

MINUTES
OF THE 8TH MEETING OF THE SENATE POSTGRADUATE COMMITTEE (2025-26)
HELD ON MAY 5, 2026 (TUESDAY) FROM 03:00 PM
DOAA CONFERENCE ROOM (FACULTY ANNEX BUILDING (DOAA), LEVEL-4)

Members Present : Prof(s): Arnab Samanta (AE), Gaurav Tiwari (CE), Dipin S Pillai (CHE), Madhav Ranganathan (CHM), Debadatta Mishra (CSE), Shatarupa Thakurta Roy (DES), Sarani Saha (ECO), Abhishek Kumar Gupta (EE), Animesh Mandal (ES), Rajarshi Sengupta (HSS), Vinay Ramani (DoMS), Nanditha J S for Sarosh Alam Ghausi (KSS), Pritam Chakraborty (MSP), Arijit Ganguly (MTH), Chanchal Sow (PHY), Aakash Chand Rai (SEE)

Members Absent: Prof(s): Appu Kumar Singh (BSBE), Ark Verm (CGS), Ketan Rajawat (IS), Anikesh Pal (ME), Shobit Omar (MSE), Sapam Ranjita Chanu (PSE), Kunal P Mooley (SPASE),

Senate Nominee: Prof. Sudhanshu Shekhar Singh (Absent), Prof. Naren Naik

Student representatives: Mr. Kartik Rout (Absent), Mr. Utkarsh Tripathi, Mr. Vishal Dixit for Ms. Kumari Ritika, Mr. Mohak Pravin Pachpor

A) Confirmation of minutes of 7th SPGC meeting held on April 7, 2026

The minutes were confirmed.

B) To ratify the following decisions taken /approvals given by Chairman, SPGC:

Requests below were submitted to SPGC with recommendations from supervisor and DPGC and were approved Chairperson SPGC. These approvals were ratified by SPGC.

S. No.	Roll No.	Name	Dept.	Prog.	Request For	Remark
1	251140611	Vishal Sharma	DoMS	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 05/July/2026 (Completed minimum course work in 2025-26-I; registered for compulsory courses in 2025-26-II semester.)
2	241040618	Muntaha Rafiq	EE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 05/July/2026 (Completed minimum course work in 2025-26-I. Unable to prepare adequately for the exam on time due to academic reason.)
3	242180619	Umang Srivastava	BSBE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 05/July/2026 (Completed minimum course work in 2025-26-I. Require extra time to prepare for the exam.)
4	242040620	Vartika Tiwari	EE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 05/July/2026 (Completed minimum course work in 2025-26-I. Currently working on a biosensor project and preparing a manuscript.)
5	242140601	Nikhilesh Dwivedi	DoMS	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 19/Sep/2025 Approved till 30/April/2026 (Completed minimum course work in Summer-25. Completed additional required coursework during the July-December 2025.)

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S. No.	Roll No.	Name	Dept.	Prog.	Request For	Remark
6	251050621	Kamal Verma	ME	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 30/Nov/2025 Approved till 05/May/2026 (Programme changed from MTech to PhD from 2025-26-I semester.)
7	251140606	Neeraj Gangwal	DoMS	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 05/July/2026 (Doing one additional course this semester.)
8	251040631	Rahul Singh Gusai	EE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 05/July/2026 (Completed minimum course work in 2025-26-I. Delay due to medical reason.)
9	242180617	Sudhakar Matia	BSBE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 05/July/2026 (Completed minimum course work in 2025-26-I. Need additional time to understand the project work techniques and prepare for examination.)
10	242180613	Saswati Das	BSBE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 05/July/2026 (Completed minimum course work in 2025-26-I. Currently working on hypothesis. Need some more time to complete.)
11	242180611	Rahul Kumar	BSBE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 05/July/2026 (Completed minimum course work in 2025-26-I. Request extension to complete preparation appropriately.)
12	21108265	Guruprasad	MTH	PhD	Extension of thesis submission deadline (1 st extension)	Due date: 21/April/2026 Approved till 21/July/2026 (Due to medical reason.)
13	18104271	Chiranjeev Prachand	EE	PhD	Extension of thesis submission deadline (1 st extension)	Due date: 28/April/2026 Approved till 28/July/2026 (Due to experimental work delay.)
14	241060022	Shivam Shantanu	MSE	MTech	Change of Registration from MTech to Ph.D Programme	Approved from Summer term-2026 as per clause 4.6(a) of the PG Manual.
15	<ul style="list-style-type: none"> - Sirak Masresha Telele/242010605/AE/PhD - Zewudu Wondimagegne Asfaw/241060613/MSE/PhD - Yohannes Tadesse Meshesha/242010606/AE/PhD 				Summer term-2026 leave (Foreign National Students)	Approved as special cases.

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C) Extension of Comprehensive Examination Deadline:

The following decisions were made.

S. No	Roll No	Name	Dept	Prog	Supervisor/DPGC Recommendation	SPGC Decision
1	242040605	Anusuya Nandi	EE	PhD	Recommended	Initial due date of the comprehensive exam was 19 Sep 2025. Delay due to completing an additional course (EE647) in 2025-26-I semester as advised by thesis supervisor. After due deliberation, the SPGC approved the first extension request until 9 April 2026 (in retrospect).
2	241040605	Chhatrapal Singh	EE	PhD	Recommended	Initial due date of the comprehensive exam was 19 Sep 2025. First extension approved till 31 Jan 2026. Student failed in his first attempt which was conducted within the deadline. After due deliberation, the SPGC approved the second extension request until 23 March 2026 (in retrospect) as per clause 8.6 of the PG Manual.

D) Extension of SOTA Seminar Deadline:

S. No	Roll No	Name	Dept	Prog	Supervisor/DPGC Recommendation	SPGC Decision
1	231190604	Gyanesh Sharan	DES	PhD	Recommended	Initial due date of the SOTA seminar was 22 January 2026. Delay due to unavoidable reasons. As date of application exceeds the three months period, SPGC approved a final extension of six months till 22 July 2026.

E) New course approval

Course No.	Title	Credits	Proposing Instructor	SPGC Decision
CE729	Hydropower and turbomachines	3-0-0-0 (9)	Dr. Chunendra K Sahu	Approved
CHE634	Fluid Dynamics of Microscopic Self-propulsion	3-0-0-0 (9)	Dr. Akash Choudhary	Approved
DES654	Physical Ergonomics in product and facility design	3-0-0-0 (9)	Dr. Ashish Kumar Singh	Approved
DES656	Cognitive Ergonomics in Hybrid Physical-Digital Interfaces	3-0-0-0 (9)	Dr. Ashish Kumar Singh	Approved

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F) Change of registration from MSR/MDES/MTech to PhD Program:

SPGC discussed the requests of the students (Table below) as per clause 4.6 of the PG manual. Change will be considered w.e.f. 2026-27-I Semester.

S. No.	Roll No	Name	Dept	Prog	Supervisor & DPGC Recommendation	Remark	SPGC Decision
1.	241050050	Nikhil Raj	ME	MTECH	Recommended	CPI = 8.13 CU = 72 TC = 45S/9X	Approved*
2.	241060023	Shivansh Gupta	MSE	MTECH	Recommended	CPI = 8.63 CU = 72 TC = 54S/0X	Approved*
3.	241030033	Divyam Nehra	CE	MTECH	Recommended	CPI = 7.62 CU = 72 TC = 45S/0X	Approved*

*Students have completed courses and CPI requirement as per clause 4.6 (b) of PG Manual

G) Exit from PhD programme with MTech/MS-Research/MA-Research Degree

S. No.	Roll No.	Name	Dept	Prog	Supervisor/ DPGC Recommendation	Details	SPGC Recommendation
1	231020601	Chhavi Shukla	CHE	PhD	Recommended	CU = 51 TU = 99S/63X CPI = 7.20 Last Qualifying: MTech (As per 7.8.2)	After due deliberation, the SPGC recommends the student's exit with the MSR degree from Summer Term 2026 based on the recommendations of the Supervisor and DPGC.
2	22228261	Shivani Rakesh Pande	CGS	PhD	Recommended	CU = 113 TU = 315S/0X CPI = 9.00 Last Qualifying: BTech (As per 7.8.3)	The application is returned to the department for a specific recommendation regarding the exit degree to be awarded.
3.	231010612	Avadhesh Kumar Tiwari	AE	PhD	Recommended	CU = 93 TU = 117S/0X CPI = 9.32 Last Qualifying: BTech (As per 7.8.2)	After due deliberation, the SPGC recommends the student's exit with MSR degree from Summer Term 2026 based on the recommendations of the Supervisor and DPGC.

*This matter will be sent to the Senate for consideration.

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H) Appeal for reinstatement:

The following decisions were made.

S. No.	Roll No	Name	Dept	Prog	Termination Reason	Supervisor (s)/ DPGC Recommendation for reinstatement	SPGC Recommendation for reinstatement
1	17101265	Imran Rasheed	AE	PhD	Under clause 7.2 of the PG Manual (Academic extension)	Recommended	As the student's thesis is ready for submission, the SPGC recommends reinstatement from Summer Term 2026. The student must submit the thesis by 4 August 2026, failing which the student's programme shall be discontinued.
2	231010077	Suman Bramhdev Yadav	AE	MTECH	Under clause 11.6.1.1 of the PG Manual	Recommended	After due deliberation, the SPGC recommends reinstatement of the student from Summer Term 2026 to complete the thesis oral defence. The student did not appear for the oral examination within the stipulated time as the student had joined a job.
3	241050079	Shubham Chaurasia	ME	MTECH	PG APEC 2025-26-I (7.7.2. (iii)) >= 3X ALL	Not Recommended	After due deliberation, the SPGC recommends reinstatement of the student from Summer Term 2026. The Supervisor and DPGC have recommended reinstatement. The request for conversion to Part-Time programme may be resubmitted upon reinstatement.

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S. No.	Roll No	Name	Dept	Prog	Termination Reason	Supervisor (s)/ DPGC Recommendation for reinstatement	SPGC Recommendation for reinstatement
4	231030051	Saranik Banerjee	CE	MTECH	Under clause 11.6.1.1 of the PG Manual	Recommended	After due deliberation, the SPGC recommends reinstatement of the student from Summer Term 2026 to complete the thesis oral defence. The student did not appear for the oral examination within the stipulated time as the student had joined a job.

*This matter will be sent to the Senate for consideration.

I) Request to appoint External Co-Supervisor

S. No.	Roll No	Name	Dept	Prog	Supervisor and DPGC Recommendation	Approval for Co-Supervisor	SPGC Decision
1	21129268	Pradyumna Das	SEE	PhD	Recommended	Prof. Ranjan Ganguly Professor, (Power Engineering Department, Jadavpur University, Kolkata)	Recommended. To be sent to Chairman, Senate for approval.
2	241060608	Bhumika Sanjay Patankar	MSE	PhD	Recommended	Prof. Ravi Prakash Srivastava Assistant Professor, (Department of Materials Engineering, IIT Jodhpur)	Recommended. To be sent to Chairman, Senate for approval.
3	242060604	Suraj Kumar Chaudhary	MSE	PhD	Recommended	Prof. Soumya Sridar Assistant Professor, (Department of Metallurgical and Materials Engineering, IIT Madras)	Recommended. To be sent to Chairman, Senate for approval.

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J) Any other item with the permission of chair:

S. No.	Item Description	Remark
1	Request for permission to complete EE801 and EE888 in online mode. (Alok Kumar Mishra/232040602/ EE/PT/PhD)	Currently, Clause 7.1.4 does not specifically mention any provision for Part-Time students to complete seminar courses in online mode. After due deliberation, the SPGC decided to send a proposal to the Senate for amendment of the clause. The concerned DPGC is requested to apprise the student accordingly and advise the student to resubmit the request after approval of the proposed changes by the Senate.
2	To discuss modification requests from Prof. Naren Naik: (a) MSR admission procedure in Sec 2.4 can be modified to address the following: For MS(R) admissions may be made directly into research/sponsored funded-projects of Pis via a regular admission process. Eligibility for such an admission may include expressed-choice and compatibility with respective research projects; in addition to a valid GAT/CEED score for non-CFTI candidates, or a corresponding CPI requirement for CFTI candidates. (b) Existing Sec 2.8.2: For project employees of IIT Kanpur seeking admission to the M.S. by Research programme, the candidate should have been working in a project at IIT Kanpur for at least one year at the time of admission instead of the two years requirement mentioned above. The one year period can be reduced to 3 months. (c) Replace some MTech seats with MSR. (d) Limit maximum number of PhD students per faculty at institute level. (e) Review spot admission procedure to avoid possible discrepancy.	After due deliberation, SPGC decided to form a 3 member sub-committee having the members, (i) Prof. Naren Naik (EE, convener) (ii) Prof. Vinay Ramani (DoMS) (iii) Prof. Dipin Pillai (CHE) to prepare a proposal addressing points (a), (b), (d) and (e). For point (c), department can approach DoAA with a modified seat matrix for admissions.
3	Approval of three thesis supervisors. (Shah Neelkumar Bhaveshbhai/ 252010607/ AE/PhD) violating clause 11.1.1 of the PG Manual.	After due deliberation, the SPGC approved the request as a special case since the student will be working in areas requiring the expertise of the three supervisors.
4	To include "Erstwhile Department of Industrial & Management Engineering" below Department of Management Sciences to the degree of the MTech students graduating from the department.	After due deliberation, the following recommendations were made by SPGC: (i) To have Department of Industrial & Management Engineering mentioned only on certificates of students who were admitted before the name change. (ii) Modify the name of the M.Tech. program to M.Tech program in IME. The DPGC convener was requested to discuss these options and prepare a separate proposal.

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S. No.	Item Description	Remark
5	To discuss the comment/feedback received on the proposal for the MSPD rules and template (DPGC CHM).	In the 7th SPGC meeting (2025–26), it was decided that the proposal would be circulated to the departments for their comments/feedback. The proposal, along with the comments/feedback received, is enclosed as Annexure-A . The comments/feedback received were discussed in the meeting. The Chairperson, SPGC, suggested that the matter be shared with the SEPC for further consideration.
6	To discuss the comment/feedback received on the proposal for the Changes to Increase Enrollment of Industry Professionals in PhD Program.	In the 7th SPGC meeting (2025–26), it was decided that the proposal would be circulated to the departments for their comments/feedback. The proposal, along with the feedback/comments received, is provided in Annexure-B . The feedback/comments received were discussed in the meeting, and after due deliberation, the SPGC decided to send the proposal to the Senate for approval.
7	To discuss additions of Annexures IX and X in the PG Manual.	The proposed changes are provided in Annexure-C . After due deliberation, the SPGC decided to send the proposal to the Senate for approval.
8	To discuss modifications in clause 7.8 based on the recommendation of PGARC implementation committee.	The proposed modifications in Clause 7.8 of the PG Manual to incorporate the Senate-approved recommendations of the PGARC Implementation Committee (563rd meeting) were discussed. After due deliberation, the SPGC decided to send the proposal to the Senate for approval. The modified and existing clauses are provided in Annexure-D .
9	To discuss termination of student program under clause 7.8.5 (Amal M S/22101262/AE/MSR)	Deferred to next SPGC meeting.
10	Proposal to Define the 'Stipulated Time Frame' for Academic Appeals to Prevent Unintended Semester Drops	The SPGC deliberated the matter and decided that based on PG-APEC a provisional list of students recommended for termination from program can be prepared before the supplementary exam. The final recommendation for termination from program will only be made once the grades after supplementary exams are declared.
11	Income & Asset Certificate for EWS (format as Annexure II.3 in the PG Manual)	Deferred to next SPGC meeting.

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MSPD CHEMISTRY: RULES & REGULATIONS

ADMISSION PROCEDURE

Admission to the Programme is strictly through the Joint Admission Test for Masters (JAM), according to the All-India Rank (AIR) and the preference as given by the candidate. All the admission rules are identical as the ones for MSc (2-year) program.

MIGRATION TO Ph. D. PROGRAM:

Under normal circumstances, an MSPD student migrates to the PhD program on completion of all the courses of the standard MSc template except for the MSc project. The laboratory courses of MSc are replaced by three 9 credit project courses. Typically, the MSc course requirement can be fulfilled by the end of third semester of the program. The courses taken after migration to the PhD program will count towards the PhD degree.

COURSE REQUIREMENT FOR PhD DEGREE

As in the usual PhD program, the student will be required to take 4 PG courses to complete the course requirements. The principles course (of each discipline) of the PhD degree are not mandatory for MSPD students. CHM888 requirement will be waived off provided this course has been taken in the Masters part of the program. Each student is required to take zero credit seminar courses twice during the entire duration of the PhD program.

SCHOLARSHIP PRIOR TO PHD MIGRATION

- 1) All MSPD students are eligible to get an MSc scholarship of Rs.6000/- p.m. when in the first semester; for subsequent semesters they have to have a minimum CPI of 8.0 to avail this scholarship. For a student with a CPI of less than 8.0, the scholarship will be discontinued until his/her CPI rises to 8.0 or above and shall be resumed in the following next semester.
- 2) If an MSPD student has not converted/migrated as PhD student at the end of three semesters, due to reasons such as backlogs and semester drops, and the CPI is not less than 8.0, then the scholarship, which had earlier been withheld, may be awarded. The decision will be taken on a case-to-case basis, depending on the merit.
- 3) Under normal circumstances, an MSPD student shall receive the MSc scholarship for a total of four semesters only.

SCHOLARSHIP AFTER MIGRATION TO THE PhD PROGRAM

Subsequent to migration to the PhD program, the student is eligible for the usual PhD scholarship starting from the 5th semester. In case the student does not have an external source of funding,

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the institute will support the student for the remaining duration of the PhD program provided their CPI is greater than 8.0 in the MSc part of the program.

SUMMER TERM

Until MSPD students migrate to the PhD part of the program and start availing of their PhD scholarship, they can spend a minimum period of 8 weeks during every Summer term doing a project on campus with a faculty member of the Department of Chemistry, IIT Kanpur. If the student wants the stipend to continue in the summer, he/she has to work on the project. Co-supervisor from within IITK or outside IITK is allowed. However, in case they spend time outside IITK for the project, they should not get funding from two sources. The MSPD student can register for minimum of 18 units and a maximum of 27 units which can be a combination of project thesis **CHM699/CHM700/CHM799** and backlog courses, if any. A student who does not do a project is not eligible for receiving any scholarship for two months during the summer.

MIGRATION TO PhD PART & MSc DEGREE

1) From the perspective of whether MSc or PhD rules applies, the time spent in completing the MSPD's first 2 years of approved coursework can be split into two parts:

A) First 1.5 years of coursework: During this period an MSPD student will be governed by the rules meant for MSc (2-year) students (except for the course template).

B) Fourth semester of coursework: MSPD students migrate to the PhD part of the program provided they have cleared all the prescribed courses during the first three semesters with at least 8.0 CPI. Furthermore,

(i) If a student has migrated to this part on time (i.e., at end of third semester), then during this period the student will be governed by the rules meant for the PhD students (except for the course template). The student will be required to find a suitable supervisor for PhD and this should be approved along with migration to the PhD program.

(ii) If a student has not migrated to this part on time, then the student keeps doing the coursework meant for the fourth semester and in addition clears the backlogs in parallel. The student will be governed by the rules meant for MSc (2-year) students (except for the course template).

(iii) When a student migrates late (after fourth or later semester), then, the student can choose to select courses in the template that should be counted as their PhD coursework. The remaining courses of the template should, however, be completed in addition to some CHM799 credits such that minimum credits each semester is 36. The student will be governed by the rules meant for PhD students (except for the course template).

2) If a student completes the two-year-coursework but is still unable to migrate (CPI

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less than 8.0), then the student can either

(a) exit the program with an **MSc by thesis degree (new degree that needs approval)** by registering for 36 credits of **M Sc thesis** (need new course number – CHM797 ?) for the for the 5th and 6th semesters.

(b) continue doing extra elective courses to improve the CPI to 8.0.

The maximum duration in such cases is (4 semester times 1.5) 6 semesters after which the enrolment of the student from the program will be revoked. A student who has indicated a desire to exit the program and is registering for CHMXXX (an MSc Thesis course) is eligible to receive Rs.6000 per month scholarship during the rest of the exit MSc by thesis degree provided their CPI is greater than 8.0. The M Sc thesis will be evaluated as per the rules of Masters thesis evaluation in the institute (e.g. M Tech thesis).

3) MSPD student will get an MSc (2-year) degree after successful completion of the full two-year-course-template of MSPD program (including the courses of the 4th semester). This degree will be awarded at the end of completion of the PhD program or exit from the PhD program. A provisional certificate can be given for availing of scholarships (such as CSIR/UGC).

MAXIMUM DURATION: Since the PhD stipend starts after 2 years, the usual PhD timelines will be followed after 2 years in the program. The normal duration of the program is 7 years and the maximum duration of the program is 8 years.

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MSPD Template, Dept of Chemistry

Semester 1	Semester 2	Semester 3	Semester 4 (PhD Part)
CHM401(9)	CHM402(9)	CHM611(9)	DE-4(9)
CHM321(9)	CHM322(9)	CHM621(9)	DE-5(9)
CHM345(9)	CHM342(9)	CHM631(9)	DE-6/OE-3(9)
CHM521(6)	CHM443(6)	DE-2/PGP2(9)	DE-7/OE-4(9)
CHM503(6)	OE-1(9)	DE-3(9)	CHM800#
CHM423(6)	DE-1/PGP1(9)	OE-2(9)	CHM801#
			CHM888(6)
45 credits	51 credits	54 credits	42 credits

PGPs must be in different labs

CHM800 and CHM801 are zero credit seminar courses that have to be taken two times during the entire duration of the PhD program

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Comments/Feedback received on the proposal for MSPD (Chemistry) rules and template

S. No.	Dept.	Comments/Feedback
1	CE	There are no comments from CE department.
2	ES	The department of ES, in principle, is in support of proposal with the following minor suggestions: Proposal is okay. However, in terms of implementation, the MSPD program should have a uniform format and should be in line with the already approved MSPD program of the institute.
3	PHY	The collective feedback from Physics as follows: 1. MSPD is an approved program of the institute like BT/BS/MSc/MS etc. The timelines and guidelines should be changed by individual departments for the same program type. If such a proposal is accepted then any department, in principle, can have its own rules for any other institute-wide program which of course is not desirable. 2. There is a prescribed CPI cutoff for migration. Changing it to 8.0 will be detrimental to the department. In fact, with 8.0 CPI, direct PhD admission can be offered without having the MSPD route. 3. PHY799 can not be taken during summer term by students who have not migrated to PhD program yet. 4. What is the need for a new "MSc by thesis" degree. A student failing to migrate to PhD due to CPI, but finishes all required courses should be awarded MSc degree as an exit option. For PhD students, Institute already has exit option as MSR degree. 5. Not only the rules (CPI/migration/etc) but also the credits per semester should be highly comparable with other MSPD programs of the institute. 6. "Scholarship for the remaining period of the PhD program" in page 2 is ambiguous and should be modified. 7. Any decision for routine matters on case-to-case basis (page 1) can be challenged (even in the court) and should be avoided at all cost. 8. To say that the student finishes M.Sc part in 3 semesters and migrates to PhD, but will get PhD stipend only from 5th semester does not serve any purpose at all. PhD stipend should start when the student migrates to PhD. 9. Conclusion: CHM should first make their program adhere to all the existing approveds of MSPD, get it approved, run it a few times, and then come with proposals (if needed) to modify the rules for MSPD in SPGC; any modifications in the fundamental structure of MSPD (or any institute-wise program for that matter) can not be department specific. Moreover, Since the initiation of a new academic program constitutes a fundamental matter of educational policy, it should be referred to the SEPC.

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Proposal for Changes to Increase Enrollment of Industry Professionals in PhD Program***Motivation***

The provisions allowing enrollment of industry professionals as external students in our PhD program facilitates their training toward an advanced degree at IITK, while promoting the role of our institute as a mentor towards the growth of research and development activities in industries of national importance. Additionally, the industry professionals can be active participants in projects involving their organizations and our faculty members. This can create an avenue for smooth transfer of knowledge on the technologies being developed under these projects.

Although the report of PGARC 2020–21 report emphasized the importance of giving equal attention to aligning the PhD program with industry research and development, no progress has been made in that direction over the past four years. This is evident from the table below which shows the number of external and regular students in our PhD program for the last 4 years, and it is significantly disproportionate.

Table 1: PhD Admissions from 2022 to 2025

Semester	Total Admitted PhD	External Candidates
2022-23-I	231	1
2023-24-I	263	2
2024-25-I	367	5
2025-26-I	410	2

Currently, external PhD students need to spend a minimum of a semester and a summer term (5-6 months) in our campus, to complete course credit requirements followed by comprehensive exam and submission of a proposal related to their PhD work. A majority of interested candidates usually find it difficult to obtain such a long leave from their organization and hence, decide against joining our program.

While, attending on-campus course works inculcate knowledge relevant for the targeted research activity, it may not be necessary for industry professionals who have a post-graduate degree and/or have been working for significant amount of time, in the planned area of research towards PhD. Also, availability of several high-quality online courses with proctored examinations (NPTEL etc.) provides an alternate option to enhance knowledge in relevant subject areas. Incorporating these options in the PG program for external students can help relaxing the residency requirement and may increase the number of external candidates in our PhD program.

Proposed modification**7.4. Advance Standing at IITK**

Existing	Modification (presented in SPGC meeting)	Modification (SPGC recommendation)
On the recommendation of the DPGC and approval of the SPGC, a student admitted to a postgraduate programme after partial	On the recommendation of the DPGC and approval of the SPGC: (a) A student admitted to a postgraduate programme after partial completion of	On the recommendation of the DPGC and approval of the SPGC: (a) A student admitted to a postgraduate programme after partial completion of

*Dr. CE
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Existing	Modification (presented in SPGC meeting)	Modification (SPGC recommendation)
completion of such or similar programme elsewhere may be granted an exemption up to 50 percent of the minimum course credits requirements. A Ph.D. student who has completed the two year M.Sc. programme at this institute can transfer a maximum of 18 postgraduate course credits earned during the M.Sc. programme towards fulfillment of his/her course requirement for the Ph.D. programme on the recommendation of the DPGC and approval of the SPGC, provided these credits were in excess of the minimum requirement for earning the M.Sc. degree.	<p>such or similar programme elsewhere may be granted an exemption up to 50 percent of the minimum course credits requirements.</p> <p>(b) A Ph.D. student who has completed the two year M.Sc. programme at this institute can transfer a maximum of 18 postgraduate course credits earned during the M.Sc. programme towards fulfillment of his/her course requirement provided these credits were in excess of the minimum requirement for earning the M.Sc. degree.</p> <p>(c) A maximum of 36 course credits may be waived for a PhD student under external registration who has a post-graduate in the planned area of research and has been working in the organization for five years or more.</p> <p>(d) A maximum of 36 course credits may be substituted with successfully completed equivalent online courses identified by the department for a PhD student under external registration.</p>	<p>such or similar programme elsewhere may be granted an exemption up to 50 percent of the minimum course credits requirements.</p> <p>(b) A Ph.D. student who has completed the two year M.Sc. programme at this institute can transfer a maximum of 18 postgraduate course credits earned during the M.Sc. programme towards fulfillment of his/her course requirement provided these credits were in excess of the minimum requirement for earning the M.Sc. degree.</p> <p>(c) A maximum of 18 course credits may be transferred for a PhD student under external registration who has a Masters degree in the planned area of research.</p> <p>(d) A maximum of 18 course credits may be substituted with successfully completed equivalent online courses identified by the department for a PhD student under external registration.</p>

7.1. Minimum Duration, Maximum Duration and Academic Requirements

Existing	Modification (SPGC recommendation)
Students in the External Registration Programme will be required to stay on the campus at least as long it takes to (i) complete the required course work and pass the comprehensive examination (in case of a PhD student) and (ii) get a written proposal (prepared in consultation with his/her supervisor and co-supervisor) outlining the work proposed to be done for his/her thesis.	Students in the external registration category will be required to stay on campus to attend the required offline courses to complete the minimum course credit requirement.

Dr. C. E.
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Comments/Feedback received on the proposal for Changes to Increase Enrollment of Industry Professionals in PhD Program

S. No.	Dept.	Comments/Feedback
1	CE	There are no comments from CE department.
2	ES	<p>The department of ES, in principle, is in support of proposal with the following minor suggestions:</p> <p>Modifications to the clause '7.4 Advance Standing at IITK'(of PG manual [1]) to Increase Enrollment of Industry Professionals in PG program:</p> <p>The proposal is well-drafted and much needed to encourage industry professionals to join for the PhD. It is desirable that they are also allowed to do the coursework online, but must take rigorous offline exams, at least partially.</p>
3	CHM	<p>The proposal regarding increase in enrollment of external students was circulated to Chemistry department. There were no comments received regarding this proposal.</p> <p>There was one comment that suggested that the stipulation of a 2-year working duration at an organization before a candidate can apply for PhD can be reduced to 1 year.</p>

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Addition of Annexure IX for clause 7.1 in PG Manual

The Senate approved SRC recommendations in 579th meeting states “Annexure IX gives the minimum requirements specified by the departments”. The following inputs were received from the departments for incorporation in Annexure IX.

Annexure IX

Department specific requirements.

Dept.	Programme	Minimum Total Credits	Credits Through Course Work (Minimum)	Credits Through Research (Minimum)	Minimum Duration	Maximum Duration
AE	M.Tech.	144	72	72	4 Sem	4 Years
	Ph.D. after B.Tech./4-year B.S./M.Sc.	216	54	72	6 Sem	7 Years
BSBE						
CHE						
CHM						
CE						
CGS						
CSE	M.Tech	144	63	63	4 Sem	4 Years
DES						
ES	Ph.D. after M.Tech	144	36	72	4 Sem	6 Years
	Ph.D. after B.Tech./ 4-year B.S.	216	72	72	6 Sem	7 Years
	Ph.D. after MSc	180	36	72	5 Sem	6 Years
ECO	PhD after M.Tech./ M.D./ M.Sc./ M.A./ M.Phil./ M.Com. or B.Tech./ 4-year B.S./ B.Pharm./ M.B.B.S./ B.V.Sc	216	72	72	6 Sem	7 years
	PhD after MSc in economics from IITK	180	36	72	5 Sem	6 years
EE	M.Tech	144	72	72	4 Sem	4 Years
	Ph.D. after B.Tech./B.Des./B.Arch./ B.Pharm./B.V.Sc./M.B.B.S./ 4-year B.S./M.Sc./M.C.A./ M.V.A./M.Arch./M.A.	216	72	72	6 Sem	7 Years
HSS						
DoMS	Ph.D. (Management) after B.Tech./ 4-year B.S./M.Sc./M.A./ M.Com/CA, CS, ICWA/M.Pharm	216	72	72	6 Sem	7 Years
IS						
KSS	M.Tech	144	72	72	4 Sem	4 Years
	Ph.D. after M.Tech	144	36	72	4 Sem	6 Years
	Ph.D. after B.Tech	216	72	72	6 Sem	7 Years
MSE						

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Dept.	Programme	Minimum Total Credits	Credits Through Course Work (Minimum)	Credits Through Research (Minimum)	Minimum Duration	Maximum Duration
MSP						
MTH						
ME						
PSE						
PHY						
SPASE						
SEE	Ph.D. after MTech	198	54	144	4 Sem	6 Years
	Ph.D. after BTech/MSc	216	72	144	6 Sem	7 Years
	MTech	144	72	72	4 Sem	4 Years
	MSR	144	54	90	4 Sem	4 Years

Annexure X

Department specific eligibility requirement in over and above those specified in 2.3 of PG Manual.

Sustainable Energy Engineering

1. Integrated PhD

Those applicants may also be considered who have a bachelor's degree (of minimum 3-year duration) in Physics/Chemistry/Mathematics with a minimum of 60 percent marks/6.0 CPI and a valid JAM score in their discipline (e.g., Physics majors must qualify in the JAM Physics paper).

Economic Sciences

1. PhD

The candidate must have a Master's degree in economics or a Bachelor's degree in Engineering or Sciences (4 year programme) or a Master's degree in Sciences or in an allied field of economics with marks/CPI not below the specified minimum. The candidates must have Mathematics as one of the subjects in their Class XII examination. The candidate must either have a valid GATE score or must have qualified JRF/NET. The requirement of GATE/JRF/NET/JEST is waived for candidates having a Master's degree in Sciences/arts from IITs/ IISERs / NITs with a minimum CPI of 8.0.

Electrical Engineering

1. PhD

The requirement of GATE/JRF is waived for candidates having a Master's degree in sciences from CFTIs with a minimum CPI of 8.0.

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Existing Clause

7.8. Exit from Ph.D. Programme

7.8.1 If a Ph.D. student in an engineering department does not hold a master's degree in engineering, he/she may exit from the programme with an M.Tech. degree provided

- (i) a request to this effect is made not before the student has completed two-and-half years (excluding the period of sanctioned leave, if any) in the programme;
- (ii) the request is approved by the Senate on the recommendations of DPGC and SPGC; and
- (iii) the student has completed all the requirements of the M.Tech. degree (including a thesis).

7.8.2 If a Ph.D. student is in an engineering department and holds a master's degree in engineering or if the Ph.D. student is in a non-engineering department, he/she may request with proper justification to exit from the programme with a degree/diploma as per the department template (details can be seen [here](#)). The request has to be recommended by the thesis supervisor, DPGC and SPGC and approved by the Senate. The student should fulfil all the requirements for the exit degree/diploma, including any thesis/project requirement, for graduating with the exit degree/diploma.

7.8.3 Students who joined Masters' program (M.Tech./M.Des./M.S. by Research) and converted into PhD program can exercise the exit option any time after the accumulation of the requisite number of overall credits for the award of the masters' degree.

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PhD Exit Options as per the PGARC Report V 2.2

Recommended by the PGARC Implementation Committee

R.8.12. Exit options for PhD.

The current exit options are to be modified as follows for all PhD programmes (including Sciences, Engineering, and Humanities and Social Sciences):

- i. MTech/MAR/MDes/MSR/MBA/PG Diploma degree is proposed as the exit degree for PhD in all the disciplines.
- ii. The candidates should fulfill the MTech/MAR/MDes/MSR/MBA/PG Diploma degree requirements.
- iii. Departments which are not having an MAR/MSR/PG Diploma program have proposed an MAR/MSR/PG Diploma exit-degree program and its requirements.
- iv. A PhD student can opt for the Diploma or Master's exit option at any point of time in his/her PhD tenure. However, the minimum residency period for Diploma and Master's exit degrees are 3 and 5 regular semesters, respectively. Degree will be awarded only after completing the credit requirements for the exit degree.
- v. MTech/MAR/MDes/MSR/PG Diploma thesis/project guide will be assigned by the DPGC Convener.
- vi. A student failing in the comprehensive examination for two consecutive times may, on the recommendation of DPGC, be shifted to the exit track of PG Diploma/M.Tech./MAR/MDes/MS-R programme.
- vii. The decisions on shifts to the exit degree programs will be taken by the SPGC and placed as a noting item in the Senate.
- viii. Once a student moves to the exit degree program, his stipend would be the same as the stipend for that exit degree in the corresponding department. The change in the stipend will start from the month in which the SPGC approves the shift to the exit degree program.
- ix. With the introduction of the PG Diploma by multiple departments, and because of its similarity with the existing DIIT program in terms of credit requirements, it is recommended that the existing DIIT program may be re-named as PG Diploma.

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**Annexure-D
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Annexure 3:

Sr. No.	Dept	Exit Degree(s)	Minimum Total Credits (Minimum Course + Minimum Thesis credits)	New Degree offered within the department (Y/N)	New degree offered within the institute (Y/N)	Offered only as an exit degree (Y/N)	Annexure	Remarks
1.	AE	MTech	144 (72+72)	N	N	N	4.1	
		MSR	144 (36+108)	N	N	N		
2.	BSBE	MTech	180 (54+126)	N	N	N	4.2	
3.	CHE	MTech	144 (54+72)	N	N	N	4.3	MTech: Min 2.5y MSR: Min 2y
		MSR	144 (36+90)	N	N	N		
4.	CE [#]	MTech	144 (72+72)	N	N	N	4.4	
		MSR	144 (36-45 + 99-108)	N	N	N		
5.	CSE [#]	MTech	144 (63 +72)	N	N	N	4.5	
		MSR	144 (36 +72)	N	N	N		
6.	DES	MDes	144 (72+72)	N	N	N	4.6	
		MSR	144 (72+ 72)	N	N	N		
7.	EE	MTech**	144 (72+72)	N	N	N	4.7	
		MSR	144 (36+72)	N	N	N		
8.	IME	MTech	144 (72+63)	N	N	N	4.8	
		MBA	216 (216+0)	N	N	N		
9.	MSE	MSR	150 (36+72)	Y	N	Y	4.9	
10.	ME	MSR	144 (45+72)	N	N	N	4.10	
11.	SEE	MTech	144 (72+72)	N	N	N	4.11	Only during or after 7 th semester – So minimum 3.5 years
12.	HSS	MA by Research (MAR)	144 (54+90)	Y	Y	Y	4.12	Min CPI of 6.5 required
13.	CHM	MSR	150 (42+108)	Y	N	Y	4.13	
14.	CGS	MSR	144(54+72)	N	N	N	4.14	
		MTech**	144(54+72)	N	N	N		

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**Annexure-D
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15.	ES	MTech	144	N	N	N	4.15	
16.	ECO	MSR	144 (72+72)	Y	N	Y	4.16	For students who passes the comprehensive exam
		PG Diploma	108 (72 + 36)	Y	Y	Y		For students who fail the comprehensive exam twice
17.	MTH	MSR (Mathematics)	144 (42+72)	Y	N	Y	4.17	MSR: completion of five regular semesters and passing comprehensive exam are compulsory PGD: completion of three regular semesters is compulsory
		MSR (Statistics)	144 (42+72)	Y	N	Y		
		PG Diploma (Mathematics)	72 (36+18)	Y	Y	Y		
		PG Diploma (Statistics)	72 (36+18)	Y	Y	Y		
18.	PHY	MSR	144 (36+108)	Y	N	Y	4.18	
19.	SSA	MTech	144 (72+ 72)	N	N	N	4.19	
20.	MSP	MTech**	217 (55+162)	N	N	N	4.20	MTech: Min 2.5y MTech: Min 3y MSR: Min 2y
		MTech+	271(73+198)	N	N	N		
		MSR ^{&}	180 (36+144)	N	Y	N		
21.	NET	-	-	-	-	-	-	
22.	PSE	MTech	144 (72+72)	N	N	N		
		MSR	144 (36+108)	N	N	N		

**only for students with Bachelors as the qualifying degree.

+MSc qualifying degree

[&] Only for students with M.Tech. as qualifying degree.

[#] Students with M.Tech. (from same Dept.) from IIT Kanpur, can only choose MSR as the exit degree. Students with MSR (from same Dept.) from IIT Kanpur, can only choose M.Tech. as the exit degree. For all other students, they may choose either M.Tech. or MSR as the exit degree.

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Modified Clause

7.8. Exit from Ph.D. Programme

7.8.1 A Ph.D. student can exit from the programme with a MTech/MAR/MSR/MDes/MBA degree or PG Diploma provided,

(i) a request to this effect has been made by the student and approved by the SPGC on the recommendations of thesis supervisor and DPGC. The approved decisions are to be placed as a noting item in the Senate.

(ii) All the requirements of the exit degree/diploma, including minimum credits (refer Annexure XI), thesis/project, and a minimum residency of five regular semesters for the MTech/MAR/MSR/MDes/MBA exit option and three regular semesters for the PG Diploma exit option is completed. This excludes the period of sanctioned leave, if any.

7.8.2. All the requirements of exit must be successfully completed within six months from approval or completion of minimum residency period (see 7.8.1), whichever is maximum. Under exceptional circumstances, this period can be extended for another three months by the SPGC on the recommendation of DPGC for bonafide reasons. If the requirements of the exit degree/diploma are not completed within the stipulated period including the extension, the exit option from PhD programme will stand cancelled and the student's program will be terminated.

7.8.3 A student failing in the comprehensive examination for two consecutive times may, on the recommendation of DPGC, be shifted to the exit track of PG Diploma/M.Tech./MAR/MDes/MSR programme.

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ANNEXURE XI

DEPARTMENT-WISE EXIT DEGREE PROGRAMS & CREDIT REQUIREMENTS

S. No.	Dept	Exit Degree(s)	Minimum Total Credits (Minimum Course + Minimum Thesis credits)
1.	AE	MTech	144 (72+72)
		MSR	144 (36+108)
2.	BSBE	MTech	180 (54+126)
3.	CHE	MTech	144 (54+72)
		MSR	144 (36+90)
4.	CE#	MTech	144 (72+72)
		MSR	144 (36-45 + 99-108)
5.	CSE#	MTech	144 (63 +72)
		MSR	144 (36 +72)
6.	DES	MDes	144 (72+72)
		MSR	144 (72+ 72)
7.	EE	MTech**	144 (72+72)
		MSR	144 (36+72)
8.	IME/DoMS	MTech	144 (72+63)
		MBA	216 (216+0)
9.	MSE	MSR	150 (36+72)
10.	ME	MSR	144 (45+72)
11.	SEE	MTech	144 (72+72)
12.	HSS	MA by Research (MAR)	144 (54+90)
13.	CHM	MSR	150 (42+108)

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S. No.	Dept	Exit Degree(s)	Minimum Total Credits (Minimum Course + Minimum Thesis credits)
14.	CGS	MSR	144(54+72)
		MTech**	144(54+72)
15.	ES	MTech	144
16.	ECO	MSR	144 (72+72)
		PG Diploma	108 (72+36)
17.	MTH	MSR (Mathematics)	144 (42+72)
		MSR (Statistics)	144 (42+72)
		PG Diploma (Mathematics)	72 (36+18)
		PG Diploma (Statistics)	72 (36+18)
18.	PHY	MSR	144 (36+108)
19.	SSA/SPASE	MTech	144 (72+ 72)
20.	MSP	MTech**	144 (63+63)
		MTech+	271(73+198)
		MSR &	144 (36+72)
21.	NET	-	-
22.	PSE	MTech	144 (72+72)
		MSR	144 (36+108)

**Only for students with Bachelors as the qualifying degree.

& Only for students with M.Tech. as qualifying degree.

Students with M.Tech. (from same Dept.) from IIT Kanpur, can only choose MSR as the exit degree.

Students with MSR (from same Dept.) from IIT Kanpur, can only choose M.Tech. as the exit degree. For all other students, they may choose either M.Tech. or MSR as the exit degree.

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