

The meeting of School Board of School of Sciences was held on 11<sup>th</sup> September 2023 in the Conference Room of Raman Bhawan, School of Sciences at 11.30 am. The following members were present:

1.	Prof. Meenal Mishra	--	Chairperson
2.	Prof. Ashok Kumar Mishra		External Member
3.	Prof. V.K. Singh		External Member
4.	Dr. Sunita Joshi		External Member
5.	Dr. Neeta Sahgal		External Member
6.	Dr. Soniya	--	Member (Other School)
7.	Prof. Sunita Malhotra	--	Member
8.	Prof. Sujatha Varma	--	Member
9.	Prof. Bharat Inder Fozdar	--	Member
10.	Prof. Neera Kapoor	--	Member
11.	Prof. S.R. Jha	--	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. Benidhar Deshmukh	--	Member
18.	Prof. Subhakanta Mohapatra	--	Member
19.	Prof. Manish Trivedi	--	Member
20.	Prof. Deepika	--	Member
21.	Prof. R. Baskar	--	Member
22.	Prof. Vijay Kumar Baraik	--	Member
23.	Prof. Parvesh Bubber	--	Member
24.	Prof. Aryadeep Roy Choudhury	--	Member
25.	Dr. Siya Ram	--	Member
26.	Dr. Arvind Kumar Shakya	--	Member
27.	Dr. M. Prashanth	--	Member
28.	Dr. Pawan Kumar	--	Member
29.	Dr. Satya Raj	--	Member
30.	Dr. M. Boazbou Newmai	--	Member
31.	Dr. Gajraj Singh	--	Member

Prof. Kaushal Kumar Sharma, JNU, New Delhi, Prof. Rashmi Sinha, SOSS and Prof. P.V.K. Sasidhar, SEDS and Dr. Mohd. Saleem, SOFL could not attend the meeting. 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 members. She welcomed the nominated External Members under Clause 2 (e) of the Statute 10 A, namely Prof. Ashok Kumar Mishra, IIT Madras, Prof. V.K. Singh, Retired from BHU, Varanasi, Dr. Neeta Sahgal, Delhi University and Dr. Sunita Joshi, Daulat Ram College, Delhi University. She further welcomed the nominated Faculty members

from other Schools of IGNOU, namely Dr. Soniya, SOH under Clause (2) (d) of the Statute 10A. The Chairperson extended a warm welcome to the members of School Board from the School.

The Chairperson informed the School Board members that the last School Board meeting was held on 24<sup>th</sup> May 2023 and the minutes were circulated on 22<sup>nd</sup> June 2023. She further apprised the members about the progress made by the School of Sciences since the last School Board meeting held on 24<sup>th</sup> May 2023. Director of the school shared that School of Sciences had successfully launched four M.Sc. programmes in Physics, Geography, Applied Statistics and Geoinformatics. These programmes were launched on 2<sup>nd</sup> July 2023 (observed as Prof. G. Rama Reddy Memorial Lecture Day) by Hon'ble Minister of State for Education Dr. Subas Sarkar. Further, the Chairperson informed the progress made after the approval of Statutory Bodies towards the MOU between IMD and IGNOU regarding the installation of Automatic Weather Station (AWS) in IGNOU Campus at Maidan Garhi. She shared the information regarding offering the courses of science disciplines in B.Sc. (Applied Skills) programme of Agniveer Scheme. The Chairperson apprised the members of the School Board about offering Appreciation Course on Environment (ACE) programme to international students. This programme was developed by the School of Sciences in collaboration with the Ministry of Environment, Forests and Climate Change (MOEFCC), Government of India. The information regarding the School's proposal of Multidisciplinary undergraduate programme under FYUP was also shared. With this introduction, the School Board transacted the following agenda:

<b>Agenda No.</b>	<b>Sub Agenda</b>	<b>Agenda</b>	<b>Annexures</b>
<b>SB 73.1</b>	<b>To consider and approve the Minutes of 72<sup>nd</sup> Meeting of School Board of School of Sciences held on 24<sup>th</sup> May 2023 and the Action Taken Report on the Minutes.</b>		<b>SB 73.1.1 &amp; SB 73.1.2</b>
	<b>Matter for Discussion</b>	The Chairperson informed the Board that the Minutes of 72 <sup>nd</sup> Meeting of School Board of School of Sciences held on 24 <sup>th</sup> May, 2023 were circulated to all the members on 22 <sup>nd</sup> June 2023 and no comments were received. The Chairperson proposed that the Minutes be approved.	
	<b>Decision of SB</b>	The School Board approved the Minutes of the 72 <sup>nd</sup> School Board Meeting and also took note of the Action Taken Report.	
<b>SB 73.2</b>	<b>Matters arising out of the Minutes of 72<sup>nd</sup> meeting of the School Board.</b>		
	<b>Matter for Discussion</b>	Matters arising from the Minutes.	
	<b>Decision of SB</b>	No matter was reported.	
<b>SB 73.3</b>	<b>To consider and approve agenda items pertaining to the Discipline of</b>		

<b>Biochemistry</b>		
<b>SB 73.3.1</b>	<b>To consider and recommend the names of Course writers and editors of theory and lab courses of 1<sup>st</sup> to 4<sup>th</sup> semester: Concepts of Biochemistry (MBC-001), Biochemistry Lab I (MBCL-001), Bioanalytical Techniques (Course code MBC-003), Enzymes and Its application (MBC 004), Concepts and connections in metabolism (MBC 005), Clinical Biochemistry (MBC 009), Human Physiology (MBCE-013), Toxicology (MBCE 016) of M.Sc. (Biochemistry) programme.</b>	<b>SB 73.3.1</b>
<b>Matter for Discussion</b>	<p>Biochemistry Discipline is in the process of developing self-learning study material for M.Sc. (Biochemistry) Programme. The Programme Development form (PDF) and Programme Project Report (PPR) of M.Sc. (Biochemistry) were approved in the 58<sup>th</sup> meeting of Academic Council Standing Committee held on 21<sup>st</sup> Nov, 2022. Biochemistry discipline proposes the list of course writers and editors for the theory and lab courses of 1<sup>st</sup> to 4<sup>th</sup> semester: Concepts of Biochemistry (MBC-001), Biochemistry Lab I (MBCL-001), Bioanalytical Techniques (Course code MBC-003), Enzymes and their applications (MBC 004), Concepts and connections in metabolism (MBC 005), Clinical Biochemistry (MBC 009), Human Physiology (MBCE-013), Toxicology (MBCE 016) of M.Sc. (Biochemistry) programme.</p> <p>The names of course writers and editors for the theory and lab courses of 1<sup>st</sup> to 4<sup>th</sup> semester of M.Sc. (Biochemistry) Programme were placed before the School Board of School of Sciences for its consideration and recommendation.</p>	
<b>Decision of SB</b>	The School Board of School of Sciences considered names of Course Writers and Editors of the courses of M.Sc. (Biochemistry) Programme and recommended the names for the approval of the competent authority. The members of School Board took note of the course title "Enzymes and its applications" (MBC 004) and recommended a slight modification in the title as "Enzymes and their applications"	
<b>SB 73.3.2</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of Ms. Parul Gupta (En. No. 173101704) registered in the Ph.D. (Biochemistry) Programme.</b>	<b>SB 73.3.2</b>
<b>Matter for</b>	The details of Ms. Parul Gupta (En. No. 173101704)	

	<b>Discussion</b>	enrolled in Ph.D. (Biochemistry) programme are as follows:	
	<b>Name</b>	<b>PARUL GUPTA</b>	
	<b>Enrolment No.</b>	En. No. 173101704	
	<b>Date of Registration</b>	January, 2017	
	<b>Topic</b>	Polymorphic Study of Suitable Candidate Genes Associating Diabetic Nephropathy and Retinopathy	
	<b>Name(s) of Supervisor(s)</b>	1. Prof. Parvesh Bubber (Internal) 2. Prof. S.V. Madhu, Director and Head, Department of Endocrinology, UCMS and GTB Hospital, New Delhi (External)	
	<b>Pre Ph.D Course Work</b>	Completed	
	<b>Number(s) of Paper Publication and Details</b>	One- Accepted in Journal of Clinical and Diagnostic Research, Topic: Gene polymorphisms in patients with diabetic nephropathy and retinopathy	
	<b>Presentation of papers in seminars/ conferences</b>	1) Presentation of paper entitled "Role of ACE, AGT, RAGE, ALR and VEGF gene expression in patients with diabetic nephropathy and retinopathy" in the conference ICNPHH-2022 held at Deshbandhu College, University of Delhi, New Delhi. 2) Poster presentation of paper entitled "Role of ACE, AGT, RAGE, ALR and VEGF gene polymorphisms in patients with diabetic nephropathy and retinopathy" in the 49th annual conference of Indian Immunology Society, IMMUNOCO-2022, PGIMER, Chandigarh.	
	<b>Date of Pre-PhD thesis Presentation</b>	Tentatively October, 2023	
	The list of examiners for evaluation of thesis was provided in a Confidential Cover for approval of the School Board of School of Sciences.		
<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Ms. Parul Gupta (Enrolment No.173101704) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that		

		the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after successful Pre-PhD thesis Presentation of the scholar.	
<b>SB 73.4</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Chemistry</u></b>		
	<b>SB 73.4.1</b>	<b>To consider and approve the Minutes of 70<sup>th</sup> and 71<sup>st</sup> Doctoral Committee Meeting of Chemistry Discipline held on 29<sup>th</sup> May 2023 and 10<sup>th</sup> July 2023 respectively.</b>	<b>SB 73.4.1.1 SB 73.4.1.2</b>
	<b>Matter for Discussion</b>	<p>The 70<sup>th</sup> Doctoral Research Committee Meeting of Chemistry Discipline was held on 29th May, 2023. Following agenda was discussed:</p> <ul style="list-style-type: none"> <li>i) Assessment of Ph.D. synopsis and titles of the thesis of four scholars of July 2021 batch</li> <li>ii) Allotment of the Supervisor and Approval of the Co-supervisors for four scholars of July 2021 batch</li> <li>iii) Assessment of the Six-Monthly (Jan 2023-May 2023) Progress Reports of the scholars of July 2021 batch</li> <li>iv) Withdrawal of registration to PhD programme by Ms Aswathy R.S. (Enrol. No: 210270738)</li> <li>v) Change of status of Mr. Pragya Kumar (Enrol. No: 210271589) from part time to full time scholar</li> <li>vi) Not attending of the course work by Mr. Praveen Jain (Enrol No: 210270791) a scholar of July 2021 batch</li> <li>vii) Appraisal of the DRC by Programme coordinator about the action being taken for the scholars having unsatisfactory progress.</li> </ul> <p>The 71<sup>st</sup> Doctoral Research Committee Meeting for PhD in Chemistry Programme was held on 10<sup>th</sup> July, 2023 at 11:00 A.M. in the Conference Room, School of Sciences, IGNOU with the following agenda:</p> <ul style="list-style-type: none"> <li>i) Presentation of six-monthly progress reports by six research scholars enrolled in PhD (Chemistry) Programme.</li> <li>ii) Cancellation of registration of five PhD and one M.Phil. research scholar for unsatisfactory progress of research work.</li> </ul> <p>The Minutes of the 70<sup>th</sup> and 71<sup>st</sup> meeting of Doctoral Research Committee in Chemistry held on 29<sup>th</sup> May 2023 and 10<sup>th</sup> July 2023 respectively were placed before the School Board for the consideration and approval.</p>	

	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of the Minutes of 70 <sup>th</sup> and 71 <sup>st</sup> meeting of Doctoral Research Committee in Chemistry held on 29 <sup>th</sup> May 2023 and 10 <sup>th</sup> July 2023 respectively. The School Board further recommended the agendas pertaining to the cancellation of registration of scholars, Ph.D. synopsis and titles of the thesis, allotment of supervisor and change of status of from part time to full time scholar to be placed in RCSC/RC for consideration and approval.	
	<b>SB 73.4.2</b>	<b>To consider and approve the Minutes of Programme Expert Committee meeting of Chemistry discipline held in hybrid mode on 27<sup>th</sup> July 2023.</b>	<b>SB 73.4.2</b>
	<b>Matter for Discussion</b>	The Programme Expert Committee meeting for the M.Sc. (Chemistry) Programme was held on 27 <sup>th</sup> July 2023 at 10.30 am in hybrid mode. The following agenda was discussed: i) To review the Programme Structure of M.Sc (Chemistry) Programme ii) To approve the draft syllabi of the new courses proposed in the revised programme structure of MSc (Chemistry) Programme iii) To consider and approve the Programme structure of the proposed M.Sc. (Analytical Chemistry) programme. The Minutes of the Expert committee meeting of chemistry discipline were placed before the School Board for the consideration and approval	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of the Minutes of the Programme Expert Committee of Chemistry discipline held on 27 <sup>th</sup> July 2023.	
	<b>SB 73.4.3</b>	<b>To consider and approve the Revised PDF and PPR forms for M.Sc. (Chemistry) programme</b>	<b>SB 73.4.3.1 SB 73.4.3.2</b>
	<b>Matter for Discussion</b>	The PDF and PPR forms were approved in 69 <sup>th</sup> School Board held on 5 <sup>th</sup> April 2022 followed by 57 <sup>th</sup> ACSC and 78 <sup>th</sup> AC. The Chemistry Discipline is in the process of developing M.Sc. (Chemistry) programme which is proposed to be launched from January 2024. Further, a Programme Expert Committee meeting of	

		<p>chemistry discipline was held on 27<sup>th</sup> July 2023 with the following agenda:</p> <p>i) To review the Programme Structure of M.Sc. (Chemistry) Programme</p> <p>ii) To approve the draft syllabi of the new courses proposed in the revised programme structure of M.Sc. (Chemistry) Programme</p> <p>In light of the introduction of new courses in the Programme structure the revised PDF and PPR were placed for the consideration and approval of School Board.</p>	
	<b>Decision of SB</b>	<p>In the light of the discussion in the School Board the programme coordinators were advised to submit revised intimation forms to various divisions and revisit the proposed programme code. The School Board after much deliberation on the modified PDF and PPR of the M.Sc. (Chemistry) programme which is proposed to be launched from January 2024 cycle, approved it for further consideration and approval of the ACSC/AC.</p>	
	<b>SB 73.4.4</b>	<b>To consider and approve the Programme Proposal Form (PPF) for M.Sc. (Analytical Chemistry) Programme</b>	<b>SB 73.4.4.1</b> <b>SB 73.4.4.2</b> <b>SB 73.4.4.3</b>
	<b>Matter for Discussion</b>	<p>The Chemistry Discipline is in the process of developing M.Sc. (Chemistry) programme, proposed to be launched from January 2024. PGDAC (Postgraduate Diploma in Analytical Chemistry) programme is already on offer from 2009. The discipline of chemistry has proposed to offer M.Sc. (Analytical Chemistry) by utilizing the course material developed for M.Sc. (Chemistry) and the available self-learning material of PGDAC programme. The rationale and Programme structure of the proposed M.Sc. (Analytical Chemistry) programme were placed before the Programme Expert Committee meeting held on 27<sup>th</sup> July 2023. After detailed deliberations, the programme structure and other modalities were finalised. Based on the deliberations in the aforementioned meeting, the Chemistry Discipline placed the Programme Proposal Form (PPF) for M.Sc. (Analytical Chemistry) Programme before the School Board of School of Sciences.</p> <p>The Programme Proposal Form (PPF) for M.Sc. (Analytical Chemistry) Programme, Minutes of the Programme Expert Committee and Broad Programme Structure were placed before the School Board for its</p>	

		consideration and approval	
	<b>Decision of SB</b>	The School Board deliberated on the Programme Proposal Form (PPF) of the M.Sc. (Analytical Chemistry) programme proposed to be launched from 2024 January cycle and then approved it for further consideration and approval of the Academic Programme Committee.	
	<b>SB 73.4.5</b>	<b>To consider and recommend the name of course writer for MCH-018 course titled 'Quantum Chemistry and Group theory' of M.Sc. (Chemistry) Programme</b>	<b>SB 73.4.5</b>
	<b>Matter for Discussion</b>	The Chemistry Discipline is engaged with the development of the courses of MSc (Chemistry) programme proposed to be launched in Jan 2024. The Discipline proposed the name of a course writer for MCH-018 course of M.Sc. (Chemistry) Programme. The name of course writer for MCH-018 of MSc (Chemistry) Programme was placed before the School Board for the consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the name of Course Writer for MCH-018 course of M.Sc. (Chemistry) Programme for the approval of the Competent Authority.	
	<b>SB 73.4.6</b>	<b>To consider and recommend the name of Editor for the 1<sup>st</sup> Semester M.Sc. (Chemistry) course (MCH-014), 'Mathematics for Chemists'</b>	<b>SB 73.4.6</b>
	<b>Matter for Discussion</b>	The course, Mathematics for Chemists (MCH-014) is one of the core courses to be offered in the 1 <sup>st</sup> Semester of M.Sc. (Chemistry) Programme. It is a 2 credits course. The name of the editor for the course (MCH-014), 'Mathematics for Chemists' of MSc (Chemistry) Programme was placed before the School Board for the consideration and approval	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the name of editor for the course (MCH-014), 'Mathematics for Chemists' of M.Sc. (Chemistry) Programme for the further approval of the Competent Authority.	
	<b>SB 73.4.7</b>	<b>To consider and recommend the consolidated list of Evaluators for the Chemistry Course of BSCG programme</b>	<b>SB 73.4.7</b>
	<b>Matter for Discussion</b>	The consolidated list of the evaluators for chemistry course 'Organometallics, Bioinorganic Chemistry,	

		Polynuclear Hydrocarbons and UV, IR Spectroscopy' (BCHET-147) of BSCG programme was placed before the School Board of School of Sciences for consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the consolidated list of the evaluators for chemistry course 'Organometallics, Bioinorganic Chemistry, Polynuclear Hydrocarbons and UV, IR Spectroscopy' (BCHET-147) of BSCG programme for the approval of the Competent Authority.	
	<b>SB 73.4.8</b>	<b>To consider and recommend the additional names of Evaluators for the chemistry courses of BSCG, B.Sc., PGDAC and CPLT programmes</b>	<b>SB 73.4.8.1 SB 73.4.8.2 SB 73.4.8.3 SB 73.4.8.4</b>
	<b>Matter for Discussion</b>	The discipline of Chemistry had proposed additional names of the evaluators for chemistry courses of BSCG, B.Sc., PGDAC and CPLT programmes. The names of the of evaluators for the chemistry courses of BSCG, B.Sc., PGDAC and CPLT programmes were placed before the School Board for the consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the consolidated list of the evaluators for the chemistry courses of BSCG, B.Sc., PGDAC and CPLT programmes for further approval of the Competent Authority.	
<b>SB 73.5</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Geography.</u></b>		
	<b>SB 73.5.1</b>	<b>To consider and approve the Minutes of the 72<sup>nd</sup>, 73<sup>rd</sup>, and 74<sup>th</sup> Meetings of the Doctoral Research Committee of Geography Discipline held on July 25, 2023, July 26, 2023 and August 02, 2023 respectively.</b>	<b>SB 73.5.1.1 SB 73.5.1.2 SB 73.5.1.3</b>
	<b>Matter for Discussion</b>	The Geography Discipline Group had submitted the Minutes of the 72 <sup>nd</sup> , 73 <sup>rd</sup> and 74 <sup>th</sup> Meetings of the Doctoral Research Committee of Geography Discipline held on July 25, 2023, July 26, 2023 and August 02, 2023 respectively. 72 <sup>nd</sup> Doctoral Research Committee was held on 25 <sup>th</sup> July 2023. Following agenda items were discussed: i) To review the Progress Reports of 07 Ph.D. research scholars enrolled in Ph.D. (Geography) Programme of 2017, 2018 and 2020 admission cycles.	

		<p>ii) To review the Mandatory work in Progress Seminar of 04 Research Scholars registered in Ph.D. (Geography) Programme. 73<sup>rd</sup> Doctoral Research Committee was held on 26<sup>th</sup> July 2023. Following agenda items were discussed:</p> <p>i) To review the Progress Reports of 07 Ph.D. research scholars enrolled in Ph.D. (Geography) Programme of 2017, 2018 and 2020 admission cycles.</p> <p>ii) To review the Mandatory work in Progress Seminar of 04 Research Scholars registered in Ph.D. (Geography) Programme. 74<sup>th</sup> Doctoral Research Committee was held on 2<sup>nd</sup> August 2023. Following agenda items were discussed:</p> <p>i) To review the Progress Reports of 10 Ph.D. research scholars enrolled in Ph.D. (Geography) Programme of 2017, 2018 and 2020 admission cycles.</p> <p>ii) To review the Mandatory work in Progress Seminar of 02 Research Scholars registered in Ph.D. (Geography) Programme.</p> <p>The Minutes of the Doctoral Research Committee Meetings were placed before the School Board of the School of Sciences for its consideration and approval.</p>											
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of the Minutes of 72 <sup>nd</sup> , 73 <sup>rd</sup> and 74 <sup>th</sup> Meeting of the Doctoral Research Committee of Geography held on 25 <sup>th</sup> July 2023, 26 <sup>th</sup> July 2023 and 2 <sup>nd</sup> August 2023.											
	<b>SB 73.5.2</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of the scholar Ms. Saumya Singh (Enrollment no. 188500127; July 2018 cycle), registered in Ph.D. (Geography) programme</b>	<b>SB 73.5.2</b>										
	<b>Matter for Discussion</b>	<p>The details of Ms. Saumya Singh (Enrollment no. 188500127; July 2018 cycle) enrolled in Ph.D. (Geography) programme are as follows:</p> <table border="1" data-bbox="491 1711 1316 2045"> <tr> <td><b>Name</b></td> <td><b>SAUMYA SINGH</b></td> </tr> <tr> <td><b>Enrolment Number</b></td> <td>188500127 (July, 2018 admission cycle)</td> </tr> <tr> <td><b>Date of Registration</b></td> <td>28/06/2018</td> </tr> <tr> <td><b>Research Topic</b></td> <td>Gender Gap and Demographic Dividend for Economic Development of India: A Case Study of Delhi NCR</td> </tr> <tr> <td><b>Name(s) of</b></td> <td>Dr. Vishal Warpa</td> </tr> </table>	<b>Name</b>	<b>SAUMYA SINGH</b>	<b>Enrolment Number</b>	188500127 (July, 2018 admission cycle)	<b>Date of Registration</b>	28/06/2018	<b>Research Topic</b>	Gender Gap and Demographic Dividend for Economic Development of India: A Case Study of Delhi NCR	<b>Name(s) of</b>	Dr. Vishal Warpa	
<b>Name</b>	<b>SAUMYA SINGH</b>												
<b>Enrolment Number</b>	188500127 (July, 2018 admission cycle)												
<b>Date of Registration</b>	28/06/2018												
<b>Research Topic</b>	Gender Gap and Demographic Dividend for Economic Development of India: A Case Study of Delhi NCR												
<b>Name(s) of</b>	Dr. Vishal Warpa												

		<p><b>Supervisor</b></p> <p>Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068</p>	
		<p><b>Number(s) of Paper Publication and Details</b></p> <p>1. Singh, S. (2022). Assessment of the Determinants of Female Workforce in India. Annals NAGI volume 42 (no.1) page 169-184.          2. Singh, S. and Warpa, V. (2020). Gender Inequality and Human Development in India: State Level Analysis. IJRAR May 2020 Volume 7, Issue 2, P ISSN- 2349-5138.</p>	
		<p><b>Nos. of Papers presented in conference/s seminar</b></p> <p>1. Paper titled "Gender Inequality and Human Development in India" presented in the International Conference on 'Social Science and Humanities- ICSCH-2020', organized by 'The International Academic Association of Researchers in Humanities, IT, Engineering and Science', held in New Delhi, India, during 27-28 February, 2020.          2. Paper titled "Socio-Economic Transformation of Women in National Capital Region of Delhi: A District Level Analysis" presented in National Seminar on 'Impact of Migration on Environment and Socio-Economic Development of Chhattisgarh' organized by Department of Geography, Chaitanya College Ramgarh, Chhattisgarh, India during 5-6 February 2022.</p>	
		<p><b>Date of Pre-PhD thesis Presentation</b></p> <p>09.06.2023</p>	
		<p>The list of Examiners for Evaluation of Thesis is provided in a Confidential Cover for approval of the School Board of School of Sciences.</p>	
	<b>Decision of SB</b>	<p>The list of Examiners for evaluation of thesis of Ms. Saumya Singh (Enrolment No.188500127) was read out before the Board members. The School Board of School of Sciences approved the list of examiners.</p>	

	<b>SB 73.5.3</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of the scholar Ms. Noopur Mishra (Enrolment no. 179342310; July 2017) registered in Ph.D. (Geography) programme</b>	<b>SB 73.5.3</b>														
	<b>Matter for Discussion</b>	<p>The details of Ms Noopur Mishra (Enrolment no. 179342310; July 2017) enrolled in Ph.D. (Geography) programme are as follows:</p> <table border="1"> <tr> <td data-bbox="491 629 730 667"><b>Name</b></td> <td data-bbox="730 629 1307 667"><b>NOOPUR MISHRA</b></td> </tr> <tr> <td data-bbox="491 667 730 745"><b>Enrolment Number</b></td> <td data-bbox="730 667 1307 745">179342310 (July, 2017 admission cycle)</td> </tr> <tr> <td data-bbox="491 745 730 824"><b>Date of Registration</b></td> <td data-bbox="730 745 1307 824">28/12/2017</td> </tr> <tr> <td data-bbox="491 824 730 936"><b>Research Topic</b></td> <td data-bbox="730 824 1307 936">Vulnerability Assessment and Socio-Economic Resilience to Floods in Middle Ganga Plains of Uttar Pradesh.</td> </tr> <tr> <td data-bbox="491 936 730 1093"><b>Name(s) of Supervisor(s)</b></td> <td data-bbox="730 936 1307 1093">Prof. Subhakanta Mohapatra Discipline of Geography School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068</td> </tr> <tr> <td data-bbox="491 1093 730 1787"><b>Number(s) of Paper Publication and Details</b></td> <td data-bbox="730 1093 1307 1787">           1. Mishra, N. and Mohapatra, S. (2019). Identification and Construction of Flood disaster Resilience Index to Measure Socio-Economic Flood Resilience in Eastern Uttar Pradesh: An Inter district Analysis. International Journal for Applied Social Sciences (IJASS), Vol 6, Issue (11&amp;12), PP- 2385-2390. Doi: 10.36537/IJASS/6.11&amp;12/2385-2390.            2. Mishra, N. and Mohapatra, S. (2023). A Conceptual Framework of Vulnerability and Resilience to Hazard: A Comprehensive Analysis. International Journal of All Research Education and Scientific Methods (IJARESM), Volume 11, Issue 5, ISSN:2455-6211.         </td> </tr> <tr> <td data-bbox="491 1787 730 2051"><b>Nos. of Papers presented in conference/s seminar</b></td> <td data-bbox="730 1787 1307 2051">1. Presented a Paper on "A Study of Socio-Economic Resilience to Flood Vulnerability in Eastern Uttar Pradesh" XII International Geographical Union (IGU) Conference, organised by Government College Panchkula, Haryana, India, 22-24 February 2019.</td> </tr> </table>	<b>Name</b>	<b>NOOPUR MISHRA</b>	<b>Enrolment Number</b>	179342310 (July, 2017 admission cycle)	<b>Date of Registration</b>	28/12/2017	<b>Research Topic</b>	Vulnerability Assessment and Socio-Economic Resilience to Floods in Middle Ganga Plains of Uttar Pradesh.	<b>Name(s) of Supervisor(s)</b>	Prof. Subhakanta Mohapatra Discipline of Geography School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068	<b>Number(s) of Paper Publication and Details</b>	1. Mishra, N. and Mohapatra, S. (2019). Identification and Construction of Flood disaster Resilience Index to Measure Socio-Economic Flood Resilience in Eastern Uttar Pradesh: An Inter district Analysis. International Journal for Applied Social Sciences (IJASS), Vol 6, Issue (11&12), PP- 2385-2390. Doi: 10.36537/IJASS/6.11&12/2385-2390. 2. Mishra, N. and Mohapatra, S. (2023). A Conceptual Framework of Vulnerability and Resilience to Hazard: A Comprehensive Analysis. International Journal of All Research Education and Scientific Methods (IJARESM), Volume 11, Issue 5, ISSN:2455-6211.	<b>Nos. of Papers presented in conference/s seminar</b>	1. Presented a Paper on "A Study of Socio-Economic Resilience to Flood Vulnerability in Eastern Uttar Pradesh" XII International Geographical Union (IGU) Conference, organised by Government College Panchkula, Haryana, India, 22-24 February 2019.	
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		<p>2. Presented a Paper on "Assessment of Community Resilience to Flood Hazard in Eastern Uttar Pradesh" 40th Indian Geographers Meet 2019, The Institute of Indian Geographers (IIG), organised by Jawaharlal Nehru University, New Delhi, India, 14-16 March, 2019.</p>											
		<table border="1"> <tr> <td><b>Date of Pre-PhD thesis Presentation</b></td> <td>13.09.2023</td> </tr> </table>	<b>Date of Pre-PhD thesis Presentation</b>	13.09.2023									
<b>Date of Pre-PhD thesis Presentation</b>	13.09.2023												
		The list of Examiners for Evaluation of Thesis is provided in a Confidential Cover for approval of the School Board of School of Sciences.											
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Ms. Noopur Mishra (Enrolment No.179342310) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after successful Pre-PhD thesis Presentation.											
	<b>SB 73.5.4</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of the scholar Mohd. Asim (Enrollment no. 179342341; July, 2017 cycle) registered in Ph.D. (Geography) programme</b>	<b>SB 73.5.4</b>										
	<b>Matter for Discussion</b>	<p>The details of Mohd Asim (Enrollment no. 179342341; July, 2017 cycle) enrolled in Ph.D. (Geography) programme are as follows:</p> <table border="1"> <tr> <td><b>Name</b></td> <td><b>MOHD ASIM</b></td> </tr> <tr> <td><b>Enrolment Number</b></td> <td>179342341 (July, 2017 cycle)</td> </tr> <tr> <td><b>Date of Registration</b></td> <td>28/12/2017</td> </tr> <tr> <td><b>Research Topic</b></td> <td>Anthropogenic Impact on Fluvial Processes of River Yamuna in Delhi-NCR</td> </tr> <tr> <td><b>Name(s) of Supervisor</b></td> <td>Dr. K. Nageswara Rao Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068</td> </tr> </table>		<b>Name</b>	<b>MOHD ASIM</b>	<b>Enrolment Number</b>	179342341 (July, 2017 cycle)	<b>Date of Registration</b>	28/12/2017	<b>Research Topic</b>	Anthropogenic Impact on Fluvial Processes of River Yamuna in Delhi-NCR	<b>Name(s) of Supervisor</b>	Dr. K. Nageswara Rao Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068
<b>Name</b>	<b>MOHD ASIM</b>												
<b>Enrolment Number</b>	179342341 (July, 2017 cycle)												
<b>Date of Registration</b>	28/12/2017												
<b>Research Topic</b>	Anthropogenic Impact on Fluvial Processes of River Yamuna in Delhi-NCR												
<b>Name(s) of Supervisor</b>	Dr. K. Nageswara Rao Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068												

		<p><b>Number(s) of Paper Publication and Details</b></p>	<p>1. Mohd Asim and Nageswara Rao, K. (2021). Assessment of Heavy Metal Pollution in Yamuna River, Delhi-NCR, using Heavy Metal Pollution Index and GIS. Environmental Monitoring and Assessment. 193(2), DOI: 10.1007/s10661-021-08886-6. IF: 3.1: ISSN: 0167-6369. Springer International</p> <p>2. Mohd Asim and Nageswara Rao, K (2020). Changing Course of River Yamuna in Delhi-NCR - An Analytical Study Using Remote Sensing and DSAS Tools. International Journal of Recent Advances in Engineering &amp; Technology. 8, pp. 58-64. ISSN: 2347-2812.</p>	
		<p><b>Nos. of Papers presented in conference /seminar</b></p>	<p>1. Presented paper "Assessment of channel migration of the river Yamuna using geospatial techniques" in international conference on water resource, climate change and sustainability. In Centre for Sustainable Development, Institute of Public Enterprise. Hyderabad, India.</p> <p>2. Presented paper on "Yamuna in Delhi-NCR: A river or a drain, an evaluation by water quality index approach". In 43 rd Indian Geography Congress 2021 of National Association of Geographers, India (NAGI). Banaras Hindu University, Banaras, India.</p>	
		<p><b>Date of Pre-PhD thesis Presentation</b></p>	<p>06.09.2023</p>	
	<p><b>Decision of SB</b></p>	<p>The list of Examiners for Evaluation of Thesis is provided in a Confidential Cover for approval of the School Board of School of Sciences.</p> <p>The list of Examiners for evaluation of thesis of Mohd Asim (Enrollment no. 179342341) was read out before the Board members. The School Board of School of Sciences approved the list of examiners.</p>		

	<b>SB 73.5.5</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of the scholar Mr. Himayoon (Enrollment no. 179342294; July, 2017 cycle) registered in Ph.D. (Geography) programme</b>	<b>SB 73.5.5</b>																
	<b>Matter for Discussion</b>	<p>The details of Mr. Himayoon (Enrollment no. 179342294; July, 2017 cycle) enrolled in Ph.D. (Geography) programme are as follows:</p> <table border="1" data-bbox="491 629 1299 2051"> <tr> <td><b>Name</b></td> <td><b>Mr. Himayoon</b></td> </tr> <tr> <td><b>Enrolment Number</b></td> <td>179342294 (July, 2017 admission cycle)</td> </tr> <tr> <td><b>Date of Registration</b></td> <td>28/12/2017</td> </tr> <tr> <td><b>Research Topic</b></td> <td>Climate Change and its Prospective Impact on the Water Resources of Kashmir Valley J &amp; K, India</td> </tr> <tr> <td><b>Name(s) of Supervisor</b></td> <td>Prof. Vijay Kumar Baraik Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068</td> </tr> <tr> <td><b>Co-Supervisor</b></td> <td>Prof. M.S. Nathawat (Retd.) Discipline of Geography School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068</td> </tr> <tr> <td><b>Number(s) of Paper Publication</b></td> <td>1. Himayoon (2023): "Time Series Analysis of Seasonal Temperature Variability in Kashmir Valley-India", International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 5, May-2023.</td> </tr> <tr> <td><b>Nos. of Papers presented in conference/seminar</b></td> <td>1. Temperature and Precipitation Variability in Srinagar Urban Centre of Kashmir Himalayas in the National Seminar on Urban Environment in the 21<sup>st</sup> Century: Issues and Challenges in at Jamia Millia Islamia, New Delhi on 27-28 March, 2018. 2. Trend Analysis of Winter Precipitation over Kashmir Valley from 1980-2016, in the Ist</td> </tr> </table>	<b>Name</b>	<b>Mr. Himayoon</b>	<b>Enrolment Number</b>	179342294 (July, 2017 admission cycle)	<b>Date of Registration</b>	28/12/2017	<b>Research Topic</b>	Climate Change and its Prospective Impact on the Water Resources of Kashmir Valley J & K, India	<b>Name(s) of Supervisor</b>	Prof. Vijay Kumar Baraik Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068	<b>Co-Supervisor</b>	Prof. M.S. Nathawat (Retd.) Discipline of Geography School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068	<b>Number(s) of Paper Publication</b>	1. Himayoon (2023): "Time Series Analysis of Seasonal Temperature Variability in Kashmir Valley-India", International Journal of All Research Education and Scientific Methods (IJARESM), ISSN: 2455-6211, Volume 11, Issue 5, May-2023.	<b>Nos. of Papers presented in conference/seminar</b>	1. Temperature and Precipitation Variability in Srinagar Urban Centre of Kashmir Himalayas in the National Seminar on Urban Environment in the 21 <sup>st</sup> Century: Issues and Challenges in at Jamia Millia Islamia, New Delhi on 27-28 March, 2018. 2. Trend Analysis of Winter Precipitation over Kashmir Valley from 1980-2016, in the Ist	
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		International Conference on Recent Developments in Science, Humanities & Management-2018 at Amar Singh College, Cluster University, Srinagar, held on 17-18 April, 2018.	
		<b>Date of Pre-PhD thesis Presentation</b>	13 <sup>th</sup> September 2023 (Tentative)
		The list of Examiners for Evaluation of Thesis is provided in a Confidential Cover for approval of the School Board of School of Sciences.	
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Mr. Himayoon (Enrollment no. 179342294) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the successful Pre-PhD thesis Presentation.	
	<b>SB 73.5.6</b>	<b>To consider and recommend the additional names of Editors and Course Writers for the courses: Economic Geography (MGG-06), Geographical Information System (GIS) (MGG-011) and Geospatial Analysis (MGGL-03) of M.Sc. (Geography) Programme</b>	<b>SB 73.5.6</b>
	<b>Matter for Discussion</b>	M.Sc. (Geography) Programme is on offer from July 2023 admission cycle. Geography discipline proposes the additional names of course writers: Economic Geography (MGG-06), Geographical Information System (GIS) (MGG-011) and Geospatial Analysis (MGGL-03) of M.Sc. (Geography) Programme. The above agenda was placed before the School Board of the School of Sciences for consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the additional lists of Course Writers and Editors of the courses of M.Sc. (Geography) Programme and recommended the names for the approval of the Competent Authority.	
	<b>SB 73.5.7</b>	<b>To consider and recommend the lists of Paper Setters and Members of the Moderation Board for the First Semester Courses of M.Sc. (Geography)</b>	<b>SB 73.5.7.1 SB 73.5.7.2</b>

		<b>Programme: Introduction to Geographical Thought (MGG-001), Geomorphology (MGG-002), Regional Geography of India (MGG-003), Population and Settlement Geography (MGG-004), Advances in Geographical Thought (MGG-008)</b>	
	<b>Matter for Discussion</b>	Geography discipline is offering M.Sc. (Geography) programme from July 2023 cycle. The lists of Paper Setters and Members of the Moderation Board for the First Semester Courses of M.Sc. (Geography) Programme Introduction to Geographical Thought (MGG-001), Geomorphology (MGG-002), Regional Geography of India (MGG-003), Population and Settlement Geography (MGG-004), Advances in Geographical Thought (MGG-008) were placed before the School Board of the School of Sciences for consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the lists of Paper Setters and Members of the Moderation Board for the First Semester Courses: Introduction to Geographical Thought (MGG-001), Geomorphology (MGG-002), Regional Geography of India (MGG-003), Population and Settlement Geography (MGG-004), Advances in Geographical Thought (MGG-008) of M.Sc. (Geography) Programme and recommended the lists for the approval of the Competent Authority.	
	<b>SB 73.5.8</b>	<b>To consider and approve the Evaluation of Methodology for M.Sc. (Geography) Programme</b>	<b>SB 73.5.8.1 SB 73.5.8.2</b>
	<b>Matter for Discussion</b>	The Programme Proposal Form (PPF) of M.Sc. (Geography) Programme was approved in the 54 <sup>th</sup> APC in its meeting held on 15 <sup>th</sup> March 2018 vide item no. A.P.C. 54.2.2. Subsequently, the Project Development Form (PDF) and Project Proposal Report (PPR) of the M.Sc. (Geography) Programme were approved in the 68 <sup>th</sup> School Board meeting vide item no. SB 68.15.1.1 held on 3 <sup>rd</sup> December 2021, and the further by the 77 <sup>th</sup> Academic Council vide item no. AC 77.29.1 held on 28 <sup>th</sup> December 2021. Programme Revision Form of M.Sc. Geography Programme was approved in the 59 <sup>th</sup> Meeting of Academic Council Standing Committee meeting vide item no ACSC 59.13.1. Programme Launch Form (PLF) of the M.Sc. (Geography) Programme was approved in 67 <sup>th</sup> A.P.C. held on 1 <sup>st</sup> June 2023 vide item no. APC 67.7.2. The	

		Expert Committee for the devising evaluation methodology for the MSCGG Programme was held on 31 <sup>st</sup> August 2023. The Minutes of the meeting held for devising evaluation methodology were placed before the 73 <sup>rd</sup> School Board for its consideration and approval along with relevant annexure in the required format respectively.					
	<b>Decision of SB</b>	The School Board of School of Sciences after deliberation considered and approved the evaluation methodology of M.Sc. (Geography) programme.					
	<b>SB 73.5.9</b>	<b>To consider and approve the Qualification for Academic Counsellors for M.Sc. (Geography) Programme.</b>	<b>SB 73.5.9</b>				
	<b>Matter for Discussion</b>	<p>M.Sc. (Geography) programme is on offer from July 2023 cycle. The Expert Committee for the reviewing the academic qualifications of academic counsellors of M.Sc. (Geography) Programme was held on 31<sup>st</sup> August 2023. The Qualifications for Academic Counsellors for M.Sc. (Geography) Programme proposed in the expert committee are as follows:</p> <table border="1"> <thead> <tr> <th><b>Programme</b></th> <th><b>Qualification for Academic Counsellors</b></th> </tr> </thead> <tbody> <tr> <td>M.Sc. (Geography) Programme</td> <td>                     i) Retired or working as regular faculty with Masters in Geography and teaching specific courses of Geography at Post Gradation level in College/University Departments (recognised by UGC).                      ii) For the courses related to GIS and Remote Sensing namely MGG-011, MGGL-003, MGG-012 and MGGL-005 in addition to the above teachers, professionals from scientific organizations and industries in these fields having Masters in Geography and minimum 2 years relevant industrial experiences are also eligible.                 </td> </tr> </tbody> </table> <p>The Minutes of the Expert Committee meeting for reviewing the qualifications of academic counsellors of M.Sc. (Geography) programme were placed before the School Board of the School of Sciences for its consideration and approval.</p>	<b>Programme</b>	<b>Qualification for Academic Counsellors</b>	M.Sc. (Geography) Programme	i) Retired or working as regular faculty with Masters in Geography and teaching specific courses of Geography at Post Gradation level in College/University Departments (recognised by UGC). ii) For the courses related to GIS and Remote Sensing namely MGG-011, MGGL-003, MGG-012 and MGGL-005 in addition to the above teachers, professionals from scientific organizations and industries in these fields having Masters in Geography and minimum 2 years relevant industrial experiences are also eligible.	
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	<b>Decision of SB</b>	The School Board of School of Sciences considered the qualifications of academic counsellors of M.Sc. (Geography) programme and recommended the same for the approval of the ACSC/AC.	
	<b>SB 73.5.10</b>	<b>To consider and approve the Minutes of the 75<sup>th</sup> Meeting of the Doctoral Research Committee of Geography Discipline held on September 06, 2023</b>	<b>SB 73.5.10</b>
	<b>Matter for Discussion</b>	The Geography Discipline Group has submitted the Minutes of the 75 <sup>th</sup> Meeting of the Doctoral Research Committee of Geography Discipline held on September 06, 2023. The following item is discussed and finalized in the meeting. <ul style="list-style-type: none"> <li>To review the Pre-Ph.D. Thesis submission Seminar presentation of Mohd Asim (Enrollment no. 179342341) July, 2017, admission cycle</li> </ul> The Minutes of the Doctoral Committee Meetings are before the School Board of School of Sciences for its consideration and approval.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of the Minutes of 75 <sup>th</sup> Meeting of the Doctoral Research Committee of Geography held on 6 <sup>th</sup> September 2023.	
<b>SB 73.6</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Geology</u>.</b>		
	<b>SB 73.6.1</b>	<b>To consider and approve the minutes of the 68<sup>th</sup>, 69<sup>th</sup>, 70<sup>th</sup> and 71<sup>st</sup> Meetings of the Doctoral Committee in Geology held on 17<sup>th</sup> July 2023, 28<sup>th</sup> July 2023, 4<sup>th</sup> August 2023, and 24<sup>th</sup> August 2023, respectively.</b>	<b>SB 73.6.1.1 SB 73.6.1.2 SB 73.6.1.3 SB 73.6.1.4</b>
	<b>Matter for Discussion</b>	The 68 <sup>th</sup> , 69 <sup>th</sup> , 70 <sup>th</sup> and 71 <sup>st</sup> Meetings of the Doctoral Committee in Geology were held on 17 <sup>th</sup> July 2023, 28 <sup>th</sup> July 2023, 4 <sup>th</sup> August 2023, and 24 <sup>th</sup> August 2023, respectively. 69 <sup>th</sup> meeting of the Doctoral Committee in Geology was held on 17 <sup>th</sup> July 2023 with following agenda: <ol style="list-style-type: none"> <li>To review the progress reports of 03 research scholars enrolled in Ph.D (Geology) programme.</li> </ol> 69 <sup>th</sup> meeting of the Doctoral Committee in Geology was held on 28 <sup>th</sup> July 2023 with following agenda: <ol style="list-style-type: none"> <li>To review the progress reports of 03 research scholars enrolled in Ph.D (Geology) programme.</li> </ol>	

		<p>The 70<sup>th</sup> Meeting of the Doctoral Committee in Geology held on 4<sup>th</sup> August, 2023 with two agenda items:</p> <ul style="list-style-type: none"> <li>i) To review the First Work-in-Progress Seminar of two scholars enrolled in Ph.D (Geology) programme.</li> <li>ii) To review the progress reports of 04 research scholars enrolled in Ph.D (Geology) programme.</li> </ul> <p>The 71<sup>st</sup> Meeting of the Doctoral Committee in Geology held on 24<sup>th</sup> August, 2023 with three agenda items:</p> <ul style="list-style-type: none"> <li>i) To consider and review Pre-PhD submission seminar of Ms. Beena Kouser (Enrol No. 198570373) enrolled in PhD (Geology) programme,</li> <li>ii) To approve the PhD Synopsis, thesis title and allotment of supervisor of the Scholar Mr. Faisal Imam Umrani (Enrol. No.: 210270150) enrolled in PhD (Geology) Programme.</li> <li>iii) To consider and approve the request of the scholar Ms. Astha Dangwal (Enrol. No.: 202492726) for cancellation of registration from PhD (Geology) programme.</li> </ul> <p>The Minutes of the Doctoral Committees were placed before the School Board of School of Sciences for its consideration and approval.</p>	
	<b>Decision of SB</b>	<p>The contents of minutes of 68<sup>th</sup>, 69<sup>th</sup>, 70<sup>th</sup> and 71<sup>st</sup> Meetings of the Doctoral Committee in Geology were approved by School Board of School of Sciences. The School Board further recommended the agenda pertaining to the cancellation of registration of scholars, Ph.D. synopsis and titles of the thesis, and allotment of supervisor to be placed in RCSC/RC for consideration and approval.</p>	
	<b>SB 73.6.2</b>	<b>To consider and approve the cancellation of registration of Mr. Rajesh Kumar (Enrol. No. 179342019) enrolled in PhD Geology programme.</b>	<b>SB 73.6.2.1</b> <b>SB 73.6.2.2</b> <b>SB 73.6.2.3</b>
	<b>Matter for Discussion</b>	<p>Mr. Rajesh Kumar was registered for PhD (Geology) programme under the joint supervision of Dr. Omkar Verma and Dr. Yudhbir Singh, University of Jammu, Jammu. The proposal of cancellation of registration of Mr. Rajesh Kumar (Enrol. No. 179342019) enrolled in PhD (Geology) programme was placed in the 70<sup>th</sup> meeting of the School Board of School of Sciences held on 2<sup>nd</sup> November, 2022. The School Board advised in its 70<sup>th</sup> meeting "to follow the University rules and</p>	

		<p><i>procedure of cancellation of a PhD scholar's registration that included sending 3 letters by registered post to Mr. Rajesh Kumar (Enrol. No. 179342019) conveying that he should show satisfactory progress in his PhD work failing which his registration was liable to be cancelled."</i></p> <p>Subsequently on the advice of the School Board, three registered letters were sent to the scholar Mr. Rajesh Kumar and no response was received from him. From July 2021 to till date, the scholar neither submitted nor presented his six-monthly progress reports and has three consecutively unsatisfactory progress reports.</p> <p>As per research programme guidelines "<i>In case of unsatisfactory progress over a time period of one year and/ or non-submission of timely progress report, the DRC may recommend the cancellation of the PhD registration of the student to the School Board'</i> (as per Clause 9 of IGNOU Guidelines for PhD Programmes approved by the Research Council at its 26<sup>th</sup> Meeting held on 23<sup>rd</sup> January 2019). The Doctoral Committee of Geology had already recommended cancellation of registration of Mr. Rajesh Kumar from PhD (Geology) Programme in its 61<sup>st</sup> meetings held on 25<sup>th</sup> August, 2022.</p> <p>The Minutes of the 61<sup>st</sup> Doctoral Research Committee, 70<sup>th</sup> School Board and correspondence with the scholar were placed before the School Board for its consideration and approval.</p>							
	<b>Decision of SB</b>	<p>The contents of minutes of 70<sup>th</sup> Meeting of the Doctoral Committee in Geology was approved by School Board of School of Sciences.</p> <p>The School Board further recommended the agenda pertaining to the cancellation of registration of scholars to be placed in RCSC/RC for consideration and approval.</p>							
	<b>SB 73.6.3</b>	<b>To consider and approve the list of examiners for evaluation of PhD. Thesis of the scholar Ms. Beena Kouser (Enrol. No. 198570373) enrolled in PhD (Geology) programme</b>	<b>SB 73.6.3</b>						
	<b>Matter for Discussion</b>	<p>The details of Ms. Beena Kouser (Enrol. No. 198570373) enrolled in PhD (Geology) programme are as follows:</p> <table border="1" data-bbox="491 1908 1316 2056"> <tr> <td><b>Name</b></td> <td><b>BEENA KOUSER</b></td> </tr> <tr> <td><b>Enrolment Number</b></td> <td>198570373</td> </tr> <tr> <td><b>Date of</b></td> <td>27.07.2019</td> </tr> </table>	<b>Name</b>	<b>BEENA KOUSER</b>	<b>Enrolment Number</b>	198570373	<b>Date of</b>	27.07.2019	
<b>Name</b>	<b>BEENA KOUSER</b>								
<b>Enrolment Number</b>	198570373								
<b>Date of</b>	27.07.2019								

		<b>Registration</b>	
		<b>Research Topic</b>	Hydrogeological Studies for Groundwater Characterization in the Kathua Region, Jammu and Kashmir
		<b>Name of Supervisor</b>	Dr. Omkar Verma, Discipline of Geology, School of Sciences IGNOU, Maidan Garhi, New Delhi-110068
		<b>Number(s) of Paper published</b>	Beena Kouser, Anjali Bala, Omkar Verma, Manthana Prashanth, Ashu Khosla, Rayees Ahmad Pir (2022). Hydrochemistry for the assessment of groundwater quality in the Kathua region, Jammu and Kashmir, India. Applied Water Science, 12(7), 143.
		<b>Papers presented in conferences</b>	<ol style="list-style-type: none"> <li>1. Presented a paper entitled "Groundwater quality evaluation for drinking and agriculture purposes in the Kathua region, Jammu and Kashmir, India" in international conference on "Advance in Science of the Earth relevance to the Society" held on 24<sup>th</sup> to 26<sup>th</sup> November 2022 at Swami Ramanand Teerth Marathwada University Nanded India (SRTM) India.</li> <li>2. Presented a paper entitled "Assessment of groundwater quality for agriculture purposes in the parts of Kathua region, Jammu and Kashmir, India" through online- mode. 3<sup>rd</sup> International Conference on "Water Raw materials and Energy" held on 5<sup>th</sup> to 7<sup>th</sup> December 2022 in Mineral and Energy Economy Research Institute Polish Academy of Science Poland.</li> </ol>
		<b>Date of Pre-PhD thesis Presentation</b>	24 <sup>th</sup> August, 2023
The list of Examiners for Evaluation of thesis provided in a confidential cover are placed before the School Board			

		for its consideration and approval.	
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Beena Kouser (Enrol. No. 198570373) was read out before the Board members. The School Board of School of Sciences approved the list of examiners.	
	<b>SB 73.6.4</b>	<b>To consider and approve the Minutes of the Expert Committee Meeting to revise the eligibility criteria of M.Sc. (Geoinformatics) programme held on 4<sup>th</sup> August 2023</b>	<b>SB 73.6.4</b>
	<b>Matter for Discussion</b>	<p>A meeting of the Programme Expert Committee was held on 4<sup>th</sup> August 2023 to discuss the current eligibility criteria of the M.Sc. Geoinformatics (MSCGI) programme of the School of Sciences in light of the requests received from prospective candidates from various diverse academic qualifications.</p> <p>Considering the requests of prospective candidates from diverse academic qualifications Programme Expert Committee recommended the following revised eligibility criteria for admission into the M.Sc. Geoinformatics (MSCGI) programme in its meeting held on 4<sup>th</sup> August 2023:</p> <p>“Graduation in Science/ Engineering/ Technology/ Architecture/ Planning/ Computer Application/ Information Technology/ Medical &amp; Allied fields/ Geography/ Mathematics/ Statistics/ Economics/ Commerce/ Anthropology/ Archaeology/ Business Administration/ Management from a recognised University”</p> <p>The Minutes of the expert committee were placed before the School Board for its consideration and approval.</p>	
	<b>Decision of SB</b>	The School Board deliberated on the minutes of the expert committee and the eligibility criteria of M.Sc. (Geoinformatics) programme and then approved it for further consideration and approval of the ACSC/AC.	
	<b>SB 73.6.5</b>	<b>To consider and recommend additional names of Course Writers and Editors of the course MGY-005 Techniques in Remote Sensing and Digital Image Processing of MSC (Geoinformatics) programme</b>	<b>SB 73.6.5</b>
	<b>Matter for Discussion</b>	The course coordinators have proposed the additional names of Course Writers and Editors for the course MGY-005 “Techniques in Remote Sensing and Digital	

		<p>Image Processing” of M.Sc (Geoinformatics) programme as detailed below:</p> <p><b>Course Writers</b></p> <p>1. <b>Prof. B. Sathya Bama</b> Department of Electronics and Communication Engineering Thiagarajar College of Engineering, Madurai, Tamil Nadu E-mail: <a href="mailto:sbece@tce.edu">sbece@tce.edu</a>, Cell: 9843394792</p> <p>2. <b>Dr. Manu Metha</b> Scientist/Engineer-SE, Photogrammetry and Remote Sensing Department Indian Institute of Remote Sensing, Dehradun E-mail: <a href="mailto:manu@iirs.gov.in">manu@iirs.gov.in</a>, Cell: 8881536030</p> <p><b>Course Editors</b></p> <p>1. <b>Prof. B.K. Mohan</b> Centre of Studies in Resources Engineering Indian Institute of Technology Bombay, Powai, Mumbai E-mail: <a href="mailto:bkmohan@csre.iitb.ac.in">bkmohan@csre.iitb.ac.in</a>, Cell: 9820493406</p> <p>2. <b>Prof. OPN Calla</b> Director International Centre for Radio Science Jodhpur, Rajasthan E-mail: <a href="mailto:opnc06@gmail.com">opnc06@gmail.com</a>, Cell: 9414130666</p> <p>The proposal was placed before the School Board of School of Sciences for its consideration and recommendation.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the names of Course Writers and Editors of the courses of M.Sc. (Geoinformatics) Programme and recommended the names for the approval of the competent authority.	
	<b>SB 73.6.6</b>	<b>To consider and approve the Programme Revision Form (PRF) of Post Graduate Certificate in Geoinformatics (PGCGI) programme to make it modular with the PGDGI and MSCGI programmes.</b>	<b>SB 73.6.6.1 SB 73.6.6.2</b>
	<b>Matter for Discussion</b>	The Post Graduate Certificate in Geoinformatics (PGCGI) programme developed by the School of Sciences is on offer since July 2014 admission cycle. The programme has now been upgraded into Post Graduate Diploma (PGDGI) and Masters (MSCGI) levels, and the two newly	

		<p>developed programmes have been on offer from January and July 2023 admission cycles, respectively. Syllabi of the courses of the PGCGI programme forming part of the first semester courses of the PGDGI and MSCGI programmes have been revised and designed considering modularity of the programmes and also in compliance with UGC guidelines w.r.t. the required credit load per semester.</p> <p>While discussing about the agenda to put up a hold on fresh admission in the Post Graduate Certificate in Geoinformatics (PGCGI) programme from July 2023 cycle, the School Board of the School of Sciences in its 72<sup>nd</sup> meeting held on 24<sup>th</sup> May 2023 had suggested to revise the PGCGI programme as per the PGDGI and MSCGI programmes vide SB 72.6.4. With the minor changes the PGCGI programme would now be of 20 credits and modular with the existing PGDGI and MSCGI programmes. extracts of the Minutes of the 72<sup>nd</sup> School Board and Programme Revision Form (PRF) was enclosed.</p> <p>The Programme Revision Form was placed before the School Board for its consideration and approval.</p>	
	<b>Decision of SB</b>	<p>The School Board deliberated on the Programme Revision Form (PRF) of the PGCGI (Postgraduate Certificate in Geoinformatics) programme. The School Board recommended that the evaluation methodology of the courses of PGCGI would be same as approved earlier for the courses under PGDGI programme in the 71<sup>st</sup> School Board of School of Sciences held on 28<sup>th</sup> March 2023 vide SB 71.6.8. The PRF was approved for further consideration and approval of the ACSC/AC.</p>	
	<b>SB 73.6.7</b>	<b>To consider and recommend the additional names of evaluators of Geology courses: BGYCT-131, BGYCT-133, BGYET-141, BGYET-147 of BSCG programme</b>	<b>SB 73.6.7</b>
	<b>Matter for Discussion</b>	<p>The discipline of Geology had proposed the additional names of the evaluators for Geology courses: (Physical and Structural Geology) BGYCT-131, (Crystallography, Mineralogy and Economic Geology) BGYCT-133, (Ore geology and Industrial minerals) BGYET-141 and (Geomorphology and Geotectonics) BGYET-147 of BSCG programme.</p> <p>The names of evaluators was placed before the School Board for its consideration and recommendation</p>	

	<b>Decision of SB</b>	The School Board of School of Sciences considered the names of evaluators for geology courses of BSCG Programme and recommended the names for the approval of the Competent Authority.									
<b>SB 73.7</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Life Sciences.</u></b>										
	<b>SB 73.7.1</b>	<b>To consider and approve the Minutes of the Doctoral Committee Meeting of Life Sciences Discipline held on 22<sup>nd</sup> August, 2023.</b>	<b>SB 73.7.1.1 SB 73.7.1.2</b>								
	<b>Matter for Discussion</b>	<p>The Doctoral Committee Meeting of Ph.D in Life Sciences was held on 22nd August, 2023. Following agenda were discussed and finalised in the Doctoral Committee Meeting.</p> <p>i) Pre-thesis seminar presentation of following two PHDLS students</p> <ul style="list-style-type: none"> <li>• Mr Jawaid Server (Enrl. 188500704)</li> <li>• Ms Abida Samad (Enrl. 188500736)</li> </ul> <p>ii) To review the six-monthly progress of 07 students registered in PhD (Life Sciences) programme as per Minutes of the Discipline Research Committee Meeting. Minutes of the Discipline Research Committee Meeting Doctoral Committee meeting respectively was placed before the School Board of School of Sciences for consideration and approval.</p>									
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of the Minutes of the Doctoral Research Committee of Life Sciences held on 22 <sup>nd</sup> August 2023.									
	<b>SB 73.7.2</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of Ms. N. Veena Rani (En. No. 188500750) registered in the Ph.D. (Life Science) Programme.</b>	<b>SB 73.7.2</b>								
	<b>Matter for Discussion</b>	<p>The details of Ms. N. Veena Rani (En. No. 188500750) enrolled in Ph.D. (Life Science) programme are as follows:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;"><b>Name</b></td> <td><b>N. VEENA RANI</b></td> </tr> <tr> <td><b>Enrolment number</b></td> <td>188500750</td> </tr> <tr> <td><b>Date of registration</b></td> <td>January, 2018</td> </tr> <tr> <td><b>Topic</b></td> <td>"Mapping of Conserved Histidine Residues of Dengue Virus Envelope Protein for Therapeutics".</td> </tr> </table>	<b>Name</b>	<b>N. VEENA RANI</b>	<b>Enrolment number</b>	188500750	<b>Date of registration</b>	January, 2018	<b>Topic</b>	"Mapping of Conserved Histidine Residues of Dengue Virus Envelope Protein for Therapeutics".	
<b>Name</b>	<b>N. VEENA RANI</b>										
<b>Enrolment number</b>	188500750										
<b>Date of registration</b>	January, 2018										
<b>Topic</b>	"Mapping of Conserved Histidine Residues of Dengue Virus Envelope Protein for Therapeutics".										

		<b>Supervisor (Internal/External)</b>	Prof. Neera Kapoor, Professor in Life Sciences, IGNOU Dr. Anuja Krishnan, Department of Molecular Medicine, Jamia Hamdard, Delhi-110062	
		<b>Paper presented in conferences and seminar</b>	1.Paper entitled "Chimeric Dengue E Protein Enhances Secretion of Dengue Viral Like Particles (VLPs)" presented in International Conference on Advances in Biosciences and Biotechnology (ICABB-2021) organized by Department of Biotechnology, Jaypee Institute of Information Technology, Noida from 28 <sup>th</sup> to 30 <sup>th</sup> January, 2021. 2.Paper entitled "Chimeric Dengue E Protein Enhances Viral Like Particle Generation without any Change in Receptro Binding and Fusion Capactiy" presented in International Union of Biochemistry and Molecular Biology (IUBMB) held at Regional Centre for Biotechnology, Faridabad from 15 <sup>th</sup> to 18 <sup>th</sup> November, 2022.	
		<b>No. of Publications</b>	Rani, V., Kapoor, N., Krishnan, A. (2023). Efficient generation and characterization of chimeric dengue viral-like particles. In <i>Biochem Biophys Res Commun.</i> (645:10-17). <a href="http://doi:10.1016/j.bbrc.2023.02.052">http:// doi: 10.1016/j.bbrc.2023.02.052</a>	
		<b>Pre-Thesis Seminar</b>	Tentatively end of September 2023	
		The list of Examiners for Evaluation of thesis provided in a confidential cover was placed before the School Board for its consideration and approval.		
<b>Decision of SB</b>		The list of Examiners for evaluation of thesis of N. Veena Rani (En. No. 188500750) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the		

		Research Unit,IGNOU after the approval of School Board Minutes.	
	<b>SB 73.7.3</b>	<b>To consider and approve the Evaluation Methodology for the M.Sc. (Zoology) Programme</b>	<b>SB 73.7.3.1 SB 73.7.3.2</b>
	<b>Matter for Discussion</b>	<p>The Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Zoology) Programme were approved in the 78<sup>th</sup> meeting of the Academic Council of the Indira Gandhi National Open University on 13<sup>th</sup> June, 2022. The Life Sciences Discipline proposes to launch this Programme in January, 2024 Admission Cycle. The Expert Committee meeting was held on 1<sup>st</sup> September 2023 to discuss the Evaluation Methodology for the M.Sc. (Zoology) Programme.</p> <p>The programme coordinators presented the detailed evaluation methodology of the theory and lab courses of MSc (Zoology) programme along with duration of counselling sessions before the Expert Committee members. After deliberation the Expert Committee approved the evaluation methodology of MSc (Zoology) programme.</p> <p>The Minutes of the Expert Committee meeting of MSc (Zoology) programme was placed the evaluation methodology along with relevant annexures in the required format as before the 73<sup>rd</sup> School Board of School of Sciences for consideration and approval.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the evaluation methodology of the MSc (Zoology) programme	
	<b>SB 73.7.4</b>	<b>To consider and approve the Programme Launch Form of M.Sc. (Zoology) Programme.</b>	<b>SB 73.7.4</b>
	<b>Matter for Discussion</b>	<p>The Programme Proposal Form (PPF) for the M.Sc. (Zoology) Programme was approved in the 68<sup>th</sup> School Board held on 3<sup>rd</sup> December, 2021 and 62<sup>nd</sup> Meeting of the Academic Programme Committee of the Planning Board on 16<sup>th</sup> December, 2021. The Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Zoology) Programme were approved in the 78<sup>th</sup> Meeting of the Academic Council on 13<sup>th</sup> June, 2022.</p> <p>The Life Sciences Discipline proposed to launch the M.Sc. (Zoology) Programme in January, 2024 Admission</p>	

		Cycle. The Programme Launch Form of M.Sc. (Zoology) Programme was placed before the School Board of School of Sciences for its kind consideration and approval.	
	<b>Decision of SB</b>	The School Board deliberated on the Programme Launch Form(PLA) of the M.Sc. (Zoology) programme and then approved it for further consideration and approval of the Academic Programme Committee.	
	<b>SB 73.7.5</b>	<b>To consider and recommend the list of additional course writers for the elective courses of M.Sc. (Zoology) Programme.</b>	<b>SB 73.7.5</b>
	<b>Matter for Discussion</b>	The Life Sciences Discipline is developing the Master's degree programme in Zoology. Two additional course writers for elective courses of 4 <sup>th</sup> Semester of M. Sc. (Zoology) Programme, viz Insect Taxonomy and Morphology (MZOE-004), Insect Physiology and Toxicology (MZOE-005) and Applied Entomology (MZOE-006) were placed before the School Board of the School of Sciences for consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the list of additional of course writers for elective courses of 4 <sup>th</sup> Semester of M. Sc. (Zoology) Programme, viz Insect Taxonomy and Morphology (MZOE-004), Insect Physiology and Toxicology (MZOE-005) and Applied Entomology (MZOE-006) programme and recommended the same for the approval of the Competent Authority	
<b>SB 73.8</b>	<b>To consider and approve agenda Items pertaining to <u>Discipline of Mathematics</u></b>		
	<b>SB 73.8.1</b>	<b>To consider and approve the Minutes of the 5<sup>th</sup> meeting of the Doctoral Research Committee of Mathematics</b>	<b>SB 73.8.1.1 SB 73.8.1.2</b>
	<b>Matter for Discussion</b>	The 5 <sup>th</sup> meeting of the Doctoral Research Committee of Mathematics was held on 25 <sup>th</sup> July, 2023 to review the progress reports of the Ph.D. (Mathematics) research scholars admitted in the July 2021 session. The DRC reviewed the progress reports of four students for the two consecutive periods: July 2022 – December 2022, and January 2023 – June 2023. All the reports were found satisfactory. The Minutes and the progress reports for the above item above were placed before the School Board of School of Sciences for consideration and approval.	

	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of the Minutes of 5 <sup>th</sup> Meeting of the Doctoral Research Committee of Mathematics	
	<b>SB 73.8.2</b>	<b>To consider and recommend the name of course writer for the course MMTE-005 (Coding Theory) of the M.Sc. (MACS) programme.</b>	<b>SB 73.8.2</b>
	<b>Matter for Discussion</b>	<p>The Mathematics Discipline group has proposed the following course writer for MMTE-005 (Coding Theory) of M.Sc. (MACS) Programme.</p> <p><b>Dr. Ritu Moni Sarma</b> Associate Professor Department of Mathematics Indian Institute of Technology Hauz Khas Delhi – 110016 Email: ritumoni@maths.iitd.ac.in</p> <p>The item was placed before the School Board of School of Sciences for consideration and recommendation.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the name of course writer of MMTE-005 (Coding Theory) for M.Sc. (MACS) Programme and recommended the same for the approval of the Competent Authority.	
	<b>SB 73.8.3</b>	<b>To consider and recommend the updated list of paper setters and evaluators for the course MMTE-002 (Design and Analysis of Algorithms) of the M.Sc. (MACS) programme.</b>	<b>SB 73.8.3.1 SB 73.8.3.2</b>
	<b>Matter for Discussion</b>	<p>The discipline of mathematics has proposed the lists of Paper setters and Evaluators for course MMTE-002 (Design and Analysis of Algorithms).</p> <p>The lists of Paper Setters and Evaluators the above-mentioned courses of Mathematics were placed before the School Board of School of Sciences for consideration and recommendation.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the lists of Paper Setters and Evaluators MMTE-002 (Design and Analysis of Algorithms) for M.Sc. (MACS) Programme and recommended the same for the approval of the Competent Authority.	
	<b>SB 73.8.4</b>	<b>To report the approval of the names of examiners for the practical courses MMT-001(P), MMT-007</b>	<b>SB 73.8.4</b>

		<b>(P), MMT-008 (P), MMTE-001(P), MMTE-003 (P), MMTE-004(P), MMTE-005(P), MMTE-006(P) and MMTE-007(P) for the M.Sc. (MACS) programme, at the newly activated centre at RC, Bhopal</b>	
	<b>Matter for Discussion</b>	<p>Mathematics discipline group received the proposal of the names of the practical examiners for the conduct of the term-end practical examinations of various courses of M.Sc. (MACS) which were scheduled to be held on 15th July, 2023 at the newly activated centre in RC, Bhopal. The programme coordinators of M.Sc. (MACS) received the proposal of following practical examiners from RC, Bhopal on 12th July 2023.</p> <p>1. Prof. R.K Pateriya Department of Computer Science Maulana Azad National Institute of Technology Bhopal Email: pateriyark@gmail.com Mob: 09425027381</p> <p>2. Dr. Deepak Singh Tomar Associate Professor Department of Computer Science Maulana Azad National Institute of Technology Bhopal Email: deepaktomar@manit.ac.in Mob: 09827225851</p> <p>In view of the paucity of time the approval of these names was sought from the Competent Authority. This matter is hereby reported to the School Board of School of Sciences.</p>	
	<b>Decision of SB</b>	The matter was reported to the School Board	
<b>SB 73.9</b>	<b>To consider and approve agenda Item pertaining to the <u>Discipline of Physics.</u></b>		
	<b>SB 73.9.1</b>	<b>To consider and recommend the list of additional course writers for the 3<sup>rd</sup> Semester courses: 'Optics' and 'Condensed matter Physics' of the M.Sc. (Physics) Programme</b>	<b>SB 73.9.1</b>
	<b>Matter for Discussion</b>	The PDF and PPR for the M.Sc. (Physics) Programme were approved in the 77 <sup>th</sup> meeting of the Academic Council on December 28, 2021. Thereafter the Programme launch Form (PLF) was approved in the 67 <sup>th</sup>	

		<p>meeting of the Academic Programme Committee held on June 1, 2023 and the programme is now on offer from the July, 2023 admission cycle.</p> <p>Course writers have earlier been approved for the M. Sc. (Physics) programme in the 68<sup>th</sup>, 70<sup>th</sup>, 71<sup>st</sup> and 72<sup>nd</sup> Meetings of the School Board of School of Sciences. However, some course writers have conveyed their inability to complete the course writing work in a time-bound fashion. Hence the names of additional course writers for two courses of the M.Sc. (Physics) Programme were placed before the School Board for its kind consideration and recommendation:</p> <p><b>Course Title: Optics (Semester 3)</b></p> <p>1. Prof. Vipul Rastogi        Dept. of Physics, IIT, Roorkee        Uttarakhand – 247667        Mobile: 989704560        Email: vipul.rastogi@ph.iitr.ac.in</p> <p><b>Course Title: Condensed matter Physics (Semester 3)</b></p> <p>1. Dr. Pandian Senthil Kumar        Associate Professor        Department of Physics and Astrophysics,        University of Delhi, Delhi        Mobile: 9717623716        Email: pskumardu@gmail.com</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the names of additional course writers for two courses of the M.Sc. (Physics) Programme and recommended the same for the approval of the Competent Authority.	
	<b>SB 73.9.2</b>	<b>To consider and recommend the name of additional Editor for the 3<sup>rd</sup> Semester course 'Condensed matter Physics' of M.Sc. (Physics) Programme.</b>	<b>SB 73.9.2</b>

	<b>Matter for Discussion</b>	<p>The PDF and PPR for the M.Sc. (Physics) Programme were approved in the 77<sup>th</sup> meeting of the Academic Council on December 28, 2021. The Programme launch Form (PLF) was approved in the 67<sup>th</sup> meeting of the Academic Programme Committee held on June 1, 2023 and the programme is now on offer from the July, 2023 admission cycle. The name of the Editor for the following course of the M.Sc. (Physics) Programme is placed before the School Board for its kind consideration and recommendation:</p> <p><b>Course Title: Condensed matter Physics (Semester 3)</b>          Prof. S. Annapoorni          Department of Physics and Astrophysics,          University of Delhi, Delhi.          Mobile:9871521718          Email: annapoornis.phys@gmail.com</p>	
	<b>Decision of SB</b>	<p>The School Board of School of Sciences considered the name of editor for the course Condensed matter Physics of the M.Sc. (Physics) Programme and recommended the same for the approval of the Competent Authority.</p>	
<b>SB 73.10</b>	<b>To consider and approve agenda Item pertaining to the Discipline of Statistics.</b>		
	<b>SB 73.10.1</b>	<p><b>To consider and recommend the consolidated lists of Members of Moderation Board for all courses of Pre-Ph.D. course work: Research Methodology in Statistics (RST-001), Computer Applications in Research (RST-002), Advanced Sample Surveys (RST-003), Advances in Statistics (RST-004), Statistical Inference in Life Testing (RST-005) and Reliability Theory and Modelling (RST-006) and Entrance exam of PhD (Statistics) -PHDSTAT programme.</b></p>	<b>SB 73.10.1</b>
	<b>Matter for Discussion</b>	<p>Discipline of Statistics has proposed the consolidated list of Members of Moderation Board for all the courses of Pre-Ph.D. Course work: Research Methodology in Statistics (RST-001), Computer Applications in Research (RST-002), Advanced Sample Surveys (RST-003), Advances in Statistics (RST-004), Statistical Inference in Life Testing (RST-005) and Reliability Theory and Modelling (RST-006) and Entrance exam of PHDSTAT programme.</p>	

		The consolidated list of Members of Moderation Boards for all courses of Pre-Ph.D. course work and Entrance exam and of PHDSTAT programme were placed before the School Board for its kind consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the consolidated lists of Members of Moderation Boards for all courses of Pre-Ph.D. course work and Entrance exam and of PHDSTAT programme and recommended the same for the approval of the Competent Authority.	
	<b>SB 73.10.2</b>	<b>To consider and recommend the consolidated list of Experts for Doctoral Committee of Ph.D. in Statistics.</b>	<b>SB 73.10.2</b>
	<b>Matter for Discussion</b>	The discipline of Statistics proposed the new panel of Experts for Doctoral Committee of Ph.D. (Statistics) programme. The proposed new panel was placed before the 73 <sup>rd</sup> School Board of School of Sciences for consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the new panel of Experts for Doctoral Committee of Ph.D. (Statistics) PHDSTAT programme and recommended the same for the approval of the Competent Authority.	
	<b>SB 73.10.3</b>	<b>To consider and approve the Minutes of the 26<sup>th</sup> Doctoral Committee meeting in Statistics of held on August 10, 2023</b>	<b>SB 73.10.3</b>
	<b>Matter for Discussion</b>	26 <sup>th</sup> meeting of the Doctoral Committee in Statistics was held on August 10, 2023 to review six- month progress reports of research scholars registered in the Ph.D. in Statistics programme in July 2020 cycle. The agenda of the meeting was: i) to review six-month progress reports of 06 research scholars, ii) to approve the minor change in research title of Mr. Anant Patel (Enrollment No. 202493506) iii) to recommend the cancellation of the registration of 3 candidates registered in July 2020 cycle in Ph.D. in Statistics programme. The Minutes of the 26 <sup>th</sup> Doctoral Committee meeting of Statistics discipline was placed before the School Board	

		of School of Sciences for consideration and approval.	
	<b>Decision of SB</b>	The School Board approved the contents of the 26 <sup>th</sup> Doctoral Committee meeting of Statistics discipline. The School Board further recommended the agenda items pertaining to the cancellation of registration of scholars and minor change in thesis title to be placed in RCSC/RC for consideration and approval.	
	<b>SB 73.10.4</b>	<b>To consider and approve the Minutes of the 4<sup>th</sup> Programme Expert Committee meeting held to discuss and revise the eligibility criteria of admission in M.Sc. (Applied Statistics) programme on August 10, 2023.</b>	<b>SB 73.10.4</b>
	<b>Matter for Discussion</b>	<p>The 4<sup>th</sup> Programme Expert Committee meeting of M.Sc. (Applied Statistics) (MSCAST) programme held on August 10, 2023 to revise the eligibility criteria of admission in the M.Sc. (Applied Statistics) (MSCAST) programme.</p> <p>The programme coordinators of the M.Sc. (Applied Statistics) informed the Expert committee that a number of prospective candidates are unable take admission in M.Sc. (Applied Statistics) programme due to the current eligibility criteria of the programme which is:  "Graduate with B.A./B.Sc. degree with Statistics/ Mathematics as one of the subjects from any recognised University/Institution/Organisation"</p> <p>The Expert Committee recommended that the eligibility criteria of the M.Sc. (Applied Statistics) programme should be revised as:</p> <p>"Graduate from any recognised University/ Institution/ Organisation with Mathematics/ Statistics as one of the subjects/ papers and 10+2 with Mathematics/Statistics".</p> <p>Or</p> <p>"Graduate from any recognised University/ Institution/ Organisation with PG Diploma in Statistics/ Applied Statistics/ Data Science/ Data Analytics".</p> <p>The Minutes of the 4<sup>th</sup> Programme Expert Committee meeting of M.Sc. (Applied Statistics) (MSCAST) for consideration and recommendation of the School Board</p>	

		of School of Sciences.	
	<b>Decision of SB</b>	The School Board deliberated on the minutes of the expert committee and the eligibility criteria of M.Sc. (Applied Statistics) programme and then approved it for further consideration and approval of the ACSC/AC.	
	<b>SB 73.10.5</b>	<b>To consider and approve the consolidated list of Experts for the Expert Committee of M.Sc. (Applied Statistics).</b>	<b>SB 73.10.5</b>
	<b>Matter for Discussion</b>	The discipline of Statistics proposed the consolidated list of Experts for the Expert Committee of M.Sc. (Applied Statistics) programme. The proposed consolidated list of experts was placed before the Board of School of Sciences for its consideration and approval.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the consolidated list of Experts for the Expert Committee of M.Sc. (Applied Statistics) programme and recommended the same for the approval of the Competent Authority.	
	<b>SB 73.10.6</b>	<b>To consider and recommend the additional names of Course Writers and Editors of two theory courses: MST-018: Multivariate Analysis and MST-023: Research Methodology of M.Sc. (Applied Statistics) programme.</b>	<b>SB 73.10.6.1 SB 73.10.6.2</b>
	<b>Matter for Discussion</b>	The discipline of Statistics proposed the additional names of the Course Writers and Editors of two theory courses: MST-018: Multivariate Analysis and MST-023: Research Methodology of M.Sc. (Applied Statistics) programme. The additional names of Course Writers and Editors of two theory courses was placed before the 73 <sup>rd</sup> School Board of School of Sciences for its consideration and approval.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the additional names of the Course Writers and Editors of two theory courses: MST-018: Multivariate Analysis and MST-023: Research Methodology of M.Sc. (Applied Statistics) programme and recommended the same for the approval of the Competent Authority.	
	<b>SB 73.10.7</b>	<b>To consider and recommend the consolidated list</b>	<b>SB</b>

		<b>of the Members of Moderation Board for all courses of PGDAST programme</b>	<b>73.10.7</b>
	<b>Matter for Discussion</b>	<p>The consolidated list of the Members of Moderation Boards for the courses: MST-001 (Foundation of Mathematics and Statistics), MST-002 (Descriptive Statistics), MST-003 (Probability Theory), MST-004 (Statistical Inference), MST-005 (Statistical Techniques), MSTE-001 (Industrial Statistics-I), MSTE-002 (Industrial Statistics-II), MSTE-003 (Biostatistics-I), MSTE-004 (Biostatistics-II), MSTL-001(Basic Statistics Lab ), MSTL-002 (Industrial Statistics Lab) and MSTL-003 (Biostatistics Lab) of PGDAST programme proposed by discipline of Statistics.</p> <p>The consolidated lists of Members of the Moderation Boards for all the courses of PGDAST programme was placed before the School Board of School of Sciences for consideration and recommendation.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the consolidated lists of Members of the Moderation Boards for all the courses of PGDAST programme and recommended the same for the approval of the Competent Authority.	
	<b>SB 73.10.8</b>	<b>To consider and recommend the names of Paper Setters, Evaluators and Members of Moderation Board for the theory and lab courses of Semester-I and Semester-II of MSc (Applied Statistics) programme (MCAST)</b>	<b>SB 73.10.8.1 SB 73.10.8.2 SB 73.10.8.3</b>
	<b>Matter for Discussion</b>	<p>M.Sc. (Applied Statistics) programme has been launched from July 2023 admission cycle. Statistics discipline has proposed the names of paper setters, Members of Moderation Board and evaluators for 1<sup>st</sup> and 2<sup>nd</sup> Semester courses of MSc (Applied Statistics) programme: Real Analysis, Calculus and Geometry (MST-011), Probability and Probability Distributions (MST-012), Survey Sampling and Design of Experiments-I (MST-013), Statistical Quality Control and Time Series Analysis (MST-014), Introduction to R Software (MST-015) and Statistical Computing using R-I (MSTL-011) of Semester-I and Statistical Inference (MST-016), Applied Regression Analysis (MST-017), Multivariate Analysis (MST-018), Epidemiology and Clinical Trials (MST-019), Statistical Computing using R-II (MSTL-012) of Semester-II of MCAST programme.</p> <p>The lists of paper setters, Members of Moderation Board</p>	

		and evaluators for semester I and II courses of M.Sc. (Applied Statistics) programme was placed before the School Board of School of Sciences for consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the lists of paper setters, Members of Moderation Board and evaluators for semester I and II courses of M.Sc. (Applied Statistics) programme and recommended the same for the approval of the Competent Authority.	
<b>SB 73.11</b>	<b>To consider and recommend agenda Item pertaining to the PGDSED and ACE.</b>		
	<b>SB 73.11.1</b>	<b>To consider and recommend the consolidated list of Members of Moderation Board for the courses 'Understanding the Environment' (MED-001), 'Energy and Environment' (MED003) and 'Integrated Environmental Management: Urban and Rural' (MED-005) of the PGDSED programme</b>	<b>SB 73.11.1.1 SB 73.11.1.2 SB 73.11.1.3</b>
	<b>Matter for Discussion</b>	The programme coordinators of PGDSED programme have proposed the consolidated lists of Members of Moderation Board for the courses 'Understanding the Environment' (MED-001), 'Energy and Environment' (MED003) and 'Integrated Environmental Management: Urban and Rural' (MED-005) of the PGDSED programme. The consolidated lists of MED-001, MED003 and MED-005 of the PGDSED programme at was placed before the School Board of School of Sciences for consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the consolidated lists of MED-001, MED003 and MED-005 of the PGDSED programme and recommended the same for the approval of the Competent Authority.	
	<b>SB 73.11.2</b>	<b>To consider and approve issuance of Certificate of Participation (in digital mode) to the International Learners by Student Evaluation Division (SED)</b>	<b>SB 73.11.2</b>
	<b>Matter for Discussion</b>	The Appreciation Course on Environment (ACE) is a social responsibility initiative of IGNOU. It has been developed by the School of Sciences in collaboration with the Ministry of Environment, Forests and Climate Change (MOEFCC), Government of India to disseminate information on national and international environmental issues, create environmental consciousness among	

		<p>people and facilitate development of environmental leadership. This non-credit awareness programme is on offer from January 2006 admission cycle.</p> <p>There are two modes for completion of ACE. The Awareness Mode gives the learners flexibility to study the self-learning materials (SLMs) and perform the activities suggested therein at their own convenience. There is no formal assessment for this mode. For the Certification Mode, learners must successfully complete a Project Work besides studying the self-learning materials (SLMs) for earning a Certificate of Participation. For this, learners need to complete their project work after approval of the topic, submit their project report in time and successfully present in the Project Assessment Workshop.</p> <p>The Certificate of Participation is issued by the concerned Regional Centres (in the prescribed format) to those learners who successfully complete their project work. Now, the University is offering this programme to the international learners also. It is proposed that the Certificate of Participation (in digital mode) be issued by the Student Evaluation Division (SED) to the international learners who successfully complete their project work.</p> <p>The proposal was placed before the School Board of the School of Sciences for its consideration and approval.</p>	
	<b>Decision of SB</b>	The School Board had a detailed deliberation on the agenda. This agenda was differed due to the lack in procedural clarity.	

The meeting ended with thanks to the Chair.



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 Chairperson**