

MINUTES
OF THE 11TH MEETING OF THE SENATE POSTGRADUATE COMMITTEE (2025-26)
HELD ON JULY 20, 2026 (MONDAY) FROM 10:30 AM
DOAA CONFERENCE ROOM (FACULTY ANNEX BUILDING (DOAA), LEVEL-4)

Members Present: Prof(s): Arnab Samanta (AE), Madhav Ranganathan (CHM), Debadatta Mishra (CSE), Abhishek Kumar Gupta (EE), Animesh Mandal (ES), Vinay Ramani (DoMS), Anikesh Pal (ME), Pritam Chakraborty (MSP), Chanchal Sow (PHY), Aakash Chand Rai (SEE)

Members Present (Online): Prof(s): Ark Verm (CGS), Rajarshi Sengupta (HSS), Sarosh Alam Ghausi (KSS), Satya Prakash Singh (SDS)

Members Absent: Prof(s): Appu Kumar Singh (BSBE), Gaurav Tiwari (CE), Dipin S Pillai (CHE), Shatarupa Thakurta Roy (DES), Sarani Saha (ECO), Ketan Rajawat (IS), Shobit Omar (MSE), Arijit Ganguly (MTH), Sapam Ranjita Chanu (PSE), Kunal P Mooley (SPASE)

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

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

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

Requests below were submitted to SPGC with recommendations from supervisor and DPGC. SPGC ratified the approval given by Chairperson, SPGC to the requests.

(a) Extension of Comprehensive exam, SOTA seminar and Thesis submission deadline.

S. N o.	Roll No.	Name	Dept.	Prog.	Request For	Remark
1	251020604	Ankush Verma	CHE	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. (CPI is below than required (6.26) at the end of 2025-26-I semester, improved the CPI (6.98) in 2025-26-II semester.)
2	251140603	Diksha Kumari	DoMS	PhD	Extension of comprehensive examination deadline (2 nd extension)	Due date: 05/May/2026 1 st extension approved till 05/July/2026 2 nd extension approved till 05/Sep/2026 (Last extension) Completed minimum course work in 2025-26-I. (Request extension to prepare for comprehensive examination.)
3	241040618	Muntaha Rafiq	EE	PhD	Extension of comprehensive examination deadline (2 nd extension)	Due date: 05/May/2026 1 st extension approved till 05/July/2026 2 nd extension approved till 15/Aug/2026 (Last extension) Completed minimum course work in 2025-26-I. (Request for extension due to the unavailability of one of the committee members.)
4	251040615	Farhan Kamil	EE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 31/July/2026 Completed minimum course work in 2025-26-I. (Request for extension due to taking additional coursework in the 2025-26 II semester because of the non-appointment of a supervisor in the 2025-26 I semester.)

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S. N o.	Roll No.	Name	Dept.	Prog.	Request For	Remark
5	242180613	Saswati Das	BSBE	PhD	Extension of comprehensive examination deadline (2 nd extension)	Due date: 05/May/2026 1 st extension approved till 05/July/2026 2 nd extension approved till 05/Aug/2026 (No more extension to be granted) Completed minimum course work in 2025-26-I. (Currently working on hypothesis. Need some more time to complete it.)
6	242120605	Neha	MSP	PhD	Extension of comprehensive examination deadline (2 nd extension)	Due date: 05/May/2026 1 st extension approved till 05/July/2026 2 nd extension approved till 31/July/2026 (Last extension) Completed minimum course work in 2025-26-I. (Failed in 1 st attempt, due to unavailability of examiners, comprehensive examination cannot schedule within the given time.)
7	242040614	Nitish Kumar	EE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 15/Aug/2026 Completed minimum course work in 2025-26-I. CPI was below than required (6.40) at the end of 2025-26-I semester. Improved the CPI (7.20) in 2025-26-II semester.
8	242040617	Sudip Mandal	EE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 05/May/2026 Approved till 30/Sep/2026 Completed minimum course work in 2025-26-I. CPI was below than required (6.25) at the end of 2025-26-I semester. Improved the CPI (6.75) in 2025-26-II semester.
9	241040608	Devendra Kumar Saini	EE	PhD	Extension of comprehensive examination deadline (1 st extension)	Due date: 19/Sep/2025 Approved till 15/Aug/2026 Completed minimum course work in 2024-25-II. CPI was below than required (6.20) till the end of 2025-26-I semester. Improved the CPI (6.80) in 2025-26-II semester.
10	251020604	Ankush Verma	CHE	PhD	Extension of comprehensive examination deadline	Due Date: May 05 ,2026 Approved till 05/Nov/2026 (last extension) Completed minimum course work in 2025-26-I. CPI was below than required (6.26) at the end of 2025-26-I semester. Registered for additional courses in 2025-26-II to improve CPI.
11	232050615	Zounnoon Shaaban	ME	PhD	Extension of SOTA Seminar deadline (2 nd extension)	Due date: 11/Apr/2026 Approved till 11/Nov/2026
12	241290608	Siddharth Chaudhary	SEE	PhD	Extension of SOTA Seminar deadline (2 nd extension)	Due date: 10/ May / 2026 Approved till 10/Nov/2026
13	241090611	Nila Kantha Mahanta	PHY	PhD	Extension of SOTA Seminar deadline (2 nd extension)	Due date: 14/Apr/2026 Approved till 14/Oct/2026
14	20102265	Manisha	CHE	PhD	Extension of thesis submission deadline	Due date: 20/Jul/2026 Approved till 20/Oct/2026

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- (b) Request for registration exemption of 2026-27-I semester (Naveen Kumar Verma/ 22102267/ CHE/ PhD/ QIP): As per clause 4.f. of the PG manual. (CC:36, TC: 234S/0X, CPI: 7.75).

B) Extension of Comprehensive Examination Deadline:

The following decision was made.

S. No	Roll No	Name	Dept	Prog	Supervisor/DPGC Recommendation	SPGC Decision
1	242140602	Pavan Saxena	DoMS	PhD	Recommended	The initial due date was 19/Sep/2025 . The first extension was requested until 18/Sep/2026 . The minimum required courses (36) were completed during the Summer Term 2025 , and the additional courses (81) were completed in the 2025–26-II semester (third semester) . After due deliberation, the SPGC approved the extension request until 18/Sep/2026 .

C) New course approval

Course No.	Title	Credits	Proposing Instructor	SPGC Decision
MBA768M	Evolution of Marketing 1.0 to 6.0	3-0-0-0 (5)	Dr. Jitender Kumar, Dr. Vivek Rastogi	Approved
MBA769M	FMCG Marketing	3-0-0-0 (5)	Dr. Jitender Kumar, Dr. Vivek Rastogi	Approved
DMS713	Research Methodology – the Art of Doing and Communicating Research	3-0-0-0 (9)	Dr. Devlina Chatterjee, Dr. Jothsna Rajan	Approved
DES663	Design of Agricultural Farms and Cropping Systems	3-0-0-0 (9)	Dr. Mainak Das	Approved
DES662	History of Design – I	1-0-2-0 (5)	Dr. Subhajit Chandra	Approved
DES661	Product Aesthetics	1-0-6-0 (9)	Dr. Shoubhik Dutta Roy	Approved
DES664	Material Thinking & Exploration for Industrial Design	3-0-0-0 (9)	Dr. J Ramkumar , Mr. Girish Ishwar Lone (Prof. of Practice)	Approved
EE605*	Linear Algebra for Engineering	3-0-0-0 (9)	Dr. Ketan Rajawat	Approved
IS722	Intelligent Autonomous Systems	3-0-0-0 (9)	Dr. Salahudden , Dr. Anirban Roy	Approved
DES665	Design Project 1 – Product Design	3-0-0-0 (9)	Mr. Girish Ishwar Lone (Prof. of Practice)	Approved

*Revised proposal changes are less than 20%

*Pls sent
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D) 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.	241010059	Tejas K N	AE	MTECH	Recommended	CPI = 7.00, CU = 72, TC = 81S/0X	Approved [#]
2.	241060001	Aditya Das	MSE	MTECH	Recommended	CPI = 9.25, CU = 72,	Approved [#]
3.	251180016	Pranay P	BSBE	MTECH	Recommended	CPI = 9.52, CU = 59,	Approved [*]

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

E) Change of Registration from Full-Time to Part-Time in MTech/MSR/MDES/PhD Program:

SPGC discussed the requests of the students (Table below) as per clause 4.8 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.	241050079	Shubham Chaurasia	ME	MTECH	Recommended	CPI = 9.50 CU = 72 TC = 18S/27X NOC Provided	Approved
2.	241110074	Suvam Mukhopadhyay	CSE	MTECH	Recommended	CPI = 7.83 CU = 54 TC = 54S/0X NOC Provided	Approved
3.	241030044	Hrushikesh Nandi	CE	MTECH	Recommended	CPI = 7.71 CU = 77 TC = 54S/0X NOC Provided	Approved
4.	241050091	Vikas Verma	ME	MTECH	Recommended	CPI = 7.25 CU = 72 TC = 18S/0X NOC Provided	Approved

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

S. N o.	Roll No.	Name	Dept	Prog	Supervisor/ DPGC Recommendation	Details	SPGC Recommendation
1*	242060602	Jeetendra Kumar Pradhan	MSE	PhD	Recommended	CU = 72 TU = 162S/9X CPI = 8.75 Last Qualifying: MSc (As per 7.8.3)	After due deliberation, the SPGC recommends the student's exit with the MTech degree based on the recommendations of the Supervisor and DPGC.
2*	232040604	Farhat Manzoor	EE	PhD	Recommended	CU = 81 TU = 126S/0X CPI = 8.88 Last Qualifying: BTech (As per 7.8.1)	After due deliberation, the SPGC recommends the student's exit with the MTech degree based on the recommendations of the Supervisor and DPGC.

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

G) Appeal for reinstatement:

After due deliberation, 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.*	231010069	Parmar Shaliniben Dilipbhai	AE	MTECH	CPI<6, 3 or more Xs	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board. If reinstated, the student is advised to transfer her programme from M.Tech to M.Tech (with project).
2.*	251010008	Aniket Dhanraj Bhagat	AE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester.
3.*	251010015	Gaurav Rathore	AE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester.
4.*	251010035	Rathod Roshan Nayak	AE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester.
5.*	251180008	Arpon Malick	BSBE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester.
6.*	251180018	Riya Kundu	BSBE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board.

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S. No.	Roll No	Name	Dept	Prog	Termination Reason	Supervisor (s)/ DPGC Recommendation for reinstatement	SPGC Recommendation for reinstatement
7.*	251180025	Varun G	BSBE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester.
8.*	251180026	Yogesh Vijay Kale	BSBE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board.
9.*	251180605	Aniket Babu Gaikwad	BSBE	PhD	CPI<6.5	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board.
10.*	251180621	Komal Kumari	BSBE	PhD	CPI<6.5	Recommended	Recommended from 2026-27-I semester.
11.*	22103077	Sachin Kumar Prajapati	CE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester.
12.*	241030014	Anirudh Kosley	CE	MTECH	3 or more Xs	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board.
13.*	251030055	Karthik Mantri	CE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board.
14.*	251030102	Shivji	CE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester.
15.*	251030621	Shalini Kumari Das	CE	PHD	CPI<6.5	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board.
16.*	251020403	Parth Amish Kanani	CHE	MSR	3 or more Xs	Recommended	Recommended from 2026-27-I semester.
17.*	251020624	Sujeet Kumar	CHE	PhD	CPI<6.5	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board.
18.	231040132	Anirudh Ghosh	EE	MTECH	3 or more Xs	Not Recommended	Sent back to department
19.*	251040036	Baishali Gautam	EE	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester.
20.*	20105054	Harshit Jain	ME	MTECH	3 or more Xs (2022-23-II)	Recommended	Recommended from 2026-27-I semester.
21.	241060029	Sumit Kumar	MSE	MTECH	3Xs or more	Recommended	Sent back to department
22.*	251120012	Priyanshu	MSP	MTECH	CPI<6	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board.

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S. No.	Roll No	Name	Dept	Prog	Termination Reason	Supervisor (s)/ DPGC Recommendation for reinstatement	SPGC Recommendation for reinstatement
23.*	21129261	Balavinayagam K	SEE	PhD	8 or more Xs (2025-26-I)	Recommended	Recommended from 2026-27-I semester. If reinstated, the student is advised to exit the PhD programme with MTech degree, subject to the fulfillment of all the requirements for the exit degree.
24.*	22129261	Bibhudatta Sahoo	SEE	PhD	8 or more Xs	Not recommended	Recommended from 2026-27-I semester. If reinstated, the student is advised to exit the PhD programme with MTech degree, subject to the fulfillment of all the requirements for the exit degree.
25.*	232290609	Mudit Vishal Choudhary	SEE	PhD	CPI<6.5	Not recommended	Not recommended. Student performance did not improve in the last one year and the student has not completed the comprehensive examination.
26.*	241310012	Teg Bahadur	SPASE	MTECH	3 or more Xs	Recommended	Recommended from 2026-27-I semester.
27.*	241110611	Vijiyant Tanaji Shejwalkar	CSE	PhD	under clause 5.7 of PG manual	Recommended	Recommended from 2026-27-I semester. Student must obtain fitness certificate from the institute medical board. If reinstated, the student is advised to exit the PhD programme with MTech degree, subject to the fulfillment of all the requirements for the exit degree.

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

H) Request to appoint External Co-Supervisor

S. No.	Roll No	Name	Dept	Prog	Supervisor and DPGC Recommendation	Approval for Co-Supervisor	SPGC Decision
1	21203275	Ratnesh Kushwaha	CE	PhD	Recommended	Dr.-Ing. Alexander Kehm. Scientist, (Federal Agency for Cartography and Geodesy (BKG) in Frankfurt am Main, Germany)	Recommended. To be sent to Chairman, Senate for approval.
2	251030626	Viral Choudhary	CE	PhD	Recommended	Dr.-Ing. B.V.S. Viswanadham Professor, (Department of Civil Engineering, IIT Bombay)	Recommended. To be sent to Chairman, Senate for approval.
3	231010602	Aravind Dhananjeyan	AE	PhD	Recommended	Dr. Ashish Bhateja Associate Professor (School of Mechanical Sciences, IIT Goa)	Recommended. To be sent to Chairman, Senate for approval.

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I) Any other item with the permission of chair:

S. No.	Item Description	Remark
1	To discuss the modification in VLFM Courses Content Minor changes (within 20%) in course no VLM601 to VLM606	After due deliberations SPGC approved the revised course content of VLM 601 to VLM606.
2	To discuss the proposed changes to the PG Manual: Department of SEE.	The Convener, DPGC SEE, submits the proposal for the proposed changes to the various clauses of the PG Manual. After due deliberation SPGC recommended the modifications enclosed in Annexure-A . This matter is to be placed before the Senate in its forthcoming meeting for approval.
3	To discuss the proposed program template and courses under Department of SDS	After due deliberations SPGC approved the proposed program template and courses provided in Annexure-B under Department of SDS with the comments given below. • M.Sc. (2-Years) should be replaced by M.Sc. everywhere. • ELC 114 should be included in the total credits. • Under Annexure -5 minimum credits requirements for PhD in SDS will be included in Annexure-IX of the PG Manual under department specific minimum requirements.

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30/07/2026

ANNEXURE-A

PG Manual Section	Existing	Proposed
Add 1.1.9	<i>Not applicable</i>	Programme leading to the Integrated Doctor of Philosophy (Integrated PhD) in Sustainable Energy Engineering.
Modify 4.3.5:	Notwithstanding the provisions of 4.3.1, a normal semester load is defined as equivalent of 50 credits for MSc/MSPD student. For a well-merited case, the SPGC may permit a student to register for a maximum of 65 credits and a minimum of 35 credits.	Notwithstanding the provisions of 4.3.1, a normal semester load is defined as equivalent of 50 credits for MSc/MSPD/ Integrated PhD student. For a well-merited case, the SPGC may permit a student to register for a maximum of 65 credits and a minimum of 35 credits.

Rename existing Annexure VI as VI (a) and add a new annexure VI (b)**Integrated PhD program: Academic roadmap and other details:****1. Academic Roadmap**

- In the first year of the program the students will follow the course template provided in Annexure VII(b).
- Students migrate to the PhD part of the programme provided they have cleared all the courses of the first year as per the template with CPI of at least 6.5. After successful migration, the student will be governed by the rules meant for the PhD students joined directly after B.Tech./B.S. (4 years)/M.Sc. degree.
- Students failing to migrate to the PhD program within the first year are allowed to credit 600 and above level courses in the second year. Any such courses taken during the second year will be counted towards their total credit requirement.
- Failing to migrate to the PhD program within 2 years of admission may result in the termination of the student's programme.

2. Summer Term

Students must register following clause 4.4. of PG manual. However, until the students migrate to the PhD part of the program, they are not allowed to register for thesis credits in summer.

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Rename existing Annexure VII as VII(a) and add a new annexure VII (b)**Course Template for Integrated PhD Programme**

Sem I	Sem II	Sem III onwards
MSO203M	ESO203	As per the department template for PhD students with B.Tech./B.S.(4 years)/M.Sc. degree.
ESC111M	ESO201	
ESC201	TA212	
ESO204	SEE211	
ESO225	SEE4XX	
TA211	HSSXXX	
Credits: 49	Credits: 51	

*Includes 100 credits of below 600-level foundational courses and 72 credits of 600-level and above courses.

Add Serial no. 14 in table 7.1 of Annexure-E (Approved in 579th Meeting of the Senate)

S. No.	Programme	Minimum Total Credits	Credits Through Course Work (Minimum)*	Credits Through Research (Minimum)*	Minimum Duration ^{1,2}	Maximum Duration ³
14	Integrated PhD with BSc (minimum 3 year)	316	172	144	8 Sem	8 years

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PGDesk

From: Spgcmem <spgcmem-bounces@lists.iitk.ac.in> on behalf of dpgc_sds
<dpgc_sds@iitk.ac.in>
Sent: 02 July 2026 13:12
To: SPGC
Cc: Spgcmem; Pgdesk
Subject: Re: [SPGC] Proposed program template and courses under department of SDS
Attachments: Cover Letter_SPGC_July_2.pdf; Untitled attachment 00016.txt

Dear Prof. Chakraborty,

There is some formatting issue in ANNEXURE 7. Please find the corrected file attached.

On 2026-07-02 10:05, SPGC wrote:

Dear Members,

Please find attached the proposal. Kindly send your inputs by 09/07/2026.

Regards.

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Thanks and Regards,

Pritam Chakraborty
Chairperson, SPGC

Re ce
30/07/2026

To
Prof. Pritam Chakraborty
Chairman, SPGC

Date: June 26, 2026

Subject: Proposed Programme Templates and Courses under the Department of Statistics & Data Science

Dear Prof. Chakraborty,

As you are aware of, the Department of Statistics and Data Science (DSDS) has recently been established at IIT Kanpur. The academic programmes currently under DSDS are:

BS (Statistics and Data Science)
MS (Statistics and Data Science)
MSc (2-Year) Statistics
PhD (students supervised by the DSDS faculty members)

As part of the academic reorganization, the **M.Sc. (2-year) Statistics** and **Ph.D. in Statistics** programmes are transferred from the erstwhile **Department of Mathematics and Statistics** to the Department of Statistics and Data Science.

In this regard, the DPGC of the department seek the approval of SPGC for the following items:

1. Revision of the existing M.Sc. (2-year) Statistics Programme Template

To align the programme template with the new departmental nomenclature, all courses currently having the prefix **MTH** is proposed to be renamed as **SDS**. The numerical course codes (**XXX**) as well as the course contents of these courses will remain unchanged. We are also requesting the creation of the M.Sc project (elective) course codes SDS598 and SDS599. Kindly note that the existing MTH598 and MTH599 shall continue to be in operation by the Department of Mathematics. There is **no change in the credit structure, or semester-wise credit requirements** in the proposed template of the programme. The proposed template for Y26 and later batches, is given in **Annexure 1**. For your kind reference, the current Senate approved template of the M.Sc. (2-year) program is given in **Annexure 2**.

2. List of M.Sc. (2-year) Statistics DC and Project courses with new numbering

List of all the DC and M.Sc. Project courses of the M.Sc. (2-year) Statistics program, with their existing MTH numbering (and credit) and the corresponding proposed SDS numbering (and credit), are given in **Annexure 3**.

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3. Correspondence table of the MTH and SDS courses for Y25 and earlier M.Sc. Students

The correspondence table of the MTH and SDS courses for the Y25 and earlier M.Sc. (2-year) Statistics students is given in Annexure 4.

4. Renumbering of Ph.D. Statistics Compulsory courses

The compulsory courses for Ph.D. Statistics programme currently having prefix MTH are proposed to be renamed as SDS. The numerical course codes (XXX) as well as the course contents of these courses will remain unchanged.

We also propose to change the communication course number from MTH889M to SDS888M, to align with the senate mandate (https://web.iitk.ac.in/july14doaan/data/2025%20Files/571_16.pdf). There is no change in the credit structure of the proposed courses as compared with the existing courses.

The proposed course/research credit requirements and course listing of the compulsory Ph.D. courses are given in Annexure 5.

5. Correspondence table of the MTH and SDS courses for Y25 and earlier Ph.D. Students

The correspondence table of the MTH and SDS compulsory courses for Ph.D. Statistics students of Y25 or earlier batches is given in Annexure 6.

6. List of Elective Courses from the Department of Statistics and Data Science

Elective courses earlier offered by Probability and Statistics group faculty members, under MTH numbering, were primarily associated with the Probability and Statistics group of the erstwhile Department of Mathematics and Statistics. Following the establishment of the Department of Statistics and Data Science, we propose that these courses be administered by the new department with new course numbering with SDS nomenclature, without changing their course content and course credit. The list of all such courses is provided in Annexure 7.

The proposal is for your kind consideration and approval.

With regards,


(Satya Prakash Singh)
Convenor, DPGC
Department of Statistics & Data Science


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ANNEXURE 1

Department of Statistics and Data Science
M.Sc. (2-year) Statistics Curriculum (Y26 and later)

Semester I	Semester II	Semester III	Semester IV
MSO 205 - Introduction to Probability Theory (3-1-0-0) [11]	SDS 309 – Probability Theory (3-1-0-0) [11]	SDS 441 – Linear Regression and ANOVA (3-0-1-0) [10]	SDS 314 - Multivariate Analysis (3-0-1-0) [10]
SDS 432M - Sampling Theory [06]	(Modular – Part 1) SDS 212M – Elementary Stochastic Processes I (3-1-0-0) [06]	SDS 515 – Inference II (3-1-0-0) [11]	SDS 312 – <i>Data Science Lab 3</i> (1-0-2-0) [05]
SDS 434M - Complex Analysis [06]	(Modular – Part 2) SDS 313M – Elementary Stochastic Processes II (3-1-0-0) [06]	SDS 516 - Non-Parametric Inference (3-1-0-0) [11]	DE-2 [09]
SDS 433 - Real Analysis (3-1-0-0) [11]	SDS 418 - Inference I (3-1-0-0) [11]	DE-1 [09] / SDS 598 [09]	DE-3 [09]
SDS 208 – Data Science Lab 1 (0-0-3-2) [05]	SDS 210 – Statistical computing (3-0-1-0) [10]	OE-1 [09]	DE-4 [09] / SDS 599 [09]
SDS 206M Matrix Algebra and Linear Estimation I (3-1-0-0) [06]	SDS 209 – <i>Data Science Lab 2</i> (1-0-2-0) [05]		OE-2 [09]
SDS 207M Matrix Algebra and Linear Estimation II (3-1-0-0) [06]			
ELC 114  (2-1-0-1) [09]			
60	49	50	51

Credits:

DC: 147

DE: 36

OE: 18

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ANNEXURE 2

Current Senate Approved Template

M.Sc. (2-yr) Statistics (starting 2022-23)

Semester I	Semester II	Semester III	Semester IV
MSO205 - [11]	MTH309 - [11]	MTH441 - [10]	MTH314 - [10]
(Modular – Part 1) MTH432M - [06]	(Modular – Part 1) MTH212M - [06]	MTH515 - [11]	MTH312 - [05]
(Modular – Part 2) MTH434M - [06]	(Modular – Part 2) MTH313M - [06]	MTH516 - [11]	DE-2 [09]
MTH433 - [11]	MTH418 - [11]	DE-1 [09] / MTH598 [09]	DE-3 [09]
MTH208 - [05]	MTH210 - [10]	OE-1 [09]	DE-4 [09] / MTH599 [09]
MTH206 - [06]	MTH209 - [05]		OE-2 [09]
MTH207 - [06]			
ELC112 (2-1-0-1) [09]			
60	49	50	51

Credits:

DC: 147

DE: 36

OE: 18

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ANNEXURE 3

Department of Statistics and Data Science

Note: The following table lists all the DC and M.Sc. Project courses of the M.Sc. (2-years) Statistics program template with their existing MTH numbering (with credit) and the corresponding proposed SDS numbering (and credit).

Course Name	Old Number	New Number
Sampling Theory (Modular)	MTH 432M (06)	SDS 432M (06)
Complex Analysis (Modular)	MTH 434M (06)	SDS 434M (06)
Real Analysis	MTH 433 (11)	SDS 433 (11)
Data Science Lab 1	MTH 208 (05)	SDS 208 (05)
Matrix Algebra and Linear Estimation I (Modular)	MTH 206M (06)	SDS 206M (06)
Matrix Algebra and Linear Estimation II (Modular)	MTH 207M (06)	SDS 207M (06)
Probability Theory	MTH 309 (11)	SDS 309 (11)
Elementary Stochastic Processes I (Modular)	MTH 212M (06)	SDS 212M (06)
Elementary Stochastic Processes II (Modular)	MTH 313M (06)	SDS 313M (06)
Inference I	MTH 418 (11)	SDS 418 (11)
Statistical Computing	MTH 210 (10)	SDS 210 (10)
Data Science Lab 2	MTH 209 (05)	SDS 209 (05)
Linear Regression and ANOVA	MTH 441 (10)	SDS 441 (10)
Inference II	MTH 515 (11)	SDS 515 (11)
Non-Parametric Inference	MTH 516 (11)	SDS 516 (11)
Multivariate Analysis	MTH 314 (10)	SDS 314 (10)
Data Science Lab 3	MTH 312 (05)	SDS 312 (05)

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Note: Students on templates before Y26 ($\leq$ Y25) may require the following elective courses with MTH course numbering. The Project courses listed below have the following equivalence:

Course Name	Old Number	New Number
M.Sc. Project-I	MTH 598 (09)	SDS 598 (09)
M.Sc. Project-II	MTH 599 (09)	SDS 599 (09)

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ANNEXURE 4

Department of Statistics and Data Science

Note: Students on templates before Y26 ($\leq$ Y25) will require taking courses with MTH course numbering. Accordingly, the following courses may be treated as equivalent.

Course Name	Old Number	New Number
Sampling Theory (Modular)	MTH 432M (06)	SDS 432M (06)
Complex Analysis (Modular)	MTH 434M (06)	SDS 434M (06)
Real Analysis	MTH 433 (11)	SDS 433 (11)
Data Science Lab 1	MTH 208 (05)	SDS 208 (05)
Matrix Algebra and Linear Estimation I (Modular)	MTH 206M (06)	SDS 206M (06)
Matrix Algebra and Linear Estimation II (Modular)	MTH 207M (06)	SDS 207M (06)
Probability Theory	MTH 309 (11)	SDS 309 (11)
Elementary Stochastic Processes I (Modular)	MTH 212M (06)	SDS 212M (06)
Elementary Stochastic Processes II (Modular)	MTH 313M (06)	SDS 313M (06)
Inference I	MTH 418 (11)	SDS 418 (11)
Statistical Computing	MTH 210 (10)	SDS 210 (10)
Data Science Lab 2	MTH 209 (05)	SDS 209 (05)
Linear Regression and ANOVA	MTH 441 (10)	SDS 441 (10)
Inference II	MTH 515 (11)	SDS 515 (11)
Non-Parametric Inference	MTH 516 (11)	SDS 516 (11)
Multivariate Analysis	MTH 314 (10)	SDS 314 (10)
Data Science Lab 3	MTH 312 (05)	SDS 312 (05)

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Note: Students on templates before Y26 ($\leq$ Y25) may require the following elective courses with MTH course numbering. The Project courses listed below have the following equivalence:

Course Name	Old Number	New Number
M.Sc. Project-I	MTH 598 (09)	SDS 598 (09)
M.Sc. Project-II	MTH 599 (09)	SDS 599 (09)

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ANNEXURE 5

Department of Statistics and Data Science**PhD in Statistics**

The minimum credit requirement for the PhD Statistics program with M.Sc. and B.Tech/B.S. are 54 credits and 72 credits respectively, where the following three courses are compulsory, adding up to 27 credits (credits are mentioned inside the parenthesis):

1. SDS 652: Advanced Calculus (09)
2. SDS 754: Probability Theory (09)
3. SDS 755: Statistical Inference (09)
4. SDS 888M: Introduction to Profession and Communication Skills (S/X)

The minimum research credit requirement for the programme is 72, and students are required to register for 36 research credits per semester after finishing the course-work.

Note: Students admitted to the PhD program on templates before Y26 ($\leq$ Y25) will require taking courses with MTH course numbering. Accordingly, all the courses will now run with their current SDS numberings and their old MTH numberings, until all the backlog requirements are met. The list of courses with both the numberings and their credits is available in the following table.

Required Courses		
Course Name	Old Number	New Number
Advanced Calculus	MTH 652 (09)	SDS 652 (09)
Probability Theory	MTH 754 (09)	SDS 754 (09)
Statistical Inference	MTH 755 (09)	SDS 755 (09)
Introduction to Profession and Communication Skills (Statistics)*	MTH 889M (05)	SDS 888M (05)

***Remark:** Introduction to Profession and Communication Skills, which will be renumbered from MTH 889M to SDS 888M to align with the senate mandate (https://web.iitk.ac.in/july14doan/data/2025%20Files/571_16.pdf).

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ANNEXURE 6

Department of Statistics and Data Science

Note: Students on templates before Y26 ($\leq$ Y25) will require taking courses with MTH course numbering. Accordingly, all these courses will now run with their current SDS numberings and their old MTH numberings, until all the backlog requirements are met. The list of courses with both the numberings and their credits is available in the following table.

Required Courses		
Course Name	Old Number	New Number
Advanced Calculus	MTH 652 (09)	SDS 652 (09)
Probability Theory	MTH 754 (09)	SDS 754 (09)
Statistical Inference	MTH 755 (09)	SDS 755 (09)
Introduction to Profession and Communication Skills (Statistics)	MTH 889M (05)	SDS 888M (05)

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ANNEXURE 7

Department of Statistics and Data Science**List of Equivalence Numbering of Elective Courses from SDS**

The courses listed below, earlier offered under MTH numbering, were primarily associated with the Probability and Statistics group of the erstwhile Department of Mathematics and Statistics. Following the establishment of the Department of Statistics and Data Science (SDS), we propose that these courses be administered by SDS with new course numbers. A request to change the course number is being submitted for the following courses. There is no change of contents in each of the courses and only a change of course code. These courses may also be then treated as equivalent, to avoid double counting of credits.

Elective Courses (credits)		
Course Name	Old Number	New Number
Introduction to Stochastic Calculus	MTH 614 (09)	SDS 614 (09)
Game Theory	MTH 636 (09)	SDS 636 (09)
Spatial Statistics	MTH 643 (11)	SDS 643 (11)
Asymptotic Statistics	MTH 665 (09)	SDS 665 (09)
Robust Statistical Methods	MTH 673 (09)	SDS 673 (09)
Econometrics	MTH 676 (09)	SDS 676 (09)

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Elective Courses (credits)		
Statistical Decision Theory	MTH 681 (09)	SDS 681 (09)
Order Statistics	MTH 682 (09)	SDS 682 (09)
Statistical Simulation, Data Analysis & Model Building	MTH 684 (09)	SDS 684 (09)
Nonlinear Regression	MTH 686 (09)	SDS 686 (09)
Linear & Nonlinear Models	MTH 689 (09)	SDS 689 (09)
Probabilistic Theory of Pattern Recognition	MTH 690 (09)	SDS 690 (09)
Empirical Processes	MTH 695 (09)	SDS 695 (09)
Markov Chain Monte Carlo	MTH 707 (09)	SDS 707 (09)
Statistical Pattern Recognition	MTH 781 (09)	SDS 781 (09)
Statistical Reliability Theory	MTH 784 (09)	SDS 784 (09)
Basic Probability and Distribution Theory	MTH 431 (11)	SDS 431 (11)

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Elective Courses (credits)		
Econometric Theory	MTH 785 (09)	SDS 785 (09)

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