:</b> The agenda was discussed and approved by the senate.</p> <p><b>(f) Option of putting a medal for separately to Engineering and Science students for outgoing students.</b></p> <p><b>Actions:</b> The agenda was discussed and approved by the senate in principle. Senate recommended to mention Humanities and Social Science in the Science students category for the award. Senate authorised the Chairman, senate to approve the guidelines and procedures from time to time.</p>												
24.7	<p><b>To report certain items for the information of the Senate.</b></p> <p><b>24.7.1: To report the award of Ph.D. degree in 4th convocation to the following students.</b></p> <p><b>(a)</b> Ms. Amina Girdher (2019REE0013) a PhD Scholar in the Department of Electrical Engineering completed her Oral Defense on 06-10-2023, and her ODC recommendations have been approved by Chairman, SPGB on 10-10-2023.</p> <p><b>(b)</b> Ms. Deebha Mumtaz (2018RCS0011) a PhD Scholar in the Department of Computer Science and Engineering completed her Oral Defense on 09-10-2023, and her ODC recommendations have been approved by Chairman, SPGB on 12-10-2023.</p> <p><b>Actions:</b> The matter was reported to the senate.</p> <p><b>24.7.2: To report the semester schedule for 23-02 semester.</b></p> <p><b>Actions:</b> The semester schedule for 23-02 semester for UG/PG was reported.</p> <p><b>24.7.3 To report the following matters of Civil Engineering Department:</b></p> <p><b>(a) To report the new course:</b></p> <table><tr><th>Ser</th><th>Course Name</th><th>Course Code (Proposed)</th><th>Course Category</th><th>Faculty</th><th>Offered to</th></tr><tr><td>1</td><td>Environmental Impact Assessment</td><td>CE-3-23(TO)</td><td>PE</td><td></td><td>UG</td></tr></table> <p><b>Actions:</b> The courses were reported to the senate.</p> <p><b>(b) The department proposed to change the name of CAD course of M.Tech. as "Computer Aided Structural Design Lab".</b></p> <p><b>Actions:</b> The name change was reported to the senate.</p>	Ser	Course Name	Course Code (Proposed)	Course Category	Faculty	Offered to	1	Environmental Impact Assessment	CE-3-23(TO)	PE		UG
Ser	Course Name	Course Code (Proposed)	Course Category	Faculty	Offered to								
1	Environmental Impact Assessment	CE-3-23(TO)	PE		UG								

**24.7.4: To report the following courses of Mechanical Engineering:**

Ser	Course Name	Course Code (Proposed)	Course Category	Faculty	Offered to
1	Kinematics and Dynamics of Machines	ME-2-15(TO)	PC	[REDACTED]	UG
2	Kinematics and Dynamics of Machines lab	ME-3-17(TO)	PC	[REDACTED]	UG
3	Control Engineering	ME-3-18(TO)	PC	[REDACTED]	UG
4	Manufacturing Processes 2	ME-2-16(TO)	PC	[REDACTED]	UG
5	Solar Energy Conversion and Storage Systems	ME-3-19(TO)	PE	[REDACTED]	UG

**Actions:** The department of Mechanical Engineering proposed to offer the following courses to 2022 batch onwards. The courses mentioned from point (1) to (4) are already approved in 2019 curriculum. The matter was reported to senate.

**24.7.5: To report the following matters of Electrical Engineering Department:****(a) To report the new courses:**

Ser	Course Name	Course Code (Proposed)	Course Category	Faculty	Offered to
1	Machine Learning for Multimedia Data	EE-3-19(TO)	PE	[REDACTED]	UG
2	Electric Vehicle Infrastructure	EE-3-20(TO)	PE	[REDACTED]	UG

**Actions:** The courses were reported to the senate.

**b) To report the course Deep Learning as an Elective in CSP/VLSI and Linear Algebra as OE:**

Ser	Course Name	Course Code (Proposed)	Course Category	Faculty	Offered to
1	Deep Learning	EEL094P1E	DE	[REDACTED]	PG
2	Linear Algebra	CSD001P5M	OE	-	PG

**Actions:** The matter to offer the course Deep learning as DE under EE course code with the same content and structure to PG students and the course Linear Algebra as OE to Electrical Engineering students was reported to senate.

**24.7.6 To report the following courses to be offered by the Materials Engineering Department:**

Ser	Course Name	Course Code (Proposed)	Course Category	Faculty	Offered to
1	Materials for Biomedical Applications	ME-3-15(TO)	PE	[REDACTED]	UG
2	Polymer Physics	MT-3-13(TO)	PC	[REDACTED]	UG
3	Characterization of Materials	MT-2-07(TO)	PC	[REDACTED]	UG
4.	Phase Transformations in Materials	MT-2-08(TO)	PC	[REDACTED]	UG
5	Fundamentals of Metal Extraction	MT-2-09(TO)	PC	[REDACTED]	UG
6	Mechanical Behaviour of Materials	MT-3-14(TO)	PC	[REDACTED]	UG
7	Engineering Fundamentals of Polymers	MT-1-01(TO)	PC	[REDACTED]	UG
8	Engineering Ceramics	MT-3-11(TO)	PC	[REDACTED]	UG
9	Industrial Materials Processing	MT-3-12(TO)	PC	Dr. [REDACTED]	UG
10	Materials characterization lab	MT-2-10(TO)	PC	Dr. [REDACTED]	UG

**Actions:** The courses were reported to the senate.

**24.7.7 To report the following matters by the Computer Science and Engineering Department.**


**(a) To report the addition in the list of courses for "Minor in Computer Science and Engineering":**

**Actions:** The updated list of courses for Minor in Computer Science and Engineering was reported to the senate.

**(b) To report the following course to be offered by the Computer Science and Engineering Department:**

Ser	Course Name	Course Code (Proposed)	Course Category	Faculty	Offered to
1	Fundamentals of SDN and NFV	CSC070P6G	PE/OE	Dr. [REDACTED]	UG/PG

**Actions:** The courses were reported to the senate.

<b>24.7.8 To report the following courses to be offered by the Humanities and Social Sciences Department.</b>					
<b>Ser</b>	<b>Course Name</b>	<b>Course Code (Proposed)</b>	<b>Course Category</b>	<b>Faculty</b>	<b>Offered to</b>
1	Sociology for Science and Technology	HSL075U3M	IC-HSS	Dr. 	UG
The courses were reported to the senate.					

The meeting ended with thanks to the Chairman and all members of the Senate.

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## **M.Tech. Curriculum**

### **A. Objectives of the M.Tech. programs at IIT-Jammu**

1. To provide deep knowledge of the specialized area of engineering so that our graduates can independently identify, manage, and solve complex problems in human society and our environment.
2. To provide opportunities to explore inter-disciplinary areas to gain expertise in new and evolving areas of engineering.
3. To impart skills in undertaking research projects to scientifically define and solve new problems.

### **B. Requirements for Graduation**

The students pursuing the regular M.Tech program shall meet the following requirements to be eligible for the award of the degree.

*a) Credit requirements:* A student should complete all the credit requirements of the particular M.Tech program.

*b) CGPA requirements:* A student should have a minimum overall CGPA of 6.

A Student should meet both the course and dissertation CGPA requirements at the end of the program to be eligible for the award of the degree. However, the final transcript shall have only the combined CGPA of coursework and dissertation.

### **C. Requirements for an M.Tech. degree (2- and 3-year programs)**

The regular M.Tech program should be framed by the department following the broad guidelines

- Total credits of the M.Tech. program are in the range of 60-65.
- The credits allocated for the program core (PC) courses should be in the range of 20 – 30 % of the total credits of the M.Tech. program.
- The credits allocated for the program elective (PE) courses should be in the range of 20 – 30 % of the total credits of the M.Tech. program. At least one PE course should be present in 3rd semester for 2-year programs and in 5th semester for a 3-year program.
- The credits allocated for the dissertation should be in the range of 40 – 45 % of the total credits of the M.Tech. program
- There should be at least 3 credits for the practical course.
- There should be at least 2 credits for co-curricular activities.



#### D. Overview of the courses

(a) Program core:

These are the core courses and shall be taken by all students enrolled for a particular program.

(b) Program elective:

These are elective courses for each department. Any course taken within the department, and not part of the program core, is considered a program elective. The department may incorporate additional restrictions on the level of electives, distribution of specializations, etc.

A student must take 10 theory courses including core and elective courses. This may include 6 core courses and 4 electives or vice versa.

The practical courses need to be taken separately and should have a credit range of 3-4 credits. Some courses may have theory and practical components together and they should follow the above-mentioned overall credit structure.

(c) M.Tech. Project:

M. Project shall be done in two semesters, 3rd and 4th semesters, and shall be evaluated as per the guidelines given in section G.

(d) Co-curricular Activities:

Credits for co-curricular activities can be in the range of 2-4 and the following courses shall be taken by the students.

- Technical writing and communication skills
- Seminar
- Software tools
- Language courses
- Entrepreneurship and skill development courses

An overview of a **typical** M.Tech. curriculum is shown in the table below.

	Semester 1 (credits)	Semester 2 (credits)	Semester 3 (credits)	Semester 4 (credits)	Total
Core course	6	6			12
Electives	9	6	3		18
Dissertation			10	15	25
Practicals	1.5	1.5			3
Co-curricular activities		2			2

### **E. Scholarship**

A student enrolled for regular M.Tech. programs will be provided a monthly fellowship as per the rules of the Government of India (GOI). The amount of fellowship for the M.Tech. students at present is the following:

- M.Tech. students enrolled under TA category will receive a monthly fellowship of 12,400 for a maximum duration of 24 months. No HRA will be paid to M.Tech students
- M.Tech. students enrolled under RA category will receive 50 % more scholarships than that obtained by the students enrolled under the TA category. The scholarship will be approved by the DPGC chairman during the initial days of studentship and once the M.Tech supervisor is assigned, the scholarship shall be approved by the supervisor.
- The scholarship will not be paid to the students on Academic probation.

### **F. Duration to complete the regular M.Tech programs**

The courses for the PG students to complete the M.Tech. program will be offered in two regular semesters in a year: Autumn and Winter semesters. The students of regular M.Tech. degree program is expected to complete all the degree requirements as per the following timeline:

- PG students under TA: It is expected that a PG student under TA category will complete all the M.Tech. degree requirements in 4 semesters. An extension of a maximum of two additional semesters, i.e., a total of 6 semesters might be allowed upon approval from the Senate.
- PG students under the RA category: It is expected that a PG student under the RA category will complete all the M.Tech. degree requirements by 6 semesters. An extension of a maximum of two additional semesters, i.e., a total of 8 semesters might be allowed upon approval from the Senate.

### **G. M.Tech Dissertation**

M.Tech Dissertation is an important part of the degree requirements. The entire M.Tech. dissertation (MTD) work will be bifurcated into two and three semesters for the M.Tech students under the categories TA and RA, respectively.

The following policy shall be followed for the allotment of the M.Tech Dissertation:

The student should present a project proposal at the end of the second semester. This proposal must contain (a) a background to the project with a survey of the academic literature, (b) preliminary designs, experimental methods, etc., and (c) a proposed timeline of work.

#### ***M.Tech Dissertation Evaluation***

The M.Tech Dissertation shall be evaluated twice in each semester, once during the Mid-term evaluation period and again during the End-semester evaluation period. M.Tech Dissertation shall be evaluated in third and fourth semesters for a 2 year M.Tech program and in fourth, fifth and

sixth semesters for a 3-year M.Tech program. All the evaluations shall be conducted as per the academic calendar.

All the MTech Dissertation evaluations made preceding the final semester are called internal evaluations and the evaluation made during the end-semester of the graduating final semester is called final evaluation.

*MTech Dissertation Evaluation Committee:* The MTech Dissertation of a student shall be evaluated by a committee comprising a supervisor and two experts.

*Internal evaluations:* All the internal evaluations shall be made by the MTech Dissertation evaluation committee during the mid-term and end-semester periods. Grades shall be assigned only for the end-semester evaluation. The mid-term evaluation shall act as a checkpoint to monitor the progress.

*Final evaluation:* The final evaluation of the MTech Dissertation shall be conducted in two stages by the MTech Dissertation Evaluation Committee. The two stages are: i) Final internal evaluation and ii) Final external evaluation.

*Final internal evaluation:* The final evaluation will decide whether the MTech Dissertation can be sent to an external examiner or not. The MTech Dissertation Evaluation Committee shall take a decision accordingly. No grades are assigned for this evaluation. *Final external evaluation:* The final external evaluation shall be conducted by the MTech Dissertation evaluation committee along with the following additional members:

*Convenor of the final evaluation committee:* One faculty member outside the department nominated by DPGC. The convener will ensure the smooth conduct of the evaluation and will not participate in grading.

*One external examiner outside the institute:* For a group of 3 - 4 MTech Dissertation dissertations, one external examiner might be invited. An external examiner will be outside of the institute, but a faculty member, generally, of a centrally funded technical institute (CFTI). In addition to the CFTIs, an external examiner can be from a state government-sponsored or private reputed university/institute/organization as well. The examiners will be chosen by the DPGC from an elaborate panel of list of examiners to be recommended by all the supervisors of the students. Once the external examiners are shortlisted and approved by the DPGC, the soft copies of the MTech Dissertation dissertations will be sent by the DPGC to the concerned external examiners, at least, 7 days in advance.

The softcopy of the draft MTech Dissertation should be sent to all the committee members at least 3 days before any kind of evaluation.

The final evaluation shall include a presentation by the student to the committee followed by a viva voce examination. Grades shall be given for the final external evaluation of the MTech Dissertation which shall be arrived in consensus with the full committee.

### ***MTech Dissertation submission***

After the final evaluation, the completed dissertation incorporating the comments of the committee shall be submitted to the Academic section and library for records. Only soft copy shall be submitted through the EGov portal of the institute. The dissertation shall be submitted within 1 month from the date of viva-voce examination.

#### ***Extension of MTech Dissertation submission***

The students performing poorly during any of the evaluations can be asked to work further and their submission of MTech Dissertation can be extended by the DPGC. Extension is also possible in case of leave due to valid reasons during the semesters.

Students may be given an extension for a maximum period of 2 months from the last date of actual submission. Necessary approvals shall be taken from Dean Academics by the supervisor and DPGC in this regard. No additional fee is necessary for this extension. After the supervisor is satisfied with the work, the final evaluations as given before shall be conducted and M.Tech Dissertation shall be submitted. If the student does not work satisfactorily, then a semester extension shall be given to the student and further evaluation shall be made as in a regular semester.

# **M.Sc. and MS-Research Curriculum**

## **1. Objectives of the M.Sc. and MS-Research at IIT-Jammu**

1. To provide specialized training in the areas of the basic sciences.
2. To provide an opportunity to learn in an environment tightly integrating Science and Technology.
3. To train graduates to identify problems for basic and applied research and be able to design experiments to study and understand them.

## **2. Requirements for Graduation**

The students pursuing the regular MSc/MS (R) programs shall meet the following requirements to be eligible for the award of the degree.

a) Credit requirements: A student should complete all the credit requirements of the particular program.

b) CGPA requirements: A student should have a minimum CPGA of 5.

A student should meet both the CGPA requirements at the end of the program to be eligible for the award of the degree. However, the final transcript shall have only the combined CGPA of coursework and dissertation.

### ***2.1 Requirements for an M.Sc. degree***

The regular MSc program should be framed by the department following the broad guidelines.

- Total credits of the MSc program is 70-75.
- The credits allocated for the program core (PC) courses should be in the range of 50 - 65 % of the total credits of the program.
- The credits allocated for the program electives (PE) courses should be in the range of 10 – 25 % of the total credits of the program.
- The credits allocated for the dissertation should be in the range of 20 – 30 % of the total credits of the program.
- There should be at-least 3 credits for the practical.
- There should be at least 3 credits in the open electives category.

### ***2.2 Requirements for an MS-Research degree***

The regular MS (R) program should be framed by the department following the broad guidelines.

- Total credits of the MS (R) program should be in the range of 95 – 110.
- The credits allocated for the PC courses should be in the range of 35 – 40 % of the total credits of the program

- The credits allocated for the PE courses should be in the range of 10 – 25 % of the total credits of the program
- The credits allocated for the dissertation should be in the range of 35 – 40 % of the total credits of the program
- There should be at least 3 credits for the practicals
- There should be at least 3 credits in the open electives category

### 2.3 Typical M.Sc. and MS-R curriculum

	I (18 credits)	II (18 credits)	III	IV	V	VI
Dept Core	XX-4-21	XX-4-31	XX-4-31		XX-4-31	
	XX-4-22	XX-4-32	XX-4-32			
	XX-4-23	XX-4-33	XX-4-33			
Dept Elective	XX-4-31	XX-4-41	XX-4-41		XX-4-41	
	XX-4-32	XX-4-42	XX-4-42		XX-4-42	
Open Elective	XX-4-24	XX-4-24	XX-4-24	XX-5-24		
Dissertation				XX-5-97	XX-5-97	XX-5-97
						XX-5-97

### 3. Scholarship

Students enrolled for the MS (R) program will be given a scholarship in the third year provided they qualify for GATE in the respective field and submit a valid scorecard to the Academic section while requesting for scholarship.

### 4. Exit option with MSc for students registered in MS-Research

Students admitted to a 3-year MS-R program can choose to exit with an MSc degree if they complete the requirements for the MSc and make an application for exit before the end of the fourth semester.

### 5. Extension to MS-Research for students registered in M.Sc.

Students admitted to the MSc program may apply to continue to the MS-R program. This will depend on the availability of seats in the MS-R program in addition to academic criteria.

### 6. Duration to complete the regular MSc/MS (R) programs

The courses for the PG students to complete the MSc/MS (R) program will be offered in two regular semesters in a year: Autumn and Winter semesters. The students of regular MSc/MS (R) degree program are expected to complete all the degree requirements as per the following timeline:

- PG students in MSc: It is expected that a PG student under MSc will complete all the degree requirements in 4 semesters. An extension of a maximum of two additional semesters, i.e., a total of 6 semesters might be allowed upon approval from the Senate.
- PG students in MS(R): It is expected that a PG student in the MS(R) program will complete all the degree requirements by 6 semesters. An extension of a maximum of two additional semesters, i.e., a total of 8 semesters might be allowed upon approval from the senate.

## **7. MSc/MS (R) Dissertation**

MSc/MS (R) Dissertation is an important part of the degree requirements. The entire MSc/MS (R) dissertation (MSD) work will be bifurcated into one and three semesters for the MSc and MS (R) students respectively.

### **7.1 MSc/MS-R Dissertation allotment**

The following policy shall be followed for the allotment of the MSD:

1. An MSc/MS (R) student has to choose a topic for his/her MSD at the end of the third semester.
2. Each student should have an MSD supervisor from the faculty of the parent department to which s/he is admitted. In addition, co-supervisor/s from the same department/other departments may be opted with the approval of DPGC.
3. Whenever a supervisor leaves the institute permanently/temporarily, the DPGC, at its discretion, will make alternative arrangements if the need to be take care of the absence of the supervisor.

### **7.2 MSc/MS-R Dissertation Evaluation**

- The MSD shall be evaluated twice in each semester, once during the Mid-term evaluation period and again during the End-semester evaluation period. MSD shall be evaluated in the fourth semester for a 2-year MSc program and in the fourth, fifth, and sixth semesters for a 3-year MS (R) program. All the evaluations shall be conducted as per the academic calendar. All the MSD evaluations made preceding the final semester are called internal evaluations and the evaluation made during the end-semester of the graduating final semester is called final evaluation.

#### **MSD evaluation committee:**

The MSD of a student shall be evaluated by a committee comprising of supervisor, one expert within the department, and one expert outside the department.

All the evaluations shall be made by the MSD evaluation committee during the mid-term and end-semester periods. Grades shall be assigned only for the end-semester evaluation. The mid-term evaluation shall act as a checkpoint to monitor the progress.

The final external evaluation shall be conducted by MSD evaluation committee along with the following additional members:

- Chairperson of the final evaluation committee: One faculty member outside the department nominated by DPGC
- One external examiner outside the institute: For a group of 3 - 4 MSD dissertations, one external examiner might be invited. An external examiner will be outside from the institute, but a faculty member, generally, of a centrally funded technical institute (CFTI). In addition to the CFTIs, an external examiner can be from a state government sponsored or private reputed

university/institute/organisation as well. The examiners will be chosen by the DPGC from an elaborate panel of list of examiners to be recommended by all the supervisors of the students. Once the external examiners are shortlisted and approved by the DPGC, the soft copies of the MSD dissertations will be sent by the DPGC to the concerned external examiners, at least, 7 days in advance.

Final evaluation shall include a presentation by the student to the committee followed by viva-voce examination. Grades shall be given for the final external evaluation of the MSD which shall be arrived in consensus with the full committee.

#### ***8 MSc/MS-R Dissertation Submission***

After the final evaluation, the completed dissertation incorporating the comments of the committee shall be submitted to the Academic section and library for records. Only soft copies shall be submitted through the EGov portal of the institute. The dissertation shall be submitted within 1 month from the date of viva voce examination.

#### ***9. Extension of MSD submission***

The students performing poorly during any of the evaluations can be asked to work further and their submission of MSD can be extended by the DPGC. Extension is also possible in case of leave due to valid reasons during the semesters. Students may be given an extension for a maximum period of 2 months from the last date of actual submission. Necessary approvals shall be taken from Dean Academics by the supervisor and DPGC in this regard. No additional fee is necessary for this extension. After the supervisor is satisfied with the work, the final evaluations as given before shall be conducted and MSD shall be submitted. If the student does not work satisfactorily, then a semester extension shall be given to the student and further evaluation shall be made as in a regular semester.



Old Rules	New Rules
<p>R.8.3 A student will be provided a maximum of two attempts to pass the comprehensive examination.</p> <p>R.8.4 Full-time and off campus students must complete the comprehensive examination after minimum of 12 months and maximum before 24 months from the date of joining the programme, failing which their registration will stand cancelled automatically.</p>	<p>R.8.3 Ph.D. students must clear the comprehensive examination (Both written and Oral) between 09 to 18/24 registered months from the date of joining the program for M. Tech (registering for PhD in Engineering) or M. Sc. (registering for PhD in Science) /B. Tech. (or M. Sc. and registering for PhD in Engineering)</p> <p>R.8.4 A student will be provided a maximum of two attempts to pass the comprehensive examinations (Written followed by Oral) within 18/24 months. If the student fails to clear the written comprehensive part in 18/24 months, then the studentship will be terminated. However, if the student has cleared the written part, but has not cleared the oral part satisfactorily within 18/24 months, the student will be given a grace period of another three months to complete the same. However, during the grace period, the student will not be eligible for a scholarship till he clears the oral part successfully. If the comprehensive is not completed even after the expiry of the grace period, the studentship will be automatically terminated.</p> <p>b. If a student fails to clear the comprehensive examination in two attempts (two written and two oral), then her/his registration will stand, canceled automatically.</p>

## **PhD Thesis Evaluation**

### **Old Rules**

R.15.1 Each Examiner will be requested to submit to the Dean (Academic) a detailed assessment report and his recommendations on the prescribed Performa within two months of the date of receiving the Ph.D. thesis.

R.15.2 In the event that the Ph.D. thesis report is not received from an Examiner within a period of three months, the Dean (Academic) may appoint another examiner in his place for evaluating the Ph.D. thesis. Within three months, the examiner may be given reminders as deemed necessary.

R.15.3 Two reports out of three examiners are essential, in which one of them report should be from foreign examiner.

R.15.4 In the event of the candidate being required to submit a revised Ph.D. thesis, s(he) shall in the normal circumstances, submit the same within a period of six months from the date of communication in this regard from the Dean (Academic). However, in exceptional circumstances this period may be extended by the Dean (Academic) by another six months, the total revision time irrespective of the number of the revisions allowed, will not exceed a period of one year.

### **New Rules**

R.15.1 Each Examiner will be requested to submit to the Dean (Academic) a detailed assessment report and his recommendations on the prescribed Performa within 8 weeks of the date of receiving the Ph.D. thesis.

R.15.2 In the event that the Ph.D. thesis report is not received from any of the Examiners within a period of 8 weeks even after sufficient reminders, the Dean (Academic) may appoint another examiner in his place to evaluate the Ph.D. thesis.

R. 15.2.1 A reminder will be sent to the examiners whose reports are pending at regular intervals within 8 weeks. (please state; say 4th week, 6th week and 7th week. Trigger may be sent by EG directly with copies to relevant persons)

R. 15.2.2 In the event an examiner requests, for additional time beyond 8 weeks, a maximum of 4 weeks time can be given by the Dean (Academic).

R.15.3 At the end of 8 weeks and receipt of two or three reports:

15. 3.1 If two/three reports have been received (at least one from the foreign examiner) with satisfactory recommendations or minor modifications, the reports can be passed on to the Guide for rebuttal and corrections to be carried out by the student as suggested by both/all the examiners

- The candidate will prepare a report that will give point to point rebuttal. Accordingly, the necessary corrections in the thesis will also be carried out carefully.
- The external examiners' reports, the rebuttal report, and the corrections carried out in the thesis duly highlighted be passed on to the internal examiners (the SRC) for checking the same.
- Once the SRC is satisfied that all the suggested corrections have been carried out satisfactorily, the SRC recommends to the ADRP to conduct the thesis defense, who in turn will recommend the same to the Dean AA.
- On the recommendation of Dean AA, the guide will coordinate with the SRC and external examiners to fix a date for the thesis defense. A minimum of seven days' notice should be given to all the examiners.
- In the interim, if the third report is also obtained before the defense, depending on the availability of time, the candidate can either make all the corrections or mention it at the end of the defense or mention the corrections that will be undertaken before submission of the final thesis. If corrections have to be made, the SRC will certify that the corrections as suggested have been carried out and the thesis can be submitted.
- While preparing the rebuttal report, if the third report came as a rejection or resubmission of the thesis, then appropriate corrections should be made and R. 15.3.3 will be followed.
- Once the defense is scheduled the third examiner report is not required and appropriate communications shall be made by the academic section to the third examiner.

15. 3. 3 If two/three reports have been received (at least one from the foreign examiner) with unsatisfactory recommendations (reject) or re-evaluation/re-submission of the thesis by one or two or all the examiners, then the reports can be passed on to the Guide for rebuttal and corrections to be carried out by the student as suggested by both/all the examiners

- The candidate will prepare a report that will give point to point rebuttal. Accordingly, the necessary corrections in the thesis will also be carried out carefully.
- The external examiners' reports, the rebuttal report, and the corrections carried out in the thesis duly highlighted be passed on to the internal examiners (the SRC) for checking the same.
- Once the SRC is satisfied that all the suggested corrections have been carried out satisfactorily, s/he can resubmit the thesis for sending to the examiner/s who seek to send back the thesis for review.
- It is preferred that the thesis be sent to the same examiner/s. The SRC may suggest the appointment of a new examiner/s (to replace the examiner/s who rejected or asked for re-submission of the thesis) with proper justifications for further evaluation of the thesis.
- Based on the satisfactory comments of any two of the examiners' reports, the defense (will) can be carried out as per R. 15. 3. 2.

- In the interim, if the third report is also obtained before the defense, depending on the availability of time, the candidate can either make all the corrections or mention it at the end of the defense or mention the corrections that will be undertaken before submission of the final thesis. If corrections have to be made, the internal examinee will certify that the corrections as suggested have been carried out and the thesis can be submitted.
- Once the defense is scheduled and the third report is still not received, the third examiner report is not required and appropriate communications shall be made by the academic section to the third examiner.

R.15.4 In the event of the candidate being required to submit a revised Ph.D. thesis, s(he) shall in the normal circumstances, submit the same within a period of six months from the date of communication in this regard from the Dean (Academic). However, in exceptional circumstances this period may be extended by the Dean (Academic) by another six months, the total revision time irrespective of the number of revisions allowed, will not exceed a period of one year.

## **Open Research Day**

The IIT Jammu Open Research Day is an annual event for demonstration and research discussions by UG, PG, and Ph.D. scholars of IIT Jammu. The Research Scholars' Day provides an opportunity for our UG, PG, and Ph.D. students to showcase the research that they are conducting at IIT Jammu which is also a vital part of their educational experience at IIT Jammu.

- On the Open Research Day, B. Tech, M. Tech, and Ph.D. scholars at IIT Jammu will showcase their research work through posters and presentations to
  - All the IIT Jammu stakeholders: Including the Faculties/staff/Research Scholars/UG & PG students
  - PhD Scholars and students of State Universities/CFTIs of J&K (invited)
  - B.Sc./B.E./B. Tech/M. Sc. Students of nearby Engineering Colleges: Mainly catered for students in the final year of their degree courses and wishing to pursue a Ph.D. or M.Sc./M. Tech at IIT Jammu (invited)
  - Relevant Industry Staffs: Many prospective employers will get an opportunity and interact directly with the Industry for a job/internship.
- It is also an opportunity for all the visitors to interact with the IIT Jammu students to explore the state-of-the-art research facilities and enquire about residential and other facilities at IIT Jammu.
- This scientific and technical gathering also serves as a vehicle to foster research collaborations and a chance for our own faculties from our own/other departments who are unaware of the said research to collaborate with each other.
- Also, this will attract other collaborators at other Institutes at J&K and Industries to interact with our research scholars to learn about our student's work and explore the breadth and depth of research.

The day's events will include an inaugural speech by eminent professors, followed by presentations by B. Tech, M. Tech, and Ph.D. scholars, and ends with an awards ceremony.

### **Poster Presentations and Demonstration:**

- All B. Tech, M. Tech, and Ph.D. scholars who wish to participate for the same are welcome to the same. However, the participation must be forwarded from the department/center.
- To control the number of participants initially, the department/center from which the student belongs to can initially screen and shortlist to send the required number of participants for the Open Day Research event.
- Each participant will be provided with a place for demonstration and the scholar needs to bring their poster printed.
- A classroom will be assigned to the participants if they want to demonstrate the software.
- The poster cost will be reimbursed by the Institute
- The ten best researchers chosen by the jury will be provided with Rs. 30000/- as prize money each.
- The jury will be composed of Senior Professors from the Institute whose students are not participating in the event.

**Cost per Year to organize the event:**

Speaker of the event		
	Travel	25000/-
	Honorarium	10000/-
	Other	20000/-
Consumables for the events		
	Posters and Printing	150000/-
	Food and if any	25000/-
Prize		
	10 prizes each @ 30000/-	300000/-
Total		530000/-(c