

The meeting of School Board of School of Sciences was held on 2<sup>nd</sup> November 2022 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. Neeta Sahgal		External Member
4.	Prof. V.K. Singh		External Member
5.	Prof. Kaushal Kumar Sharma		External Member
6.	Dr. Sunita Joshi		External Member
7.	Prof. Sutapa Bose	--	Member (Other School)
8.	Dr. Mansi Sharma	--	Member (Other School)
9.	Prof. Vijayshri	--	Member
10.	Prof. Sunita Malhotra	--	Member
11.	Prof. Sujatha Varma	--	Member
12.	Prof. Bharat Inder Fozdar	--	Member
13.	Prof. S.R. Jha	--	Member
14.	Prof. Sanjiv Kumar	--	Member
15.	Prof. M.S. Nathawat	--	Member
16.	Prof. Lalita S. Kumar	--	Member
17.	Prof. Shubha Gokhale	--	Member
18.	Prof. Kamalika Banerjee	--	Member
19.	Prof. Sanjay Gupta	--	Member
20.	Prof. Subhakant Mohapatra	--	Member
21.	Prof. Benidhar Deshmukh	--	Member
22.	Prof. Manish Trivedi	--	Member
23.	Prof. Deepika	--	Member
24.	Prof. Vijay Kumar Baraik	--	Member
25.	Prof. R. Baskar	--	Member
26.	Prof. Parvesh Bubber	--	Member
27.	Dr. Shubhalakshmi Lamba	--	Member
28.	Dr. Kakoli Gogoi	--	Member
29.	Dr. Rajesh Kaliraman	--	Member
30.	Dr. Siya Ram	--	Special Invitee (Life Sciences, SOS)

Prof. Neera Kapoor, School of Sciences and Prof. Neeti Agrawal, School of Management Studies, IGNOU and Prof. S. Vijayasekhar Reddy, School of Social Sciences, IGNOU 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 experts under Clause 2 (e) of the Statute 10 A, Prof. Ashok Kumar Mishra, IIT Madras, Prof. Neeta Sahgal, University of Delhi, Prof. V.K. Singh, Retired from BHU, Varanasi, Prof. Kaushal Kumar Sharma, JNU, Delhi and Dr. Sunita Joshi, Daulat Ram College, Delhi University. She further welcomed the faculty members of IGNOU, namely, Prof. Sutapa Bose, SOE, Dr. Mansi Sharma, SOL, nominated under Clause 2 (d) of the Statute 10 A.

The Chairperson informed the members about the progress made by the School of Sciences since the last School Board meeting held on 05<sup>th</sup> April 2022. She shared that School of Sciences had successfully accomplished the development of self-learning materials of BSc (General) programme, both in English and Hindi of various courses from 7 disciplines namely Chemistry, Botany, Geography, Geology, Mathematics, Physics and Zoology. Members were apprised of the progress in the course

development work of BSc (Hons.) Biochemistry Programme. The Chairperson shared the information regarding the printing of the course material pertaining to these programmes. Further she informed members that the programme proposal, curriculum structure and syllabi of the MSc programmes in Geography, Geoinformatics, Physics, Chemistry, Statistics and Zoology had been approved by the statutory bodies and were expected to be launched in 2023-2024. Further she also informed that the School had initiated monthly webinars for IGNOU Learners.

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

<b>AGENDA NO.</b>	<b>SUB-AGENDA NO.</b>	<b>AGENDA</b>	<b>ANNEXURE</b>
<b>SB 70.1</b>	<b>To confirm the Minutes of 69<sup>th</sup> Meeting of School Board of School of Sciences held on 5<sup>th</sup> April 2022 and to note the action taken thereon.</b>		<b>SB 70.1.1 &amp; SB 70.1.2</b>
	<b>Matter for Discussion</b>	The Chairperson informed the Board that the Minutes of 68 <sup>th</sup> Meeting of School Board of School of Sciences held on 3 <sup>rd</sup> December 2021 were circulated to all the members 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 69 <sup>th</sup> School Board Meeting and also took note of the Action Taken Report.	
<b>SB 70.2</b>	<b>Matters arising out of the Minutes of 69<sup>th</sup> meeting of the School Board.</b>		<b>SB 70.2.1</b>
	<b>Matter for Discussion</b>	Matters arising from the Minutes.	
	<b>Decision of SB</b>	No matter was reported.	
<b>SB 70.3</b>	<b>To consider and approve Minutes of 32<sup>nd</sup> Meeting of Standing Committee of School Board of School of Sciences held on 07<sup>th</sup> September 2022.</b>		<b>SB 70.3.1</b>
	<b>Matter for Discussion</b>	The Minutes of the 32 <sup>nd</sup> meeting of the School Board Standing Committee of the School of Sciences held on 07 <sup>th</sup> September, 2022 were placed along with the relevant papers for consideration and approval of the School Board.	
	<b>Decision of SB</b>	The School Board approved the Minutes of the 32 <sup>nd</sup> meeting of the School Board Standing Committee of the School of Sciences held on 07 <sup>th</sup> September, 2022.	
<b>SB 70.4</b>	<b>To report the decision of the 57<sup>th</sup> Academic Council's Standing Committee Meeting held on 26<sup>th</sup> June 2022 regarding Programme Development Form (PDF) and Programme Project Report (PPR) of M.Sc. programmes of the School of Sciences.</b>		<b>SB 70.4</b>
	<b>Matter for Discussion</b>	The Programme Development Forms (PDF) of M.Sc. (Chemistry), M.Sc. (Geography), M.Sc. (Geoinformatics), M.Sc. (Zoology) and M.Sc. (Applied Statistics) were approved in the 57 <sup>th</sup> ACSC held on 09 <sup>th</sup> June 2022 vide ACSC 57.17.1, ACSC 57.18.1, ACSC 57.19.1, ACSC 57.20.1, ACSC 57.23.1. The Minutes of ACSC were further confirmed in the 78 <sup>th</sup> Academic Council meeting held on 13 <sup>th</sup> June, 2022 with the following modifications/ recommendations: 1. There should be 'passing marks' in bachelor's degree in place of proposed "55 percent or 50 percent marks" for admission into programme as per the policy of other PG degree level programmes of the University. 2. The learner support centres may be opened as per requirement of	

		<p>the programme and not restricted to only 25.</p> <p>3. The number of students per Learner Support Centre may be as per the University policy and resources available at the LSC and not limited to proposed maximum 40 students per centre.</p> <p>4. The programme would be offered in both the admission cycles, i.e. January and July cycles.</p> <p>5. The admission would be conducted by the SRD like any other PG Degree programmes and pre-verification by School before confirmation of admission, if any, would not be required.</p> <p>6. It was also decided that the aforementioned modifications/recommendations would also be applicable to other PG degree programmes which are already approved/or on offer of the School of Sciences.</p> <p>The matter was placed for reporting to the School Board.</p>	
	<b>Decision of SB</b>	The matter was reported to the School Board.	
<b>SB 70.5</b>	<b>To consider and approve Learning Outcome based Curriculum Framework (LOCF) of MSC (MACS), BSCBCH and BSCG programmes.</b>		<b>SB 70.5.1 SB 70.5.2 SB 70.5.3</b>
	<b>Matter for Discussion</b>	<p>On the request of CIQA, the School of Sciences developed Learning Outcome based Curriculum Framework (LOCF) for M.Sc. in Mathematics with Applications in Computer Science [MSC (MACS)], B.Sc. (Hons.) Biochemistry (BSCBCH) and B.Sc. (General) (BSCG) programmes. These forms have to be submitted to NAAC in 2022, for fulfilling the requirements of QLM 1.1.1 for the AQAR.</p> <p>The LOCF of BSCG, BSCBCH and MSC (MACS) programmes were placed for the consideration and approval of the School Board of School of Sciences.</p>	
	<b>Decision of SB</b>	After detailed deliberations, members suggested the need for further improvement of the LOCFs. Prof. Sutapa Bose was requested to provide necessary expertise. Considering its urgency, the Board also agreed to approve this matter by circulation.	
<b>SB 70.6</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Biochemistry</u>.</b>		
	<b>SB 70.6.1</b>	<b>To consider and recommend the names of Members of Moderation Board for the courses of B.Sc. (Hons) Biochemistry (BSCBCH) Programme - Metabolism of carbohydrates and Lipids (BBCCT-109), Biochemistry and Function BBCCT-119, Concepts in Genetics (BBCCT-121), Gene Expression and Regulation (BBCCT-123), Genetic Engineering and Biotechnology (BBCCT-125), Immunology (BBCCT-127), BBCET-141 (Nutritional Biochemistry), BBCET-151 (Plant Biochemistry) and BBCS-185 (Bioinformatics).</b>	<b>SB 70.6.1.1 to SB 70.6.1.9</b>
	<b>Matter for Discussion</b>	B.Sc. (Hons) Biochemistry Programme is on offer from July 2020 cycle. The discipline of Biochemistry submitted the names of the Members of Moderation Board for courses of B.Sc. (Hons) Biochemistry Programme, namely, - Metabolism of Carbohydrates and Lipids (BBCCT-109), Biochemistry and Function (BBCCT-119), Concepts in Genetics (BBCCT-121), Gene Expression and Regulation (BBCCT-123), Genetic Engineering and Biotechnology (BBCCT-125), Immunology (BBCCT-127), BBCET-141 (Nutritional Biochemistry), BBCET-151 (Plant Biochemistry) and BBCS-185 (Bioinformatics). The list of members of Moderation Board for B.Sc. (Honours) Biochemistry Programme were placed before the School Board for its	

		consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the names of the members of Moderation Board for these courses of B.Sc. (Hons) Biochemistry Programme for the approval of the competent authority.	
	<b>SB 70.6.2</b>	<b>To consider and approve the Minutes of the Expert Committee meeting held on 29<sup>th</sup> and 30<sup>th</sup> August 2022 to design the overall programme structure and broad syllabi of M.Sc. (Biochemistry) Programme.</b>	<b>SB 70.6.2</b>
	<b>Matter for Discussion</b>	The Biochemistry Discipline is in the process developing the M.Sc. (Biochemistry) Programme. The Programme Proposal Form (PPF) was approved in the 69 <sup>th</sup> meeting of the School Board of the School of Sciences and 64 <sup>th</sup> Meeting of the Academic Programme Committee (APC) of the Planning Board held on 9th June 2022 vide Item APC 64.5. Subsequently, a meeting of the Expert Committee was held on 29 <sup>th</sup> and 30 <sup>th</sup> August 2022 to design the overall programme structure and broad syllabi of the M.Sc. (Biochemistry) Programme. The minutes of the Expert committee, Programme structure and broad syllabi for M.Sc. (Biochemistry) Programme were placed before the School Board for its consideration and approval.	
	<b>Decision of SB</b>	The School Board members had detailed deliberations on the minutes of the Expert committee meeting held to design the overall programme structure and broad syllabi of the M.Sc. (Biochemistry) Programme on 29 <sup>th</sup> and 30 <sup>th</sup> August 2022. The Board members felt that until such time the University had clear guidelines regarding the use of MOOCs in various programmes, any of the following options may be resorted to: either the word MOOCs be dropped from respective courses and complete syllabi be given since those were available; or the electives listed as MOOCs may be offered later when clear University guidelines come into force. On the question of eligibility, the Board were of the view that the Vocational students/stream be dropped. The School Board also advised that the views of the External Expert from Biochemistry may be incorporated in the syllabi after due discussions. With these observations, the School Board approved the Minutes of the Expert Committee Meeting.	
	<b>SB 70.6.3</b>	<b>To consider and approve the Programme Development Form (PDF) and Programme Project Report (PPR) for M.Sc. (Biochemistry) Programme.</b>	<b>SB 70.6.3</b>
	<b>Matter for Discussion</b>	The Biochemistry Discipline Group is in the process of developing M.Sc. programme in Biochemistry. The Programme Proposal Form (PPF) for the M.Sc. (Biochemistry) Programme was approved in the 69 <sup>th</sup> Meeting of the School Board of the School of Sciences held on 5 <sup>th</sup> April, 2022 and the 64 <sup>th</sup> Meeting of the Academic Programmes Committee (APC) of the Planning Board held on June 9 <sup>th</sup> , 2022. The Programme Development Form (PDF) and Programme Project Report (PPR) for M.Sc. (Biochemistry) Programme were placed before the School Board for its consideration and approval.	
	<b>Decision of SB</b>	The Programme Development Form (PDF) and Programme Project Report (PPR) for M.Sc. (Biochemistry) Programme were revised in the light of comments in the Decision of SB 70.6.2. The School Board approved the PDF and PPR for further consideration and approval of the Academic Council.	

	<b>SB 70.6.4</b>	<b>To consider and approve the Minutes of 26<sup>th</sup> Meeting of Doctoral Research Committee in Biochemistry held on September 15, 2022.</b>	<b>SB 70.6.4</b>
	<b>Matter for Discussion</b>	<p>The 26<sup>th</sup> Meeting of Doctoral Research Committee in Biochemistry was conducted on September 15, 2022 considering the following items:</p> <ol style="list-style-type: none"> <li>To consider and recommend the progress reports for the period January to June 2022 of eight research scholars.</li> <li>To consider and recommend cancellation of provisional admission of Research Scholars – Sapna Rani (Enrol. No. 202492679) and Deshraj Deepak Kapoor (Enrol.No. 202493925) registered in PHDBC.</li> <li>To consider the request of Ph.D. Scholar, Ms. Asmita Bharti (Enrol. No. 188500363) for Maternity leave.</li> <li>To consider and forward the research proposals to the Institutional Ethical Committee of IGNOU for approval and issue of Ethical Clearance certificate</li> </ol> <p>The minutes of the Doctoral Research Committee were placed before the School Board for its consideration and approval.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the Minutes of 26 <sup>th</sup> Meeting of the Doctoral Research Committee of Biochemistry held on September 15, 2022. After deliberation, the School Board recommended the cancellation of provisional admission of both the research scholars.	
	<b>SB 70.6.5</b>	<b>To consider and recommend the list of paper setters and Members of Moderation board for Foundation Course in Science and Technology (FST-01).</b>	<b>SB 70.6.5.1 &amp; SB 70.6.5.2</b>
	<b>Matter for Discussion</b>	The Faculty of Biochemistry Discipline, Dr. M. Abdul Kareem and Dr. Maneesha Pandey are coordinating the course FST-01 since January, 2020. The course coordinators have proposed the list of the paper setters and members of Moderation board for Foundation Course in Science and Technology (FST-01). The list of the paper setters and members of Moderation board were placed before the School Board for its consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the lists of paper setters and Members of Moderation board for Foundation Course in Science and Technology (FST-01) and recommended the lists for the approval of the competent authority.	
<b>SB 70.7</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Chemistry</u>.</b>		
	<b>SB 70.7.1</b>	<b>To consider and approve the Minutes of 67<sup>th</sup> Doctoral Research Committee Meeting of Chemistry Discipline held on 16<sup>th</sup> September 2022.</b>	<b>SB 70.7.1</b>
	<b>Matter for Discussion</b>	The 67 <sup>th</sup> Doctoral Research Committee Meeting of the Chemistry Discipline was held on 16 <sup>th</sup> September 2022 at to assess the Six-Monthly Progress Reports (Jan 2022-June 2022) of three Research Scholars.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of the Minutes of 67 <sup>th</sup> Meeting of the Doctoral Research Committee of Chemistry held on 16 <sup>th</sup> September 2022.	
	<b>SB 70.7.2</b>	<b>To consider and recommend the names of the internal faculty members of the Chemistry Discipline as course writers for the M. Sc. (Chemistry) Programme.</b>	



	<b>Matter for Discussion</b>	The PDF and PPR for the M.Sc. (Chemistry) Programme were approved in the 78 <sup>th</sup> meeting of the Academic Council of the Indira Gandhi National Open University on June 13, 2022. The Chemistry faculty is currently in the process of developing the programme. The following list of internal faculty members of the Chemistry Discipline was placed before the School Board for its consideration and recommendation as course writers for the M.Sc. (Chemistry) Programme: 1. Prof. Sunita Malhotra 2. Prof. Bharat I. Fozdar 3. Prof. Sanjiv Kumar 4. Prof. Lalita S. Kumar 5. Prof. Kamalika Banerjee	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the lists of internal faculty members of the Chemistry Discipline as course writers for the M.Sc. (Chemistry) Programme for the approval of the competent authority.	
<b>SB 70.8</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Geography</u>.</b>		
	<b>SB 70.8.1</b>	<b>To consider and recommend the additional lists of Course Writers and Editors for the courses "Regional Geography of India (MGG-003)", "Environmental Geography (MGG-007)", and "Economic Geography (MGG-06)" of M.Sc. Programme in Geography.</b>	<b>SB 70.8.1</b>
	<b>Matter for Discussion</b>	The additional list of Course Writers for the courses "Regional Geography of India (MGG-003)", "Environmental Geography (MGG-007)", and "Economic Geography (MGG-06)" of M.Sc. (Geography) Programme 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 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 70.8.2</b>	<b>To consider and approve the Minutes of the Course Design Expert Committee Meeting of the courses titled 'Geographical Information System (GIS) (MGG-011, 04 credits)' &amp; 'Geospatial Analysis (MGGL-03, 04 credits)' of Semester III and 'Introduction to Remote Sensing (MGG-012, 04 credits)' &amp; 'Remote Sensing Techniques (MGGL-005, 04 credits)' of semester IV of M.Sc. (Geography Programme) held on May 31, 2022.</b>	<b>SB 70.8.2</b>
	<b>Matter for Discussion</b>	The Course Design Expert Committee Meeting for the courses titled 'Geographical Information System (GIS) (MGG-011, 04 credits)' & 'Geospatial Analysis (MGGL-03, 04 credits)' of semester III and 'Introduction to Remote Sensing (MGG-012, 04 credits)' & 'Remote Sensing Techniques (MGGL-005, 04 credits)' of semester IV of M.Sc. (Geography) Programme was held on May 31, 2022. The Committee deliberated on the syllabi and finalized the unitized syllabi of the courses. The Minutes of the Course Design Expert Committee Meeting were placed before the School Board of the School of Sciences for consideration and approval.	
	<b>Decision of SB</b>	The School Board members deliberated on the syllabi of the courses and approved the minutes of the Course Design Expert Committee	

		Meeting and the syllabi of the courses for further consideration and approval of the Academic Council.															
	<b>SB 70.8.3</b>	<b>To consider and approve the Minutes of the 63<sup>rd</sup> Doctoral Research Committee of Geography Discipline held on 12<sup>th</sup> September 2022.</b>	<b>SB 70.8.3</b>														
	<b>Matter for Discussion</b>	<p>The 63<sup>rd</sup> meeting of the Doctoral Research Committee of Geography Discipline held on September 12, 2022 with following agenda item.</p> <p>1. Allotment of Research Topics and Research Supervisors of 05 Ph.D. research scholars enrolled in July, 2020 Admission Cycle.</p> <p>The Minutes of the Doctoral Research Committee Meeting were placed before the School Board of 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 Minutes of the 63 <sup>rd</sup> Meeting of the Doctoral Research Committee of Geography Discipline held on 16 <sup>th</sup> February, 2022.															
	<b>SB 70.8.4</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of Mr. Karma Loday Tamang (Enrolment No. 79342366, July 2017 cycle), PhD research scholar, Discipline of Geography.</b>	<b>Confidential Cover</b>														
	<b>Matter for Discussion</b>	<p>The details of Mr. Karma Loday Tamang (Enrolment No. 179342366) enrolled in Ph.D (Geography) programme are as follows:</p> <table><tr><td><b>Name</b></td><td>Mr. Karma Loday Tamang (July, 2017 cycle)</td></tr><tr><td><b>Enrolment Number</b></td><td>179342366</td></tr><tr><td><b>Date of Registration</b></td><td>30/12/2017</td></tr><tr><td><b>Research Topic</b></td><td>Development and Livelihood Security with reference to River Teesta Hydro-Electric Power Projects in Sikkim”</td></tr><tr><td><b>Name(s) of Supervisor (s)</b></td><td>Prof. Subhakanta Mohapatra Discipline of Geography School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068</td></tr><tr><td><b>Number(s) of Paper Publication and Details</b></td><td>1) Paper title “Teesta Hydro-Electricity Projects and Livelihood Security in the Sikkim Himalaya: Issues and Challenges” in Integrated Journal for Research in Arts and Humanities for Issue May 2022, Volume-2, Issue-3, Page number-48-54, ISSN: 2583-1712.</td></tr><tr><td><b>Date of Pre-PhD thesis Presentation</b></td><td>27/09/2022</td></tr></table> <p>The list of Experts for Evaluation of Thesis was provided in a Confidential Cover for approval of the School Board of School of Sciences.</p>	<b>Name</b>	Mr. Karma Loday Tamang (July, 2017 cycle)	<b>Enrolment Number</b>	179342366	<b>Date of Registration</b>	30/12/2017	<b>Research Topic</b>	Development and Livelihood Security with reference to River Teesta Hydro-Electric Power Projects in Sikkim”	<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) Paper title “Teesta Hydro-Electricity Projects and Livelihood Security in the Sikkim Himalaya: Issues and Challenges” in Integrated Journal for Research in Arts and Humanities for Issue May 2022, Volume-2, Issue-3, Page number-48-54, ISSN: 2583-1712.	<b>Date of Pre-PhD thesis Presentation</b>	27/09/2022	
<b>Name</b>	Mr. Karma Loday Tamang (July, 2017 cycle)																
<b>Enrolment Number</b>	179342366																
<b>Date of Registration</b>	30/12/2017																
<b>Research Topic</b>	Development and Livelihood Security with reference to River Teesta Hydro-Electric Power Projects in Sikkim”																
<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) Paper title “Teesta Hydro-Electricity Projects and Livelihood Security in the Sikkim Himalaya: Issues and Challenges” in Integrated Journal for Research in Arts and Humanities for Issue May 2022, Volume-2, Issue-3, Page number-48-54, ISSN: 2583-1712.																
<b>Date of Pre-PhD thesis Presentation</b>	27/09/2022																
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Mr. Karma Loday Tamang (Enrolment No. 179342366) 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 70.8.5</b>	<b>To consider and approve the Minutes of the Expert</b>	<b>SB 70.8.5</b>														

		<b>Committee Meeting held on 17<sup>th</sup> October, 2022 regarding adding a course in M. Sc. (Geography) Programme.</b>	
	<b>Matter for Discussion</b>	The Expert Committee Meeting of M.Sc. (Geography) Programme was held on 17 <sup>th</sup> October 2022 to include Project course worth 08 credits, which entailed submission of Project Report, enhancing the total credits from 72 to 80 for the proposed M.Sc. in Geography Programme and recommend the guidelines and evaluation methodology for the same. The Expert Committee deliberated and approved the additional course of a Project entailing submission of Project Report worth 8 credits to enhance the total credits from 72 to 80 in the M. Sc. (Geography) Programme and recommended the guidelines and evaluation methodology. The Minutes of the Expert Committee Meeting were placed before the School Board of the School of Sciences for consideration and approval.	
	<b>Decision of SB</b>	The School Board members deliberated on the course to be added and approved the minutes of the Expert Committee Meeting for further consideration and approval of the Academic Council.	
	<b>SB 70.8.6</b>	<b>To consider and approve the Programme Revision Form (PRF) for M.Sc. (Geography) Programme.</b>	<b>SB 70.8.6</b>
	<b>Matter for Discussion</b>	The Expert Committee Meeting of M.Sc. (Geography) Programme was held on 17 <sup>th</sup> October 2022 to include the course Project worth 08 credits, that entails submission of Project Report enhancing the total credits from 72 to 80 for the proposed M.Sc. (Geography) Programme. The Programme Revision Form regarding addition of a course in M.Sc. (Geography) Programme was placed before the School Board of the School of Sciences for consideration and approval.	
	<b>Decision of SB</b>	The School Board deliberated on the items in the Programme Revision Form and advised the changes required in the light of the enhanced credit weightage of the programme indicating courses/ credit offered per semester. The School Board approved, the course Project to be added in the programme structure, considering the importance of research component in Master's programme as per the NEP and approved the revised Programme Revision Form (PRF) for M.Sc. (Geography) Programme for further consideration and approval of the Academic Council.	
<b>SB 70.9</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Geology</u>.</b>		
	<b>SB 70.9.1</b>	<b>To consider and approve the cancellation of registration of Mr. Ankit Shah (Enrol. No. 131636648) and Mr. Rajesh Kumar (Enrol. No. 179342019) enrolled in PhD (Geology) programme.</b>	<b>SB 70.9.1</b>
	<b>Matter for Discussion</b>	Mr. Ankit Shah (Enrol. No. 131636648) was registered for PhD (Geology) Programme under the joint supervision of Prof. Benidhar Deshmukh (SOS, IGNOU) and Dr. L.K. Sinha, (DRDO, New Delhi). On request of the Scholar, the registration of the candidate was deactivated for a period of three years by Research Unit. After the completion of deactivation period the candidate informed the supervisor by mail that he did not wish to continue the PhD programme. Doctoral Research Committee recommended the cancellation of the registration of Mr. Ankit Shah in PhD (Geology) in its 61 <sup>st</sup> meeting held on 25 <sup>th</sup> August 2022.	



		Mr. Rajesh Kumar (Enrol. No. 179342019) was enrolled in PhD (Geology) programme under the joint supervision of Dr. Omkar Verma (SOS, IGNOU) and Dr. Yudhbir Singh (University of Jammu, Jammu). Dr. Verma informed the committee that two consecutive progress reports of the scholar for the period of July to December 2021 and January to June 2022 were found unsatisfactory by the respective Doctoral Committees. A letter conveying the reason for unsatisfactory progress and candidature liable to be cancelled was sent to Mr. Rajesh Kumar by Programme Coordinator through speed post on 5 <sup>th</sup> August 2022. The scholar had replied through email, but his explanation was not found satisfactory. The Committee deliberated on the matter and recommended cancellation of registration of Mr. Ankit Shah and Mr. Rajesh Kumar from PhD (Geology) Programme (as per Clause 9 of IGNOU Guidelines for PhD Programme as approved by the Research Council (in its 26 <sup>th</sup> Meeting held on 23 <sup>rd</sup> January 2019) in its 61 <sup>st</sup> Doctoral Research Committee of Geology held on 25 <sup>th</sup> August 2022. Minutes of the 61 <sup>st</sup> Doctoral Research Committee were placed before the School Board for its consideration and approval.	
	<b>Decision of SB</b>	After detailed deliberations, the School Board approved the partial Minutes of 61 <sup>st</sup> Doctoral Research Committee of Geology and recommended the cancellation of the registration of the Mr. Ankit Shah (Enrol. No. 131636648) for further consideration and approval of the Research Council. However, Dr. Omkar Verma was advised to follow the University rules and 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.	
	<b>SB 70.9.2</b>	<b>To report the approval of the list of examiners for evaluation of the PhD thesis of the scholar, Mr. Arun Kumar (Enrol. No. 188500474) enrolled in PhD Geology programme.</b>	<b>SB 70.9.2</b>
	<b>Matter for Discussion</b>	Mr. Arun Kumar (Enrol. No. 188500474) enrolled in PhD (Geology) programme submitted his thesis entitled "Geoenvironmental Studies of the Dehar Watershed, Himachal Himalaya" under the joint supervision of Dr. M. Prashanth, IGNOU, Delhi and Prof Sunil Dhar, Central University of Jammu, Jammu on 5 <sup>th</sup> August 2022. In order not to get further delayed and impact on the future career prospects of the scholar, the list of examiners for the evaluation of the PhD thesis of the scholar, was sent to Hon'ble Vice Chancellor, for approval and the same was approved. The matter of approval of list of examiners by Hon'ble Vice Chancellor for evaluation of the PhD thesis of the scholar, Mr. Arun Kumar (Enrol. No. 188500474) enrolled in PhD Geology programme was placed before the School Board for reporting.	
	<b>Decision of SB</b>	The matter was reported to the School Board.	
	<b>SB 70.9.3</b>	<b>To consider and approve the Minutes of the 62<sup>nd</sup> meeting of the Doctoral Research Committee in Geology held on 21<sup>st</sup> October 2022.</b>	<b>SB 70.9.3</b>
	<b>Matter for Discussion</b>	The 62 <sup>nd</sup> meeting of the Doctoral Research Committee in Geology was conducted on 21 <sup>st</sup> October 2022 for considering the two agenda items: • Pre-PhD submission seminars of two research scholars.	

		<ul style="list-style-type: none"><li>PhD synopsis and supervisor of Ms. Ruby Siddiqui (Enrol. No. 202493086).</li></ul> Mr. Rohit Kumar (Enrol No. 173101886) and Mr. S. Kiran (Enrol No. 179342026) are enrolled in PhD (Geology programme). Both scholars presented the Pre-submission seminars before the DRC held on 21 <sup>st</sup> October 2022, which were found to be satisfactory.  Ms. Ruby Siddiqui (Enrol. No.: 202493086) registered in PhD (Geology) programme presented the synopsis of the research proposal. The Doctoral Reserach Committee approved the synopsis and allotted the supervisor. The Minutes of the 62 <sup>nd</sup> Doctoral Research Committee in Geology were placed before the School Board for its consideration and approval.															
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of Minutes of the meeting of Doctoral Research Committee in geology.															
	<b>SB 70.9.4</b>	<b>To consider and approve the list of examiners for evaluation of PhD. Thesis of Mr. Rohit Kumar (Enrol. No. 173101886) enrolled in PhD (Geology) programme.</b>	<b>Confidential Cover</b>														
	<b>Matter for Discussion</b>	<p>The details of Mr. Rohit Kumar (Enrolment No. 173101886) enrolled in Ph.D (Geology) programme are given below:</p> <table><tr><td><b>Name</b></td><td>Rohit Kumar</td></tr><tr><td><b>Enrolment Number</b></td><td>173101886</td></tr><tr><td><b>Date of Registration</b></td><td>24 April 2017</td></tr><tr><td><b>Research Topic</b></td><td>"Gully Feature Extraction using Pixel and Object based Approaches and Assessment of Soil Loss in a part of Chambal Basin, Central India"</td></tr><tr><td><b>Name of Supervisor</b></td><td>Prof. Benidhar Deshmukh Discipline of Geology, School of Sciences IGNOU, Maidan Garhi, New Delhi-110068</td></tr><tr><td><b>Number(s) of Paper Publication</b></td><td>1. <b>Kumar, R.</b>, Deshmukh, B., &amp; Kumar, A. (2022). Using Google Earth Engine and GIS for basin scale soil erosion risk assessment: A case study of Chambal River basin, central India. Journal of Earth System Science, 131(4), 1-16. 2. <b>Kumar, R.</b>, Naqvi, H. R., Devrani, R., and Deshmukh, B., and Huang, Jr. C (2022). "Sediment Yield Assessment, Prioritization and Control Practices in Chambal River Basin Employing SYI Model" Journal of Geological Society of India, 98 (11). <a href="https://doi.org/10.1007/s12594-022-xxxx-x">https://doi.org/10.1007/s12594-022-xxxx-x</a></td></tr><tr><td><b>Pre-PhD thesis Presentation</b></td><td>21 October 2022</td></tr></table> <p>The list of Experts for Evaluation of Thesis was placed in a Confidential Cover for approval of the School Board of School of Sciences.</p>	<b>Name</b>	Rohit Kumar	<b>Enrolment Number</b>	173101886	<b>Date of Registration</b>	24 April 2017	<b>Research Topic</b>	"Gully Feature Extraction using Pixel and Object based Approaches and Assessment of Soil Loss in a part of Chambal Basin, Central India"	<b>Name of Supervisor</b>	Prof. Benidhar Deshmukh Discipline of Geology, School of Sciences IGNOU, Maidan Garhi, New Delhi-110068	<b>Number(s) of Paper Publication</b>	1. <b>Kumar, R.</b> , Deshmukh, B., & Kumar, A. (2022). Using Google Earth Engine and GIS for basin scale soil erosion risk assessment: A case study of Chambal River basin, central India. Journal of Earth System Science, 131(4), 1-16. 2. <b>Kumar, R.</b> , Naqvi, H. R., Devrani, R., and Deshmukh, B., and Huang, Jr. C (2022). "Sediment Yield Assessment, Prioritization and Control Practices in Chambal River Basin Employing SYI Model" Journal of Geological Society of India, 98 (11). <a href="https://doi.org/10.1007/s12594-022-xxxx-x">https://doi.org/10.1007/s12594-022-xxxx-x</a>	<b>Pre-PhD thesis Presentation</b>	21 October 2022	
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<b>Pre-PhD thesis Presentation</b>	21 October 2022																
	<b>Decision of</b>	The list of Examiners for evaluation of thesis of Mr. Rohit Kumar															

	<b>SB</b>	(Enrolment No. 173101886) 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 70.9.5</b>	<b>To consider and approve the list of examiners for evaluation of PhD. thesis of Mr. S. Kiran (Enrol. No. 179342026) enrolled in PhD (Geology) programme.</b>	<b>Confidential Cover</b>														
	<b>Matter for Discussion</b>	<div>The details of candidature of Mr. S. Kiran (Enrol. No. 179342026) enrolled in Ph.D (Geology) programme are given below:</div> <table><tr><td><b>Name</b></td><td>S. Kiran</td></tr><tr><td><b>Enrolment Number</b></td><td>179342026</td></tr><tr><td><b>Date of Registration</b></td><td>23 December 2017</td></tr><tr><td><b>Research Topic</b></td><td>"Depositional Environment and Source Rock Potential of Coal in parts of the Pranhita-Godavari Basin, India"</td></tr><tr><td><b>Name of Supervisor</b></td><td>Dr. Kakoli Gogoi, Assistant Professor, Discipline of Geology School of Sciences IGNOU, Maidangarhi, New Delhi-110068</td></tr><tr><td><b>Number(s) of Paper Publication</b></td><td>S. Kiran, Rohit Kumar, and Kakoli Gogoi (2022) Land use/land cover dynamics during 2001 and 2021 using Google Earth Engine and GIS in Ramagundam mining area, a part of Pranhita-Godavari Valley, Southern India. Journal of Scientific Research, year 2022, Vol. 66, Issue 1, pp. 63-68. DOI: 10.37398/JSR.2022.660107.</td></tr><tr><td><b>Pre-PhD thesis Presentation</b></td><td>21 October 2022</td></tr></table> <div>The list of Examiners for Evaluation of thesis was provided in a confidential cover. The matter was placed before the School Board for its consideration and approval.</div>	<b>Name</b>	S. Kiran	<b>Enrolment Number</b>	179342026	<b>Date of Registration</b>	23 December 2017	<b>Research Topic</b>	"Depositional Environment and Source Rock Potential of Coal in parts of the Pranhita-Godavari Basin, India"	<b>Name of Supervisor</b>	Dr. Kakoli Gogoi, Assistant Professor, Discipline of Geology School of Sciences IGNOU, Maidangarhi, New Delhi-110068	<b>Number(s) of Paper Publication</b>	S. Kiran, Rohit Kumar, and Kakoli Gogoi (2022) Land use/land cover dynamics during 2001 and 2021 using Google Earth Engine and GIS in Ramagundam mining area, a part of Pranhita-Godavari Valley, Southern India. Journal of Scientific Research, year 2022, Vol. 66, Issue 1, pp. 63-68. DOI: 10.37398/JSR.2022.660107.	<b>Pre-PhD thesis Presentation</b>	21 October 2022	
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<b>Pre-PhD thesis Presentation</b>	21 October 2022																
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Mr. S. Kiran (Enrolment No. 179342026) 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 70.9.6</b>	<b>To consider and approve the Programme Launch Form (PLA) of the Post Graduate Diploma in Geoinformatics (PGDGI) programme.</b>	<b>SB 70.9.6</b>														
	<b>Matter for Discussion</b>	The Programme Proposal Form (PPF) of PG Diploma in Geoinformatics was approved in 61 <sup>st</sup> APC held on 20 <sup>th</sup> September 2021 vide item no. APC 61.5.4. Subsequently, the Project Development Form (PDF) and Project Proposal Report (PPR) of the PG Diploma in Geoinformatics were approved in 68 <sup>th</sup> School Board of School of Sciences vide item no. SB 68.10.3 held on 03 <sup>rd</sup> December 2021, and the same were approved by the Academic Council in its 77 <sup>th</sup> meeting held on 28 <sup>th</sup> December 2021. However, due to change in minimum credit load of 20 credits per semester as per latest UGC guidelines, the structure has been revised to meet the requirements.															

		The revised structure has been approved as first year of the M.Sc. Geoinformatics programme in 69 <sup>th</sup> School Board meeting held on 05 <sup>th</sup> April 2022. Programme Launch Form (PLA) of the PG Diploma in Geoinformatics programme was placed before the School Board for its consideration and approval.													
	<b>Decision of SB</b>	The School Board deliberated on the the Programme Launch Form (PLA) of the PG Diploma in Geoinformatics programme and then approved it for further consideration and approval of the Academic Council.													
	<b>SB 70.9.7</b>	<b>To consider and approve the Concept Note and the MoU between the IGNOU and IMD to be signed, regarding establishment of an Automatic Weather station by India Meteorological Department, MOES, Govt. of India at IGNOU campus.</b>	<b>SB 70.9.7.1 &amp; SB 70.9.7.2</b>												
	<b>Matter for Discussion</b>	IMD is augmenting its urban services by establishing more Automatic Weather Stations (AWSs) in Delhi/NCR, to provide location-specific observations and warning services in urban agglomeration. AWS is a standalone instrumentation system that requires 10m × 10m open space for installation and is equipped with solar panels and fencing of the system provided by IMD. Cost of the installation and maintenance of the AWS would be borne by the IMD. AWS provides a continuous record of meteorological parameters. These parameters are essential for R&D in Earth Sciences, Environment and Geoinformatics. The proposal of installation of an AWS in IGNOU Campus had been approved by the Hon'ble Vice Chancellor, IGNOU. The Concept Note and draft of the MoU between the IGNOU and IMD to be signed were placed before the School Board for its consideration and approval.													
	<b>Decision of SB</b>	The School Board members welcomed the proposal of installation of Automatic Weather Station (AWS) on the IGNOU campus at Maidan Garhi. The School Board further approved the Concept Note and draft of the MoU between the IGNOU and IMD to be signed for further consideration and approval of the Academic Council.													
<b>SB 70.10</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Life Sciences</u>.</b>														
	<b>SB 70.10.1</b>	<b>To consider and approve the list of examiners for the thesis of Ms. Gunjan Sharma (Enrol. No. 173101893) PhD scholar in Life Sciences.</b>	<b>Confidential cover</b>												
	<b>Matter for Discussion</b>	<div>The details of Ms. Gunjan Sharma (Enrl. 173101893) enrolled in Ph.D (Life Sciences) programme are given below:</div> <table><tr><td><b>Name</b></td><td>Gunjan Sharma</td></tr><tr><td><b>Enrolment number</b></td><td>173101893</td></tr><tr><td><b>Date of registration</b></td><td>January, 2017</td></tr><tr><td><b>Topic</b></td><td>Role of gene duplication in insecticide resistance in mosquitoes</td></tr><tr><td><b>Supervisor (Internal/ External)</b></td><td>Prof. Neera Kapoor Professor in Life Sciences, IGNOU and Dr. O.P. Singh Scientist (G), National Institute of Malaria Research (ICMR), Sector 8, Dwarka, Delhi-110077</td></tr><tr><td><b>Pre Thesis</b></td><td>Held on 5<sup>th</sup> August, 2022</td></tr></table>	<b>Name</b>	Gunjan Sharma	<b>Enrolment number</b>	173101893	<b>Date of registration</b>	January, 2017	<b>Topic</b>	Role of gene duplication in insecticide resistance in mosquitoes	<b>Supervisor (Internal/ External)</b>	Prof. Neera Kapoor Professor in Life Sciences, IGNOU and Dr. O.P. Singh Scientist (G), National Institute of Malaria Research (ICMR), Sector 8, Dwarka, Delhi-110077	<b>Pre Thesis</b>	Held on 5 <sup>th</sup> August, 2022	
<b>Name</b>	Gunjan Sharma														
<b>Enrolment number</b>	173101893														
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<b>Topic</b>	Role of gene duplication in insecticide resistance in mosquitoes														
<b>Supervisor (Internal/ External)</b>	Prof. Neera Kapoor Professor in Life Sciences, IGNOU and Dr. O.P. Singh Scientist (G), National Institute of Malaria Research (ICMR), Sector 8, Dwarka, Delhi-110077														
<b>Pre Thesis</b>	Held on 5 <sup>th</sup> August, 2022														

		<table><tr><td><b>Seminar</b></td><td></td></tr><tr><td><b>No. of Publications</b></td><td>One published and One sent for publication: 1. Gunjan Sharma, Taranjeet Kaur, Neera Kapoor, Om P Singh. Evaluation of odorant-binding protein-1 as a molecular marker for identifying biological forms and delimitating sibling species of <i>Anopheles stephensi</i>. PLoS One. 2022 Jul 21;17(7): e0270760. DOI: 10.1371/journal.pone.0270760. 2. Gunjan Sharma, Neera Kapoor, Cherry L Dykes, Om P Singh. Tandemly-arrayed duplication of a genomic region encoding glutathione S transferase epsilon-2 and -4 genes in DDT-resistant <i>Anopheles stephensi</i>. Submitted in Scientific Reports</td></tr></table>	<b>Seminar</b>		<b>No. of Publications</b>	One published and One sent for publication: 1. Gunjan Sharma, Taranjeet Kaur, Neera Kapoor, Om P Singh. Evaluation of odorant-binding protein-1 as a molecular marker for identifying biological forms and delimitating sibling species of <i>Anopheles stephensi</i> . PLoS One. 2022 Jul 21;17(7): e0270760. DOI: 10.1371/journal.pone.0270760. 2. Gunjan Sharma, Neera Kapoor, Cherry L Dykes, Om P Singh. Tandemly-arrayed duplication of a genomic region encoding glutathione S transferase epsilon-2 and -4 genes in DDT-resistant <i>Anopheles stephensi</i> . Submitted in Scientific Reports													
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		The list of Examiners for Evaluation of thesis of Ms. Gunjan Sharma (Enrol. No. 173101893) was provided in a confidential cover. The matter 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 Ms. Gunjan Sharma (Enrolment No. 173101893) 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 70.10.2</b>	<b>To consider and approve the list of examiners for the thesis of Ms. Preeti Chaudhary, PhD scholar in Life Sciences.</b>	<b>Confidential cover</b>																
	<b>Matter for Discussion</b>	<table><tr><td colspan="2">The details of Ms. Preeti Chaudhary (Enrl. 173101965) enrolled in Ph.D (Life Sciences) programme are given below:</td></tr><tr><td><b>Name</b></td><td>Preeti Chaudhary</td></tr><tr><td><b>Enrolment number</b></td><td>173101965</td></tr><tr><td><b>Date of registration</b></td><td>January, 2017</td></tr><tr><td><b>Topic</b></td><td>Study on the interacting partners of Kelch 13 protein of <i>P. falciparum</i></td></tr><tr><td><b>Supervisor (Internal/ External)</b></td><td>Prof. Neera Kapoor Professor in Life Sciences, IGNOU and Dr. K.C. Pandey Scientist (E), ICMR, NIMR, Sector 8, Dwarka, Delhi-110077</td></tr><tr><td><b>Pre Thesis Seminar</b></td><td>Held on 5<sup>th</sup> August, 2022</td></tr><tr><td><b>No. of Publications</b></td><td>No. of Publication: One "Exploring the interacting partners of endogenous <i>P. falciparum</i> kelch13 using co-immuno precipitation assays". (Accepted in The Protein Journal)</td></tr></table> <p>The list of Examiners for Evaluation of thesis of Ms. Preeti Chaudhary (Enrl. 173101965) was provided in a confidential cover. The matter was placed before the School Board for its consideration and approval.</p>	The details of Ms. Preeti Chaudhary (Enrl. 173101965) enrolled in Ph.D (Life Sciences) programme are given below:		<b>Name</b>	Preeti Chaudhary	<b>Enrolment number</b>	173101965	<b>Date of registration</b>	January, 2017	<b>Topic</b>	Study on the interacting partners of Kelch 13 protein of <i>P. falciparum</i>	<b>Supervisor (Internal/ External)</b>	Prof. Neera Kapoor Professor in Life Sciences, IGNOU and Dr. K.C. Pandey Scientist (E), ICMR, NIMR, Sector 8, Dwarka, Delhi-110077	<b>Pre Thesis Seminar</b>	Held on 5 <sup>th</sup> August, 2022	<b>No. of Publications</b>	No. of Publication: One "Exploring the interacting partners of endogenous <i>P. falciparum</i> kelch13 using co-immuno precipitation assays". (Accepted in The Protein Journal)	
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<b>Pre Thesis Seminar</b>	Held on 5 <sup>th</sup> August, 2022																		
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	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Ms. Preeti Chaudhary (Enrolment No. 173101965) 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 70.10.3</b>	<b>To consider and approve the list of examiners for the thesis of Ms. Abida Samad (Enrl. 188500736) PhD scholar in Life Sciences.</b>	<b>Confidential Cover</b>														
	<b>Matter for Discussion</b>	<p>The list of examiners for the thesis of Ms. Abida Samad (Enrl. 188500736), is placed before the School Board of School of Sciences for consideration and approval.</p> <table><tr><td><b>Name</b></td><td>Abida Samad</td></tr><tr><td><b>Enrolment number</b></td><td>188500736</td></tr><tr><td><b>Date of registration</b></td><td>July, 2018</td></tr><tr><td><b>Topic</b></td><td>Screening and evaluation of some high-altitude medicinal plants from Kashmir valley against colorectal cancer progression</td></tr><tr><td><b>Supervisor (Internal/External)</b></td><td>Prof. Amrita Nigam and Prof. Moshahid Alam Rizvi, Department of Biosciences, Jamia Milia Islamia, New Delhi – 110025</td></tr><tr><td><b>Pre Thesis Seminar</b></td><td>Held on 11<sup>th</sup> October 2022</td></tr><tr><td><b>No. of Publications</b></td><td>One <b>Abida Samad</b>, Amrita Nigam, M. Moshahid A. Rizvi, Khalid Imtiyaz D, Syed Tauqeer Anwar (2022) In Vitro Anti-Cancer Efficacy Of Juglans Regia Against-Colorectal Cancer Cellline. The Journal Of Oriental Research Madras ISSN : 0022-3301, V. 99 (March).</td></tr></table> <p>The list of Examiners for Evaluation of thesis of Ms. Abida Samad (Enrl. 188500736) was provided in a confidential cover. The matter was placed before the School Board for its consideration and approval.</p>	<b>Name</b>	Abida Samad	<b>Enrolment number</b>	188500736	<b>Date of registration</b>	July, 2018	<b>Topic</b>	Screening and evaluation of some high-altitude medicinal plants from Kashmir valley against colorectal cancer progression	<b>Supervisor (Internal/External)</b>	Prof. Amrita Nigam and Prof. Moshahid Alam Rizvi, Department of Biosciences, Jamia Milia Islamia, New Delhi – 110025	<b>Pre Thesis Seminar</b>	Held on 11 <sup>th</sup> October 2022	<b>No. of Publications</b>	One <b>Abida Samad</b> , Amrita Nigam, M. Moshahid A. Rizvi, Khalid Imtiyaz D, Syed Tauqeer Anwar (2022) In Vitro Anti-Cancer Efficacy Of Juglans Regia Against-Colorectal Cancer Cellline. The Journal Of Oriental Research Madras ISSN : 0022-3301, V. 99 (March).	
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<b>Pre Thesis Seminar</b>	Held on 11 <sup>th</sup> October 2022																
<b>No. of Publications</b>	One <b>Abida Samad</b> , Amrita Nigam, M. Moshahid A. Rizvi, Khalid Imtiyaz D, Syed Tauqeer Anwar (2022) In Vitro Anti-Cancer Efficacy Of Juglans Regia Against-Colorectal Cancer Cellline. The Journal Of Oriental Research Madras ISSN : 0022-3301, V. 99 (March).																
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Ms. Abida Samad (Enrolment No. 188500736) 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 70.10.4</b>	<b>To consider and approve the Minutes of the Doctoral Research Committee Meeting of Life Sciences Discipline held on 5<sup>th</sup> August 2022.</b>	<b>SB 70.10.4</b>														
	<b>Matter for Discussion</b>	<p>The meeting of the Doctoral Research Committee in Life Sciences was conducted on 5<sup>th</sup> August 2022 considering the following agenda items.</p> <p>1. Assessment of Pre-thesis seminar of two students (Ms. Gunjan Sharma, Enrl. 173101893 and Ms. Preeti Chaudhary, Enrl. 173101965) of PHDLS.</p> <p>2. Assessment of second mandatory seminar of two students (Ms. Abida Samad, Enrl. no. 188500736 and Ms. N. Veena Rani, Enrl.</p>															

		<p>no. 188500750) of PHDLS,</p> <p>3. Follow up action on the decision of School Board regarding the transfer of students (Ms. Rashmi Kumari, Enrl. 173101926 and Ms. Priyanka Rajput, Enrl. 18850071).</p> <p>4. Reporting the agenda of one student (Mr. Akhaya Kumar Behera, Enrollment number 173102745) of PHDLS referred by Research Unit, IGNOU.</p> <p>5. Reporting six monthly progress reports of four students (Ms. Rashmi Kumari, Enrl. No. 173101926; Ms. Priyanka Rajput, Enrl. No. 18850071; Ms. Kumari Nisha Kachhap, Enrl. No. 173101958; Mr. Akhaya Kumar Behera, Enrl. No. 173102745).</p> <p>6. Reporting the presentation of 1<sup>st</sup> mandatory seminar of Ms. Rashmi Kumari (Enrl. 173101926) before the Doctoral Research Committee members.</p> <p>The Minutes of the 62<sup>nd</sup> Doctoral Research Committee in Life Science were placed before the School Board for its consideration and approval.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences, after detailed deliberations, approved the contents of the Minutes of the Doctoral Research Committee of Life Sciences and recommended the cancellation of the registration of the student Mr. Akhaya Kumar Behera (Enrl. No. 173102745) for further consideration and approval of the Research Council.	
	<b>SB 70.10.5</b>	<b>To consider and approve the Minutes of the Doctoral Research Committee Meeting of Life Sciences Discipline held on 11<sup>th</sup> October 2022</b>	
	<b>Matter for Discussion</b>	<p>The meeting of the Doctoral Research Committee of Life Sciences was conducted on 11<sup>th</sup> October 2022 considering the following agenda item.</p> <ul style="list-style-type: none"> <li>Pre-PhD submission seminar of Ms Abida Samad (Enrol. No. 188500736)</li> </ul> <p>Ms Abida Samad (Enrol. No 188500736) enrolled in Ph.D (Life Science) programme presented the Pre-submission seminar before the DRC held on 11<sup>th</sup> October 2022, which was found to be satisfactory. Minutes of the 62<sup>nd</sup> Doctoral Research Committee in Life Science were placed before the School Board for its consideration and approval.</p>	<b>SB 70.10.5</b>
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the Minutes of the meeting of Doctoral Research Committee for assessment of pre-thesis seminar of scholar of PHDLS.	
	<b>SB 70.10.6</b>	<b>To consider and recommend the lists of additional course writers for the elective courses "Insect Taxonomy and Morphology (MZOE-004), Insect Physiology and Toxicology (MZOE-005), Applied Entomology (MZOE-006) and Lab Course IV (MZOL-004)" for M.Sc. Zoology.</b>	<b>SB 70.10.6</b>
	<b>Matter for Discussion</b>	The discipline of Life Sciences is in the process of developing M.Sc. (Zoology) programme. The discipline has proposed an additional list of course writers for the elective courses "Insect Taxonomy and Morphology (MZOE-004), Insect Physiology and Toxicology (MZOE-005), Applied Entomology (MZOE-006) and Lab Course IV (MZOL-004)" for M.Sc. (Zoology) programme. The additional list of course writers for the elective courses for M.Sc. (Zoology) were placed before School Board of 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 of elective courses of M.Sc. (Zoology) programme and recommended the same for the approval of the competent authority.	
<b>SB 70.11</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Mathematics.</u></b>		
	<b>SB 70.11.1</b>	<b>To consider and approve the lists of external examiners for the term end practical examination for the courses of the M.Sc (MACS).</b>	<b>SB 70.11.1.1 SB 70.11.1.2 SB 70.11.1.3 SB 70.11.1.4 SB 70.11.1.5 SB 70.11.1.6 SB 70.11.1.7 SB 70.11.1.8</b>
	<b>Matter for Discussion</b>	The discipline of Mathematics submitted updated lists of external examiners for the term end practical examiners for the Centres at Chennai, Cochin, Delhi, Jabalpur, Kolkata, Patiala, Pune and Ranchi. The updated lists were placed for the consideration and approval of the School Board of School of Sciences.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the updated lists of examiners for term end examination of M.Sc (MACS) programme and recommended for the approval of the competent authority.	
	<b>SB 70.11.2</b>	<b>To consider and approve the list of experts for the Expert Committee meeting to revise the M.Sc (MACS) programme and bring it in line with the New Education Policy (NEP).</b>	<b>SB 70.11.2</b>
	<b>Matter for Discussion</b>	The list of experts for the Expert Committee were placed for the consideration and approval of the School Board.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the list of experts for the Expert Committee to revise the M.Sc (MACS) programme.	
<b>SB 70.12</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Physics.</u></b>		
	<b>SB 70.12.1</b>	<b>To consider and approve the names of editors for the courses Statistical Mechanics (MPH-011), Optics (MPH-013) and Elements of Reactor Physics (MPHE-026) of the M. Sc. (Physics) Programme.</b>	<b>SB 70.12.1</b>
	<b>Matter for Discussion</b>	The Physics faculty is currently in the process of developing the M. Sc. programme in Physics and the list of editors for the courses Statistical Mechanics (MPH-011), Optics (MPH-013) and Elements of Reactor Physics (MPHE-026) of the M. Sc. (Physics) Programme were placed for the consideration and approval of the School Board of School of Sciences.	
	<b>Decision of SB</b>	The School Board of School of Sciences approved the names of editors for the courses of M.Sc. (Physics) programme.	
	<b>SB 70.12.2</b>	<b>To consider and approve the names of the internal faculty members of the Physics Discipline as course writers for the M. Sc. (Physics) Programme.</b>	
	<b>Matter for Discussion</b>	The PDF and PPR for the M.Sc. (Physics) Programme were approved in the 77th meeting of the Academic Council of the Indira Gandhi National Open University on December 28, 2021. The Physics faculty is currently in the process of developing the programme. The following list of internal faculty members of the Physics Discipline is	

		placed before the School Board for its consideration and recommendation as course writers for the M.Sc. (Physics) Programme: 1. Prof. Vijayshri 2. Prof. S. R. Jha 3. Prof. Shubha Gokhale 4. Prof. Sanjay Gupta 5. Dr. Subhalakshmi Lamba 6. Dr. M. B. Newmai	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the list of internal faculty members of the Physics Discipline as course writers for the M.Sc. (Physics) Programme for the approval of the competent authority.	

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

  
 प्रो. मीनल मिश्रा / Prof. Meenal Mishra  
**CHAIRPERSON AND DIRECTOR, SOS**  
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**(Prof. Meenal Mishra)**  
 Chairperson


  
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