

**MINUTES OF THE SIXTY EIGHTH MEETING OF THE SCHOOL BOARD OF
SCHOOL OF SCIENCES HELD ON 03rd DECEMBER 2021 AT 11.30 AM
THROUGH ONLINE MODE**

2021

The following members were present:

1	Prof. Sujatha Varma	--	Chairperson
2	Prof. S. Vijayasekhar Reddy, Professor in Political Science, School of Social Sciences, IGNOU	--	Member (Other School)
3	Prof. Neeti Agrawal Professor, SOMS, IGNOU	--	Member (Other School)
4	Prof. Sutapa Bose, Professor, SoE	--	Member (Other School)
5	Dr. Mansi Sharma, Assistant Professor, SoL	--	Member (Other School)
6	Prof. Vijayshri	--	Member
7	Prof. Sunita Malhotra	--	Member
8	Prof. Bharat Inder Fozdar	--	Member
9	Prof. Neera Kapoor	--	Member
10	Prof. S. R. Jha	--	Member
11	Prof. Javed A. Farooqi	--	Member
12	Prof. Amrita Nigam	--	Member
13	Prof. Sanjiv Kumar	--	Member
14	Prof. M.S. Nathawat	--	Member
15	Prof. Lalita S. Kumar	--	Member
16	Prof. Shubha Gokhale	--	Member
17	Prof. Meenal Mishra	--	Member
18	Prof. Benidhar Deshmukh	--	Member
19	Prof. Kamalika Banerjee	--	Member
20	Prof. Sanjay Gupta	--	Member
21	Prof. Manish Trivedi	--	Member
22	Prof. Subhakant Mohapatra	--	Member
23	Prof. Deepika	--	Member
24	Dr. Parvesh Bubber	--	Member
25	Dr. Shubhalakshmi Lamba	--	Member
26	Dr. Kakoli Gogoi	--	Member
27	Dr. Rajesh	--	Member
28	Prof. Vijay Baraik	--	Member
29	Prof. R. Baskar	--	Member

Prof. Vijayshri, School of Sciences, 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 internal members Prof. S. Vijayasekhar Reddy, Prof. Neeti Agrawal, Prof. Sutapa Bose and Dr. Mansi Sharma under Clause (2) 10 A. She also welcomed the newly recruited faculty members of Geology Prof. R. Baskar and the newly promoted faculty member of Geography Prof. Vijay Baraik as ex-officio member of the School Board.

The Chairperson further informed that the term of the following external members under Clause 2 (e) of the Statute 10 A was over by 28.10.2021:

1. Prof. Sachidanand Sinha
2. Prof. R. Baskar
3. Prof. S.C. Garg
4. Prof. B. Sri Padmavati
5. Prof. Suneel Kateriya

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She expressed sincere thanks to all the above external members for their expert advice and active participation.

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 is mainly involved in the course development of BSc (General) programme in 9 Discipline and BSc (Honours) Programme in Biochemistry. A meeting was held in the School to discuss "**Guideline for multiple entry and exit**" in Academic Programmes Published by UGC in July, 2021 with special reference to the Master Degree Programme. It emerged from the discussion that the School will continue with 3+2 Scheme for Bachelor and Master Programme especially because the major clientele will be those who have completed their graduation in 3 years scheme. For any further action, the school will wait for the directive from the university. The school is in the process of developing Master Degree Programmes namely, MSc in Physics, Chemistry, Geography, Geoinformatics and Applied Statistics. A Master Degree Programme in MSc Zoology is also proposed.

The School Board then transacted the following items:

AGENDA NO.	SUB-AGENDA NO.	AGENDA	ANNEXURE
SB 68.1		To consider and approve Minutes of 68th Meeting of School Board of School of Sciences held on 22nd July 2021 and the Action Taken Report on the Minutes.	SB 68.1.1.1 & SB 68.1.1.2
	Matter for Discussion	The Chairperson informed the Board that the Minutes of 68 th Meeting of School Board of School of Sciences held on 22 nd July 2021 were circulated to all the members and no comments were received. The Chairperson proposed that the Minutes be approved.	
	Decision of SB	The School Board approved the Minutes of the 68 th School Board Meeting and also took note of the Action Taken Report .	
SB 68.2		Matters arising out of the minutes of 68th meeting of the School Board.	SB 68.2.1
	Matter for Discussion	Matter arising from the Minutes.	
	Decision of SB	<p>The following matters arising out of the Minutes were taken up :</p> <p>Two members of the School Board raised issue on the Masters Degree Programme in Geoinformatics being developed by the Geology Discipline.</p> <p>The Chairperson informed that a meeting of the Director with members of the Disciplines of Geology and Geography was held on August 2nd, 2021 in virtual mode in which the decision of the School board on the matter in the earlier meetings were reiterated. The issue was resolved and were agreed upon that both the Disciplines would contribute as much as possible as course writers, paper setters and members of the moderation board in various courses in the programmes on offer.</p> <p>In the light of this, the decision of the School Board remains unchanged.</p>	

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SB 68.3	To consider and approve Minutes of the meeting of 30th Standing Committee of the School Board of School of Sciences held on 11th November 2021.		SB 68.3.1						
	Matter for Discussion	The Minutes of the meeting of 30 th Standing Committee of the School Board of School of Sciences held on 11 th November 2021 were placed along with the relevant papers for consideration and approval of the School Board.							
	Decision of SB	The School Board approved the Minutes of the 30 th SBSC meeting of the School of Sciences held on 11 th November 2021.							
SB 68.4	To consider and approve the Feedback Reports on the feedback received from the subject Experts.		SB 68.4.1						
	Matter for Discussion	School of Sciences had carried out feedback studies using feedback instrument developed by CIQA (Centre for Internal Quality Assurance) for 'Subject Experts' who were members of programme expert committee meetings, course expert committee meetings and course writers' committee meetings for the design and development of curriculum. The feedback form was sent via Google Form to the Subject Experts who had participated in the meetings mentioned above. The filled feedback forms of the Experts were collected and analyzed. The report was submitted to the school board for consideration and approval.							
	Decision of SB	After detailed deliberations, the members made the following observation on "some notable suggestions" and "conclusion recommendation" on item 5, page-16 of the report. 1. As the recommendations has wider implications for the distance learners as well as on IGNOU Policy and since the feedback is received from a limited number of experts, it was suggested that the recommendation made by the Experts may be further deliberated in the School/University for any further action. 2. Further, the members felt that the weightage of internal and external component of assessment which is largely 30 percentage and 70 percentage respectively, have been adopted in IGNOU after detailed deliberation and approval by the statutory bodies. The members agreed that the report may be submitted to CIQA with the above observations noted along with it.							
SB 68.5	To consider and recommend the names of the faculty members as research supervisor of IGNOU in various disciplines.		SB 68.5.1						
	Matter for Discussion	The following newly recruited faculty members have joined in School of Sciences : <table><tr><th>Sl. No.</th><th>Name</th><th>Discipline</th></tr><tr><td>1</td><td>Dr. M Boazbou Newmai</td><td>Physics</td></tr></table>	Sl. No.	Name	Discipline	1	Dr. M Boazbou Newmai	Physics	
Sl. No.	Name	Discipline							
1	Dr. M Boazbou Newmai	Physics							

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		<p>2 Dr. Siya Ram Life Sciences</p> <p>3 Dr Ravi Rajwanshi Life Sciences</p> <p>4 Prof. R. Baskar Geology</p> <p>5 Dr. Krishna Kumar Geography</p> <p>6 Dr. Gajraj Singh Statistics</p> <p>7 Dr. Taruna Kumari Statistics</p> <p>8 Dr. Suwankar Biswas Mathematics</p> <p>The faculty members fulfill the minimum eligibility criteria as per clause 6.1 of UGC (Minimum standards and Procedure for award of M Phil/PhD Degree) Regulation 2016.</p>	
	Decision of SB	<p>The members thoroughly examined the CV's of the faculty members concerned, and observed that all the faculty members fulfill the eligibility criteria to be a research supervisor as per clause 6.1 of UGC regulations 2016. However, DRC recommendation was not sought before placing in the School Board as per the practice followed, except for Life Science Discipline.</p> <p>Considering the exigencies in some of the Disciplines, the Board authorized the Chairperson to get approval of the DRC within 15 days from 03.12.2021 and get the approval of the Minutes from the School Board members by circulation. With this observation the item was approved.</p>	
SB 68.6	To consider and nominate External Members under Clause (2)(e) of Statute 10A for the School Board of School of Sciences.		SB 68.5.1
	Matter for Discussion	<p>The term of the External Members of the School Board of School of Sciences under Clause (2)(e) of Statute 10A is over by 27/10/2021.</p> <p>The School Board of School of Sciences in its 45th meeting held on 28th September 2012, vide item No.5 [SB 45.5.1] devised a criteria for co-opting the external members to its board.</p> <p>"It was decided that since there are 8 Disciplines in the School and there is provision for co-opting only 5 external members under Clause (2) (e) of Statute 10A, 2 members will be co-opted from the earlier Discipline of Chemistry, Physics, Life Sciences and Mathematics; 2 members would be co-opted from the new Disciplines of the School in alphabetical order and the fifth member would be co-opted from other Disciplines through rotation. The Disciplines that remain unrepresented would invite special invitee to the School Board from the names approved by the School Board as and when required."</p> <p>Accordingly the external members from the Discipline of Chemistry, Life Sciences, Statistics, Biochemistry and Geography proposed the following names of external experts:</p>	

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		<table><tr><td>From the Discipline of Biochemistry Dr Sunita Joshi Associate Professor (Retd.), Dept. of Biochemistry, Daulat Ram College, DU Residential add.: J-207, LIC Colony Jeevan Niketan, Near Meera Bagh, New Delhi 110087 Mob: 9953150114: Email: sunjoshi5@yahoo.co.in</td><td>From the Discipline of Chemistry Prof. Ashok Kumar Mishra Professor and Dean Academic Research Department of Chemistry Indian Institute of Technology Madras Chennai – 600036, (M): 9444009251 mishra@iitm.ac.in</td></tr><tr><td>From the Discipline of Life Sciences Prof. Neeta Sahgal, Department of Zoology, University of Delhi-07, Email: neetasehgal.du@gmail.com/ nsehgal@zoology.du.ac.in, Mobile No: 9810784839</td><td>From the Discipline of Statistics Prof. V. K. Singh, Retired from BHU, Varanasi W3-403, Life Style Homes, Vatika India Next, Sector 83, Gurugram (HR) Mob.: 9415343030 Email: vijay_usha_2000@yahoo.com</td></tr><tr><td>From the Discipline of Geography Prof. Kaushal Kumar Sharma Professor Centre for the Study of Regional Development (CSRD), School of Social Sciences (SSS), Jawaharlal Nehru University (JNU), New Mehrauli Road, New Delhi-110067 Mob: 99810002953 email: kaushalkmc@gmail.com, kaushalkumar@mail.jnu.ac.in</td><td></td></tr></table>	From the Discipline of Biochemistry Dr Sunita Joshi Associate Professor (Retd.), Dept. of Biochemistry, Daulat Ram College, DU Residential add.: J-207, LIC Colony Jeevan Niketan, Near Meera Bagh, New Delhi 110087 Mob: 9953150114: Email: sunjoshi5@yahoo.co.in	From the Discipline of Chemistry Prof. Ashok Kumar Mishra Professor and Dean Academic Research Department of Chemistry Indian Institute of Technology Madras Chennai – 600036, (M): 9444009251 mishra@iitm.ac.in	From the Discipline of Life Sciences Prof. Neeta Sahgal, Department of Zoology, University of Delhi-07, Email: neetasehgal.du@gmail.com/ nsehgal@zoology.du.ac.in, Mobile No: 9810784839	From the Discipline of Statistics Prof. V. K. Singh, Retired from BHU, Varanasi W3-403, Life Style Homes, Vatika India Next, Sector 83, Gurugram (HR) Mob.: 9415343030 Email: vijay_usha_2000@yahoo.com	From the Discipline of Geography Prof. Kaushal Kumar Sharma Professor Centre for the Study of Regional Development (CSRD), School of Social Sciences (SSS), Jawaharlal Nehru University (JNU), New Mehrauli Road, New Delhi-110067 Mob: 99810002953 email: kaushalkmc@gmail.com, kaushalkumar@mail.jnu.ac.in				
From the Discipline of Biochemistry Dr Sunita Joshi Associate Professor (Retd.), Dept. of Biochemistry, Daulat Ram College, DU Residential add.: J-207, LIC Colony Jeevan Niketan, Near Meera Bagh, New Delhi 110087 Mob: 9953150114: Email: sunjoshi5@yahoo.co.in	From the Discipline of Chemistry Prof. Ashok Kumar Mishra Professor and Dean Academic Research Department of Chemistry Indian Institute of Technology Madras Chennai – 600036, (M): 9444009251 mishra@iitm.ac.in										
From the Discipline of Life Sciences Prof. Neeta Sahgal, Department of Zoology, University of Delhi-07, Email: neetasehgal.du@gmail.com/ nsehgal@zoology.du.ac.in, Mobile No: 9810784839	From the Discipline of Statistics Prof. V. K. Singh, Retired from BHU, Varanasi W3-403, Life Style Homes, Vatika India Next, Sector 83, Gurugram (HR) Mob.: 9415343030 Email: vijay_usha_2000@yahoo.com										
From the Discipline of Geography Prof. Kaushal Kumar Sharma Professor Centre for the Study of Regional Development (CSRD), School of Social Sciences (SSS), Jawaharlal Nehru University (JNU), New Mehrauli Road, New Delhi-110067 Mob: 99810002953 email: kaushalkmc@gmail.com, kaushalkumar@mail.jnu.ac.in											
	Decision of SB	After deliberation, the School Board co-opted the names given above by the Disciplines of Chemistry, Life Sciences, Statistics, Biochemistry and Geography. The name of the external experts from the Geography is co-opted as the special invitee. The name approved by the School Board will be sent to the competent authority for notification.									
SB 68.7 (Biochemistry)	To consider and approve agenda items pertaining to the <u>Discipline of Biochemistry.</u>		SB 68.7 (Biochemistry)								
SB 68.7.1	To consider and approve the list of Examiners for PhD Thesis of Ms. Shipra Gupta (Enrollment Number: 179342223) registered with Dr. Parvesh Bubber in the Ph.D Biochemistry Programme.		The list is placed in a confidential cover.								
	Matter for Discussion	<p>The Biochemistry Discipline Group had submitted the list of Examiners for Ph.D thesis evaluation of Shipra Gupta (Enrolment No. 179342223) registered in the Ph.D Biochemistry Programme. The details are as follows:</p> <table><tr><td>Name</td><td>Shipra Gupta</td></tr><tr><td>Enrolment Number and Date of registration</td><td>Enrolment number: 179342223 Date of registration: 27-12-2017</td></tr><tr><td>Research Title</td><td>Prevalence and Genetic Diversity of Group A Rotaviruses in Himachal Pradesh</td></tr><tr><td>Name(s) of Supervisor(s)</td><td>Internal Supervisor Dr. Parvesh Bubber Discipline of Biochemistry School of Sciences External Supervisor Prof. Pratima Ray Department of Biotechnology School of Chemical and Life Sciences Jamia Hamdard, New Delhi-110062</td></tr></table>	Name	Shipra Gupta	Enrolment Number and Date of registration	Enrolment number: 179342223 Date of registration: 27-12-2017	Research Title	Prevalence and Genetic Diversity of Group A Rotaviruses in Himachal Pradesh	Name(s) of Supervisor(s)	Internal Supervisor Dr. Parvesh Bubber Discipline of Biochemistry School of Sciences External Supervisor Prof. Pratima Ray Department of Biotechnology School of Chemical and Life Sciences Jamia Hamdard, New Delhi-110062	
Name	Shipra Gupta										
Enrolment Number and Date of registration	Enrolment number: 179342223 Date of registration: 27-12-2017										
Research Title	Prevalence and Genetic Diversity of Group A Rotaviruses in Himachal Pradesh										
Name(s) of Supervisor(s)	Internal Supervisor Dr. Parvesh Bubber Discipline of Biochemistry School of Sciences External Supervisor Prof. Pratima Ray Department of Biotechnology School of Chemical and Life Sciences Jamia Hamdard, New Delhi-110062										

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		<p>Number(s) of Paper Publication and Details</p> <p>1. Shipra Gupta, Mariyam Gauhar, Parvesh Bubber, Pratima Ray. Phylogenetic analysis of VP7 and VP4 genes of the most predominant human group A rotavirus G12 identified in children with acute gastroenteritis in Himachal Pradesh, India during 2013-2016. <i>Journal of Medical Virology</i> 2021;93(11):6200-6209. Impact Factor: 2.327</p> <p>2. Shipra Gupta, Sanjeev Chaudhary, Parvesh Bubber, Pratima Ray. Epidemiology and genetic diversity of group A rotavirus in acute diarrhea patients in pre- vaccination era in Himachal Pradesh, India. <i>Vaccine</i> 2019;37(36):5350-56. . Impact Factor: 3.269</p>	
		<p>Date of Pre-PhD thesis presentation</p> <p>Pre Thesis Seminar: 26-11-2021</p>	
	Decision of SB	The list of Examiners for evaluation of thesis of Shipra Gupta (Enrollment No. 179342223) 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.	
SB 68.7.2	To consider and recommend the revised Panel of External Experts for Doctoral Research Committee of Biochemistry Discipline.		
	Matter for Discussion	The Discipline of Biochemistry had submitted the revised Panel of External Experts for Doctoral Research Committee of Biochemistry Discipline. The increase in number of Ph.D scholars and completion of the tenure of existing doctoral research committee members necessitates addition of new members for the Ph.D programme of Biochemistry Discipline.	
	Decision of SB	After deliberation, the School Board approved the names of experts in the list.	
SB 68.7.3	To consider and approve the Minutes of 24th Doctoral Research Committee of Biochemistry Discipline.		
	Matter for Discussion	<p>The Discipline of Biochemistry has submitted the Minutes of 24th Doctoral Research Committee of Biochemistry Discipline. The 23rd Doctoral Research Committee Meeting of Biochemistry Discipline was held on Nov 26th, 2021 through Google meet to discuss the following:</p> <ol style="list-style-type: none"> 1. Pre-thesis submission seminar of Ph.D. scholar Ms. Shipra Gupta (Enrl.No.179342223) registered in July, 2017 admission cycle. 2. To consider and approve synopsis of Ekta Singh (Enrl.No.198570549) registered in July 2019 admission cycle. 	SB 68.7.3

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		<p>3. Allotment of supervisor of Ekta Singh</p> <p>4. Allotment of Co-supervisor of Ph.D. Scholars Deena Prakash (Enrl.No.173101768) and Divya Bisht (Enrl.No.179342230)</p> <p>5. To consider and recommend cancellation of Ms. Prajakta Ravindra Jadhav and Mr. Rafizullabaig Meerja provisionally registered in PHDBC.</p> <p>6. To consider and approve the withdrawal request of Mr. Ravi Thakur provisionally registered in PHDBC.</p>	
	Decision of SB	The School Board of School of Sciences considered and approved the agenda items 1 to 4 and 6 listed above. The Board advised the Discipline of Biochemistry to send the 4 items to the Research unit for the approval of the Research Council. The members noted that, the item 5 in the Minutes was referred back to DRC. The board advised that while reconsidering the item in the next DRC, the process of cancellation as laid out in IGNOU Research Guidelines may be followed.	
SB 68.8 (Chemistry)	To consider and approve agenda items pertaining to the <u>Discipline of Chemistry.</u>		--
	SB 68.8.1	To consider and approve the names of the examiners for the evaluation of Ph.D thesis of Mr. Narbir Singh (188500507) research scholar of Ph.D. programme in Chemistry.	The list is placed in a confidential cover.
	Matter for Discussion	<p>The names of Ph.D. thesis Examiners of Mr. Narbir Singh (188500507) registered with Prof. Kamalika Banerjee as internal supervisor in the Ph.D. programme of Chemistry are enclosed as Annexure A.</p> <p>Details of Narbir Singh:</p> <ol style="list-style-type: none"> Enrolment No.: 188500507 Date of Registration: July 2018 Topic: Design of novel deep eutectic solvent based electrolytes for electrochemical supercapacitors Supervisor(s): Prof. K. Banerjee, (Supervisor) Dr. Yogesh Kumar, ARSD college, University of Delhi, (Co-Supervisor) Date of Pre-Ph.D. thesis submission seminar before Doctoral Committee: 27th October. 2021 Number of Publications: One (details below) Kumar, Y., Singh, N., Kumar, A., Gupta, M., Tripathi, M., Sharma, V., Banerjee, K., Kaus, N.H.M., "Variation in capacitive performance of Poly (3-methylthiophene) nanosheet electrodes with liquid/semi-solid/solid electrolytes", Polymer Science series A, 2021 (Accepted) 	
	Decision of SB	The list of Examiners for evaluation of thesis of Mr. Narbir Singh (Enrollment No. 188500507) was read out before the Board members. The School Board of	

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		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.	
	SB 68.8.2	To consider and approve the minutes of Programme Expert Committee meeting of M.Sc.in Chemistry Programme.	
	Matter for Discussion	Consequent to the approval of PPF for M.Sc. in Chemistry Programme in the 61st Academic Programme Committee meeting, the Programme Expert Committee meeting for the same was held on 24th November 2021 in online mode to design the structure and formulate the syllabi for courses of the M.Sc. in Chemistry Programme. The Minutes of the meeting of the Programme Expert Committee for M.Sc. in Chemistry Programme containing the programme structure and syllabi (finalised) for the core / elective courses of M.Sc. in Chemistry Programme was placed for consideration and approval.	
	Decision of SB	After detailed deliberations on the structure and syllabi of the courses the School Board approved the Minutes of the Expert Committee meeting.	
SB 68.9 (Geography)	To consider and approve agenda items pertaining to the Discipline of Geography.		
	SB 68.9.1	To consider and approve the Minutes of the Course Design Expert Committee Meeting of the course "Climatology" (four credits) of second semester of M.Sc. Programme in Geography.	SB 68.9.1
	Matter for Discussion	The School Board was informed that the course design committee meeting for the course "Climatology" (4 credits) of second semester of M.Sc. Programme in Geography was held on October 11, 2021, to work out detailed course structure and syllabi.	
	Decision of SB	After deliberation, the School Board approved the structure and syllabus of the course.	
	SB 68.9.2	To consider and approve the Minutes of the Course Design Expert Committee Meeting of the course "Urban Geography" (four credits) of third semester of M.Sc. Programme in Geography held on 26-10-2021.	SB 68.9.2
	Matter for Discussion	The School Board was informed that the course Design Committee Meeting for the course "Urban Geography" (4 credits) of third semester of M.Sc. Programme in Geography held on October 26, 2021, to work out detailed course structure and syllabi.	
	Decision of SB	After deliberation, the School Board approved the course structure and syllabus.	
	SB 68.9.3	To consider and approve the list of Editors and Unit Writers of the course "Urban Geography" (four credits) of third semester of M.Sc. Programme in Geography.	SB 68.9.3

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	Matter for Discussion	The lists of Editors and Unit Writers for the course "Urban Geography" of M.Sc. Programme in Geography for consideration and approval of the School Board.	
	Decision of SB	After deliberation, the School Board approved the names of the course writers and editors for the course "Urban Geography".	
	SB 68.9.4	To consider and approve the revised list of Editors and Unit Writers of the course "Climatology" (four credits) of M.Sc. Programme in Geography.	SB 68.9.4
	Matter for Discussion	The Geography Discipline proposed a list of unit writers and editors for the course "Climatology" of M.Sc. Programme in Geography. The list was approved in the Sixty Seventh Meeting of the School Board of School of Sciences held on 22nd July 2021. Some additional names were added to the list.	
	Decision of SB	After deliberation, the School Board approved the names of the course writers and editors for the course "Climatology".	
SB 68.10	To consider and approve agenda items pertaining to <u>Discipline of Geology</u>.		
	SB 68.10.1	To consider and approve the Minutes of the meeting of the Expert Committee to design and develop the overall programme structure of Postgraduate Diploma in Geoinformatics and M.Sc. Geoinformatics programmes held online on 28th October 2021.	SB 68.10.1
	Matter for Discussion	<p>The Geology Discipline is developing the Postgraduate Diploma in Geoinformatics and M.Sc. Geoinformatics programmes. The Programme Proposal Forms (PPF) for the Programmes were approved in the 67th meeting of the School Board of the School of Sciences and the subsequent meeting of the Academic Programme Committee (APC) of the Planning Board held on 20th September 2021 vide Item APC 61.5.</p> <p>A meeting of the Expert Committee was held on 28th November, 2021 to finalise the overall programme structure and broad syllabi for the Postgraduate Diploma in Geoinformatics and M.Sc. Geoinformatics programmes.</p> <p>The Minutes of the meeting of the Expert Committee for the Postgraduate Diploma in Geoinformatics and M.Sc. Geoinformatics Programmes containing the overall programme structure for the core and elective courses was placed before the School Board for consideration and approval.</p>	
	Decision of SB	After detailed deliberations on the structure and board syllabi of the courses, the School Board approved the Minutes of the Expert Committee meeting for the Post Graduate Diploma in Geoinformatics and MSc in Geoinformatics Programmes.	

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	SB 68.10.2	To consider and approve the Minutes of the meeting of the Expert Committee to design and develop the syllabi of first and second semester courses of Postgraduate Diploma in Geoinformatics and M.Sc Geoinformatics programmes held on 1st and 2nd November 2021.	
	Matter for Discussion	<p>The Programme Proposal Form (PPF) for Postgraduate Diploma in Geoinformatics was approved in the 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 Academic Programme Committee (APC) 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 first and second semester courses of the Postgraduate Diploma and MSc Geoinformatics was held on 1st and 2nd November 2021. The detailed syllabi for the first and second semesters of the Postgraduate Diploma in Geoinformatics and MSc Geoinformatics programmes was placed before the School Board for consideration and approval.</p>	
	Decision of SB	After detailed deliberations, the School Board approved the syllabi of 1 st and 2 nd semester courses of Post Graduate Diploma in Geoinformatics and M.Sc. Geoinformatics Programmes.	
	SB 68.10.3	To consider and approve the Programme Development Form (PDF) and the Programme Project Report (PPR) for Postgraduate Diploma in Geoinformatics programme.	SB 68.10.3
	Matter for Discussion	The Geology Discipline Group had submitted the Programme Development Form (PDF) and the Programme Project Report (PPR) for Postgraduate Diploma in Geoinformatics Programme. The Programme Proposal Form (PPF) for Postgraduate Diploma in Geoinformatics 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. The PDF and PPR along with the requisite details were placed before the School Board for consideration and approval.	
	Decision of SB	The School Board deliberated in detail 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 (PDF) and Programme Project Report (PPR) for Postgraduate Diploma in Geoinformatics Programme.	
	SB 68.10.4	To consider and approve the list of Editors and Course Writers for the first and second semester courses of Postgraduate Diploma in Geoinformatics Programme.	SB 68.10.4
	Matter for Discussion	The Geology Discipline Group had submitted the list of Editors and Course Writers for the first and second	

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		semester courses of Postgraduate Diploma in Geoinformatics Programme. The Geology Discipline is developing Postgraduate Diploma in Geoinformatics. The Programme Proposal Form (PPF) for Postgraduate Diploma in Geoinformatics was approved in the 67th Meeting of the School Board of the School of Sciences held on 22 nd July 2021 vide Item no. SB. 67.9.5 and subsequently in the 61st Meeting of the Academic Programme Committee (APC) of the Planning Board held on 20th September 2021 vide Item APC 61.5. In this context, the meeting of the Expert Committee to design and develop the syllabi of first and second semester courses of Postgraduate Diploma in Geoinformatics was held on 1st and 2nd November 2021. The list of Course Writers and Editors were placed before the School Board for its consideration and approval.	
	Decision of SB	After detailed deliberations, the School Board approved the list of editors and course writers of 1 st and 2 nd semester courses of Post Graduate Diploma in Geoinformatics Programme.	
	SB 68.10.5	To consider and approve the Minutes of 55th Meeting of the Doctoral Research Committee of Geology held on 16th November, 2021	SB 68.10.5
	Matter for Discussion	The Geology Discipline Group conducted 55th Meeting of the Doctoral Research Committee of Geology on 16th November, 2021. The following items were discussed and finalized in the meeting. 1. Approval of the first Work-in-Progress Seminars of five scholars namely, Mr. Bilal Ahmad Sunu, Mr. Arun Kumar, Ms. Beena Kouser, Mr. Ihsan Ullah Lone and Mr. S. Kiran. 2. To review six monthly progress reports of fourteen research scholars registered in PhD Geology programme. 3. Approval of cancellation of provisional registration of three scholars from Ph.D. (Geology) programme.	
	Decision of SB	After detailed deliberation, the School Board of School of Sciences approved all the agenda items in the Minutes. The Board advised the Discipline to send the Item 3 in the Minutes to the Research Unit for approval of the Research Unit.	
SB 68.11 (Life Sciences)	To consider and approve agenda items pertaining to <u>Discipline of Life Sciences</u>.		
	SB 68.11.1	To consider and approve the Minutes of the Doctoral Committee Meeting of Life Sciences Discipline held on 12th October, 2021.	SB 68.11.1
	Matter for Discussion	The Life Sciences Discipline Group had conducted the Doctoral Committee Meeting of Life Sciences Discipline on 12th October, 2021. The following agenda item were discussed and finalized in the meeting. 1. Assessment of second mandatory seminar of one student of PHDLS.	

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Sl. No.	Name and Enrolment No.	Supervisor (Internal/External)	Topic	
1.	Preeti Chaudhary (Enrl. 173101965)	Prof. Neera Kapoor Professor in Life Sciences, IGNOU and <i>Dr. K.C. Pandey</i> Scientist E, ICMR, NIMR, New Delhi-110077	Study on the interacting partners of Kelch 13 protein of <i>P. falciparum</i> .	
2.	Recommendation for approval of two new faculty members (Dr. Siya Ram and Dr. Ravi Rajwanshi, Associate Professors in Life Sciences) as Research Supervisor of PhD scholars in Life Sciences Discipline.			
3.	Review of the status of registration of one PHDLS student.			
	Decision of SB	After detailed deliberation, the School Board of School of Sciences approved all the agenda items in the Minutes.		
	SB 68.11.2	To consider and approve the Programme Proposal Form (PPF) of M.Sc. Zoology Programme.		
	Matter for Discussion	The Life Sciences Discipline Group had submitted the PPF of the proposed M.Sc. Zoology Programme in Life Sciences Discipline.		Annexure 68.11.2.1
	Decision of SB	After detailed deliberations, the Programme Proposal Form (PPF) was approved for the MSc Zoology Programme.		
	SB 68.11.3	To consider and approve the list of examiners for the thesis of Ms. Priyam Panda, (173101919) Ph.D. Scholar in Life Sciences.		The list is placed in a confidential cover.
	Matter for Discussion	<p>The Life Sciences Discipline Group had submitted the list of examiners for the thesis of Ms. Priyam Panda, (173101919) Ph.D. Scholar in Life Sciences.</p> <p>The List of examiners for the thesis entitled "Characterisation, Host Pathogen Interaction and Management of Phytoplasma disease of Floriculture crops." of Ms. Priyam Panda, (173101919) (In confidential cover).</p> <p>Details of Ms. Priyam Panda Enrolment Number: 173101919</p> <p>1. Date of Registration: January, 2017</p> <p>2. Topic: Characterisation, Host Pathogen Interaction and Management of Phytoplasma disease of Floriculture crops.</p>		

		<p>3. Supervisor: Prof. Amrita Nigam, School of Sciences, IGNOU, Maidan Garhi, New Delhi-110068</p> <p align="center">and</p> <p>Dr.Govind Pratap Rao Principal Scientist Division of Plant Pathology, IARI New Delhi-110012</p> <p>4. Date of Pre-Ph.D thesis submission seminar before Doctoral Committee: 27th July 2021.</p> <p>5. Number of Publications:</p> <p>i) Multilocus gene analysis reveals the presence of two phytoplasma groups in <i>Impatiens balsamaina</i> showing flat stem and phyllody, 3 Biotech, 11 (3), 1-2 doi.org/10.1007/s13205-021-02666-2.</p> <p>Multilocus gene characterization of phytoplasmas in 16SrII-D subgroup associated with <i>Coreopsis grandiflora</i> little leaf disease in India, Phytopathogenic Mollicutes, Vol. 9 (2), December 2019, 295-30</p>	
	Decision of SB	The list of Examiners for evaluation of thesis of Ms. Priyam Panda (Enrollment No. 173101919) 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.	
SB 68.12 (Mathematics)	To consider and approve agenda items pertaining to <u>Discipline of Mathematics.</u>		
SB 68.12.1	To consider and approve the Minutes of the Course Expert Committee meeting for the course Computer Graphics (MMTE-004) of M.Sc. (MACS) programme.		SB 68.12.1
	Matter for Discussion	<p>The Mathematics Discipline Group had submitted the Minutes of the Course Expert Committee meeting for the course Computer Graphics (MMTE-004) of M.Sc. (MACS) programme.</p> <p>The course Computer Graphics (MMTE-004) is a 2-credit elective course of the M.Sc.(MACS) programme of the School of Sciences. Presently, the course is being offered in the wrap-around format. Now it has to be converted to a self learning material. The unitised syllabus and the list of practicals for the course were finalised in the Course Expert Committee meeting held on 17th March, 2021.</p>	
	Decision of SB	After deliberation, the School Board approved the structure and syllabus of the course "Computer Graphics".	

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SB 68.12 (Physics)	To consider and approve agenda items pertaining to <u>Discipline of Physics</u>.		
SB 68.13.1	To consider and approve the Minutes of the meeting of the Programme Expert Committee for M. Sc. (Physics) Programme held on 16th September, 2021.		SB 68.13.1
	Matter for Discussion	<p>The Physics Discipline Group had submitted the Minutes of the meeting of the Programme Expert Committee for M. Sc. (Physics) Programme held on 16th September, 2021.</p> <p>The Physics Discipline is developing the Masters Degree Programme in Physics . The Programme Proposal Form (PPF) for the M.Sc. (Physics) Programme was approved in the 67th 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 20th September, 2021 .</p> <p>A meeting of the Programme Expert Committee for M. Sc (Physics) was held on 16th September, 2021 at 11.00 AM in the virtual mode, to finalise the structure and syllabi for the M.Sc. (Physics) Programme.</p>	
	Decision of SB	After detailed deliberations on the structure and syllabi of the courses, the School Board approved the minutes of the Expert Committee meeting.	
SB 68.13.2	To consider and approve the Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Physics) Programme		SB 68.13.2
	Matter for Discussion	<p>The Physics Discipline Group had submitted the Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Physics) Programme.</p> <p>The Programme Proposal Form (PPF) for the M.Sc. (Physics) 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. The Programme Development Form (PDF) (Appendix 1) and the Programme Project Report (PPR) (Appendix 2) for the M. Sc. (Physics) Programme were placed before the School Board for consideration and approval.</p>	
	Decision of SB	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. in Physics.	
SB 68.13.3	To consider and recommend the list of course writers for the M.Sc. (Physics) Programme.		
	Matter for	The Physics Discipline Group had submitted the list of	

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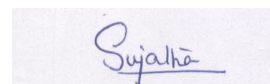
	Discussion	course writers for the M.Sc. (Physics) Programme. The Physics Discipline is developing the Master's degree programme in Physics. A meeting of the Programme Expert Committee for M. Sc. (Physics) was held on 16th September, 2021, to finalise the structure and syllabi for the M.Sc. (Physics) Programme.	
	Decision of SB	After deliberation, the School Board approved the names of the course writers for the M.Sc. (Physics) Programme.	
SB 68.14 (Statistics)	To consider and approve agenda Item pertaining to the <u>Discipline of Statistics.</u>		
	SB 68.15.1	To consider and approve the Minutes of the Programme Expert Committee meeting of M.Sc. in Applied Statistics Programme.	SB 68.15.1
	Matter for Discussion	The Statistics Discipline Group has submitted the Minutes of the meeting of the Programme Expert Committee for M. Sc. Applied (Statistics) Programme held on 24th November, 2021. The Statistics Discipline is developing the Masters Degree Programme in Applied Statistics. The Programme Proposal Form (PPF) for the Programme was approved in the 67th 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 20 th September, 2021. A meeting of the Programme Expert Committee for M. Sc in Applied Statistics was held on 24th November, 2021 in the virtual mode, to finalise the structure and syllabi for the M.Sc. in Applied Statistics Programme.	
	Decision of SB	After detailed deliberations on the structure and syllabi of the courses, the School Board approved the Minutes of the Expert Committee meeting.	
SB 68.15 (Any other item)	To consider and approve agenda Item pertaining to the <u>Discipline of Geography.</u>		
	SB 68.15.1	To consider and approve the Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Geography) Programme.	Annexure 68.15.1.1
	Matter for Discussion	The Geography Discipline Group had submitted the Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Geography) Programme. The Phase-1 Form for the M.Sc. (Geography) Programme was approved in the 59th School Board of the School of Sciences held on May 05, 2017 and the Academic Programmes Committee (APC) of the Planning Board held on September 12, 2018.	
	Decision of	The School Board deliberated in details on all aspects of	

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	SB	development and implementation of the Programme as stated in the PDF form. The School Board then approved the Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Geography) Programme. Concerns were raised on the eligibility criteria for which justification was made by the Programme Coordinators.	

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



(Prof. SUJATHA VARMA)
Chairperson

प्रो. सुजाता वर्मा / Prof. Sujatha Varma
निदेशक / Director
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