

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

The following members were present:

1	Prof. Sujatha Varma	--	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. S. Vijayasekhar Reddy	--	Member (Other School)
8	Prof. Sutapa Bose	--	Member (Other School)
9	Dr. Mansi Sharma	--	Member (Other School)
10	Prof. Sunita Malhotra	--	Member
11	Prof. Bharat Inder Fozdar	--	Member
12	Prof. Neera Kapoor	--	Member
13	Prof. S. R. Jha	--	Member
14	Prof. Javed A. Farooqi	--	Member
15	Prof. Amrita Nigam	--	Member
16	Prof. Sanjiv Kumar	--	Member
17	Prof. M.S. Nathawat	--	Member
18	Prof. Lalita S. Kumar	--	Member
19	Prof. Shubha Gokhale	--	Member
20	Prof. Meenal Mishra	--	Member
21	Prof. Benidhar Deshmukh	--	Member
22	Prof. Kamalika Banerjee	--	Member
23	Prof. Sanjay Gupta	--	Member
24	Prof. Manish Trivedi	--	Member
25	Prof. Subhakant Mohapatra	--	Member
26	Prof. Deepika	--	Member
27	Prof. Parvesh Bubber	--	Member
28	Prof. Vijay Baraik	--	Member
29	Prof. R. Baskar	--	Member
30	Dr. Shubhalakshmi Lamba	--	Member
29	Dr. Kakoli Gogoi	--	Member
30	Dr. Rajesh	--	Member

Prof. Vijayshri, School of Sciences and Prof. Neeti Agrawal, School of Management Studies, IGNOU could not attend the meeting.

Prof. Sujatha Varma, 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 specially welcomed the newly 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. Vijaysekhar Reddy, SOSS, Dr. Mansi Sharma, SOL, Prof. Sutapa Bose, SOE, under Clause 2 (d) of the Statute 10 A.

The Chairperson then informed the members about the progress made by the School of Sciences since the last School Board meeting. The School of Sciences was mainly involved in the course development of BSc (General) programme in 7 Disciplines and BSc (Honours) Programme in Biochemistry. The School has initiated some steps for implementation of NEP. Some more skill based courses were added as inter disciplinary courses in BSCG. School is working on the four year undergraduate Programme based on the UGC curriculum framework which is expected to be out soon. The School is also in the process of developing MSc programmes in – Geography,

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

Geoinformatics, Physics, Chemistry, Statistics and Zoology. The proposal and curriculum structure and syllabus have already been approved by the statutory bodies.

The School along with RSD have also taken steps to organize face to face laboratory sessions for BSCG students spread across the different parts of the country which was long due because of the Covid Pandemic situation prevailing for the last two years.

She informed that many candidates have cleared NTA examination for joining for PhD programmes offered various Disciplines of the School. The School is organizing interview for those candidates and the candidates who clear the interview will be admitted to PhD programme.

The school has organized two national webinars – One on National Mathematics Day and other on National Science Day in which the State Minister of Education Dr. Subash Sarkar was the Chief Guest of the occasion. The school organized special lectures by eminent mathematicians and scientists. Some innovative activities also were organized for IGNOU learners.

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

AGENDA NO.	SUB-AGENDA NO.	AGENDA	ANNEXURE
<b>SB 69.1</b>	<b>To confirm the minutes of the 68<sup>th</sup> meeting of the School Board of the School of Sciences held on 03<sup>rd</sup> December 2021 and to note the action taken thereon.</b>		<b>SB 69.1.1.1 &amp; SB 69.1.1.2</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 <b>approved</b> the Minutes of the 68 <sup>th</sup> School Board Meeting and also took note of the <b>Action Taken Report</b> .	
<b>SB 69.2</b>	<b>Matters arising out of the minutes of 68<sup>th</sup> meeting of the School Board.</b>		<b>SB 69.2.1</b>
	<b>Matter for Discussion</b>	Matter arising from the Minutes.	
	<b>Decision of SB</b>	No matter was reported.	
<b>SB 69.3</b>	<b>To consider and confirm the minutes of the 31st meeting of School Board Standing Committee of School of Sciences held on 04th March, 2022.</b>		<b>SB 69.3.1</b>
	<b>Matter for Discussion</b>	The Minutes of the meeting of 31st meeting of School Board Standing Committee of School of Sciences held on 04th March, 2022 were placed along with the relevant papers for consideration and approval of the School Board.	
	<b>Decision of SB</b>	The School Board <b>approved</b> the Minutes of the 31st meeting of School Board Standing Committee of School of Sciences held on 04th March, 2022.	
<b>SB 69.4</b>	<b>To consider and approve agenda items pertaining to the Discipline</b>		<b>SB 69.4</b>

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

<b>(Biochemistry)</b>	<b><u>of Biochemistry.</u></b>		<b>(Biochemistry)</b>
<b>SB 69.4.1</b>	<b>To consider and approve the PPF of the proposed Master's Programme in Biochemistry Discipline and the List of Experts for the M.Sc. (Biochemistry) Programme Expert Committee.</b>		<b>SB 69.4.1.1 &amp; 69.4.1.2</b>
		<p>The Biochemistry Discipline Group had submitted the proposal to launch M.Sc. Programme in Biochemistry in the ODL mode. The programme would aim to provide quality higher education in biochemistry and address the national requirement for the creation of an employable scientific work-force. The flexibility of an M.Sc. in the ODL mode would be particularly beneficial to science graduates of IGNOU and in-service professionals such as school teachers, laboratory technicians in College/University/research laboratories, and others looking for career advancement opportunities by acquiring a post graduate degree.</p> <p>B.Sc (Hons) Biochemistry was successfully launched in July 2020. However, queries related to M.Sc programme keeps on coming from time to time. Moreover, considering the recommendation of the recent NAAC committee to offer Masters programme, and Action Plan outlined for IGNOU by CIQA in June 2021 for the second cycle of NAAC Accreditation, Biochemistry discipline wishes to offer Master degree programme in Biochemistry</p> <p>The PPF for the M. Sc. (Biochemistry) Programme (<b>Annexure 69.4.1.1</b>) and the proposed list of experts for the Programme Expert Committee (<b>Annexure 69.4.1.2</b>) are annexed.</p>	
	<b>Decision of SB</b>	After deliberation, the School Board approved the PPF form for further consideration of APC of the Planning Board.	
<b>SB 69.5 (Chemistry)</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Chemistry.</u></b>		<b>--</b>
	<b>SB 69.5.1</b>	<b>To consider and approve the Minutes of 64th Doctoral Research Committee Meeting of Chemistry Discipline held online on 9th March 2022.</b>	<b>SB 69.5.1</b>
	<b>Matter for Discussion</b>	The Chemistry Discipline Group had submitted the Minutes of 64th Doctoral Research Committee Meeting of Chemistry Discipline held online on 9th March 2022 to assess the six-monthly progress reports of the research scholars.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of the Minutes of 64th Meeting of the Doctoral Research Committee of Chemistry.	
	<b>SB 69.5.2</b>	<b>To consider and approve the Programme Development Form (PDF) and Programme Project Report (PPR) for M.Sc. (Chemistry) Programme.</b>	<b>SB 69.5.2.1 , 69.5.2.2 &amp; 69.5.2.3</b>
	<b>Matter for Discussion</b>	The Chemistry Discipline Group had submitted the Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Chemistry) Programme.	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		<p>The Programme Proposal Form (PPF) for the M.Sc. (Chemistry) Programme was approved in the 67th Meeting of the School Board of the School of Sciences on July 22nd, 2021 and the 61st Meeting of the Academic Programmes Committee (APC) of the Planning Board on September 20th, 2021.</p> <p>The Programme Development Form (PDF) (<b>Annexure 69.5.2.1 &amp; Annexure 69.5.2.2</b>) and the Programme Project Report (PPR) (<b>Annexure 69.5.2.3</b>) for the M.Sc. (Chemistry) Programme were placed before the School Board for consideration and approval.</p>	
	<b>Decision of SB</b>	The School Board deliberated in detail on all aspects of development, programme structure, syllabus and implementation of the programme as stated in the PDF and PPR. In view of the some of the point raised about the programme structure, it was decided that the programme structure proposed will be tentative and will be relooked into in the light of University policy. The school board then approved the Programme Development form and Programme Project Report for M.Sc. in Chemistry for further consideration of the Academic Council.	
	<b>SB 69.5.3</b>	<b>To consider and recommend the names of course writers for some of the courses of M.Sc. (Chemistry) Programme.</b>	<b>SB 69.5.3.1</b>
	<b>Matter for Discussion</b>	<p>The Chemistry Discipline Group had submitted the names of course writers for some of the courses of M.Sc. (Chemistry) Programme.</p> <p>The Programme Development Form (PDF) including the PPR for the same were placed for approval. The Discipline proposed the names of the course writers for some of the courses for the consideration of the School Board of School of Sciences. The names of course writers are given as <b>Annexure 69.5.3.1.</b></p>	
	<b>Decision of SB</b>	After deliberation, the School Board recommended the names of the course writers for the approval of the competent authority based on the approval of the PDF and PPR.	
<b>SB 69.6 (Geography)</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Geography.</u></b>		
	<b>SB 69.6.1</b>	<b>To consider and approve the Panel of Experts for Doctoral Research Committee of the Discipline of Geography.</b>	<b>SB 69.6.1</b>
	<b>Matter for Discussion</b>	The Discipline of Geography has submitted the Revised Panel of Experts for Doctoral Research Committee of Ph.D. Programme in Geography for consideration and approval of the School Board.	
	<b>Decision of SB</b>	After deliberation, the School Board approved the Revised Panel of Experts for Doctoral Research Committee of Ph.D. Programme in Geography.	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

	<b>SB 69.6.2</b>	<b>To consider and approve the cancellation of registrations of Ms. Nidhi Arora (En. No. 138001137) enrolled in Ph.D Programme and Mr. Vipul Garg (En. No. 179342413) enrolled in M.Phil. Programme of Geography.</b>	<b>Annexure-69.6.2</b>
	<b>Matter for Discussion</b>	<p>The PhD supervisor informed the School Board about the status of Ms. Nidhi Arora which was placed on record before 57<sup>th</sup> Doctoral Research Committee held on February 16, 2022. A committee was constituted by the School Board to review her status based on her representation. Her registration period including 2 year relaxation for women candidate and relaxation due to Covid situation ended on 31/12/2021. The Committee had framed a time line for timely completion of her PhD thesis by 31/12/2021. Ms. Nidhi Arora did not follow the timeline given to her. Her registration was valid upto 16/09/2020.</p> <p>The DRC Committee recommended the cancellation of registration of Ms. Nidhi Arora as per Clause 8.7 of IGNOU Regulations for conducting Research Degree Programme.</p> <p>Further the DRC Committee also recommended the cancellation of registration of another student Mr. Vipul Garg as his registration to M.Phil. programme was valid only upto December 27, 2019 (minutes enclosed).</p> <p>The matter was placed before the School Board for consideration and approval.</p>	
	<b>Decision of SB</b>	After deliberation, the School Board approved the cancellation of Ms. Nidhi Arora and Mr. Vipul Garg with the noting that both the students were given enough time to be heard. The Board advised the Discipline to send this Item 3 in the DRC Minutes to the Research Unit for approval of the Research Council.	
	<b>SB 69.6.3</b>	<b>To consider and approve the withdrawal of registration of Mr. Sandeep Kumar (En.No.173101822) enrolled in Ph.D. Programme of Geography.</b>	<b>SB 69.6.3</b>
	<b>Matter for Discussion</b>	<p>The 57<sup>th</sup> Doctoral Research Committee held on February 16, 2022 discussed and considered the request of withdrawal of registration of Mr. Sandeep Kumar for PhD in Geography based on his email (minutes enclosed). The committee recommended the withdrawal of registration of the student.</p> <p>The matter is placed before the 69<sup>th</sup> School Board of the School of Sciences for consideration and approval.</p>	
	<b>Decision of SB</b>	After detailed deliberation, the School Board of School of Sciences approved the withdrawal of registration of Mr. Sandeep Kumar.	
	<b>SB 69.6.4</b>	<b>To consider and approve the Minutes of the 59th Doctoral Research Committee meeting held on 31st March 2022 of Geography Discipline.</b>	<b>SB 69.6.4</b>
	<b>Matter for</b>	The Geography Discipline Group had submitted the Minutes	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

	<b>Discussion</b>	<p>of the 59th Meeting of the Doctoral Research Committee of Geography Discipline held on March 31, 2022.</p> <p>The following item was discussed in the meeting.</p> <p>Pre-thesis submission seminar of Ph.D. scholar Mr. Shekhar Kumar (Enrolment No. 173101861) registered in January, 2017 admission cycle.</p> <p>Minutes of the Doctoral Research Committee Meeting is placed as Annexure SB 69.6.4.</p>															
	<b>Decision of SB</b>	After detailed deliberation, the School Board of School of Sciences approved the Minutes of DRC.															
	<b>SB 69.6.5</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. thesis of Mr. Shekar Kumar (Enrolment No. 173101861, January, 2017 cycle), PhD research scholar, Discipline of Geography.</b>	<b>Confidential Cover</b>														
	<b>Matter for Discussion</b>	<p>The Geography Discipline Group had submitted the list of examiners for the evaluation of Ph.D. thesis of Mr. Shekar Kumar (Enrolment No. 173101861, January, 2017 cycle), PhD research scholar, Discipline of Geography.</p> <p>The details of candidature of Mr. Shekhar Kumar (Enrolment No. 173101861), PhD Scholar, Discipline of Geography are given below:</p> <table><tr><td><b>Name</b></td><td>Mr. Shekhar Kumar</td></tr><tr><td><b>Enrolment Number</b></td><td>173101861</td></tr><tr><td><b>Date of Registration</b></td><td>03-05-2017</td></tr><tr><td><b>Research Topic</b></td><td>"Assessment of Climate Change and its Impact on Water Resources in Beas River Basin of Western Himalaya"</td></tr><tr><td><b>Name(s) of Supervisor(s)</b></td><td>Dr. K. Nageswara Rao, Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidangarhi, New Delhi-110068.</td></tr><tr><td><b>Number(s) of Paper Publication and Details</b></td><td>1. Kumar Shekhar and Nageswara Rao K. (2021). <b>Analysis of temperature and rainfall for assessment of climate change during 20<sup>th</sup> century in Beas river basin.</b> Mausam, Vol 14 (3), 486-506. 2. Kumar Shekhar and Nageswara Rao K. (2021). <b>Assessment of spatio-temporal fluctuations of snow cover in Beas basin, western Himalaya using geospatial techniques.</b> Disaster Advances, Vol 72 (1), pp 63-72.</td></tr><tr><td><b>Date of Pre-PhD thesis Presentation</b></td><td>31-03-2022</td></tr></table> <p>The list of Examiners for Evaluation of thesis was provided in a confidential cover.</p>	<b>Name</b>	Mr. Shekhar Kumar	<b>Enrolment Number</b>	173101861	<b>Date of Registration</b>	03-05-2017	<b>Research Topic</b>	"Assessment of Climate Change and its Impact on Water Resources in Beas River Basin of Western Himalaya"	<b>Name(s) of Supervisor(s)</b>	Dr. K. Nageswara Rao, Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidangarhi, New Delhi-110068.	<b>Number(s) of Paper Publication and Details</b>	1. Kumar Shekhar and Nageswara Rao K. (2021). <b>Analysis of temperature and rainfall for assessment of climate change during 20<sup>th</sup> century in Beas river basin.</b> Mausam, Vol 14 (3), 486-506. 2. Kumar Shekhar and Nageswara Rao K. (2021). <b>Assessment of spatio-temporal fluctuations of snow cover in Beas basin, western Himalaya using geospatial techniques.</b> Disaster Advances, Vol 72 (1), pp 63-72.	<b>Date of Pre-PhD thesis Presentation</b>	31-03-2022	
<b>Name</b>	Mr. Shekhar Kumar																
<b>Enrolment Number</b>	173101861																
<b>Date of Registration</b>	03-05-2017																
<b>Research Topic</b>	"Assessment of Climate Change and its Impact on Water Resources in Beas River Basin of Western Himalaya"																
<b>Name(s) of Supervisor(s)</b>	Dr. K. Nageswara Rao, Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidangarhi, New Delhi-110068.																
<b>Number(s) of Paper Publication and Details</b>	1. Kumar Shekhar and Nageswara Rao K. (2021). <b>Analysis of temperature and rainfall for assessment of climate change during 20<sup>th</sup> century in Beas river basin.</b> Mausam, Vol 14 (3), 486-506. 2. Kumar Shekhar and Nageswara Rao K. (2021). <b>Assessment of spatio-temporal fluctuations of snow cover in Beas basin, western Himalaya using geospatial techniques.</b> Disaster Advances, Vol 72 (1), pp 63-72.																
<b>Date of Pre-PhD thesis Presentation</b>	31-03-2022																
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Mr. Shekar Kumar ( <b>Enrollment No. 173101861</b> ) 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 not be circulated as a part of Minutes but be forwarded in a confidential cover to the Research Unit, IGNOU after the Minutes are approved.															
	<b>SB 69.6.6</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. thesis of Mr. Bipin Kumar (Enrolment No. 179342302, July 2017 cycle), PhD research scholar, Discipline of Geography.</b>	<b>Confidential Cover</b>														

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

	<b>Matter for Discussion</b>	<p>The Geography Discipline Group had submitted the list of examiners for the evaluation of Ph.D. thesis of Mr. Bipin Kumar (Enrolment No. 179342302, July 2017 cycle), PhD research scholar, Discipline of Geography.</p> <p>The details of candidature of Mr. Bipin Kumar (Enrolment No. 179342302), PhD Student, and Discipline of Geography are given below:</p> <table><tr><td><b>Name</b></td><td>Mr. Bipin Kumar</td></tr><tr><td><b>Enrolment Number</b></td><td>179342302</td></tr><tr><td><b>Date of Registration</b></td><td>28-12-2017</td></tr><tr><td><b>Research Topic</b></td><td>"Tribal Inhabitation and Livelihood in Urban Spaces of Jharkhand"</td></tr><tr><td><b>Name(s) of Supervisor (s)</b></td><td>Prof. Vijay Kumar Baraik, Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidangarhi, New Delhi-110068</td></tr><tr><td><b>Number(s) of Paper Publication and Details</b></td><td>1) Kumar, Bipin and Baraik, V. K (2021). Tribes at the Margin of Tribal Space: Urban Socio-Spatial Exclusion. SAGE Urbanisation, Vol. 6, Issue 2, 145-164. DOI: <a href="https://doi.org/10.1177%2F24557471211059986">https://doi.org/10.1177%2F24557471211059986</a>.  2) Kumar, Bipin and Baraik, V. K (2020). Non-Inclusive Tribal Workforce Participation in Urban Spaces: A Case Study of Jharkhand. National Geographical Journal of India, Vol. 66, No. 3, 208-221. DOI: 10.48008/ngji.1742</td></tr><tr><td><b>Date of Pre-PhD thesis Presentation</b></td><td></td></tr></table> <p>The list of Examiners for Evaluation of thesis is provided in a <b>Confidential Cover</b>.</p>	<b>Name</b>	Mr. Bipin Kumar	<b>Enrolment Number</b>	179342302	<b>Date of Registration</b>	28-12-2017	<b>Research Topic</b>	"Tribal Inhabitation and Livelihood in Urban Spaces of Jharkhand"	<b>Name(s) of Supervisor (s)</b>	Prof. Vijay Kumar Baraik, Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidangarhi, New Delhi-110068	<b>Number(s) of Paper Publication and Details</b>	1) Kumar, Bipin and Baraik, V. K (2021). Tribes at the Margin of Tribal Space: Urban Socio-Spatial Exclusion. SAGE Urbanisation, Vol. 6, Issue 2, 145-164. DOI: <a href="https://doi.org/10.1177%2F24557471211059986">https://doi.org/10.1177%2F24557471211059986</a> .  2) Kumar, Bipin and Baraik, V. K (2020). Non-Inclusive Tribal Workforce Participation in Urban Spaces: A Case Study of Jharkhand. National Geographical Journal of India, Vol. 66, No. 3, 208-221. DOI: 10.48008/ngji.1742	<b>Date of Pre-PhD thesis Presentation</b>		
<b>Name</b>	Mr. Bipin Kumar																
<b>Enrolment Number</b>	179342302																
<b>Date of Registration</b>	28-12-2017																
<b>Research Topic</b>	"Tribal Inhabitation and Livelihood in Urban Spaces of Jharkhand"																
<b>Name(s) of Supervisor (s)</b>	Prof. Vijay Kumar Baraik, Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidangarhi, New Delhi-110068																
<b>Number(s) of Paper Publication and Details</b>	1) Kumar, Bipin and Baraik, V. K (2021). Tribes at the Margin of Tribal Space: Urban Socio-Spatial Exclusion. SAGE Urbanisation, Vol. 6, Issue 2, 145-164. DOI: <a href="https://doi.org/10.1177%2F24557471211059986">https://doi.org/10.1177%2F24557471211059986</a> .  2) Kumar, Bipin and Baraik, V. K (2020). Non-Inclusive Tribal Workforce Participation in Urban Spaces: A Case Study of Jharkhand. National Geographical Journal of India, Vol. 66, No. 3, 208-221. DOI: 10.48008/ngji.1742																
<b>Date of Pre-PhD thesis Presentation</b>																	
	<b>Decision of SB</b>	<p>The list of Examiners for evaluation of thesis of Mr. Bipin Kumar (<b>Enrollment No. 179342302</b>) 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 not be circulated as a part of Minutes but be forwarded in a confidential cover to the Research Unit, IGNOU after the Minutes are approved.</p>															
	<b>SB 69.6.7</b>	<b>To consider and approve the Minutes of the Course Design Expert Committee Meeting of the course "Methods of Geographical Analysis: Quantitative and Qualitative" (MGGL-002, 04 credits) of second semester of M.Sc. Programme in Geography held on 25-03-2022.</b>	<b>Annexure 69.6.7</b>														
	<b>Matter for Discussion</b>	<p>The Geography Discipline Group had submitted the minutes of the Course Design Expert Committee Meeting of the course "Methods of Geographical Analysis: Quantitative and Qualitative" (MGGL-002, 04 credits) of second semester of M.Sc. Programme in Geography held on 25-03-2022.</p>															
	<b>Decision of SB</b>	<p>The School Board members deliberated on the syllabus of the lab course in detail. It was suggested that since the course is a lab course, the detailed theory component given in the course syllabus should be merged with the exercises, concerned. The Board suggested some modifications in the syllabus and approved the minutes along with the modified syllabus of the course as attached in annexure 69.6.7 for further consideration and approval of the Academic Council.</p>															
	<b>SB 69.6.8</b>	<b>To consider and approve the Minutes of the Course Design Expert Committee Meeting of the course "Environmental Geography" (MGG-007, 04 credits) of</b>															

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		<b>second semester of M.Sc. Programme in Geography held on 29-03-2022.</b>	
	<b>Matter for Discussion</b>	The Geography Discipline Group had submitted the minutes of the Course Design Expert Committee Meeting of the course "Environmental Geography" (MGG-007, 04 credits) of second semester of M.Sc. Programme in Geography held on 29-03-2022.	
	<b>Decision of SB</b>	The School Board members deliberated on the syllabus of the course and approved the minutes and the syllabus of the course for further consideration and approval of the Academic Council.	
	<b>SB 69.6.9</b>	<b>To consider and approve the Minutes of the Course Design Expert Committee Meeting of the course "Economic Geography" (MGG-006, 04 credits) of second semester of M.Sc. Programme in Geography held on 30-03-2022.</b>	<b>Annexure 68.6.9</b>
	<b>Matter for Discussion</b>	The Geography Discipline Group had submitted the minutes of the Course Design Expert Committee Meeting of the course "Economic Geography" (MGG-006, 04 credits) of second semester of M.Sc. Programme in Geography held on 30-03-2022.	
	<b>Decision of SB</b>	The School Board members deliberated on the syllabus of the course and approved the minutes and the syllabus of the course for further consideration and approval of the Academic Council.	
	<b>SB 69.6.10</b>	<b>To consider and approve the list of Paper Setters, Evaluators and Members of the Moderation Board for the elective course "Economic Geography" (BGGCET-142, Sixth Semester) of B.Sc. General with Geography courses.</b>	<b>Annexure- 69.6.10.1, 69.6.10.2 and 69.6.10.3.</b>
	<b>Matter for Discussion</b>	The Geography Discipline Group had submitted the name of the Paper Setters, Evaluators and Members of the Moderation Board for the elective course "Economic Geography" (BGGCET-142, Sixth Semester) of B.Sc. General Programme.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the additional lists of members of Moderation Board, Evaluators and Paper Setters for the elective course "Economic Geography" (BGGCET-142, Sixth Semester) of B.Sc. General with Geography Programme and recommended the names of experts for the approval of the competent authority.	
	<b>SB 69.6.11</b>	<b>To consider and approve the additional name of Editor for the course "Geomorphology" (MGG-002, First Semester) of M.Sc. Programme in Geography.</b>	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

	<b>Matter for Discussion</b>	The Geography Discipline Group had submitted the following name of additional editor for the course "Geomorphology" (MGG-002, First Semester) of M.Sc. Programme in Geography as follows.											
		<table><tr><td>S. No.</td><td>Name of Editor</td><td>Address</td><td>Phone/Email</td><td>Block</td></tr><tr><td>1.</td><td>Prof. H.S. Sharma (Retd. Professor of Geography University of Rajasthan)</td><td>A-3, Shanti Niketan Colony, Kishan Marg, Tonk Road, Jaipur Rajasthan-303015</td><td>Ph. No. 09983349022 email- pachhoral@yahoo.com</td><td></td></tr></table>	S. No.	Name of Editor	Address	Phone/Email	Block	1.	Prof. H.S. Sharma (Retd. Professor of Geography University of Rajasthan)	A-3, Shanti Niketan Colony, Kishan Marg, Tonk Road, Jaipur Rajasthan-303015	Ph. No. 09983349022 email- pachhoral@yahoo.com		
S. No.	Name of Editor	Address	Phone/Email	Block									
1.	Prof. H.S. Sharma (Retd. Professor of Geography University of Rajasthan)	A-3, Shanti Niketan Colony, Kishan Marg, Tonk Road, Jaipur Rajasthan-303015	Ph. No. 09983349022 email- pachhoral@yahoo.com										
	<b>Decision of SB</b>	The School Board of School of Sciences considered the additional name of Editor Prof. H.S. Sharma for the course "Geomorphology" (MGG-002, First Semester) of M.Sc. Programme in Geography and recommended the name for the approval of the competent authority.											
	<b>SB 69.6.12</b>	<b>To consider and approve the additional list of Course Writers for the course "Social Geography" (MGG-009, Third Semester) of M.Sc. Programme in Geography.</b>	<b>Annexure-69.6.12</b>										
	<b>Matter for Discussion</b>	The Geography Discipline Group had submitted the additional names of Course Writers for the course "Social Geography" (MGG-009, Third Semester) of M.Sc. Programme in Geography.											
	<b>Decision of SB</b>	The School Board of School of Sciences considered the additional names of Course Writers for the course "Social Geography" (MGG-009, Third semester) of M.Sc. Programme and recommended the names for the approval of the competent authority.											
	<b>SB 69.6.13</b>	<b>To consider and approve the list of Editors and Course Writers of the course "Methods of Geographical Analysis: Quantitative and Qualitative" (MGGL-002, 04 credits) of second semester of M.Sc. Programme in Geography.</b>	<b>Annexure-69.6.13.1</b>										
	<b>Matter for Discussion</b>	The Geography Discipline Group had submitted the lists of Editors and Unit Writers for the course "Methods of Geographical Analysis: Quantitative and Qualitative" of M.Sc. Programme in Geography is 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 the lists of Editors and Unit Writers for the course "Methods of Geographical Analysis: Quantitative and Qualitative" of M.Sc. Programme and recommended for the approval of the competent authority.											
	<b>SB 69.6.14</b>	<b>To consider and approve the list of Editors and Course Writers of the course "Environmental Geography" (MGG-007, 04 credits) of second semester of M.Sc. Programme in Geography.</b>	<b>Annexure-69.6.14.1</b>										
	<b>Matter for</b>	The Geography Discipline Group had submitted the lists of											

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

	<b>Discussion</b>	Editors and Unit Writers for the course "Environmental Geography" of M.Sc. Programme in Geography.															
	<b>Decision of SB</b>	The School Board of School of Sciences considered the lists of Editors and Unit Writers for the course "Environmental Geography" of M.Sc. Programme and recommended for the approval of the competent authority.															
	<b>SB 69.6.15</b>	<b>To consider and approve the list of Editors and Course Writers of the course "Economic Geography" (MGG-006, 04 credits) of second semester of M.Sc. Programme in Geography.</b>	<b>Annexure-69.6.15.1</b>														
	<b>Matter for Discussion</b>	The lists of Editors and Unit Writers for the course "Economic Geography" of M.Sc. Programme in Geography was 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 the lists of Editors and Unit Writers for the course "Economic Geography" of M.Sc. Programme and recommended the names for the approval of the competent authority.															
	<b>SB 69.6.16</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. thesis of Mr. Vinod Kumar (Enrolment No. 173101808, January, 2017 cycle), PhD research scholar, Discipline of Geography.</b>	<b>Confidential Cover</b>														
	<b>Matter for Discussion</b>	<div>The details of candidature of Mr. Vinod Kumar (Enrolment No. 173101808), PhD Scholar, Discipline of Geography are given below:<table><tr><td><b>Name</b></td><td>Mr. Vinod Kumar</td></tr><tr><td><b>Enrolment Number</b></td><td>173101808</td></tr><tr><td><b>Date of Registration</b></td><td>03-05-2017</td></tr><tr><td><b>Research Topic</b></td><td>"Impact Assessment of Green Revolution on Water Resources in Western Haryana Plains of Northern India"</td></tr><tr><td><b>Name(s) of Supervisor(s)</b></td><td>Dr. K. Nageswara Rao, Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidangarhi, New Delhi-110068.</td></tr><tr><td><b>Number(s) of Paper Publication and Details</b></td><td>Vinod Kumar and Nageswara Rao, K. (2021). Assessment of land use and land cover change (1974-2018) using geospatial techniques in western haryana plains of northern in India. Ecology, Environment and Conservation, Vol 27, Nov Suppl. Issue, 2021; Page No. 443-449.</td></tr><tr><td><b>Date of Pre-PhD thesis Presentation</b></td><td>Tentatively in April/May</td></tr></table><div>The list of Experts for Evaluation of thesis is provided in a Confidential Cover.</div></div>	<b>Name</b>	Mr. Vinod Kumar	<b>Enrolment Number</b>	173101808	<b>Date of Registration</b>	03-05-2017	<b>Research Topic</b>	"Impact Assessment of Green Revolution on Water Resources in Western Haryana Plains of Northern India"	<b>Name(s) of Supervisor(s)</b>	Dr. K. Nageswara Rao, Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidangarhi, New Delhi-110068.	<b>Number(s) of Paper Publication and Details</b>	Vinod Kumar and Nageswara Rao, K. (2021). Assessment of land use and land cover change (1974-2018) using geospatial techniques in western haryana plains of northern in India. Ecology, Environment and Conservation, Vol 27, Nov Suppl. Issue, 2021; Page No. 443-449.	<b>Date of Pre-PhD thesis Presentation</b>	Tentatively in April/May	
<b>Name</b>	Mr. Vinod Kumar																
<b>Enrolment Number</b>	173101808																
<b>Date of Registration</b>	03-05-2017																
<b>Research Topic</b>	"Impact Assessment of Green Revolution on Water Resources in Western Haryana Plains of Northern India"																
<b>Name(s) of Supervisor(s)</b>	Dr. K. Nageswara Rao, Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, Maidangarhi, New Delhi-110068.																
<b>Number(s) of Paper Publication and Details</b>	Vinod Kumar and Nageswara Rao, K. (2021). Assessment of land use and land cover change (1974-2018) using geospatial techniques in western haryana plains of northern in India. Ecology, Environment and Conservation, Vol 27, Nov Suppl. Issue, 2021; Page No. 443-449.																
<b>Date of Pre-PhD thesis Presentation</b>	Tentatively in April/May																
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Mr. Vinod Kumar ( <b>Enrollment No. 173101808</b> ) was read out before the Board members. One name in the list was changed due to domain expertee and an alternative name was included. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should not be circulated as a part of Minutes but be forwarded in a confidential cover to the Research Unit, IGNOU after the Minutes are approved.															

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

<b>SB 69.7</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Geology</u>.</b>		
	<b>SB 69.7.1</b>	<b>To consider and approve the Minutes of 57th Meeting of the Doctoral Research Committee of Geology held on 16th February, 2022.</b>	<b>SB 69.7.1</b>
	<b>Matter for Discussion</b>	The Geology Discipline Group conducted 57th Meeting of the Doctoral Research Committee of Geology on 16th February, 2022. The following items were discussed and finalized in the meeting. 1. Approval of the second Work-in-Progress Seminars of Mr. Rohit Kumar. 2. To review of six monthly progress reports of fourteen research scholars registered in PhD Geology programme.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the contents of the Minutes of 57th Meeting of the Doctoral Research Committee of Geology held on 16th February, 2022.	
	<b>SB 69.7.2</b>	<b>To consider and approve the Minutes of the meeting of the Expert Committee to design and develop the syllabi of third and fourth semester courses of M.Sc Geoinformatics programme held on 3rd March 2022.</b>	<b>Annexure- 69.7.2.1 and 69.7.2.2</b>
	<b>Matter for Discussion</b>	The Programme Proposal Form (PPF) for MSc Geoinformatics was approved by the School Board 67th Meeting of the School Board of the School of Sciences held on 22 <sup>nd</sup> July 2021 vide Item no. SB. 67.9.4 and subsequently in the 61st Meeting of the Planning Board held on 20th September 2021 vide Item APC 61.5. Programme structure of the MSc Geoinformatics and syllabi of the first year was approved as a PG Diploma by the 68th Meeting of the School Board of the School of Sciences held on 03rd December 2021 vide Item no. SB. 67.10.2. Further the Expert Committee meeting was held on 3rd March 2022 to design and develop the syllabi of third and fourth semester courses of M.Sc. Geoinformatics programme.	
	<b>Decision of SB</b>	After detailed deliberations, the School Board approved the Minutes and syllabus of the courses of MSc. Geoinformatics Programme.	
	<b>SB 69.7.3</b>	<b>To consider and approve the Minutes of the meeting of the Expert Committee for restructuring the overall programme structure of M.Sc. Geoinformatics programme held online on 31st March 2022.</b>	<b>Annexure- 69.7.3.1, 69.7.3.2 &amp; 69.7.3.3</b>
	<b>Matter for Discussion</b>	The Programme Proposal Form (PPF) for M.Sc. Geoinformatics was approved in the 67th Meeting of the School Board of School of Sciences held on 22nd July 2021 vide Item no. SB. 67.9.5 and subsequently in the 61st Meeting of the Planning Board held on 20th September 2021 vide Item APC 61.5. The overall programme structure and broad syllabi of M.Sc. Geoinformatics programme was designed in the expert meetings held on 28th October 2021, 1st and 2nd November	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		<p>2021. The Minutes of these meetings have been approved in 68th Meeting of the School Board of School of Sciences held on 3rd December 2021 vide Item no. SB. 68.10.1 and 68.10.2. Subsequently, an Expert Committee meeting was held on 3rd March 2022 to design the third and fourth semester courses of M.Sc. Geoinformatics programme, the minutes of which are being placed in this School Board meeting.</p> <p>Another meeting of the Expert Committee to restructure the M.Sc. Geoinformatics programme as per UGC guidelines was held online on 31st March 2022. The Minutes of the Expert Committee meeting (Annexure-69.7.3.1) along with the overall programme structure (Annexure-69.7.3.2) and syllabi (Annexure-69.7.3.3) of M.Sc. Geoinformatics programme was placed.</p>	
	<b>Decision of SB</b>	After detailed deliberations, the School Board approved the Minutes and the overall structure with modification in 6 credit Lab courses. The Board approved the modified structure as annexured in Annexure-69.7.3.1, 69.7.3.2 & 69.7.3.3.	
	<b>SB 69.7.4</b>	<b>To consider and approve the list of editors and course writers for the third and fourth semester courses of M.Sc. in Geoinformatics Programme.</b>	<b>SB 69.7.4</b>
	<b>Matter for Discussion</b>	<p>The Geology Discipline Group had submitted the list of editors and course writers for the third and fourth semester courses of M.Sc. in Geoinformatics Programme.</p> <p>The Geology Discipline is developing M.Sc. in Geoinformatics. The Programme Proposal Form (PPF) for M.Sc. in Geoinformatics was approved School Board 67th Meeting of the School Board of the School of Sciences held on 22nd July 2021 vide Item no. SB. 67.9.5 and subsequently in the 61st Meeting of the Planning Board held on 20th September 2021 vide Item APC 61.5.</p> <p>In this context the meeting of the Expert Committee to design and develop the syllabi of third and fourth semester courses of M.Sc. in Geoinformatics was held on 3rd March 2022. The list of course writers and editors 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 the list of editors and course writers for the third and fourth semester courses of M.Sc. in Geoinformatics Programme and recommended the lists for the approval of the competent authority.	
	<b>SB 69.7.5</b>	<b>To consider and approve the Programme Development Form (PDF) and Programme Project Report (PPR) for M.Sc. Geoinformatics programme.</b>	<b>SB 69.7.5</b>
	<b>Matter for Discussion</b>	<p>The Geology Discipline Group had submitted the Programme Development Form (PDF) and the Programme Project Report (PPR) for Postgraduate Diploma in Geoinformatics programme.</p> <p>The Geology Discipline is developing M.Sc. in Geoinformatics</p>	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		programme. The Programme Proposal Form (PPF) for M.Sc. Geoinformatics was approved in the 67th Meeting of the School Board of the School of Sciences held on 22 <sup>nd</sup> July 2021 vide Item no. SB. 67.9.5 and subsequently in the 61st Meeting of the Planning Board held on 20th September 2021 vide Item APC 61.5. The Programme Development Form (PDF) and Programme Project Form (PPR) are placed before the School Board for its consideration and approval.	
	<b>Decision of SB</b>	The School Board deliberated in details on all aspects of development and implementation of the programme as stated in the PDF and PPR. The school board then approved the Programme Development form and Programme Project Report for M.Sc. Geoinformatics Programme for further consideration and approval of Academic Council.	
<b>SB 69.8 (Life Sciences)</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Life Sciences</u>.</b>		
	<b>SB 69.8.1</b>	<b>To consider and approve the Minutes of the meeting of the Programme Expert Committee for M. Sc. (Zoology) Programme held on 20th January 2022.</b>	<b>Annexure 69.8.1.1</b>
	<b>Matter for Discussion</b>	The Life Sciences Discipline is developing the Master's Degree Programme in Zoology. The Programme Proposal Form (PPF) for the M.Sc. (Zoology) Programme was approved in the 68th meeting of the School Board of the School of Sciences and the subsequent meeting of the Academic Programmes Committee (APC) of the Planning Board held on 16th December 2021. A meeting of the Programme Expert Committee for M. Sc (Zoology) was held on 20th January 2022 at 11.00 AM in the virtual mode, to finalise the structure and syllabi for the M.Sc. (Zoology) Programme.  The Minutes of the meeting of the Programme Expert Committee (Annexure 69.8.1.1) for M. Sc. (Zoology) comprising the structure of the Programme, the syllabi and the unitised syllabi of the courses of the Programme, as finalised in the Expert Committee meeting were placed.	
	<b>Decision of SB</b>	The School Board members deliberated on the syllabus of the course and approved the minutes and the syllabus of the course for further consideration and approval of the Academic Council.	
	<b>SB 69.8.2</b>	<b>To consider and approve the Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Zoology) Programme.</b>	
	<b>Matter for Discussion</b>	The Life Sciences Discipline is in the process of developing M.Sc. (Zoology) Programme. The Programme Proposal Form (PPF) for the M.Sc. (Zoology) Programme was approved in the 68th Meeting of the School Board of the School of Sciences on 3rd December 2021 and the 62nd Meeting of the Academic Programmes Committee (APC) of the Planning Board on 16th December 2021. The Programme Development Form (PDF) (Annexure 69.8.2.1) and the Programme Project Report (PPR) (Annexure 69.8.2.2)	<b>Annexure 69.11.2.1</b>

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		for the M. Sc. (Zoology) Programme were placed for consideration and approval of the School Board.																	
	<b>Decision of SB</b>	The School Board deliberated in details on all aspects of development and implementation of the programme as stated in the PDF and PPR. The school board then approved the Programme Development form and Programme Project Report for the M.Sc. (Zoology) Programme for further consideration and approval of the Academic Council.																	
	<b>SB 69.8.3</b>	<b>To consider and recommend the list of course writers for the M.Sc. (Zoology) Programme.</b>	<b>Annexure 69.8.3.1</b>																
	<b>Matter for Discussion</b>	<p>The Life Sciences Discipline Group had submitted the list of course writers for the M.Sc. (Zoology) Programme.</p> <p>The Life Sciences Discipline is in the process of developing the Masters degree programme in Zoology. A meeting of the Programme Expert Committee for M. Sc (Zoology) was held on 20th January 2022, to finalise the structure and syllabi for the M.Sc. (Zoology) Programme.</p> <p>The list of course writers for different courses of the M. Sc. (Zoology) Programme was placed before the School Board of the School of Sciences for its consideration and recommendation.</p>																	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the list of course writers for the M.Sc. (Zoology) Programme and recommended the list for the approval of the competent authority.																	
	<b>SB 69.8.4</b>	<b>To consider and approve the list of examiners for the thesis of Ms. Taranjeet Kaur, (Enl. No. 173101901) PhD scholar in Life Sciences.</b>	<b>Confidential Cover</b>																
	<b>Matter for Discussion</b>	<p>The Life Sciences Discipline Group had submitted the list of examiners for the thesis of Ms. Taranjeet Kaur, PhD scholar in Life Sciences. The title of the thesis is "Studies on pyrethroid resistance mechanisms in Aedes aegypti".</p> <table border="1"><tr><th colspan="2">Details of the student</th></tr><tr><td>1.</td><td>Name: Taranjeet Kaur</td></tr><tr><td>2.</td><td>Enrolment number:173101901</td></tr><tr><td>3.</td><td>Date of registration: January 2017</td></tr><tr><td>4.</td><td>Topic:Studies on pyrethroid resistance mechanisms in Aedes aegypti.</td></tr><tr><td>5.</td><td>Supervisor (Internal/External):  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>6.</td><td>Pre-Thesis Seminar: Held on 20th December, 2021</td></tr><tr><td>7.</td><td>No. of Publications:  1. Kushwah RBS, Kaur T, Dykes CL, Kapoor N, Singh OP. A new knockdown resistance (kdr) mutation F1534Lin an Aedes aegypti population co-occurring with F1534C, S989P and V1016G. Parasites &amp; Vectors. 2020; 13:327.  2. Om P Singh; Shobhna Mishra; Taranjeet Kaur; U. Sreehari; Neera Kapoor; Gunjan Sharma. Evaluation of odorant-binding protein-1 as a molecular marker for identifying biological forms and delimitating sibling species of Anopheles stephensi. (Communicated)</td></tr></table>	Details of the student		1.	Name: Taranjeet Kaur	2.	Enrolment number:173101901	3.	Date of registration: January 2017	4.	Topic:Studies on pyrethroid resistance mechanisms in Aedes aegypti.	5.	Supervisor (Internal/External):  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	6.	Pre-Thesis Seminar: Held on 20th December, 2021	7.	No. of Publications:  1. Kushwah RBS, Kaur T, Dykes CL, Kapoor N, Singh OP. A new knockdown resistance (kdr) mutation F1534Lin an Aedes aegypti population co-occurring with F1534C, S989P and V1016G. Parasites & Vectors. 2020; 13:327.  2. Om P Singh; Shobhna Mishra; Taranjeet Kaur; U. Sreehari; Neera Kapoor; Gunjan Sharma. Evaluation of odorant-binding protein-1 as a molecular marker for identifying biological forms and delimitating sibling species of Anopheles stephensi. (Communicated)	
Details of the student																			
1.	Name: Taranjeet Kaur																		
2.	Enrolment number:173101901																		
3.	Date of registration: January 2017																		
4.	Topic:Studies on pyrethroid resistance mechanisms in Aedes aegypti.																		
5.	Supervisor (Internal/External):  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																		
6.	Pre-Thesis Seminar: Held on 20th December, 2021																		
7.	No. of Publications:  1. Kushwah RBS, Kaur T, Dykes CL, Kapoor N, Singh OP. A new knockdown resistance (kdr) mutation F1534Lin an Aedes aegypti population co-occurring with F1534C, S989P and V1016G. Parasites & Vectors. 2020; 13:327.  2. Om P Singh; Shobhna Mishra; Taranjeet Kaur; U. Sreehari; Neera Kapoor; Gunjan Sharma. Evaluation of odorant-binding protein-1 as a molecular marker for identifying biological forms and delimitating sibling species of Anopheles stephensi. (Communicated)																		

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		The list of Examiners for Evaluation of thesis was provided in a Confidential Cover.	
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Ms. Taranjeet Kaur ( <b>Enrollment No. 173101901</b> ) 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 not be circulated as a part of Minutes but be forwarded in a confidential cover to the Research Unit, IGNOU after the Minutes are approved.	
	<b>SB 69.8.5</b>	<b>To consider and approve the list of examiners for the thesis of Mr. Jawaidd Sarver, (Enrl. No. 188500704) PhD Scholar in Life Sciences.</b>	<b>Confidential Cover</b>
	<b>Matter for Discussion</b>	<p>The Life Sciences Discipline Group has submitted the list of examiners for the thesis of Mr. Jawaidd Sarver, (Enrl. No. 188500704) PhD Scholar in Life Sciences. The title of the thesis is "Ethnobotanical studies of District Udhampur, J&amp;K."</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Details of Mr. Jawaidd Sarver</b>  <b>Enrolment Number:188500704</b></p> <p>1. <b>Date of Registration: July 2018</b>  2. <b>Topic: "Ethnobotanical studies of District Udhampur, J&amp;K."</b>  3. <b>Supervisor:</b> Prof. Amrita Nigam,  School of Sciences,  IGNOU, Maidan Garhi,  New Delhi-110068  and  Dr. Swaran Singh,  Asst. Professor,  Department of Botany,  Govt. PG College Udhampur</p> <p>4. <b>Date of Pre-PhD thesis submission seminar before Doctoral Committee:</b>  21<sup>st</sup> March, 22.</p> <p>5. <b>Number of Publications:</b>  i) Wild edible plants of Latti-Dudu Valley of District Udhampur of J&amp;K state - A part of NW Himalayas" published in International Journal of Botany Studies in Volume 5, issue 6, 2020, page no. 586-592.  ii) Floristic diversity and Ethnobotany of District Udhampur (J&amp;K) India-a part of NW Himalayas. Communicated (ASIAN JOURNAL OF CONSERVATION BIOLOGY)  iii) Participated in 3 days International Conference on Water conservation held at Govt. PG College Udhampur J&amp;K, w.e.f. Feb. 29, 2020, to March 2, 2020. Presented a paper entitled "Role of Forest and trees in the conservation of water and regulation of water cycle" in three days international Conference organized by GDC, Udhampur w.e.f. Feb 29, 2020, to March 2, 2020.</p> </div> <p>The list of Examiners for Evaluation of thesis was provided in a <b>Confidential Cover</b>.</p>	
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of <b>Mr. Jawaidd Sarver, (Enrl. No. 188500704)</b> 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 not be circulated as a part of Minutes but be forwarded in a confidential cover to the Research Unit, IGNOU after the Minutes are approved.	
	<b>SB 69.8.6</b>	<b>To consider and approve the list of examiners for the thesis of Ms. Kumari Anjali, (Enrl. No. 188500696) PhD Scholar in Life Sciences.</b>	<b>Confidential Cover</b>
	<b>Matter for Discussion</b>	The Life Sciences Discipline Group had submitted the list of examiners for the thesis of Ms. Kumari Anjali, (Enrl. No. 188500696) PhD Scholar in Life Sciences. The title of the	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		<p>thesis is "Assessment of Carbon Sequestration Potential of Indira Gandhi National Open University Campus New Delhi."</p> <div> <p><b>Details of Ms. Kumari Anjali</b> <b>Enrolment Number: 188500696</b></p> <p>1. <b>Date of Registration: July, 2018</b></p> <p>2. <b>Topic:</b> Assessment of Carbon Sequestration Potential of Indira Gandhi National Open University Campus New Delhi</p> <p>3. <b>Supervisor:</b> Prof. Amrita Nigam, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068 and Dr. Y.S.C. Khuman Assistant Professor School of Interdisciplinary &amp; Trans-disciplinary Studies IGNOU, Maidan Garhi, New Delhi-110068</p> <p>4. <b>Date of Pre-PhD thesis submission seminar before Doctoral Committee:</b> 21<sup>st</sup> March, 22.</p> <p>5. <b>Number of Publications:</b></p> <p>1. "A Review of the Interrelations of Terrestrial Carbon sequestration and Urban forests" which got published in the Journal AIMS Environmental Sciences indexed in UGC care and scopes.</p> <p>2. Assessment of Biomass and Carbon stock of Trees within the Campus of IGNOU; New Delhi (India) is accepted for publication in the Journal SAFER sustainability, Agri, Food and Environmental Research under UGC care.</p> <p>3. Phytosociological Assessment of vegetation at Indira Gandhi National Open University, New Delhi. Sustainability, Agri, Food and Environmental Research. (Communicated). Participating and Presentation on National Seminar on "Changing Business Environment in India: Challenges and Opportunities" conducted by Shyma Prasad Mukherji College for Women, the University of Delhi sponsored by UGC on 28<sup>th</sup> – 29<sup>th</sup> Feb., 2020.</p> </div> <p>The list of Examiners for Evaluation of thesis is provided in a <b>Confidential Cover</b>.</p>	
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of <b>Ms. Kumar Anjali, (Enrl. No. 188500696)</b> 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 not be circulated as a part of Minutes but be forwarded in a confidential cover to the Research Unit, IGNOU after the Minutes are approved.	
	<b>SB 69.8.7</b>	<b>To consider and approve the list of examiners for the thesis of Mr. Naresh Kumar, (Enrl. No. 188500768) PhD Scholar in Life Sciences.</b>	<b>Confidential Cover</b>
	<b>Matter for Discussion</b>	<p>The Life Sciences Discipline Group had submitted the list of examiners for the thesis of Mr. Naresh Kumar, (Enrl. No. 188500768) PhD Scholar in Life Sciences. The title of the thesis is "Studies on genetic variability for qualitative and quantitative traits of some selected genotypes of Carrot (<i>Daucuscarota</i> L.) cultivated in North-Eastern part of Rajasthan."</p> <div> <p><b>Details of Mr. Naresh Kumar</b> <b>Enrolment Number: 188500768</b></p> <p>1. <b>Date of Registration: July 2018</b></p> <p>2. <b>Topic:</b> "Studies on genetic variability for qualitative and quantitative traits of some selected genotypes of Carrot (<i>Daucuscarota</i> L.) cultivated in North-Eastern part of Rajasthan."</p> <p>3. <b>Supervisor:</b> Prof. Amrita Nigam, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068 and Dr. Akshay Pathak Prof. Plant Pathology (Agriculture) GLM Agriculture College – Kishangarh Bas SKN Agriculture University, Jobner (Jaipur) Rajasthan</p> </div>	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		<p><b>4. Date of Pre-PhD thesis submission seminar before Doctoral Committee:</b> 21<sup>st</sup> March, 22.</p> <p><b>5. Number of Publications:</b></p> <ol style="list-style-type: none"> <li>1. Studied of carrot (<i>Daucus carota</i> L.) genotypes for their root quality, yield and nutritive characters under North-Eastern part of Rajasthan, International Journal of Chemical Studies 2020; 8(6): 2666-2671.</li> <li>2. Studied on genetic variability, heritability and genetic advance in some cultivated genotypes of carrot (<i>Daucus carota</i> L.) under two different seasons, The pharma Innovation Journal 2021; 10(1): 324-335.</li> </ol>	
		The list of Examiners for Evaluation of thesis is provided in a <b>Confidential Cover.</b>	
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of <b>Mr. Naresh Kumar, (Enrl. No. 188500768)</b> 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 not be circulated as a part of Minutes but be forwarded in a confidential cover to the Research Unit, IGNOU after the Minutes are approved.	
	<b>SB 69.8.8</b>	<b>To consider and approve the Cancellation of Mr. Akhaya Kumar Behera (Enrl. No. 173102745), PhD Student of Life Sciences.</b>	
	<b>Matter for Discussion</b>	Mr. Akhaya Kumar Behera (Enrl. No. 173102745) is a PhD student of Life Sciences. The Research Supervisor informed that the last progress report submitted by him was on 16th March 2020. He had not submitted his progress report from July 2020 to December 2021. Reminders had been sent to him through registered post to join Life Sciences Lab immediately but he did not attend for any lab. The matter was placed before Doctoral Research Committee held on 08.02.2022.	
	<b>Decision of SB</b>	After detailed deliberations, the School Board approved the Minutes of the DRC and recommended the cancellation of the registration of the student for further consideration and approval of the Research Council.	
	<b>SB 69.8.9</b>	<b>To consider and approve the transfer of three students of Prof. Bano Saidullah (Superannuated in May 2020) to Prof. Amrita Nigam as she has vacant positions for PhD research students of Life Sciences along with the minutes of the DRC held on 08.10.2020.</b>	
	<b>Matter for Discussion</b>	The Life Sciences Discipline Group had submitted the recommendation of the change of internal supervisor of three students ( <b>Ms. Rashmi Kumari, Ms. Priyanka Rajput and Ms. Nisha Kacchap</b> ) of Prof. Bano Saidullah (Superannuated in May 2020) to Prof. Amrita Nigam since only she had vacant positions for PhD research students of Life Sciences. The matter was placed before the DRC Meeting held on 08.10.2020 and the DRC had recommended the change of supervisor. The minutes of the meeting was also approved in the School Board Standing Committee held on 04/03/2022 and approved in the subsequent meeting of the School Board held on 10 <sup>th</sup> December 2020. The details of the students are as given below:	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		<table border="1"> <thead> <tr> <th>Sl. No.</th><th>Name &amp; Enrl. No. of Student</th><th>Title of Ph.D thesis</th><th>Supervisor/supervisors</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Ms. Rashmi Kumari (Enrl. 173101926)</td><td>Studies on single nucleotide polymorphism of PARKIN gene in cancer.</td><td>Prof. Amrita Nigam &amp; Prof. Mushahid Alam Rizvi Department of Biosciences Jamia Millia Islamia New Delhi-110025</td></tr> <tr> <td>2.</td><td>Kumari Nisha Kachhap (Enrl. 173101958)</td><td>To study the protective role of antioxidants against arsenic induced hepatic, renal and neurotoxicity in Wistar rats.</td><td>Prof. Amrita Nigam &amp; Dr. Parvesh Buber Discipline of Biochemistry, School of Sciences, IGNOU, New Delhi</td></tr> <tr> <td>2.</td><td>Ms. Priyanka Rajput (Enrl. 188500711)</td><td>Role of diosmin in hepatocellular carcinoma: a cellular and molecular approach.</td><td>Prof. Amrita Nigam &amp; Prof. Mushahid Alam Rizvi Department of Biosciences Jamia Millia Islamia New Delhi-110025</td></tr> </tbody> </table> <p>In inadvertently the item was not sent for placing in the Research Council.</p> <p>It is now placed before the School Board for consideration and further course of action.</p>	Sl. No.	Name & Enrl. No. of Student	Title of Ph.D thesis	Supervisor/supervisors	1.	Ms. Rashmi Kumari (Enrl. 173101926)	Studies on single nucleotide polymorphism of PARKIN gene in cancer.	Prof. Amrita Nigam & Prof. Mushahid Alam Rizvi Department of Biosciences Jamia Millia Islamia New Delhi-110025	2.	Kumari Nisha Kachhap (Enrl. 173101958)	To study the protective role of antioxidants against arsenic induced hepatic, renal and neurotoxicity in Wistar rats.	Prof. Amrita Nigam & Dr. Parvesh Buber Discipline of Biochemistry, School of Sciences, IGNOU, New Delhi	2.	Ms. Priyanka Rajput (Enrl. 188500711)	Role of diosmin in hepatocellular carcinoma: a cellular and molecular approach.	Prof. Amrita Nigam & Prof. Mushahid Alam Rizvi Department of Biosciences Jamia Millia Islamia New Delhi-110025	
Sl. No.	Name & Enrl. No. of Student	Title of Ph.D thesis	Supervisor/supervisors																
1.	Ms. Rashmi Kumari (Enrl. 173101926)	Studies on single nucleotide polymorphism of PARKIN gene in cancer.	Prof. Amrita Nigam & Prof. Mushahid Alam Rizvi Department of Biosciences Jamia Millia Islamia New Delhi-110025																
2.	Kumari Nisha Kachhap (Enrl. 173101958)	To study the protective role of antioxidants against arsenic induced hepatic, renal and neurotoxicity in Wistar rats.	Prof. Amrita Nigam & Dr. Parvesh Buber Discipline of Biochemistry, School of Sciences, IGNOU, New Delhi																
2.	Ms. Priyanka Rajput (Enrl. 188500711)	Role of diosmin in hepatocellular carcinoma: a cellular and molecular approach.	Prof. Amrita Nigam & Prof. Mushahid Alam Rizvi Department of Biosciences Jamia Millia Islamia New Delhi-110025																
	<b>Decision of SB</b>	The members deliberated the issue in detail. It was observed that Prof. Amrita Nigam will be superannuating by October 2022 and therefore under clause 7.1 PhD Guidelines 2020 of Research Guidelines she cannot be allotted any student for supervision. Also new faculty members are approved as Research Supervisors, therefore the matter was referred back for further consideration of the Doctoral Research Committee.																	
	<b>SB 69.8.10</b>	<b>To consider and approve the Minutes of the meeting of Doctoral Research Committee for assessment of pre-thesis seminar of three Scholars of PHDLS held on 22nd March 2022</b>																	
	<b>Matter for Discussion</b>	<p>The Life Sciences Discipline Group had submitted the Minutes of the meeting of Doctoral Research Committee held for the assessment of pre-thesis seminar of three Scholars of PHDLS held on 22nd March 2022.</p> <p>Names and Enrolment numbers of the PhD Scholars whose pre-thesis seminar was assessed are given below:</p> <ol style="list-style-type: none"> <li>1. Mr. Jawaid Sarver (Enrl. No.:188500704)</li> <li>2. Ms. Kumari Anjali (Enrl. No.: 188500696)</li> <li>3. Mr. Naresh Kumar (Enrl. No.:188500768)</li> </ol>																	
	<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 three Scholars of PHDLS.																	
<b>SB 69.9 (Mathematics)</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Mathematics.</u></b>																		
<b>SB 69.9.1</b>	<b>To consider and approve the panel of experts for the Doctoral Research Committee for Mathematics.</b>		<b>SB 69.9.1.1</b>																
	<b>Matter for Discussion</b>	The Discipline of Statistics had submitted the Revised Panel of Experts for Doctoral Research Committee of																	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		Ph.D. Programme in Mathematics for consideration and approval of the school Board.	
	<b>Decision of SB</b>	After deliberation, the School Board approved the Revised Panel of Experts for Doctoral Research Committee of Ph.D. Programme in Mathematics.	
<b>SB 69.9.2</b>	<b>To consider and approve the additional list of examiners for the Project component (MMTP-001) in the M.Sc. (MACS) programme.</b>		<b>SB 69.9.2.1</b>
	<b>Matter for Discussion</b>	The mathematics discipline group had submitted the additional list of examiners for the Project component (MMTP-001) in the M.Sc. (MACS) programme for consideration and approval of the School Board of School of Sciences.	
	<b>Decision of SB</b>	After deliberation, the School Board approved the additional list of examiners for the Project component (MMTP-001) in the M.Sc. (MACS) programme.	
<b>SB 69.9.3</b>	<b>To consider and approve the Programme Revision Form of the coursework of Ph.D. Mathematics programme.</b>		<b>SB 69.9.3.1</b>
	<b>Matter for Discussion</b>	<p>The mathematics discipline group has submitted the Programme Revision Form of the coursework of Ph.D. Mathematics programme.</p> <p>Recently, two faculty members (Dr. Pawan Kumar and Dr. Suvankar Biswas) had been approved as research supervisors. Therefore, two more elective courses namely Graph Theory and Differential Equations are to be added in the course work.</p> <p>An Expert Committee Doctoral Research meeting of the Ph.D. Mathematics programme was held on March 25, 2022, to design the syllabi of two Pre-Ph.D. Elective Courses of Ph.D. Mathematics programme as per UGC 2016 regulations. The Programme Revision form of the Ph.D. in Mathematics programme was approved in the 61st School Board of School of Sciences held on May 21, 2018 and 71st Academic Council held on January 22, 2019.</p> <p>The Programme Revision Form of Ph.D. Mathematics programme for adding two Pre-Ph.D. Elective Courses was placed before the 69th School Board of School of Sciences for consideration and approval.</p>	
	<b>Decision of SB</b>	After deliberation, the School Board approved Programme Revision Form of the coursework of Ph.D. Mathematics programme for further consideration and approval of the Academic Council.	
<b>SB 69.10 (Physics)</b>	<b>To consider and approve agenda items pertaining to <u>Discipline of Physics</u>.</b>		
<b>SB 69.10.1</b>	<b>To consider and approve the minutes of the Meeting of the Doctoral Research Committee of Physics, held on 02-03-2022.</b>		<b>SB 69.10.1</b>
	<b>Matter for Discussion</b>	The minutes of the Meeting of the Doctoral Research Committee of Physics were placed for the consideration and approval of the School Board.	

		<p>A meeting of the Doctoral Research Committee (DRC) of Physics was held in the virtual mode on March 2, 2022 to deliberate on the following agenda items:</p> <ul style="list-style-type: none"> <li>• <b>To finalise the Syllabus for the Entrance Examination for admission to the Ph.D. (Physics) Programme</b></li> <li>• <b>To consider the name of Dr. M. B. Newmai, Assistant Professor in Physics, as a Research Supervisor for the Research Degree Programme(s) in Physics</b></li> </ul> <p>The syllabus for the Entrance Examination for admission to PH. D. programme in Physics was finalised in the meeting and the DRC recommended the name of Dr. M. B. Newmai, Assistant Professor in Physics, as a Research Supervisor for Research Degree Programme(s) in Physics, IGNOU.</p> <p>The minutes of the Meeting of the Doctoral Research Committee of Physics were placed for the consideration and approval of the School Board.</p>	
	<b>Decision of SB</b>	After detailed deliberation, the School Board of School of Sciences approved the Minutes.	
<b>SB 69.10.2</b>	<b>To consider and approve the syllabus for the Entrance Examination for admission to the Ph.D.(Physics) Programme of IGNOU</b>		<b>SB 69.10.2</b>
	<b>Matter for Discussion</b>	<p>The Physics Discipline Group had submitted the syllabus for the Entrance Examination for admission to the Ph.D.(Physics) Programme of IGNOU.</p> <p>The syllabus for the Entrance Examination for admission to the Ph.D.(Physics) Programme was finalised in the meeting of the Doctoral Research Committee (DRC) of Physics held on 02-03-2022.</p> <p>The finalised syllabus recommended by DRC was placed at Annexure I for the consideration and approval of the School Board</p>	
	<b>Decision of SB</b>	After detailed deliberation, the School Board of School of Sciences approved the syllabus for the Entrance Examination for admission to the Ph.D.(Physics) Programme.	
<b>SB 69.10.3</b>	<b>To consider and recommend the name of Dr. M. B. Newmai, Assistant Professor in Physics, as a Research Supervisor for Research Degree Programme(s) in Physics, IGNOU</b>		
	<b>Matter for Discussion</b>	<p>The Physics Discipline Group had submitted the name of Dr. M. B. Newmai, Assistant Professor in Physics, as a Research Supervisor for Research Degree Programme(s) in Physics, IGNOU</p> <p>Dr. M. B. Newmai joined the faculty of School of Sciences in 2021 as Assistant Professor in Physics. The name of Dr. Newmai was considered and recommended as a Research Supervisor for the Research Degree Programme(s) in Physics in the meeting of the Doctoral Research Committee (DRC) of</p>	<b>SB 69.10.3</b>

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		Physics held on 02-03-2022. The CV of Dr. M. B. Newmai was placed at Annexure I for the consideration of the School Board to be recommended as a Research Supervisor for Research Degree Programme(s) in Physics, IGNOU.	
	<b>Decision of SB</b>	After detailed deliberations, the School Board recommended the name of Dr. M. B. Newmai, Assistant Professor in Physics, as a Research Supervisor for Research Degree Programme(s) for further consideration and approval of the Research Council.	
<b>SB 69.11 (Statistics)</b>	<b>To consider and approve agenda Item pertaining to the <u>Discipline of Statistics.</u></b>		
	<b>SB 69.11.1</b>	<b>To consider and recommend the minutes of the 2nd Programme Expert Committee meeting of M.Sc. in Applied Statistics held on March 28, 2022.</b>	<b>Annexure-69.11.1.1 &amp; 69.11.1.2</b>
	<b>Matter for Discussion</b>	The Programme Proposal Form (PPF) for M.Sc. in Applied Statistics was approved in the 67th Meeting of the School Board of School of Sciences held on 22nd July 2021 and subsequently in the 61st Meeting of the Planning Board held on 20th September 2021. The overall programme structure and broad syllabi of M.Sc. in Applied Statistics programme was designed in the expert meetings held on November 8-9, 2021. The minutes of this meeting has been approved in 68th Meeting of the School Board of School of Sciences held on 3rd December 2021. The 2nd meeting of the Programme Expert Committee to restructure the M.Sc. in Applied Statistics programme and to design the syllabus of Research Methodology course worth 4 credits as per UGC guidelines was held online on 28th March 2022. The minutes of the Expert Committee meeting (Annexure-A) along with the overall programme structure (Annexure-1) of M.Sc. in Applied Statistics programme was placed.	
	<b>Decision of SB</b>	After detailed deliberations, the School Board approved the Minutes, revised programme structure and syllabus of the courses of M.Sc. in Applied Statistics Programme.	
	<b>SB 69.11.2</b>	<b>To consider and recommend the Programme Development Form (PDF) and PPR of M.Sc. in Applied Statistics programme.</b>	<b>Annexure-69.11.2.1, 69.11.2.2 &amp; 69.11.2.3</b>
	<b>Matter for Discussion</b>	The Statistics Discipline Group had submitted the minutes of the Programme Expert Committee meeting of M.Sc. in Applied Statistics Programme. The Programme Proposal Form (PPF) of M.Sc. in Applied Statistics programme has been approved in the 67th School Board of School of Sciences held on July 22, 2021 ( <b>Annexure-69.11.2.1</b> ) and 61st APC held on September 20, 2021 ( <b>Annexure-69.11.2.2</b> ). Discipline	

		of Statistics has conducted an Expert Committee meeting on November 8-9, 2021 to design the syllabi of all the Courses of the programme. The minutes of the Programme Expert Committee meeting of M.Sc. in Applied Statistics have been approved by 68th School Board of School of Sciences held on December 3, 2021 ( <b>Annexure-69.11.2.3</b> ). The Programme Development Form (PDF) of M.Sc. in Applied Statistics programme	
	<b>Decision of SB</b>	The School Board deliberated in details on all aspects of development and implementation of the programme as stated in the PDF and PPR. The school board then approved the Programme Development form and Programme Project Report for the M.Sc. in Applied Statistics Programme for further consideration and approval of the Academic Council.	
	<b>SB 69.11.3</b>	<b>To consider and recommend the lists of Course Writers of all Theory and Lab Courses of M.Sc. in Applied Statistics programme.</b>	<b>Annexure 69.11.3.1</b>
	<b>Matter for Discussion</b>	The Statistics Discipline Group had submitted the lists of Course Writers of all Theory and Lab Courses of M.Sc. in Applied Statistics programme.  The lists of the Course Writers of all Theory and Lab Courses of M.Sc. in Applied Statistics are placed before the 69th School Board of School of Sciences for consideration and approval.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the the lists of Course Writers of all Theory and Lab Courses of M.Sc. in Applied Statistics programme and recommended the name for the approval of the competent authority.	
	<b>SB 69.11.4</b>	<b>To consider and recommend the lists of Course Editors of all Theory and Lab Courses of M.Sc. in Applied Statistics programme.</b>	
	<b>Matter for Discussion</b>	The Statistics Discipline Group had submitted the lists of Course Editors of all Theory and Lab Courses of M.Sc. in Applied Statistics programme.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered the lists of Course Editors of all Theory and Lab Courses of M.Sc. in Applied Statistics programme and recommended the names for the approval of the competent authority.	
	<b>SB 69.11.5</b>	<b>To consider and recommend the minutes of the 20th Doctoral Committee Meeting of Ph. D. in Statistics programme going to held on April 1, 2022.</b>	
	<b>Matter for Discussion</b>	A meeting of the Doctoral Committee in Statistics was held on <b>April 1, 2022</b> to review the pre-thesis	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		submission seminar of research scholar Ms. Menakshi Pachori (Enrollment No. 179342563) registered in Ph.D. in Statistics programme.	
	<b>Decision of SB</b>	After detailed deliberation, the School Board of School of Sciences approved the Minutes of DRC.	
	<b>SB 69.11.6</b>	To consider and approve the list of examiners for Ph.D. thesis of <b>Ms. Menakshi Pachori (Enroll. No. 179342563)</b> on the Topic " <b>Some Contributions to Calibration Approach for Estimation of Finite Population Mean</b> " research scholar of Ph.D. programme in Statistics.	
	<b>Matter for Discussion</b>	<p>Ms. Menakshi Pachori had submitted her eight six-monthly progress reports. The progress reports have been found satisfactory by the Doctoral Committees.</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Details of Ms. Menakshi Pachori</b></p> <ol style="list-style-type: none"> <li><b>1. Enrollment No.:</b> 179342563</li> <li><b>2. Date of Registration:</b> July, 2017</li> <li><b>3. Topic:</b> Some Contributions to Calibration Approach for Estimation of Finite Population Mean.</li> <li><b>4. Supervisors:</b> Dr. Neha Garg, School of Sciences, IGNOU, New Delhi</li> <li><b>5. Date of Pre-Ph.D. Thesis Seminar:</b> April 01, 2022.</li> <li><b>6. Publications: Four</b> <ol style="list-style-type: none"> <li>Garg, N. and Pachori, M. (2019). Calibration estimation of population mean in stratified sampling using coefficient of skewness. <i>International Journal of Agricultural and Statistical Sciences</i>, 15(1), 211-219.</li> <li>Garg, N. and Pachori, M. (2019). Use of Median in Calibration Estimation of the Finite Population Mean in Stratified Sampling. <i>International Journal of Computer Sciences and Engineering</i>, 7(5), 667-671.</li> <li>Garg, N. and Pachori, M. (2020). Use of coefficient of variation in calibration Estimation of population mean in stratified Sampling. <i>Communications in Statistics - Theory and Methods</i>, <a href="https://doi.org/10.1080/03610926.2019.1622729">https://doi.org/10.1080/03610926.2019.1622729</a>.</li> <li>Garg, N. and Pachori, M. (2021). A Logarithmic Calibration Estimator of Population Mean in Stratified Double Sampling. <i>International Journal of Agricultural and Statistical Sciences</i>, 17(1), 2019-2025.</li> </ol> </li> <li><b>7. Presentation of papers in seminars/conferences: Four</b> <ul style="list-style-type: none"> <li>Paper entitled "Calibration Estimation of Population Mean Using Median in Stratified Sampling" in the <i>International Conference on "Emerging Trends in Statistics and Data Science"</i> organized by Indian Society for Probability and Statistics (ISPS) in Conjunction with 40<sup>th</sup> Annual Convention of ISPS, September 7-10, 2021.</li> <li>Paper entitled "Calibration Estimation of Population Mean in Stratified Double Sampling Using Median" in the <i>International Conference on "Advancements on Interdisciplinary Research (ICAIR-2021)"</i> organised by Shia P.G. College, Lucknow and Science Tech Institute, Lucknow, October 26-28, 2021.</li> <li>Paper entitled "Ratio-type Calibration Estimator of Population Mean in Stratified Sampling" in the <i>Seventh International Conference on "Statistics for Twenty-first Century-2021 (ICSTC-2021)"</i> organized by International Statistics Fraternity (ISF) and Department of Statistics, University of Kerala, Trivandrum, December 15-19, 2021.</li> </ul> </li> </ol> <p>Paper entitled "Log-type Ratio Estimator of Population Mean in Stratified</p> </div>	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

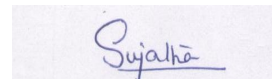
		<p>Sampling using Calibration Approach" in the <i>International Conference on "Statistics and Data Science: Theory &amp; Practice for Progress and Prosperity"</i> Jointly organized by Department of Statistics, Osmania University and in Conjunction with 41<sup>th</sup> Annual Convention of Indian Society for Probability and Statistics (ISPS), March 11-13, 2022.</p> <p>The list of examiners for the Ph.D. thesis of Ms. Menakshi Pachori (Enroll. No. 179342563) registered under the supervision of Dr. Neha Garg in the Ph.D. programme of Statistics is placed before the School Board for consideration and approval.</p> <p>The proposed list of experts for Ph.D. Thesis of Ms. Menakshi Pachori is enclosed <b>(in Confidential envelope)</b>.</p>	
	<b>Decision of SB</b>	The list of Examiners for evaluation of thesis of Ms. Menakshi Pachori (Enroll. No. 179342563) 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 not be circulated as a part of Minutes but be forwarded in a confidential cover to the Research Unit, IGNOU after the Minutes are approved.	
<b>SB 69.12 (Any other item)</b>	<b>To consider and approve agenda Item pertaining to the <u>Discipline</u> of Statistics.</b>		
	<b>SB 69.12.1</b>	<b>To consider and recommend the Revised Panel of Experts for Doctoral Research Committee of Ph.D. in Statistics.</b>	<b>Annexure 69.12.1.1</b>
	<b>Matter for Discussion</b>	The Discipline of Statistics had submitted the Revised Panel of Experts for Doctoral Research Committee of Ph.D. programme in Statistics for consideration and approval of the school Board.	
	<b>Decision of SB</b>	After deliberation, the School Board approved the Revised Panel of Experts for Doctoral Research Committee of Ph.D. programme in Statistics.	
	<b>SB 69.12.2</b>	<b>To consider and recommend the selection of candidates for the admission in the Ph.D programmes in Chemistry, Mathematics, Life Sciences and Geology of July 2021 cycle.</b>	
	<b>Matter for Discussion</b>	The Chairperson informed that the PhD Entrance Test for admission to PhD Programmes (2021) in IGNOU was conducted by the National Testing Agency (NTA) on 24 <sup>th</sup> February, 2022. The NTA had declared the result of the PhD Entrance Test of IGNOU on its website on 24 <sup>th</sup> March 2022. As per the Schedule of activities as approved by the Competent Authority, the admission related activities/procedure are to be completed by 31 <sup>st</sup> May 2022 in order to enable the Schools/Disciplines to start the classes by the 1 <sup>st</sup> June 2022. It is required that All Disciplines/Schools shall send the list of recommended candidates for admission to PhD Programme to the Research Unit (along with their application forms/Hall Ticket of Entrance Test) recommended by their respective DRC/SB by 30 <sup>th</sup> April 2022. In order to meet the deadline by of 30/04/2022, it was proposed that the	

**MINUTES OF THE SIXTY NINTH MEETING OF THE SCHOOL BOARD OF  
SCHOOL OF SCIENCES HELD ON 05th April 2022 AT 11.00 AM  
THROUGH ONLINE MODE**

**2022**

		finalized lists submitted by the different Disciplines with the recommendations of the respective DRCs may be got approved by the School Board by circulation.	
	<b>Decision of SB</b>	The disciplines of the School will finalize their respective PhD admission interview and hold DRC for selection of candidates by 21 <sup>st</sup> April 2022. The Director, SOS will seek School Board's approval of the DRC Minutes by circulation.	

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



**(Prof. SUJATHA VARMA)**

Chairperson

प्रो. सुजाता वर्मा / Prof. Sujatha Varma  
निदेशक / Director  
विज्ञान विद्यापीठ / School of Sciences  
इ. गां. रा. मु. वि., मैदान गढ़ी, नई दिल्ली-110068  
IGNOU, Maidan Garhi, New Delhi-110068