

The meeting of School Board of School of Sciences was held on 28th May 2025 in the Conference Room of Raman Bhawan, School of Sciences at 11.00 am. The following members were present:

1.	Prof. Meenal Mishra	Director-SOS, Chairperson
2.	Prof. Meena Sahai	External Member
3.	Prof. Debendra Kumar Nayak	External Member
4.	Prof. Rita Kakkar (Retd.)	External Member
5.	Prof. K.R. Hari	External Member (Online)
6.	Prof. Nita Mathur	Member (Other School-SOSS)
7.	Prof. Nehal Farooquee	Member (Other School-SOGDS)
8.	Dr. Mita Sinhamahapatra	Member (Other School-SOA) (Online)
9.	Prof. Sujatha Varma	Member
10.	Prof. Sunita Malhotra	Member
11.	Prof. Neera Kapoor	Member
12.	Prof. Sanjiv Kumar	Member
13.	Prof. Lalita S. Kumar	Member
14.	Prof. Shubha Gokhale	Member
15.	Prof. Sanjay Gupta	Member
16.	Prof. Kamalika Banerjee	Member
17.	Prof. Subhakanta Mohapatra	Member
18.	Prof. Benidhar Deshmukh	Member
19.	Prof. Manish Trivedi	Member
20.	Prof. Deepika	Member (Online)
21.	Prof. Vijay Kumar Baraik	Member
22.	Prof. R. Baskar	Member
23.	Prof. Parvesh Bubber	Member
24.	Prof. Aryadeep Roy Choudhury	Member
25.	Prof. Subhalaxmi Lamba	Member
26.	Dr. Venkataraman	Member
27.	Dr. Ravi Rajwanshi	Member
28.	Dr. Seema Kalra	Member
29.	Dr. Omkar Verma	Member
30.	Dr. Krishna Kumar	Member
31.	Dr. M. Boazbou Newmai	Member
32.	Dr. Vishal Singh	Member

Prof. S.A. Hashmi, University of Delhi, Delhi, Dr. Akashay Kumar (SOICS), Prof. S.R. Jha, SOS could not attend the meeting. Whereas, Prof. K.R. Hari, Pt Ravi Shankar Shukla University, Raipur, Dr. Mita Sinhamahapatra (SOA) and Prof. Deepika attended the meeting online.

Prof. Meenal Mishra, Director, SOS, and Chairperson of the School Board of the School of Sciences, began the meeting with a warm welcome to all the School Board members. She welcomed the nominated External Members under Clause 2 (e) of the Statute 10 A, namely Prof. Meena Sahai, University of Lucknow, Lucknow, Prof.

Debendra Kumar Nayak, NEHU, Shillong, Prof. Rita Kakkar, Retired from University of Delhi, Delhi and Prof. K.R Hari, Pt. Ravi Shankar Shukla University, Raipur.

She further welcomed the faculty members from other Schools of IGNOU under Clause (2) (d) of the Statute 10A namely, Prof. Nehal Farooquee, SOGDS, Prof. Nita Mathur, SOSS, and Dr. Mita Sinhamahapatra, SOA. The Chairperson extended a warm welcome to all the internal members of School Board as per Clause (2) (c) of Statute 10A namely, Dr. S. Venkataraman, Dr. Ravi Rajwanshi, Dr. Seema Kalra, Dr. Omkar Verma, Dr. Krishna Kumar, Dr. M. Boazbou Newmai and Dr. Vishal Singh. She thankfully acknowledged the contributions of superannuated member Prof. B.I Fozdar from School of Sciences

Director, SOS apprised the School Board Members about the achievements made by the school since last School Board held on 30th January 2025.

The Minutes of 78th Meeting of School Board of School of Sciences held on 30th January 2025 were circulated on 2nd February 2025 among the members of the School Board. The comments and suggestions received were incorporated and thereafter the final Minutes were circulated on 14th February 2025.

The Chairperson informed the Board that the Minutes of 78th Meeting of School Board of School of Sciences held on 30th January, 2025 were circulated to all the members on 2nd February 2025. The comments were incorporated and the final minutes were circulated on 14th February 2025.

With this introduction, the School Board transacted the following agenda:

Agenda No.	Sub Agenda	Agenda	Annexure(s)
SB 79.1		Confirmation of the Minutes of 78th Meeting of School Board of School of Sciences held on 30th January 2025 and the Action Taken Report on the Minutes	SB 79.1.1 SB 79.1.2
	Matter for Discussion	The Minutes of 78 th Meeting of School Board of School of Sciences held on 30 th January 2025 were circulated on 2 nd February 2025 among the members of the School Board. The comments and suggestions received were incorporated and thereafter the final Minutes were circulated on 14 th February 2025. The Action Taken Report (ATR) on the Minutes of 78 th Meeting of School Board of School of Sciences held on 30 th January 2025.	
	Decision of SB	School Board members deliberated on the decision of the agenda item SB 78.9.4 in the Minutes of 78 th Meeting of School Board of School of Sciences held on 30 th January 2025. The Minutes have been modified as recommended by Board members and are being circulated along with the draft minutes of 79 th School Board. Thereafter the School Board confirmed the Minutes of the 78 th School Board Meeting of School of Sciences along with the Action Taken Report (ATR) on the Minutes of the 78 th School Board Meeting of School of Sciences.	
SB 79.2		Matters arising out of the Minutes of 78th meeting of the School Board of School of Sciences	
	Matter for	Matters arising from the Minutes.	

MINUTES OF SEVENTY NINTH MEETING OF THE SCHOOL BOARD OF SCHOOL OF SCIENCES HELD ON 28TH MAY 2025 AT 11.00 AM

	Discussion		
	Decision of SB	No matter was reported.	
SB 79.3	To consider and approve the Feedback Analysis Report of Subject Experts for the year 2024-2025 from the School of Sciences.		SB 79.3
	Matter for Discussion	School of Sciences has carried feedback analysis using feedback device developed by CIQA (Centre for Internal Quality Assurance) for 'Subject Experts' who were the members of programme expert committee meetings, course expert committee meetings and course writers' committee meetings for the design and development of curriculum of School of Sciences. Feedback from the subject experts was sought based on the theme circulated by CIQA on the "Integration of ICT in Counselling in Open and Distance Learning (ODL)" in the light of the National Education Policy (NEP) 2020. The feedback form was sent via Google Form to the Subject Experts who had participated in the meetings mentioned above. The filled feedback forms of the Experts and Teachers were collected and analyzed. Feedback Analysis Reports prepared on the basis of feedback received from Subject Experts were placed for consideration and approval of the School Board of School of Sciences. After the approval of School Board, the analysis report will be submitted to CIQA.	
	Decision of SB	The School Board members approved the Feedback Analysis Report and further agreed that the report may be submitted to CIQA.	
SB 79.4	To consider and approve agenda items pertaining to the <u>Discipline of Biochemistry</u>		
	SB 79.4.1	To consider and recommend the names of Paper Setters, Members of the Moderation Board and Evaluators for the courses: MBC-007: Bioinformatics and Biostatistics), MBC-008: Genetics and Evolutionary Biology, MBC-009: Clinical Biochemistry, MBC-010: Research methodology, MBC-011 Animal and Plant tissue culture, MBCE-001: Project, MBCE-015: Immunology and Immunological Techniques, MBCE-016: Toxicology and MBCE-017: OMICS of M.Sc. (Biochemistry) Programme (MSCBCH).	SB 79.4.1.1 SB 79.4.1.2 SB 79.4.1.3
	Matter for Discussion	M.Sc. (Biochemistry) programme (MSCBCH) is on offer by SOS since January 2024 admission cycle. In this context the discipline had proposed the names of the Paper Setters, Members of the Moderation Board and Evaluators for courses: MBC-007: Bioinformatics and Biostatistics), MBC-008: Genetics and Evolutionary Biology, MBC-009: Clinical Biochemistry, MBC-010: Research methodology, MBC-011 Animal and Plant tissue culture, MBCE-001: Project, MBCE-015: Immunology and Immunological Techniques, MBCE-016: Toxicology and MBCE-017: OMICS of M.Sc. (Biochemistry) programme.	

MINUTES OF SEVENTY NINTH MEETING OF THE SCHOOL BOARD OF SCHOOL OF SCIENCES HELD ON 28TH MAY 2025 AT 11.00 AM

	Decision of SB	The School Board of School of Sciences considered the names of Paper Setters, Members of the Moderation Board and Evaluators for the courses of M.Sc. (Biochemistry) Programme and recommended the same for the approval of the Competent Authority. The dissent was submitted by Prof. Sunita Malhotra for above mentioned courses regarding the list of experts placed in Annexures who have no PG experience and are employed at various colleges, teaching at UG level (dissent note appended).	
	SB 79.4.2	To consider and recommend the names of course writers for MBCE-015: Immunology and Immunological Techniques and editors of the theory course MBC-004: Enzymes and their Applications of M.Sc. Biochemistry Programme (MSCBCH).	SB 79.4.2
	Matter for Discussion	Biochemistry discipline is in process of developing self-learning study material for M.Sc. (Biochemistry) programme. The Programme Development form (PDF) and Programme Project Report (PPR) forms of M.Sc. (Biochemistry) programme were duly approved by the 58 th meeting of Academic Council Standing Committee held on 21 st November 2022. In this context, the discipline proposed the names of course writers for MBCE-015: Immunology and Immunological Techniques and editors for the theory course MBC-004: Enzymes and their Applications.	
	Decision of SB	The School Board of School of Sciences considered the names of course writer and editor of the courses of M.Sc. Biochemistry Programme and recommended the same for the approval of the Competent Authority.	
SB 79.5	To consider and approve agenda items pertaining to the <u>Discipline of Chemistry</u>		
	SB 79.5.1	To consider and approve the Minutes of 77th Meeting of the Doctoral Research Committee of Chemistry Discipline held on 14th May, 2025.	SB 79.5.1
	Matter for Discussion	The 77 th Doctoral Committee meeting of Chemistry discipline was held on 14 th May, 2025. The following agenda item was discussed: To consider and approve Pre-Thesis seminar of Pragya Kumar (Enroll No. 210271589) enrolled in PhD in Chemistry programme. The above agenda was placed before the School Board of the School of Sciences for its consideration and approval.	
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of the 77 th Meeting of the Doctoral Research Committee of Chemistry Discipline.	
	SB 79.5.2	To consider and approve the list of examiners for the evaluation of PhD thesis of Pragya Kumar (Enrollment No. 210271589) enrolled in PhD (Chemistry) programme.	Confidential Cover
	Matter for	The Ph.D. Scholar Pragya Kumar (Enrollment No. 210271589)	

	Discussion is enrolled in PhD (Chemistry) programme. The details are mentioned below: <table><tr><td>Name</td><td>Pragya Kumar</td></tr><tr><td>Enrolment Number</td><td>210271589</td></tr><tr><td>Date of Registration</td><td>20th July, 2022</td></tr><tr><td>Research Topic</td><td>“Synthesis and Characterization of Novel Electrolytes for Application in Supercapacitors”.</td></tr><tr><td>Name(s) of Supervisor(s)</td><td>Prof. K. Banerjee, (Supervisor) Dr. Yogesh Kumar, ARSD college, University of Delhi, (Co-Supervisor)</td></tr><tr><td>Number(s) of Paper Publication and Details</td><td>Pragya Kumar, Kamalika Banerjee, Yogesh Kumar, “Tailoring novel glycerol-potassium iodide deep eutectic solvents: A comprehensive investigation of physical, structural, and electrochemical properties”, Journal of Molecular Liquids (Elsevier), Volume 414, Part A, 15 November 2024, 126031.</td></tr><tr><td>Nos. of Papers presented in conference/seminar</td><td> • 2nd International Conference on Advanced Functional Materials & Devices organized by IQAC & Department of Physics, ARSD College from 13th to 15th March, 2023, a poster presentation titled, “Influence of the Ethylene Glycol on physio-chemical properties of Novel Deep Eutectic Solvents and Interactions with the Constituents and dual role of Zinc Chloride as Hydrogen Bond Acceptor and Salt”. • International Conference on Current Advances in Applied Physics (ICCAAP-2025) organized by Department of Physics, School of Sciences, MANUU, Hyderabad from 20th to 21st Feb 2025, a poster presentation titled "Ultrasonic-assisted novel deep eutectic solvents for supercapacitor application". </td></tr><tr><td>Pre-PhD Thesis Presentation</td><td>14.05.2025</td></tr></table> The list of Examiners for the Evaluation of the thesis was placed in a confidential cover. The agenda was placed before the School Board of the School of Sciences for its consideration and approval.	Name	Pragya Kumar	Enrolment Number	210271589	Date of Registration	20 th July, 2022	Research Topic	“Synthesis and Characterization of Novel Electrolytes for Application in Supercapacitors”.	Name(s) of Supervisor(s)	Prof. K. Banerjee, (Supervisor) Dr. Yogesh Kumar, ARSD college, University of Delhi, (Co-Supervisor)	Number(s) of Paper Publication and Details	Pragya Kumar, Kamalika Banerjee, Yogesh Kumar, “Tailoring novel glycerol-potassium iodide deep eutectic solvents: A comprehensive investigation of physical, structural, and electrochemical properties”, Journal of Molecular Liquids (Elsevier), Volume 414, Part A, 15 November 2024, 126031.	Nos. of Papers presented in conference/seminar	• 2nd International Conference on Advanced Functional Materials & Devices organized by IQAC & Department of Physics, ARSD College from 13th to 15th March, 2023, a poster presentation titled, “Influence of the Ethylene Glycol on physio-chemical properties of Novel Deep Eutectic Solvents and Interactions with the Constituents and dual role of Zinc Chloride as Hydrogen Bond Acceptor and Salt”. • International Conference on Current Advances in Applied Physics (ICCAAP-2025) organized by Department of Physics, School of Sciences, MANUU, Hyderabad from 20th to 21st Feb 2025, a poster presentation titled "Ultrasonic-assisted novel deep eutectic solvents for supercapacitor application".	Pre-PhD Thesis Presentation	14.05.2025	
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Date of Registration	20 th July, 2022																	
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Name(s) of Supervisor(s)	Prof. K. Banerjee, (Supervisor) Dr. Yogesh Kumar, ARSD college, University of Delhi, (Co-Supervisor)																	
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Pre-PhD Thesis Presentation	14.05.2025																	
	Decision of SB The list of Examiners for evaluation of thesis of Pragya Kumar (Enrollment No. 210271589) was read out before the Board																	

		members. The School Board of School of Sciences approved the list of examiners and advised the same be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.	
	SB 79.5.3	To consider and recommend the consolidated list of the paper setters and evaluators for MCH-017 (Organic Chemistry-II) and MCH-021 (Chemistry of Materials) and the additional names for the Member of Moderation Board for MCH-011 (Inorganic Chemistry-I), MCH-012 (Organic Chemistry-I), MCH-013 (General Physical Chemistry), MCH-014 (Mathematics for Chemists), MCH-015 (Biology for Chemists), MCH-016 (Inorganic Chemistry-II), MCH-017 (Organic Chemistry-II) MCH-018 (Quantum Chemistry and group theory) and MCH-021 (Chemistry of Materials) courses of M.Sc. Chemistry (MSCCHEM) and M.Sc. Analytical Chemistry (MSCANCHEM) Programmes.	SB 79.5.3.1 SB 79.5.3.2 SB 79.5.3.3
	Matter for Discussion	The programme coordinators of M.Sc. (Chemistry) and M.Sc. (Analytical Chemistry) programmes had proposed the consolidated list of the paper setters and evaluators for MCH-017 (Organic Chemistry-II) and the consolidated list for the Member of Moderation Board for MCH-011 (Inorganic Chemistry-I), MCH-012 (Organic Chemistry-I), MCH-013 (General Physical Chemistry), MCH-014 (Mathematics for Chemists), MCH-015 (Biology for Chemists), MCH-016 (Inorganic Chemistry-II), MCH-017 (Organic Chemistry-II) MCH-018 (Quantum Chemistry and Group Theory) and (Chemistry of Materials) MCH-021 course of M.Sc. Chemistry (MSCCHEM) and M.Sc. Analytical Chemistry (MSCANCHEM) Programmes.	
	Decision of SB	The School Board of School of Sciences considered the consolidated list of the paper setters, evaluators and additional names of Member of Moderation Board for the courses of M.Sc. Chemistry and M.Sc. Analytical Chemistry Programmes and recommended the same for the approval of the Competent Authority.	
	SB 79.5.4	To consider and recommend the change in the title of the course 'Chemistry of Materials' to 'Chemistry of Polymers and Materials' (MCH-021) of M.Sc. Chemistry (MSCCHEM) programme.	SB 79.5.4
	Matter for Discussion	The course on 'Chemistry of Materials' (MCH-021) is third semester course offered in M.Sc. Chemistry (MSCCHEM) programme. During the development and editing stage of this course it was suggested that the title of the course 'Chemistry of Materials' should be 'Chemistry of Polymers and Materials' (MCH-021) as the contents have substantial portion of polymers. The same was discussed with the Expert Committee Members of the M.Sc. programme and their kind consent was obtained. The change in the title of the course from 'Chemistry of Materials' (MCH-021) to 'Chemistry of Polymers and Materials' was placed before the School Board members for consideration	

		and approval.					
	Decision of SB	The School Board deliberated on the change in the title of the course ‘Chemistry of Materials’ to ‘Chemistry of Polymers and Materials’ (MCH-021) of M.Sc. Chemistry (MSCCHEM) programme and then recommended it for further consideration and approval of the Academic Council.					
	SB 79.5.5	To consider and recommend the names of Prof. B. I. Fozdar and Prof. Javed A Farooqi as external experts as Paper setters, Members of Moderation Board and Evaluators for the courses of BSC, BSCG, BSCM, CPLT, PGDAC, MSCCHEM, and MSCANCHEM programmes.					
	Matter for Discussion	The Discipline of chemistry had proposed the names of Prof. B. I. Fozdar and Prof. Javed A Farooqi as external experts as Paper setters, Members of Moderation Board and Evaluators for the courses: CHE-01 (Atoms and Molecules), CHE-02 (Inorganic Chemistry), CHE-06 (Organic Reaction Mechanism), CHE-09 (Biochemistry), CHE-10 (Spectroscopy) courses of B.Sc. programme, BCHCT-131 (Atomic Structure, Bonding, General Organic Chemistry and Aliphatic Hydrocarbons), BCHCT-133 (Chemical Energetics, Equilibria and Functional Group Organic Chemistry-I), BCHET-149 (Molecules of Life), BCHS-183 (Laboratory Management Skills) courses of BSCG and BSCM programmes, CLT-101 (Good Laboratory Practices), CLT-103 (Laboratory Techniques in Chemistry) courses of CPLT programme, MCH-001 (Basic Analytical Chemistry), MCH-003 (Spectroscopic Methods), MCH-004 (Electroanalytical and Other Methods) courses of PGDAC programme, MCH-012 (Organic Chemistry-I), MCH-015 (Biology for Chemists), MCH-022 (Separation and Spectroscopic Methods), MCH-023 (Environmental Chemistry), MCH-024 (Introduction to Research), MCH-025 (Electroanalytical and Other Analytical Methods), MCHE 012 (Elective-II: Spectroscopic Identification of Organic Compounds) courses of M.Sc. Chemistry programme and MCH-012 (Organic Chemistry-I), MCH-015 (Biology for Chemists), MCH-023 (Environmental Chemistry), MCH-003 (Spectroscopic Methods of Analysis), MCH-004 (Electroanalytical and Other Analytical Methods), MCH-024 (Introduction to Research), courses of M.Sc. Analytical Chemistry programme. <table><tr><td colspan="2">Address for correspondence:</td></tr><tr><td>Prof. B. I. Fozdar (Retd.) SOS, IGNOU Res.: 52, Anupam Apartments MB Road, New Delhi-110068 Mobile No: 9871475949 Email: bifoza@gmail.com</td><td>Prof. Javed A. Farooqi (Retd.) SOS, IGNOU Res.:70F, Sector 7, Jasola Vihar, New Delhi-110025 Mobile No: 9971556554 Email: jafarooqi@ignou.ac.in javed_farooqi@rediffmail.com</td></tr></table>	Address for correspondence:		Prof. B. I. Fozdar (Retd.) SOS, IGNOU Res.: 52, Anupam Apartments MB Road, New Delhi-110068 Mobile No: 9871475949 Email: bifoza@gmail.com	Prof. Javed A. Farooqi (Retd.) SOS, IGNOU Res.:70F, Sector 7, Jasola Vihar, New Delhi-110025 Mobile No: 9971556554 Email: jafarooqi@ignou.ac.in javed_farooqi@rediffmail.com	
Address for correspondence:							
Prof. B. I. Fozdar (Retd.) SOS, IGNOU Res.: 52, Anupam Apartments MB Road, New Delhi-110068 Mobile No: 9871475949 Email: bifoza@gmail.com	Prof. Javed A. Farooqi (Retd.) SOS, IGNOU Res.:70F, Sector 7, Jasola Vihar, New Delhi-110025 Mobile No: 9971556554 Email: jafarooqi@ignou.ac.in javed_farooqi@rediffmail.com						

MINUTES OF SEVENTY NINTH MEETING OF THE SCHOOL BOARD OF SCHOOL OF SCIENCES HELD ON 28TH MAY 2025 AT 11.00 AM

	Decision of SB	The School Board of School of Sciences considered the names of Prof. B. I. Fozdar and Prof. Javed A. Farooqi as paper setters, evaluators and Member of Moderation Board for the courses of BSC, BSCG, BSCM, CPLT, PGDAC, MSCCHEM, and MSCANCHEM programmes and recommended the same for the approval of the Competent Authority.	
SB 79.6	To consider and approve agenda items pertaining to the <u>Discipline of Geography</u>.		
	SB 79.6.1	To consider and approve the Minutes of 86th, 87th and 88th Meetings of the Doctoral Research Committee of Geography Discipline held on March 11th, 12th, and 19th May 2025 respectively.	SB 79.6.1.1 SB 79.6.1.2 SB 79.6.1.3
	Matter for Discussion	The 86th Doctoral Committee meeting of Geography was held on 11th March, 2025. The following three agenda items were discussed: - To review the Progress Reports of 08 Ph.D. research scholars enrolled in Ph.D. Geography Programme of July 2017 and 2020 admission cycles. - To consider the discontinuation of UGC-JRF of Mohini Yadav, Enrollment No. 231000252 of July 2023 Admission Cycle. - To review the mandatory seminar of 05 research scholars enrolled in PhD (Geography) programme. The 87th Doctoral Committee meeting of Geography was held on 12th March, 2025. The following four agenda items were discussed: - To review the Progress Reports of 06 Ph.D. research scholars enrolled in Ph.D. Geography Programme of 06 Research Scholars registered in Ph.D. Geography Programme of 2018 and 2020 admission cycle. - Approval of Maternity Leave by Medha Singh (202493370, July 2020). - Approval for conversion from full time to part time of Mr. Rahul Kumar Meena, (Enrolment No. 202493323, July 2020). - To review the Mandatory seminar by 03 students enrolled in PhD (Geography) programme. The 88th Doctoral Committee meeting of Geography held on 19th May, 2025. The following agenda item was discussed: To review Pre-Ph.D. Seminar presentation by Disha Chahal, (Enrollment 202493387, July 2020). The Minutes of the 86th, 87th and 88th Doctoral Research Committee Meetings was placed for the consideration and approval of 79th School Board of School of Sciences	
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of the 86 th , 87 th and 88 th Meetings of the Doctoral Research Committee of Geography Discipline.	

	SB 79.6.2	To consider and recommend the Members of the Moderation Board for the Laboratory Courses of M.Sc. (Geography) Programme: Cartography (MGGL-001), Methods of Geographic Analysis: Quantitative and Qualitative (MGGL-002), Geospatial Analysis (MGGL- 003), Field Survey Methods: Physical and Socio-Economic (MGGL-004), and Remote Sensing Techniques (MGGL-005).	SB 79.6.2								
	Matter for Discussion	The discipline of geography had proposed the Members of the Moderation Board for the Laboratory Courses of M.Sc. (Geography) Programme: Cartography (MGGL-001), Methods of Geographic Analysis: Quantitative and Qualitative (MGGL- 002), Geospatial Analysis (MGGL- 003), Field Survey Methods: Physical and Socio-Economic (MGGL-004), and Remote Sensing Techniques (MGGL-005). The agenda was placed for the consideration and recommendation of 79 th School Board of School of Sciences.									
	Decision of SB	The School Board of School of Sciences considered the Members of the Moderation Board for the Laboratory Courses of M.Sc. (Geography) Programme and recommended the same for the approval of the Competent Authority.									
	SB 79.6.3	To consider and recommend the list of evaluators for Project Synopsis and Examiners for the course MGGP-001 (Project) of M.Sc. Geography Programme.	SB 79.6.3								
	Matter for Discussion	The discipline of geography had proposed the list of Project Synopsis Evaluators and Examiners of Project Reports for the course MGGP-001 (Project) of M.Sc. Geography Programme. The list of academic Counsellors approved in the OACE portal were placed before the 79 th School Board of the School of Sciences.									
	Decision of SB	The School Board of School of Sciences considered the list of Project Synopsis Evaluators and Examiners of Project Reports for the course MGGP-001 (Project) of M.Sc. Geography Programme and recommended the same for the approval of the Competent Authority.									
	SB 79.6.4	To consider and approve the list of examiners for the evaluation of Ph.D. thesis of Disha Chahal (Enrolment No. 202493387, July2020 cycle), Ph.D. research scholar, Discipline of Geography.	Confidential Cover								
	Matter for Discussion	The Ph.D. scholar Disha Chahal (Enrolment No. 202493387, July 2020 cycle) is enrolled in PhD (Geography) programme. The details are mentioned below: <table><tr><td>Name</td><td>Disha Chahal (July 2020 admission cycle)</td></tr><tr><td>Enrolment Number</td><td>202493387</td></tr><tr><td>Date of Registration</td><td>14 January 2021</td></tr><tr><td>Research Topic</td><td>“Crop Diversification and Cultivation of Kinnow for Sustainable Livelihood in Sirsa District of Haryana”</td></tr></table>	Name	Disha Chahal (July 2020 admission cycle)	Enrolment Number	202493387	Date of Registration	14 January 2021	Research Topic	“Crop Diversification and Cultivation of Kinnow for Sustainable Livelihood in Sirsa District of Haryana”	
Name	Disha Chahal (July 2020 admission cycle)										
Enrolment Number	202493387										
Date of Registration	14 January 2021										
Research Topic	“Crop Diversification and Cultivation of Kinnow for Sustainable Livelihood in Sirsa District of Haryana”										

		Name(s) of Supervisor(s) Dr. Krishna Kumar Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU Maidan Garhi, New Delhi-110068	
		Number(s) of Paper Publication and Details “Changes in the patterns of crop diversification in Haryana” published in the Annals of plant and soil research Journal, 26(3): 425-433 (2024) (UGC Care Journal) “Crop diversification initiatives to facilitate sustainable agriculture in Haryana: A Review” published in the AgriSustain-An International journal, 02(2):08-17 (2024) (Peer-Reviewed Journal)	
		Nos. of Papers presented in conference/seminar - Paper entitled “Crop Diversification: A tool for sustainable agriculture” presented at the “International Salinity Conference on “Rejuvenating salt affected ecologies for land degradation neutrality under changing climate” organized by Indian society of soil salinity and water quality during 14-16 February 2024, at ICAR-CSSRI, Karnal, Haryana, India. - Paper entitled “Examining change in citrus fruits production in Haryana” presented at the two days international conference on “Nature and Natural Sciences (ICNS-2023)” on 5-6 May 2023, organized and hosted by Rani Durgavati University, Jabalpur (M.P.), India.	
		Pre-PhD thesis Presentation 19.05.2025 The list of Examiners for Evaluation of thesis was provided in a confidential cover. The agenda was placed before the School Board of the School of Sciences for its consideration and approval.	
	Decision of SB	The list of Examiners for evaluation of thesis of Disha Chahal (Enrolment No. 202493387) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.	

SB 79.7	To consider and approve agenda Item pertaining to the <u>Discipline of Geology</u>		
	SB 79.7.1	To consider and approve Minutes of the 84th, 85th and 86th Meetings of the Doctoral Committee for Ph.D. (Geology) programme held on 18th February, 2024, 20th February, 2025 and 3rd March, 2025, respectively.	SB 79.7.1.1 SB 79.7.1.2 SB 79.7.1.3
	Matter for Discussion	The 84th Doctoral Committee meeting of Geology was held on 18th February, 2024. The following three agenda items were discussed: - To review the First Work-in-Progress Seminar of the Scholar Faisal Imam Umrani (Enrol. No.: 210270150). - To review the progress reports (for the period from July to December 2024) of four scholars enrolled in PhD (Geology) Programme. - To consider and approve the request of the scholar Mr. Shailendra Kumar Singh (Enrol. No. 210270326), enrolled in the PhD Geology Programme, for cancellation of his registration from PhD programme. The 85th Doctoral Committee meeting of Geology was held on 20th February, 2025. The following one agenda item was discussed: - To review the Progress Reports (for period from July to December 2024) of one Research Scholar enrolled in PhD (Geology) programme. The 86th Doctoral Committee meeting of Geology was held on 3rd March, 2025. The following one agenda item were discussed: - To review the Pre-thesis submission seminar presentation by Ms. Sugeeta Sharma (Enrolment No. 179341998). The Minutes of 84th, 85th and 86th Doctoral Committee meetings were placed is placed before the School Board of School of Sciences for its consideration and approval.	
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of the 84 th , 85 th and 86 th Meetings of the Doctoral Research Committee for Ph.D. (Geology) programme.	
	SB 79.7.2	To consider and approve Minutes of the 87th and 88th Meetings of the Doctoral Committee of geology discipline held on 29th April, 2025 and 29th April, 2025, respectively.	SB 79.7.2.1 SB 79.7.2.2
	Matter for Discussion	The 87th Doctoral Committee meeting of Geology was held on 29th April, 2025. The following agenda item was discussed: - To review the Pre-thesis submission seminar presentation of Mr. Rohitash Kumar (Enroll. No. 198570270) and Ms. Sujang Khamniungan (Enrollment No. 198570753) enrolled in PhD (Geology) programme. The 88th Doctoral Committee meeting of Geology was held on 29th April, 2025. The following two agenda items were discussed: - To consider and approve the name of Dr. Rama Chandra	

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		Prasad Pillutla, Associate Professor, International Institute of Information Technology, Hyderabad (IIIT-H), Hyderabad as Co-supervisor for the scholar Mrs. A. Kavilatha. To consider and approve title and research proposal of the research scholar Mrs. A. Kavilatha (Enroll No. 231001562) enrolled in the PhD Geology programme. The agenda was placed before the School Board of School of Sciences for its consideration and approval.	
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of the 87 th and 88 th Meetings of the Doctoral Research Committee of geology discipline.	
	SB 79.7.3	To consider and recommend the revised PPF for the PhD programme in Geoinformatics and the list of Expert Committee Members for designing the Pre PhD coursework of the programme.	SB 79.7.3.1 SB 79.7.3.2 SB 79.7.3.3
	Matter for Discussion	The Post Graduate Certificate in Geoinformatics (PGCGI), Post Graduate Diploma in Geoinformatics (PGDGI) and MSc Geoinformatics (MSCGI) programmes are on offer from July 2014, January 2023 and July 2023 cycle, respectively. While designing the programme, the Expert Committee in its two meetings held on 8th November 2010 and 18-19th April 2011, had recommended offering higher education in the field of geoinformatics. The Minutes of the meetings were approved in the 41st and 42nd meetings of the School Board of the School of Sciences held on 29th November 2010 vide item SB 41.33(ii) and 28th April 2011 vide item SB 42.20.1, respectively. The Expert Committee meeting conducted for <i>Planning and Development of New Programmes in Geology</i> held on 21st March 2014 had also recommended developing need-based, futuristic programmes in Geology, including geoinformatics. Minutes of the meeting were approved in the 49th Meeting of the School Board of the School of Sciences held on 28th April 2014 vide item SB 49.8.2. Following this, the Discipline of Geology placed PPF for the PhD programme in Geoinformatics before the 78th meeting of School Board of School of Sciences held on 30th January, 2025 for consideration and approval. After a detailed deliberation on PPF, School Board appreciated the idea and advised the Discipline to review the proposal. The Programme Proposal Form for the proposed PhD Programme in Geoinformatics programme, list of Expert Committee Members for designing its Pre PhD coursework was placed before the 79th School Board of the School of Sciences for its consideration and recommendation.	
	Decision of SB	After detailed deliberations by the School Board members the agenda was deferred.	
	SB 79.7.4	To consider and recommend the Programme Revision Form (PRF) for offering two SECs in the Four-Year Undergraduate Programme along with their syllabi and list of course writers and editor.	SB 79.7.4.1 SB 79.7.4.2 SB 79.7.4.3

	Matter for Discussion	The The list of expert committee members for designing Skill Enhancement Courses (SECs) for offering under the Four-Year Undergraduate Programme (FYUP) in the line with NEP 2020 was approved in 78th meeting of the School Board of School of Sciences held on 30th January, 2025. The Discipline of Geology conducted a Course Design Committee meeting on 15th May, 2025 and designed the syllabi of two SECs namely, SEC-1: Introduction to Maps, Mapping and GIS and SEC-2: Basics of Remote Sensing and Image Interpretation and also generated a list of potential course writers and editors. The Programme Revision Form for offering these two SECs in the FYUP along with Minutes of course design committee, syllabi and list of course writers and editors were placed before the 79th School Board of the School of Sciences for its consideration and approval.	
	Decision of SB	The School Board deliberated on Programme Revision Form (PRF) and Minutes of the expert committee meeting for offering two SECs in the Four-Year Undergraduate Programme and recommended the same for further consideration and approval of the Academic Council.	
	SB 79.7.5	To consider and recommend the panel of Experts for the Doctoral Committee of Geology for the PhD (Geology) programme.	SB 79.7.5
	Matter for Discussion	The validity of the existing panel of experts for the Doctoral Committee of Geology for the PhD (Geology) programme had completed. Therefore, the Discipline has generated a panel of experts for reconstituting the Doctoral Committee of Geology for the PhD programme in Geology. The panel of Experts for the Doctoral Committee of Geology for the PhD programme in Geology was placed before the School Board of School of Sciences for its consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the panel of experts for reconstituting the Doctoral Research Committee of the Discipline of Geology and recommended the same for the approval of the Competent Authority.	
	SB 79.7.6	To consider and recommend the revised list of Members of Moderation Board for the Pre-Phd courses: RGY-101: Research Methodology; RGY-102: Research Techniques in Geology; RGYE-104: Petrology; RGYE-110: Palaeontology; RGYE-112: Geological Applications of Remote Sensing & Geographic Information System; and RGYE-114: Environmental Geology of the PHDGY programme.	SB 79.7.6
	Matter for Discussion	The discipline of geology proposed the names of the Moderation Board Members for the Pre-PhD courses of Ph.D (Geology) PHDGY programme: RGY-101: Research Methodology; RGY-102: Research Techniques in Geology; RGYE-104: Petrology; RGYE-110: Palaeontology; RGYE-112: Geological Applications of Remote Sensing & Geographic Information System; and RGYE-114: Environmental Geology. The revised lists of Members of the Moderation Board were	

		placed before the School Board of School of Sciences for its consideration and recommendation.											
	Decision of SB	The School Board of School of Sciences considered the revised lists of Members of the Moderation Board for courses of PhD Geology programme and recommended the same for the approval of the Competent Authority.											
	SB 79.7.7	To consider and recommend the additional names of course writers of the course MGYE-042 of MSCGI programme.											
	Matter for Discussion	The Discipline of Geology proposed the additional names of course writers for the course MGYE-042: Geoinformatics in Disaster Studies of MSc Geoinformatics (MSCGI) programme as given below: <table><tr><th>S.No.</th><th>Name and Address</th></tr><tr><td>1.</td><td>Dr. M Sithartha Muthu Vijayan Senior Scientist, CSIR Fourth Paradigm Institute Wind Tunnel Road, Bangalore- 560037 E-mail: vijayan@csir4pi.in Phone: +91 80-25051901</td></tr><tr><td>2.</td><td>Dr. Sridevi Jade Outstanding Scientist, CSIR Fourth Paradigm Institute Wind Tunnel Road, Bangalore- 560037 E-mail: sridevi@csir4pi.in</td></tr><tr><td>3.</td><td>Dr. V. Sivakumar Joint Director, e-Governance Group, Centre for Development of Advanced Computing (C-DAC), Ministry of Electronics and Information Technology, Panchavati, Off Pashan Road, Pashan, Pune – 411 008 Cell: 8796265480 Email: sivakumars@gmail.com</td></tr></table> The agenda was placed before the School Board of the School of Sciences for consideration and recommendation.	S.No.	Name and Address	1.	Dr. M Sithartha Muthu Vijayan Senior Scientist, CSIR Fourth Paradigm Institute Wind Tunnel Road, Bangalore- 560037 E-mail: vijayan@csir4pi.in Phone: +91 80-25051901	2.	Dr. Sridevi Jade Outstanding Scientist, CSIR Fourth Paradigm Institute Wind Tunnel Road, Bangalore- 560037 E-mail: sridevi@csir4pi.in	3.	Dr. V. Sivakumar Joint Director, e-Governance Group, Centre for Development of Advanced Computing (C-DAC), Ministry of Electronics and Information Technology, Panchavati, Off Pashan Road, Pashan, Pune – 411 008 Cell: 8796265480 Email: sivakumars@gmail.com			
S.No.	Name and Address												
1.	Dr. M Sithartha Muthu Vijayan Senior Scientist, CSIR Fourth Paradigm Institute Wind Tunnel Road, Bangalore- 560037 E-mail: vijayan@csir4pi.in Phone: +91 80-25051901												
2.	Dr. Sridevi Jade Outstanding Scientist, CSIR Fourth Paradigm Institute Wind Tunnel Road, Bangalore- 560037 E-mail: sridevi@csir4pi.in												
3.	Dr. V. Sivakumar Joint Director, e-Governance Group, Centre for Development of Advanced Computing (C-DAC), Ministry of Electronics and Information Technology, Panchavati, Off Pashan Road, Pashan, Pune – 411 008 Cell: 8796265480 Email: sivakumars@gmail.com												
	Decision of SB	The School Board of School of Sciences considered the additional names of course writers for the course MGYE-042 of MSc Geoinformatics (MSCGI) programme and recommended the same for the approval of the Competent Authority											
	SB 79.7.8	To consider and recommend the names of examiners for the course MGYE-031 of MSCGI programme.											
	Matter for Discussion	The MGYE-031: Dissertation/Project Work is project-based course of MSc in Geoinformatics (MSCGI) programme and its term end examination involves evaluation of project report and conduction of viva-voce examination. The Discipline of Geology proposed the name of examiners for MGYE-031 course as listed below: <table><tr><th>S. N.</th><th>Name and Designation</th><th>Address</th><th>Phone</th><th>E-mail</th></tr><tr><td></td><td>Prof. Meenal Mishra</td><td>Block-15J, School of</td><td>Interco m1676</td><td>meenalmishra@</td></tr></table>	S. N.	Name and Designation	Address	Phone	E-mail		Prof. Meenal Mishra	Block-15J, School of	Interco m1676	meenalmishra@	
S. N.	Name and Designation	Address	Phone	E-mail									
	Prof. Meenal Mishra	Block-15J, School of	Interco m1676	meenalmishra@									

				Sciences, IGNOU, New Delhi- 110068		ignou.ac.in	
			Prof. Benidhar Deshmukh	Block-15J, School of Sciences, IGNOU, New Delhi- 110068	Interco m1677	bdeshmukh@ig nou.ac.in	
			Prof. R. Baskar	Block-15J, School of Sciences, IGNOU, New Delhi- 110068	Interco m1678	rbaskar@ignou. ac.in	
			Dr. Omkar Verma	Block-15J, School of Sciences, IGNOU, New Delhi- 110068	Interco m1675	omkarverma@ig nou.ac.in	
			Dr. Kakoli Gogoi	Block-15J, School of Sciences, IGNOU, New Delhi- 110068		omkarverma@ig nou.ac.in	
		The agenda was placed before the 79 th School Board of the School of Sciences for consideration and recommendation.					
	Decision of SB	The School Board of School of Sciences considered the additional names of examiners for the course MGYP-031 of MSc Geoinformatics (MSCGI) programme and recommended the same for the approval of the Competent Authority.					
	SB 79.7.9	To consider and recommend the name of evaluator for Geology Courses in BSCG/BSCM programmes.					SB 79.7.9
	Matter for Discussion	The Discipline of Geology had received the name of the evaluator from SED, IGNOU for the courses BGYCT-131 (Physical and Structural Geology), BGYCT-133 (Crystallography, Mineralogy and Economic Geology), BGYCT-135 (Petrology), BGYCT-137 (Stratigraphy and Palaeontology), BGYET-141 (Ore Geology and Industrial Minerals), BGYET-147 (Geomorphology and Geotectonics).					
		SN	Name & Designation	Address	Phone/Email		
		1.	Rashmikanth Niranjan Talati	0902, Vadodara study centre (IGNOU) central education building, MS University	M: 9825248526 E-mail: rn.talati-phy@mo		

			Campus -390002 Res. C-76 Sainath park Vasna Road, Vadodra- 390007	
		The name of evaluators at was placed before the School Board of the School of Sciences for consideration and approval.		
	Decision of SB	The School Board of School of Sciences considered the name of Rashmikant Niranjana Talati as evaluator for Geology courses of BSCG/BSCM programmes and recommended the same for the approval of the Competent Authority.		
	SB 79.7.10	To consider and approve the revised eligibility criteria for the M.Sc. (Geoinformatics) MSCGI programme.		
	Matter for Discussion	The Student Registration Division of the University had been finding difficulty for interpreting the existing eligibility criteria while enrolling the learners during the admission cycles. The presently approved eligibility criteria for the MSCGI programme as follows: Graduate in Science/ Engineering/ Technology/ Architecture/ Planning/ Computer Application/ Information Technology/ Medical & Allied fields/ Geography/ Mathematics/Statistics/ Economics/ Commerce/ Anthropology/ Archaeology/ Business Administration/Management from a recognised University The matter was deliberated in the Programme Expert Committee meeting and the committee was informed that while deciding on the same, sense of the house was that candidates having bachelor's degree with any of the subjects like Geography/ Mathematics/ Statistics/Economics/ Anthropology/ Archaeology were eligible for admission in the programme. However, interpretation of the implementing division of the eligibility criteria was different hence clarification in the eligibility criteria was required. For better clarity the Committee rephrased the eligibility criteria of MSCGI programme as following: "Graduate in Science/ Engineering/ Technology/ Architecture/ Planning/ Computer Application/ Information Technology/ Medical & Allied fields/ Commerce/ Business Administration/ Management" Or "Graduation with Geography/ Mathematics/ Statistics/ Economics/ Anthropology/ Archaeology" as one of the subjects from a recognised University. The revised eligibility criteria for the MSCGI programme was placed before the 79th School Board of the School of Sciences for its consideration and approval.		
	Decision of SB	School Board of the School of Sciences approved the revised eligibility criteria for admission to MSCGI programme and recommended for further consideration and approval of the Academic Council.		
	SB 79.7.11	To consider and recommend the Minutes of Course design committee for offering Value Added Course in the Four-Year Undergraduate Programme along with their syllabus		
				SB 79.7.11.1 SB 79.7.11.2

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		and list of course writers and editor.															
	Matter for Discussion	The list of expert committee members for designing Value Added Course for offering under the Four-Year Undergraduate Programme (FYUP) in the line with NEP 2020 was approved in 78 th meeting of the School Board of School of Sciences held on 30 th January, 2025. The Discipline of Geology conducted an Expert Committee meeting for course design on 16 th May, 2025 and syllabus of Value Added Course ‘Geoheritage, Geotourism and Conservation’ was designed. The committee also generated a list of potential course writers and editors. The Minutes of expert committee for course design, its syllabus and list of course writers and editors were placed before the 79 th School Board of the School of Sciences for its consideration and recommendation.															
	Decision of SB	The School Board deliberated on Minutes of the expert committee meeting for course design for offering Value Added Course ‘Geoheritage, Geotourism and Conservation’ in the Four-Year Undergraduate Programme and recommended same for further consideration and approval of the Academic Council.															
	SB 79.7.12	To consider and approve the list of examiners for evaluation of PhD Thesis of Vachaspati Pandey (Enrollment No. 198570380) enrolled in PhD (Geology) programme.	Confidential Cover														
	Matter for Discussion	The Ph.D. scholar Mr. Vachaspati Pandey (Enrollment No. 198570380) enrolled in PhD (Geology) programme. The details are mentioned below: <table><tr><td>Name</td><td>Mr. Vachaspati Pandey</td></tr><tr><td>Enrolment Number</td><td>198570380</td></tr><tr><td>Date of Registration</td><td>27/07/2019</td></tr><tr><td>Research Topic</td><td>Impact of Land Use/Land Cover Change on Groundwater in the Faridabad Region, Delhi NCR, India</td></tr><tr><td>Name of Supervisor</td><td>Dr. M. Prashanth Discipline of Geology, School of Sciences IGNOU, Maidan Garhi, New Delhi-110068</td></tr><tr><td>Publication and Details (01)</td><td>Vachaspati Pandey and Manthena Prashanth (2025) Monitoring of Dynamic Changes in Land Use and Land Cover in Faridabad District using Multi-Temporal Satellite Data and Geospatial Techniques. Published online in the International Journal of Applied Environmental Sciences, ISSN: 0973-6077, Volume 20, Number 1: pp. 19-32 https://www.ripublication.com/ijaes23/ijaesv20n1_02.pdf</td></tr><tr><td>Presentation of papers in seminars / conferences</td><td> Participated in the 8th National Geo Research Scholars’ Meet -2024, organized by Wadia Institute of Himalayan Geology at the SMVDU, </td></tr></table>	Name	Mr. Vachaspati Pandey	Enrolment Number	198570380	Date of Registration	27/07/2019	Research Topic	Impact of Land Use/Land Cover Change on Groundwater in the Faridabad Region, Delhi NCR, India	Name of Supervisor	Dr. M. Prashanth Discipline of Geology, School of Sciences IGNOU, Maidan Garhi, New Delhi-110068	Publication and Details (01)	Vachaspati Pandey and Manthena Prashanth (2025) Monitoring of Dynamic Changes in Land Use and Land Cover in Faridabad District using Multi-Temporal Satellite Data and Geospatial Techniques. Published online in the International Journal of Applied Environmental Sciences, ISSN: 0973-6077, Volume 20, Number 1: pp. 19-32 https://www.ripublication.com/ijaes23/ijaesv20n1_02.pdf	Presentation of papers in seminars / conferences	Participated in the 8th National Geo Research Scholars’ Meet -2024, organized by Wadia Institute of Himalayan Geology at the SMVDU,	
Name	Mr. Vachaspati Pandey																
Enrolment Number	198570380																
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Publication and Details (01)	Vachaspati Pandey and Manthena Prashanth (2025) Monitoring of Dynamic Changes in Land Use and Land Cover in Faridabad District using Multi-Temporal Satellite Data and Geospatial Techniques. Published online in the International Journal of Applied Environmental Sciences, ISSN: 0973-6077, Volume 20, Number 1: pp. 19-32 https://www.ripublication.com/ijaes23/ijaesv20n1_02.pdf																
Presentation of papers in seminars / conferences	Participated in the 8th National Geo Research Scholars’ Meet -2024, organized by Wadia Institute of Himalayan Geology at the SMVDU,																

		Katra, J&K from Nov 22-25, 2024 and presented abstract titled, "A Study of Land use Land Cover Changes over the Faridabad District, NCR- Haryana, using remote sensing and GIS Technique" authored by V. Pandey and M. Prashanth. Participated in Second International Conference on Environment, Economy, Management, Science and Technology ICEEMST-II – 2024, jointly Organized by Department of Environmental Science, SIES (Nerul) College of Arts, Science and Commerce (Autonomous), Navi Mumbai, India & Global Conference Hub, Coimbatore, Tamil Nadu, India, on 23rd & 24th December, 2024 and presented abstract titled, "Impact of increasing population and urbanization on the Land use and Land Cover of the Faridabad District, Haryana, India" authored by V. Pandey and M. Prashanth.	
		Pre-PhD thesis Presentation Tentatively 10/06/2025 The list of Examiners for Evaluation of thesis was provided in a confidential cover. The matter is placed before the School Board of the School of Sciences for its consideration and approval.	
	Decision of SB	The list of Examiners for evaluation of thesis of Mr. Vachaspati Pandey (Enrollment No. 198570380) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the conduct of Pre-PhD thesis seminar.	
SB 79.8	To consider and approve agenda Item pertaining to the <u>Discipline of Life Sciences</u>		
	SB 79.8.1	To consider and approve the Minutes of the Doctoral Committee Meeting of Life Sciences Discipline held on 9th April, 2025.	SB 79.8.1
	Matter for Discussion	The Doctoral Committee meeting of Life Sciences was held on 9th April, 2025. The following agenda item were discussed: - To consider and approve the synopsis, thesis title and co-supervisor of Amar Nath Pandey (Enrl. 231000324). - To consider and approve the Second mandatory seminar of Md. Shazad (Enrl. 210270168). The Minutes of Doctoral Committee meeting of Life Sciences discipline was placed before the School Board of School of Sciences for its consideration and approval.	
	Decision of	The School Board of School of Sciences considered and	

	SB	approved the contents of the Minutes of the Doctoral Research Committee Meeting of Life Sciences Discipline.	
	SB 79.8.2	To consider and recommend the lists of Paper Setters, Members of Moderation Board and Evaluators for the courses MZOE-004 (Insect Taxonomy and Morphology (Elective), MZOE-005 (Insect Physiology and Toxicology (Elective) and MZOE-006 (Applied Entomology (Elective) of M.Sc. (Zoology).	SB 79.8.2.1 SB 79.8.2.2 SB 79.8.2.3
	Matter for Discussion	The discipline of life sciences proposed the list of names of Paper Setters, Members of Moderation Board and Evaluators for the courses: MZOE-004 (Insect Taxonomy and Morphology (Elective), MZOE-005 (Insect Physiology and Toxicology (Elective) and MZOE-006 (Applied Entomology (Elective) of M.Sc. (Zoology) of M.Sc. (Zoology) programme. The lists of Paper Setters, Members of Moderation Board and Evaluators were placed before the 79 th School Board of the School of Sciences for its consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the list of names of Paper Setters, Members of Moderation Board and Evaluators for the courses of M.Sc. (Zoology) programme and recommended the same for the approval of the Competent Authority. The dissent was submitted by Prof. Sunita Malhotra for above mentioned courses regarding the list of experts placed in Annexures who have no PG experience and are employed at various colleges, teaching at UG level (dissent note appended).	
	SB 79.8.3	To consider and recommend the names of evaluators for Courses Life Sciences: LSE-01, LSE-03, LSE-05, BBYCT-131, BBYCT-133, BBYCT-135, BBYCT-137, BBYET-141, BBYET-143, BZYCT-131, BZYCT-133, BZYCT-135, BZYCT-137, BZYET-141, BZYET-143, MZO-001, MZO-002, MZO-003, MZO-004, MZO-005, MZO-006, MZO-007.	SB 79.8.3
	Matter for Discussion	The Discipline of Life Sciences has received the names of the evaluators from SED, IGNOU for the courses: : LSE-01 (Cell Biology), LSE-03 (Genetics), LSE-05 (Physiology), BBYCT-131 (Biodiversity-Microbes, Algae, Fungi and Archegoniate), BBYCT-133 (Plant Ecology and Taxonomy), BBYCT-135 (Plant Anatomy and Embryology), BBYCT-137 (Plant Physiology and Metabolism), BBYET-141 (Cell and Molecular Biology), BBYET-143 (Economic Botany and Biotechnology), BZYCT-131 (Animal Diversity), BZYCT-133 (Comparative Anatomy and Developmental Biology of Vertebrates), BZYCT-135 (Physiology and Biochemistry), BZYCT-137 (Genetics and Evolutionary Biology), BZYET-141 (Immunology) BZYET-143 (Insect Vectors and Vector Borne Diseases), MZO-001 (Molecular Cell Biology), MZO-002 (Genetics and Animal Biotechnology), MZO-003 (Comparative Animal Physiology and Biochemistry), MZO-004 (Systematics, Biodiversity and Evolution), MZO-005 (Genomics and Proteomics), MZO-006 (Biostatistics and Bioinformatics), MZO-007 (Principles of Ecology). The names of evaluators received from SED, IGNOU for Life	

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		Sciences Courses were placed before the 79 th School Board of the School of Sciences for its consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the names of evaluators for Life Sciences Courses and recommended the same for the approval of the Competent Authority. The dissent was submitted by Prof. Sunita Malhotra for above mentioned courses regarding the list of experts placed in Annexures who have no PG experience and are employed at various colleges, teaching at UG level (dissent note appended).	
	SB 79.8.4	To consider and recommend the list of additional course writers for the elective courses of M.Sc. (Zoology) Programme (4th Semester).	
	Matter for Discussion	The Life Sciences Discipline is in the process of developing the Masters degree programme in Zoology. The list of additional course writers for two elective courses of the M. Sc. (Zoology) Programme viz MZOE-004 (Insect Taxonomy and Morphology (Elective) and MZOL-IV (Lab Course IV) was placed before the School Board of the School of Sciences for its consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered list of additional course writers for the elective courses of M.Sc. (Zoology) Programme and recommended the same for the approval of the Competent Authority. The dissent was submitted by Prof. Sunita Malhotra for above mentioned courses regarding the list of experts placed in Annexures who have no PG experience and are employed at various colleges, teaching at UG level (dissent note appended).	
	SB 79.8.5	To consider and recommend the list of Expert Committee Members for designing Skill Enhancement Courses (SEC) and Value Added Courses (VAC) for offering under Four Year Undergraduate Programme (FYUP).	SB 79.8.5
	Matter for Discussion	The Discipline of Life Sciences had proposed to design and develop the Skill Enhancement Courses (SEC) and Value Added Courses (VAC) to be offered under the Four Year Undergraduate Programme (FYUP) in the line with NEP 2020. The list of Expert Committee Members for designing Skill Enhancement Courses (SEC) and Value Added Courses (VAC) was placed before the 79 th School Board of the School of Sciences for its consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the list of Expert Committee Members for designing Skill Enhancement and Value added Courses and recommended the same for the approval of the Competent Authority.	
SB 79.9	To consider and approve agenda items pertaining to the <u>Discipline of Mathematics</u>		
	SB 79.9.1	To consider and recommend the panel of experts for the Doctoral Committee for Mathematics.	SB 79.9.1
	Matter for Discussion	The term of the panel of experts for Doctoral Research Committee of the Discipline of Mathematics had completed and	

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		the Discipline had submitted the panel of experts for reconstituting the Doctoral Research Committee of the Discipline of Mathematics for consideration of 79 th School Board.	
	Decision of SB	The School Board of School of Sciences considered the panel of experts for reconstituting the Doctoral Research Committee of the Discipline of Mathematics and recommended the same for the approval of the Competent Authority.	
	SB 79.9.2	To consider and recommend the editor for the third semester course “Introduction to Probability and Statistics (BMTC-101)” of the B.Sc. (Mathematics) programme.	
	Matter for Discussion	The course “Introduction to Probability and Statistics (BMTC-101)” is one of the elective courses of the B.Sc. (Mathematics) programme. Prof. Madhu Jain was proposed as the editor of the course. This was placed before the School Board of the School of Sciences for recommendation. Prof. Madhu Jain Department of Mathematics IIT, Roorkee Ph. No.: 09412811021 Email: madhufma@iitr.ac.in The name of editor was placed before the 79 th School Board for consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered name of the editor for the third semester course of the B.Sc. (Mathematics) programme and recommended the same for the approval of the Competent Authority.	
SB 79.10	To consider and approve agenda items pertaining to the <u>Discipline of Physics</u>		
	SB 79.10.1	To consider and recommend the list of External Experts for the Doctoral Research Committee of Physics discipline.	SB 79.10.1
	Matter for Discussion	In accordance with the IGNOU Regulations for Conducting Research Degree Programs (IRCRDP), a list of external experts from different areas of research specialization proposed by Physics discipline was placed before the 79 th School Board of School of Sciences for consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the list of External Experts for the Doctoral Research Committee of Physics discipline and recommended the same for the approval of the Competent Authority.	
	SB 79.10.2	To consider and recommend the additional list of evaluators for the Physics Elective Courses: BPHCT-131 (Mechanics), BPHCT-135 (Thermal Physics and Statistical Mechanics) of the BSCG and BSCM programmes and BPHET-141 (Elements of Modern Physics), BPHET-143 (Digital and Analog Circuits and Instrumentation) of the BSCG programme.	SB 79.10.2
	Matter for Discussion	An additional list of evaluators for the Physics Elective Courses BPHCT-131 (Mechanics), BPHCT-135 (Thermal Physics and	

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		Statistical Mechanics) of the BSCG and BSCM programmes and BPHE-141 (Elements of Modern Physics), BPHE-143 (Digital and Analog Circuits and Instrumentation) of the BSCG programme was placed before the 79 th School Board of School of Sciences for consideration and recommendation.							
	Decision of SB	The School Board of School of Sciences considered the additional list of evaluators for the Physics Elective Courses of the BSCG programme and recommended the same for the approval of the Competent Authority.							
SB 79.11	To consider and approve agenda items pertaining to the <u>Discipline of Statistics</u>								
	SB 79.11.1	To consider and approve the Minutes of the 34 th , 35 th and 36 th Doctoral Committee meetings of Statistics held on April 15, 2025, April 17, 2025 and 19 th May 2025 respectively.	SB 79.11.1.1 SB 79.11.1.2 SB 79.11.1.3						
	Matter for Discussion	The 34th Doctoral Committee meeting of Statistics held on April 15, 2025. The following one agenda item was discussed: - To review Pre-thesis submission seminar of a research scholar Mr. Anant Patel (Enrollment No. 202493506) registered in PhD (Statistics) programme. The 35th Doctoral Committee meeting of Statistics held on April 17, 2025. The following one agenda item was discussed: - To review the Progress Report of Six Research Scholars registered in PhD (Statistics) programme. The 36th Doctoral Committee meeting of Statistics held on May 19, 2025. The following one agenda item was discussed: - To review Pre-thesis submission seminar of a research scholar Mr. Hemanta Kumar (Enroll. No. 202492883) registered in PhD (Statistics) programme. The minutes of the 34th, 35th and 36th Doctoral Committee meetings were placed before the 79th School Board of School of Sciences for consideration and recommendation.							
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of the 34 th , 35 th and 36 th Doctoral Committee meetings of Statistics.							
	SB 79.11.2	To consider and approve the list of examiners for Ph.D. thesis of Hemanta Kumar (Enroll. No. 202492883) on the Topic “Estimation of Population Mean under Stratified Random Sampling using Auxiliary Information in Sample Surveys”, research scholar of Ph.D. programme in Statistics.	Confidential Cover						
	Matter for Discussion	The Ph.D. scholar Mr. Hemanta Kumar (Enroll. No. 202492883), July 2020 cycle) is enrolled in PhD (Statistics) programme. The details are mentioned below: <table><tr><td>Name</td><td>Hemanta Kumar (July 2020 admission cycle)</td></tr><tr><td>Enrolment Number</td><td>202492883</td></tr><tr><td>Date of Registration</td><td>July, 2020</td></tr></table>	Name	Hemanta Kumar (July 2020 admission cycle)	Enrolment Number	202492883	Date of Registration	July, 2020	
Name	Hemanta Kumar (July 2020 admission cycle)								
Enrolment Number	202492883								
Date of Registration	July, 2020								

		Research Topic	Estimation of Population Mean under Stratified Random Sampling using Auxiliary Information in Sample Surveys.	
		Name(s) of Supervisor(s)	Prof. Manish Trivedi, School of Sciences, IGNOU, New Delhi	
		Number(s) of Paper Publication and Details	- Singh, H. P., Kumar, H., Trivedi, M. and Garg, N. (2024). A Modified Class of Ratio Type Exponential Estimators of Population Mean using Auxiliary Attribute in Stratified Random Sampling, International Journal of Statistics and Reliability Engineering, 11 (1), pp. 14-20. - Singh, H. P., Kumar, H., Trivedi, M., & Garg, N. (2023). A Class of Ratio type Exponential Estimators of Population Mean using Auxiliary Attribute in Stratified Random Sampling. International Journal of Agricultural and Statistical Sciences, Vol, 19(1), 1011-1020.	
		Nos. of Papers presented in conference/se minar	Presented a paper entitled "A class of estimators of population mean using auxiliary attribute in stratified random sampling" in an International Multidisciplinary Conference on "Emerging Trends & Challenges in Humanities, Education, Science and Social Sciences" held on March 25, 2023, organised by Gandhi Memorial National College, Ambala Cantt., India. Presented a paper entitled "A generalised class of estimators for population mean under stratified random sampling using auxiliary attribute" in 2nd International Conference on Advance Interdisciplinary Research (ICAIR-2023) held on April 07-09, 2023, jointly organised by Digvijay Nath Post Graduate College, Gorakhpur, UP & Science Tech Institute, Lucknow, UP, India.	
		Pre-PhD thesis Presentation	19.05.2025	
		The list of Examiners for Evaluation of thesis was provided in a confidential cover. The agenda was placed before the School Board of the School of Sciences for its consideration and approval.		
	Decision of SB	The list of Examiners for evaluation of thesis of Mr. Hemanta Kumar (Enroll. No. 202492883) was read out before the Board		

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		members. The School Board of School of Sciences approved the list of examiners and advised the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.	
	SB 79.11.3	To report the minor change in the course title of the course MST-022 of the MSCAST programme.	
	Matter for Discussion	During of the development of the course MST-022: Linear Algebra and Multivariate Calculus of the MSCAST programme, it was observed that a more appropriate title of the course MST-022 is Linear Algebra and Multivariable Calculus instead of Linear Algebra and Multivariate Calculus. The statistics discipline discussed this matter and unanimously agreed to this minor change in the title of the course MST-022. It has also been communicated to SRD and SED through proper channel for changing the course title. The agenda was placed before the 79 th School Board of School of Sciences for ratification.	
	Decision of SB	The School Board ratified the minor change in the course title of the course MST-022 of the MSCAST programme.	
	SB 79.11.4	To consider and recommend the names of course writers and course editors of the minor statistics courses BSTM-161: Basic Statistical Methods, BSTM-162: Elementary Probability and Probability Distributions, BSTM-163: Estimation Techniques and Testing of Hypothesis and BSTML-164: Data Analysis with Excel under Four Year Undergraduate Programme (FYUP).	SB 79.11.4.1 SB 79.11.4.2
	Matter for Discussion	The lists of the names of the Unit Writers and Course Editors of the minor statistics courses BSTM-161: Basic Statistical Methods, BSTM-162: Elementary Probability and Probability Distributions, BSTM-163: Estimation Techniques and Testing of Hypothesis and BSTML-164: Data Analysis with Excel under Four Year Undergraduate Programme (FYUP) was placed before the 79th School Board of School of Sciences for consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the names of course writers and course editors of the minor courses statistics under Four Year Undergraduate Programme (FYUP) and recommended the same for the approval of the Competent Authority.	
SB 79.12	To consider and approve agenda items pertaining to <u>PGDESD Programme</u>.		
	SB 79.12.1	To consider and recommend the consolidated list of Members of the Moderation Board for the Courses of PGDESD Programme: MED-001 (Understanding the Environment), MED-002 (Sustainable Development: Issues and challenges), MED-003 (Energy and Environment), MED-004 (Towards Participatory Management), MED-005 (Integrated Environment Management: Rural and Urban), MED-006 (Natural Resource Management: and Biotic), MED-007 (Agriculture and Environment) and MED-008	SB 79.12.1

		(Globalisation and Environment).	
	Matter for Discussion	The consolidated list of Members of the Moderation Board for the Courses of PGDESD Programme: MED-001 (Understanding the Environment), MED-002 (Sustainable Development: Issues and challenges), MED-003 (Energy and Environment), MED-004 (Towards Participatory Management), MED-005 (Integrated Environment Management: Rural and Urban), MED-006 (Natural Resource Management: and Biotic), MED-007 (Agriculture and Environment) and MED-008 (Globalisation and Environment). The renewal list of Members of the Moderation Board for the courses of PGDESD programme was placed before the School Board of the School of Sciences for its consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the consolidated list of Members of the Moderation Board for the Courses of PGDESD Programme and recommended the same for the approval of the Competent Authority.	
	SB 79.12.2	To consider and recommend the additional list of Paper setters, for the Courses MED-001 (Understanding the Environment) and MED-007 (Agriculture and Environment) and list of Evaluators MED-007 (Agriculture and Environment) and MED-008 (Globalisation and Environment) of PGDESD Programme.	SB 79.12.2.1 SB 79.12.2.2
	Matter for Discussion	The additional list of Paper setters, for the Courses MED-001 (Understanding the Environment) and MED-007 (Agriculture and Environment) and list of Evaluators MED-007 (Agriculture and Environment) and MED-008 (Globalisation and Environment) of PGDESD Programme. The additional list of Paper Setters and Evaluators for the courses of PGDESD programme was placed before the School Board of the School of Sciences for its consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered the additional list of Paper setters for courses of PGDESD Programme and recommended the same for the approval of the Competent Authority.	
SB 79.13	To consider and approve agenda items pertaining to the <u>Discipline of Tabled Item.</u>		
	SB 79.13.1	To consider and approve the permission for translating units of three courses: Heterocyclic (MCH-017, 2 Blocks containing eight units), Green Chemistry (MCH-019, 2 Blocks containing eight units) and Chemistry of Polymers and Materials (MCH-021, Blocks 1 to 3 containing units 1 to 11) in Hindi Language for publication in two books as 'विषमचक्रीय यौगिक', 'हरित रसायन' and 'बहुलक रसायन और उसके अनुप्रयोग', respectively under preparation by Prof. Sunita Malhotra, Professor of Chemistry, School of Sciences.	
	Matter for Discussion	'Heterocyclic Chemistry', 'Green Chemistry' and 'Chemistry of Polymers' are part of UG and PG curricula in almost all the	

		Universities. These areas have diverse applications in our daily life. '<i>Heterocyclic Chemistry</i>' involves chemistry of Heterocyclic compounds and forms basis of organic synthesis. These compounds also have a variety of applications. '<i>Green Chemistry</i>' involves green approaches while using chemicals in chemistry laboratories-educational and industrial both. The '<i>Chemistry of Polymers and their Applications</i>' deals with a variety of polymeric materials and their applications in households, industries, health and medicine, communication, space and new materials. All these courses are on offer as Part of M.Sc. (Chemistry) programme of IGNOU in English medium only. No good Hindi Medium books are available to the learners studying these courses across different universities. It is, therefore, a very useful initiative to translate these course materials and provide quality learning materials to all the learners across the country. Also, this is in accordance the new emerging policies of Government of India to provide good books in various languages to the learners across the country. It is submitted that all the units for which the permission for translation was requested have been authored by Prof. Sunita Malhotra of Chemistry Discipline in the above mentioned two courses of the M.Sc. Chemistry programme.	
	Decision of SB	After much deliberations by the School Board Members recommended that the agenda was not in the purview of School Board of School of Sciences.	

The meeting ended with the vote of thanks to the Chair.

Meenal Mishra
 प्रो. मीनल मिश्रा / Prof. Meenal Mishra
CHAIRPERSON AND DIRECTOR, SOS
 विज्ञान विद्यापीठ / School of Sciences
 इ.सं.स.मु.वि., मेढान गढ़ी, नई दिल्ली-110068
 IGNOU, Maidan Garhi, New Delhi-110068

(Prof. Meenal Mishra)
 Chairperson-School Board of School of Sciences

IGNOU
School of Sciences

28th May 2025

Dissent Note

This is with reference to my dissent expressed in the 79th School Board meeting of School of Sciences held on 28th May 2025 for the items containing, Lists of paper Setters, Evaluators, Members of the Moderation Board and course writers vide items such as 79.4.1, 79.8.2, 79.8.3 and 79.8.4 etc.

My dissent may please be put on record for all those names of the experts appearing in the lists of the above mentioned courses and similar lists (for PG programme's courses) who have no teaching experience at PG level courses and are employed in various colleges and are teaching only at UG level.

Submitted please.



28/5/25

विज्ञान विभाग / Professor of Chemistry
विज्ञान विभाग / School of Sciences
इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय
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Director (SOS)

Neena
28/5/2025