

The meeting of School Board of School of Sciences was held on 19th October 2023 Online on Google Meet platform at 11.00 am. The following members were present:

1.	Prof. Meenal Mishra	Chairperson
2.	Prof. Ashok Kumar Mishra	External Member
3.	Prof. Kaushal Kumar Sharma	External Member
4.	Prof. V.K. Singh	External Member
5.	Dr. Sunita Joshi	External Member
6.	Dr. Neeta Sahgal	External Member
7.	Prof. Rashmi Sinha	Member (Other School- SOSS)
8.	Dr. Soniya	Member (Other School-SOHS)
9.	Dr. Mohd. Saleem, SOFL	Member (Other School-SOFL)
10.	Prof. Sunita Malhotra	Member
11.	Prof. Sujatha Varma	Member
12.	Prof. Neera Kapoor	Member
13.	Prof. S.R. Jha	Member
14.	Prof. Sanjiv Kumar	Member
15.	Prof. Lalita S. Kumar	Member
16.	Prof. Shubha Gokhale	Member
17.	Prof. Sanjay Gupta	Member
18.	Prof. Kamalika Banerjee	Member
19.	Prof. Benidhar Deshmukh	Member
20.	Prof. Subhakanta Mohapatra	Member
21.	Prof. Manish Trivedi	Member
22.	Prof. Deepika	Member
23.	Prof. R. Baskar	Member
24.	Prof. Vijay Kumar Baraik	Member
25.	Prof. Parvesh Bubber	Member
26.	Prof. Aryadeep Roy Choudhury	Member
27.	Dr. Siya Ram	Member
28.	Dr. Arvind Kumar Shakya	Member
29.	Dr. M. Prashanth	Member
30.	Dr. Pawan Kumar	Member
31.	Dr. M. Boazbou Newmai	Member
32.	Dr. Gajraj Singh	Member

Prof. P.V.K. Sasidhar, SEDS, Prof. Bharat Inder Fozdar and Dr. Satya Raj, SOS could not attend the meeting.

Prof. Meenal Mishra, Director, SOS, and Chairperson of the School Board of the School of Sciences, began the meeting with a warm welcome to all the members. She welcomed the nominated External Members under Clause 2 (e) of the Statute 10 A, namely Prof. Ashok Kumar Mishra, IIT Madras, Prof. V.K. Singh, Retired from BHU, Varanasi, Dr. Neeta Sahgal, Delhi University and Dr. Sunita Joshi, Daulat Ram College, Delhi University. She further welcomed the nominated Faculty members

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

The Chairperson informed the Board that the Minutes of 73rd Meeting of School Board of School of Sciences held on 11th September, 2023 were circulated to all the members on 24th September 2023 and no comments were received. She further informed that the Programme launch Form of M.Sc. (Zoology) programme was approved in Academic Programme Committee (APC). The information regarding the School's proposal of Multidisciplinary undergraduate programme, B.Sc. Major/ Honors programme under FYUP was also shared with the Board Members.

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

Agenda No.	Sub Agenda	Agenda	Annexures
SB 74.1		To consider and approve the Minutes of 73rd Meeting of School Board of School of Sciences held on 11th September 2023.	SB 74.1
	Matter for Discussion	The Chairperson informed the Board that the Minutes of 73 rd Meeting of School Board of School of Sciences held on 11 th September, 2023 were circulated to all the members on 24 th September 2023. The Chairperson proposed that the Minutes be approved.	
	Decision of SB	The School Board approved the Minutes of the 73 rd School Board Meeting of School of Sciences.	
SB 74.2		To consider and approve the Action Taken Report on the Minutes of 73rd Meeting of School Board of School of Sciences held on 11th September 2023.	SB 74.2
	Matter for Discussion	The Action Taken Report (ATR) on the Minutes of 73 rd Meeting of School Board of School of Sciences held on 11 th September 2023 were placed before the School Board of the School of Sciences for consideration and approval.	
	Decision of SB	The School Board approved the Action Taken Report (ATR) on the Minutes of the 73 rd School Board Meeting of School of Sciences.	
SB 74.3		Matters arising out of the Minutes of 73rd meeting of the School Board.	
	Matter for Discussion	Matters arising from the Minutes.	
	Decision of SB	No matter was reported.	
SB 74.4		To consider and recommend the list of experts from	SB 74.4.1

	<p>different disciplines for holding a Programme expert committee meeting to design broad structure of three years multidisciplinary UG programme under NEP 2020 as per guidelines notified by UGC for Curriculum and Credit Framework for Undergraduate Programmes</p>	<p>SB 74.4.2</p>
	<p>Matter for Discussion</p> <p>The UGC Notification dated 7th December, 2022 regarding Curriculum and Credit Framework for Undergraduate Programmes (CCFUP) was approved in the Academic Council in its 79th meeting held on 20th December, 2022. A Committee under the chairpersonship of Prof. Swaraj Basu was constituted for examining the UGC Notification in the context of IGNOU and give suitable recommendations. The Committee suggested a Broad Framework which was referred to the CBCS Committee. The CBCS committee under the Chairpersonship of Prof Satyakam, Pro-VC deliberated with the Schools concerned for maintaining continuity, facilitating credit transfer and ensuring smooth transition from CBCS to FYUP of CCFUP. The Committee recommended that Undergraduate programmes may be offered in Major, Honours and Multidisciplinary categories. The 80th Academic Council held on 7th July 2023 approved the recommendations of the CBCS Committee.</p> <p>The School of Sciences proposes to offer three years multidisciplinary UG programme. The disciplines of Physics, Chemistry, Mathematics, Life Sciences (Botany and Zoology), Geology and Geography have expressed their willingness to offer the 3-year Multidisciplinary Undergraduate degree program with 3- disciplines.</p> <p>The list of experts from different disciplines was proposed for holding a Programme expert committee meeting to design broad structure of three years multidisciplinary UG programme under NEP 2020 as per guidelines notified by UGC for Curriculum and Credit Framework for Undergraduate Programmes.</p> <p>The list of experts was placed before the School Board of School of Sciences for its consideration and</p>	

		approval.	
	Decision of SB	After detailed deliberations the School Board considered and recommended the list of experts from different disciplines for holding a Programme expert committee meeting to design broad structure of three years multidisciplinary UG programme for further approval of the Competent Authority.	
SB 74.5	To consider and approve agenda items pertaining to the <u>Discipline of Biochemistry</u>		
	SB 74.5.1	To consider and approve the Minutes of 31st Doctoral Research Committee meeting of Biochemistry Discipline held on 16th October, 2023	SB 74.5.1
	Matter for Discussion	<p>A meeting of the Doctoral Committee in Biochemistry was held on 16th October, 2023 to consider and approve the following items:</p> <p>i) Pre-Ph.D. thesis submission seminar of Ms. Divya Bisht (Enrl.No.179342230).</p> <p>ii) To consider and recommend the six-monthly progress report for the period of July –December 2022 and January- June, 2023 of research scholars</p> <p>The Minutes of the Doctoral Research Committee were placed before the School Board of School of Sciences for its consideration and approval.</p>	
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of 31 st Meeting of the Doctoral Research Committee of Biochemistry held on 16 th October 2023.	
	SB 74.5.2	To consider and recommend the additional list of evaluators and Members of Moderation Board for some of the courses of (BSCBCH) B.Sc. (Hons.) Biochemistry programme. The programme is on offer from July 2020.	SB 74.5.2.1 SB 74.5.2.2

Matter for Discussion	<p>The discipline of biochemistry has proposed the additional list of evaluators for the courses of BBCCT-103 (Cell Biology), BBCCT-115 (Human Physiology), BBCS-183 (Tools and Techniques in Biochemistry) and BBCET -145 (Molecular Basis of Non infectious Human Diseases) and the names of the additional Members of Moderation Board for the courses of BBCS-183 (Tools and Techniques in Biochemistry), BBCCT-103 (Cell Biology), BBCCT-115 (Human Physiology), BBCS-183 (Tools and Techniques in Biochemistry), BBCET-145 (Molecular Basis of Non-infectious Human Diseases), BBCCT-111 (Membrane Biology and Bioenergetics), BBCCT-117 (Gene Organisation, Replication and Repair), BBCCT-121 (Concepts in Genetics), BBCCT-109 (Metabolism of carbohydrates and Lipids), BBCCT-119 (Hormone: Structure and Function), BBCET-143 (Basic Microbiology), BBCET-141 (Nutritional Biochemistry) of B.Sc. (Hons.) Biochemistry (BSCBCH) programme.</p> <p>The list of evaluators and Members of Moderation Board was placed before the School Board of School of Sciences for its consideration and recommendation.</p>	
Decision of SB	<p>The School Board of School of Sciences considered the lists of Evaluators and Members of the Moderation Board for some of the courses of B.Sc. (Hons.) Biochemistry programme and further recommended these lists for the approval of the Competent Authority.</p>	
SB 74.5.3	To consider and recommend the list of experts for programme design committee B.Sc (Honors) in Biochemistry programme under FYUP.	SB 74.5.3
Matter for Discussion	<p>The Academic Council in its 80th meeting held on 7th July 2023 approved the Board Framework for 4-year BDP under NEP 2020 in the light of the UGC Curriculum and credit Framework for undergraduate programme. In view of this, discipline of Biochemistry had submitted the list of experts for programme design committee of FYUP-B.Sc (Major) in Biochemistry for approval before the School Board of School of Sciences.</p> <p>The list of Experts was placed before the School Board of School of Sciences for its consideration and recommendation.</p>	
Decision of	The School Board of the School of Sciences	

	SB	considered and recommended the list of experts for programme design committee of BSc (Honors) in Biochemistry under FYUP for further approval of the Competent Authority.	
SB 74.6	To consider and approve agenda items pertaining to the <u>Discipline of Chemistry</u>		
	SB 74.6.1	To consider and approve the Minutes of 72nd Doctoral Research Committee Meeting of Chemistry Discipline held on 4th October 2023	SB 74.6.1
	Matter for Discussion	The 72 nd Doctoral Research Committee Meeting of Chemistry Discipline was held on 4 th October 2023 at 03:00 P.M. in Conference Room, School of Sciences, Raman Bhawan, D-Block, New Academic Complex. The agenda of the meeting was as under: i) Discontinuation of Co-supervisor for Mr. Varanasi Mallikarjun Sarma (Enrol No. 202492962) registered with Prof. Lalita S. Kumar. The Minutes of the 72 nd meeting of Doctoral Research Committee in Chemistry was placed were before the School Board for the consideration and approval.	
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of 72 nd meeting of Doctoral Research Committee in Chemistry held on 4 th October 2023	
	SB 74.6.2	To consider and recommend the name of the Editor for "Mathematics for Chemists", MCH-014 course of MSc (Chemistry) Programme	SB 74.6.2
	Matter for Discussion	The Editor for the "Mathematics for Chemists", MCH-014 course of MSc in Chemistry Programme was approved in the 73 rd Meeting of the School Board of School of Sciences. However, she had shown her inability to take up the assignment. Accordingly, a new name is being proposed for the same. The name of the Editor for MCH-018 of MSc (Chemistry) Programme was placed before the School Board for its consideration and recommendation	
	Decision of SB	The School Board of School of Sciences considered the name of Editor of the course of M.Sc. (Chemistry) Programme and recommended the name for the approval of the Competent Authority.	
	SB 74.6.3	To consider and recommend the Programme	SB 74.6.3

		Development Form (PDF) and Programme Project Report (PPR) for M.Sc. (Analytical Chemistry) programme	
	Matter for Discussion	<p>The Chemistry Discipline is in the process of developing M.Sc. (Chemistry) programme, proposed to be launched from January 2024. PGDAC (Postgraduate Diploma in Analytical Chemistry) programme is already on offer from 2009. The discipline of chemistry has proposed to offer M.Sc. (Analytical Chemistry) by utilizing the course material developed for M.Sc. (Chemistry) and the available self-learning material of PGDAC programme.</p> <p>The Programme Proposal Form (PPF) for M.Sc. (Analytical Chemistry) was approved in 73rd School Board of School of Sciences held on 11th September 2023 and further approved in the 68th APC meeting held on 12th September 2023.</p> <p>The PDF and PPR forms of M.Sc. in Analytical Chemistry was placed for the consideration and approval of the School Board of the School of Sciences.</p>	
	Decision of SB	The School Board of the School of Sciences after detailed deliberations considered and recommended the Programme Development Form (PDF) and Programme Project Report (PPR) for M.Sc. (Analytical Chemistry) programme for approval of the Academic Council.	
	SB 74.6.4	To consider and approve the evaluation methodology for M.Sc (Chemistry) programme (MSCCHEM)	SB 74.6.4
	Matter for Discussion	<p>The revised PDF and PPR forms for the MSc in Chemistry (MSCCHEM) Programme were considered and approved by the 73rd School Board of School of Sciences. The programme is proposed to be launched from January 2024 session. The discipline had proposed the detailed evaluation methodology for the same.</p> <p>The detailed evaluation methodology for the MSc in Chemistry (MSCCHEM) Programme was placed before the School Board for the consideration and approval</p>	
	Decision of SB	The School Board of School of Sciences after deliberation considered and approved the evaluation methodology of M.Sc (Chemistry) (MSCCHEM) programme.	

	SB 74.6.5	To consider and approve the evaluation methodology for M.Sc (Analytical Chemistry) (MSCANCHEM) programme	SB 74.6.5
	Matter for Discussion	<p>The Chemistry Discipline is in the process of developing M.Sc. (Chemistry) programme, proposed to be launched from January 2024. PGDAC (Postgraduate Diploma in Analytical Chemistry) programme is already on offer from 2009. The discipline of chemistry had proposed to offer M.Sc. (Analytical Chemistry) by utilizing the course material developed for M.Sc. (Chemistry) and the available self-learning material of PGDAC programme.</p> <p>The rationale and Programme structure of M.Sc. (Analytical Chemistry) programme was proposed and placed before the Programme Expert Committee meeting held on 27th July 2023 and was approved. The Programme Proposal Form (PPF) for M.Sc. (Analytical Chemistry) was approved 73rd School Board of School of Sciences held on 11th September 2023. The same was approved in the 68th APC meeting held on 12th September 2023.</p> <p>The Evaluation Methodology for M.Sc. (Analytical Chemistry) was placed for the consideration and approval of the School Board.</p>	
	Decision of SB	The School Board of School of Sciences after deliberation considered and approved the evaluation methodology of M.Sc (Analytical Chemistry) (MSCANCHEM) programme.	
SB 74.7	To consider and approve agenda items pertaining to the <u>Discipline of Geography.</u>		
	SB 74.7.1	To consider and approve the Minutes of the 76th Meeting of the Doctoral Research Committee of Geography Discipline held on September 13, 2023.	SB 74.7.1
	Matter for Discussion	<p>The Minutes 76th Meeting of the Doctoral Research Committee of Geography Discipline Group was held on September 13, 2023. The agenda of the DRC meeting were:</p> <p>i) To review the Pre-Ph.D. Thesis Submission Seminar presentation of Ms. Noopur Mishra (Enrollment no.</p>	

		179342310) July, 2017, admission cycle. The Minutes of the Doctoral Research Committee Meeting were placed before the School Board of the School of Sciences for its consideration and approval.							
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of 76 th Meeting of the Doctoral Research Committee of Geography held on 13 th September 2023.							
	SB 74.7.2	To consider and recommend the list of Members of the Moderation Board for the Second Semester Courses of M.Sc. (Geography) Programme: Climatology (MGG-005), Economic Geography (MGG-006), Environmental Geography (MGG-007) and Urban Geography (MGG-010)	SB 74.7.2						
	Matter for Discussion	The discipline of geography had proposed the lists of Members of the Moderation Board for the Second Semester Courses of M.Sc. (Geography) Programme: Climatology (MGG-005), Economic Geography (MGG-006), Environmental Geography (MGG-007) and Urban Geography (MGG-010). The lists of Members of the Moderation Board for the Second Semester Courses of M.Sc. (Geography) Programme were placed for consideration and approval of the School Board of the School of Sciences.							
	Decision of SB	The lists of Members of the Moderation Board for the Second Semester Courses of M.Sc. (Geography) Programme were considered and recommended for the approval of the Competent Authority.							
SB 75.8	To consider and approve agenda items pertaining to <u>Discipline of Geology.</u>								
	SB 74.8.1	To consider and approve the list of examiners for the evaluation of Ph.D Thesis of Mr. Bilal Ahmad Sunu (Enrollment No. 179341980) registered in PhD (Geology) programme							
	Matter for Discussion	The details of Mr. Bilal Ahmad Sunu (Enrollment No. 179341980) registered in PhD (Geology) programme are as follows:							
		<table border="1"> <tr> <td>Name</td> <td>Bilal Ahmad Sunu</td> </tr> <tr> <td>Enrolment Number</td> <td>179341980</td> </tr> <tr> <td>Date of Registration</td> <td>23/12/2017</td> </tr> </table>	Name	Bilal Ahmad Sunu	Enrolment Number	179341980	Date of Registration	23/12/2017	
Name	Bilal Ahmad Sunu								
Enrolment Number	179341980								
Date of Registration	23/12/2017								

		<p>Research Topic</p> <p>Sedimentology, geochemistry and dating of Pleistocene sediments from Nagum Formation, Kashmir: Palaeoclimatic reconstruction</p>	
		<p>Name(s) of Supervisor(s)</p> <p>Prof. Meenal Mishra, School of Sciences, IGNOU, New Delhi Dr. Hamidullah Wani (Co-Sup.) Amar Singh College, Srinagar, J & K</p>	
		<p>Number(s) of Paper Publication and Details-</p> <p>Two</p> <ul style="list-style-type: none"> H. Wani, Bilal A. Sunu, Meenal Mishra, Imran Khan (2020) Glacial vis-` a-vis tectono-provenance signals of the Plio-Pleistocene sediments of the intermontane Kashmir basin, northwestern Himalaya: Evidence from quartz micro-textures and a till deposit. Quaternary International, 568: 90–102, Published by Elsevier. Bilal A. Sunu, H. Wani, Meenal Mishra, Imran Khan (2022) Quartz microstructure characteristics of Pliocene-Pleistocene Karewa Group of Kashmir. In: (Eds.) Geological Developments in Anthropocene, B. Nallusamy, M.A. Mohammed Aslam, S. Gandhi, S. M. Hussain, Excel India Publishers, New Delhi 	
		<p>Nos. of Papers presented in conference/se minar</p> <p>Two</p> <ul style="list-style-type: none"> Presented paper 'Quartz microtexture characteristics of the Plio-Pleistocene Karewa sediments, Intermontane Kashmir basin, western Himalaya, India.' In International E-Conference on Earth and Environment in Anthropocene (ICEEA-2021) from 29th -31th October, 2021 jointly organized by Central University of Karnataka and University of Madras, Chennai, India. 	

		<ul style="list-style-type: none"> Presented paper 'Implications for cold climate at ~0.44 Ma in Kashmir basin: Evidences from clay mineralogy' in AOQR-ECR webinar series on the 'Emerging Areas of Research in Quaternary Science', Conducted between 7th September and 29th October 2020 organized by Association of Quaternary Researchers, BSIP, Lucknow, India 	
		Date of Pre-PhD thesis Presentation	Tentatively 15 th November 2023
		The list of Examiners for Evaluation of thesis was provided in a confidential cover. The matter was placed before the School Board for its consideration and approval.	
	Decision of SB	The list of Examiners for evaluation of thesis of Mr. Bilal Ahmad Sunu (Enrolment No.179341980) was read out before the Board members. The School Board of School of Sciences approved the list of examiners.	
	SB 74.8.2	To consider and approve the list of examiners for the evaluation of Ph.D Thesis of Mr. Ihsan Ullah Lone (Enrollment No. 179342001) registered in PhD (Geology) programme	
	Matter for Discussion	The details of Mr. Ihsan Ullah Lone (Enrollment No. 179342001) registered in PhD (Geology) programme are as follows:	
		Name	Ihsan Ullah Lone
		Enrolment Number	179342001
		Date of Registration	23/12/2017
		Research Topic	Petrogenesis and Tectono-Magmatic Evolution of Bukdang Mafics Associated with the Shyok Ophiolite, Ladakh Himalaya
		Name(s) of Supervisor(s)	Prof. Meenal Mishra, School of Sciences, IGNOU, New Delhi

			Dr. Rakesh Chandra, University of Kashmir, Srinagar, J & K (Co-Sup)	
		Number(s) of Paper Publication and Details- Two	<ul style="list-style-type: none"> Lone, I. U., Mishra, M., Tiwary, S. K., and Chandra, R. (2023). Recognition of Shyok Ophiolites of NW Ladakh Trans-Himalaya as a Geoheritage: Importance to Himalayan Orogeny and Remnant of Tethyan Oceanic Lithosphere. <i>Geoheritage</i>, 15 (1), 3. Springer Pub. Lone, I. U., Mishra, M., & Chandra, R. (2023). Petrological studies of Bukdang Ophiolite, Shyok Suture Zone, Trans-Himalaya. <i>Himalayan Geology</i>, 44(1), 123-139. Springer Pub. 	
		Nos. of Papers presented in conference/seminar Two	<ul style="list-style-type: none"> Presented paper 'Petrological studies of mafics from Shyok Ophiolites around Bukdang area, Shyok Suture Zone, NW Himalaya' international Conference on Advancements in Interdisciplinary Research (ICAIR-2021) from 26th- 28th October, 2021 jointly organized by Shia P.G. College, Lucknow and Science Tech Institute, Lucknow UP. Presented paper 'Geology, Petrography and Geochemistry of Ophiolitic Sequence of the Bukdang area, Shyok, Shyok Suture Zone, Ladakh Trans-Himalaya at 6th National Geo-Research Scholars meet organised by Wadia Institute of Himalayan Geology and 	

		University of Ladakh, held on 7 th June 2022 to 10 th June 2022 in Ladakh University.	
		Date of Pre-PhD thesis Presentation	Tentatively 15 th November 2023
		The list of Examiners for Evaluation of thesis was provided in a confidential cover. The matter was placed before the School Board for its consideration and approval.	
	Decision of SB	The list of Examiners for evaluation of thesis of Mr. Ihsan Ullah Lone (Enrolment No.179342001) was read out before the Board members. The School Board of School of Sciences approved the list of examiners.	
	SB 74.8.3	To consider and approve the list of examiners for evaluation of PhD. Thesis of the scholar Mr. Sourish Chatterjee (Enrollment No. 179341959) enrolled in PhD (Geology) programme	
	Matter for Discussion	The details of the scholar Sourish Chatterjee (Enrollment No. 179341959) enrolled in PhD (Geology) programme are as follows:	
		Name	Sourish Chatterjee
		Enrolment Number	179341959 (July 2017 cycle)
		Date of Registration	23/12/2017
		Research Topic	Detection of Impact Craters in Digital Planetary Images and Topographic Data
		Name of Supervisor (s)	Prof. Benidhar Deshmukh, School of Sciences, IGNOU, N. Delhi Dr. Pinaki Roy Chowdhury, Scientist-G, DGRE, DRDO, Chandigarh (Co-Supervisor)
		Number(s) of Paper Publication and Details-	S. Chatterjee (2023), "Automated Martian Crater Segmentation using Topographic Data." International Journal of All Research Education & Scientific Methods, (IJARESM), ISSN No: 2455-6211, Volume 11, Issue 10, pp. 826-829. DOI:
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		<p>https://doi.org/10.56025/IJARES.M.2023.111023829</p> <p>Number(s) of papers presented in conference/seminars</p> <ul style="list-style-type: none"> Presented paper: "The Geology of Moretus Crater on the Moon using Chandrayaan-1 and Lunar Reconnaissance Orbiter Data" in Indian Planetary Science Conference, Ahmedabad. (2020) Presented paper: "Near-Real-Time Detection of Craters: A YOLO v5 Based Approach," in International Conference on Machine Intelligence for GeoAnalytics and Remote Sensing (MIGARS), Hyderabad, India. (2023) https://doi.org/10.1109/MIGARS57353.2023.10064529 <p>Date of Pre-PhD thesis Presentation</p> <p>27th October 2023 (Tentative)</p> <p>The list of Examiners for Evaluation of thesis was provided in a confidential cover. The matter was placed before the School Board for its consideration and approval.</p>	
	Decision of SB	The list of Examiners for evaluation of thesis of Sourish Chatterjee (Enrol. No. 179341959) was read out before the Board members. The School Board of School of Sciences approved the list of examiners.	
	SB 74.8.4	To consider and approve additional names of Course Writers and Editors of the course MGY-006 Spatial Analysis and Modelling of MSCGI programme	SB 74.8.4
	Matter for Discussion	The Discipline of Geology had proposed the additional names of Course Writers and Editors of the course MGY-006 Spatial Analysis and Modelling of MSCGI programme of M.Sc. (Geoinformatics) Programme. The proposal was placed before the School Board of the School of Sciences for its consideration and approval.	

	Decision of SB	The School Board of School of Sciences the considered the additional names of course writers and editors and recommended the names for the approval of the Competent Authority.	
SB 74.9	To consider and approve agenda items pertaining to Discipline of Life Sciences.		
	SB 74.9.1	To consider and approve the Minutes of the Doctoral Committee Meeting of Life Sciences Discipline held on 3rd October, 2023.	SB 74.9.1
	Matter for Discussion	<p>The Doctoral Committee Meeting of Ph.D in Life Sciences was held on 3rd October, 2023. Following agenda was discussed and approved in the Doctoral Committee Meeting.</p> <ul style="list-style-type: none"> • Pre-thesis seminar presentation of two PHDLS students. <ul style="list-style-type: none"> i. Preeti Chaudhary (Enrollment no. 73101965) ii. N. Veena Rani (Enrollment no. 188500750) <p>The Minutes of the Doctoral Research Committee meeting at were placed before the School Board of School of Sciences for its consideration and approval.</p>	
	Decision of SB	The School Board of School of Sciences considered and approved the contents of the Minutes of the Doctoral Research Committee of Life Sciences held on 3 rd October 2023.	
	SB 74.9.2	To consider and recommend the list of consolidated external experts for the Doctoral committee of the Discipline of Life Sciences.	SB 74.9.2
	Matter for Discussion	<p>Discipline of Life Sciences has proposed the consolidated panel of experts for the Doctoral committee of Ph.D (Life Sciences) programme. The consolidated panel of experts for the Doctoral Committee of Ph.D (Life Sciences) was placed before the School Board of School of Sciences for consideration and recommendation.</p>	
	Decision of SB	The School Board of School of Sciences considered and approved the consolidated panel of experts for the Doctoral committee of Ph.D (Life Sciences) programme for further approval of Competent Authority.	
	SB 74.9.3	To consider and recommend the list of additional course writers for the different courses of M.Sc. (Zoology) Programme.	

	Matter for Discussion	<p>The Life Sciences Discipline is developing the Masters degree programme in Zoology. The list of two additional course writers for different courses of the M. Sc. (Zoology) Programme viz MZOE-004 (Insect Taxonomy and Morphology (Elective), MZOE-005 (Insect Physiology and Toxicology (Elective), MZOE-006 (Applied Entomology (Elective) and MZOL-IV (Lab Course IV) is placed before the School Board of the School of Sciences for its consideration and recommendation.</p> <p>1. Dr. Vinay Kalia Principal Scientist (Retd.) Division of Entomology IARI, Pusa, New Delhi-110012 Mobile: 9868548444 Email: vkalia_1998@gmail.com</p> <p>2. Dr. Rohit Sagar Assistant Professor in Zoology Government P.G. College, Chharra Aligarh, Uttar Pradesh-202130 Mobile: 7827149171 Email: rohit.sagar2312@gmail.com</p> <p>3. Prof. K. K. Sharma Professor in Zoology (Retd.) MDS University, Ajmer Rajasthan-305009 Mobile: 9414280984 Email: kksmds@gmail.com</p> <p>The above agenda is placed before the School Board of School of Sciences for consideration and recommendation.</p>	
	Decision of SB	<p>The School Board of School of Sciences considered and recommend the list of additional course writers for the different courses of M.Sc. (Zoology) Programme recommended the names for the approval of the Competent Authority.</p>	
SB 74.10	To consider and approve agenda Items pertaining to Discipline of Mathematics		
	SB 74.10.1	To consider, and approve the Minutes of 6th, 7th & 8th DRC meeting of Ph.D (Mathematics)	SB 74.10.1.1 SB 74.10.1.2

		programme held on 6th October, 11th October and 12th October, 2023 respectively.	SB 74.10.1.3
	Matter for Discussion	<p>The 6th DRC meeting of mathematics was held on 6th October, 2023 at 3:00 PM in the Conference Room, School of Sciences, Block-D, IGNOU. The following agenda was discussed:</p> <p>i) To consider and approve the research topic and allot research supervisor to Ms. Anjali (Enrolment No. 210270380).</p> <p>The 7th and 8th meetings of DRC of Mathematics were held on 11th October, 2023 in the conference Room, SOS, Block-D, IGNOU at 12:00 PM and 3:30 PM respectively. The agenda was to discuss:</p> <p>i) To consider and approve the research topics and allot research supervisors to Ms. Arushi Garg (Enrolment No. 210270208) and Mr. Shashank Dwivedi (Enrolment No. 210271604), respectively. The Minutes of 6th, 7th and 8th meetings of DRC of were placed before the School Board of School of Sciences for consideration and approval.</p>	
	Decision of SB	The School Board of School of Sciences considered and approved the Minutes of 6 th , 7 th and 8 th Meetings of the Doctoral Research Committee of Mathematics.	
	SB 74.10.2	To consider and recommend the list of experts for mathematics courses of different programmes under FYUP	SB 74.10.2
	Matter for Discussion	The discipline of mathematics had proposed the lists of experts for mathematics courses for different programmes under FYUP. The mathematics discipline group had planning to offer a Four-year UG programmes in Mathematics. In this regard, the mathematics discipline group proposed to hold an Expert Committee meeting to finalise the courses of mathematics of different programmes under FYUP. The list of experts was placed before the School Board of School of Sciences for consideration and recommendation.	
	Decision of SB	The School Board of the School of Sciences considered the list of experts for mathematics courses of different programmes under FYUP for further approval of the the Competent Authority.	
	SB 74.10.3	To consider and recommend the course writer for the course MMTE-002 (Design and Analysis	

		of Algorithms) of the M.Sc. (MACS) programme.	
	Matter for Discussion	<p>The Mathematics Discipline group had proposed the following course writer for MMTE-002 (Design and Analysis of Algorithms) of M.Sc. (MACS) Programme.</p> <p>Dr. Anamitra Roy Choudhury Senior Research Scientist IBM Research, India Email: anamitra.rc@gmail.com Ph.No.: 9958005830</p> <p>The above agenda was placed before the School Board of School of Sciences for its consideration and recommendation.</p>	
	Decision of SB	The School Board of School of Sciences considered the names of Course Writer courses for the course MMTE-002 (Design and Analysis of Algorithms) of the M.Sc. (MACS) programme recommended the names for the approval of the Competent Authority.	
	SB 74.10.4	To consider and recommend the revised list of Members of Moderation Board for MTE-02 (Linear Algebra) and MTE-06 (Abstract Algebra) of the BDP programme.	SB 74.10.4.1 SB 74.10.4.2
	Matter for Discussion	The discipline of mathematics has proposed the revised lists of Members of Moderation Board for course MTE-02 (Linear Algebra) and MTE-06 (Abstract Algebra) of the BDP programme. These lists were placed before the School Board of School of Sciences for consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered and recommended the revised list of Members of Moderation Board for MTE-02 (Linear Algebra) and MTE-06 (Abstract Algebra) of the BDP programme for approval of the Competent Authority.	
	SB 74.10.5	To consider and recommend the revised list Member of Moderation Board for BMTC-134 (Algebra) and BMTE-141 (Linear Algebra) of the BSCG programme.	SB 74.10.5.1 SB 74.10.5.2
	Matter for Discussion	The discipline of mathematics had proposed the lists of Member of Moderation Board for courses BMTC-134 (Algebra) and BMTE-141 (Linear Algebra) of the BSCG programme. The lists of Members of Moderation Board were placed before the School Board of School	


		of Sciences for consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered and recommended the revised list Member of Moderation Board for BMTE-134 (Algebra) and BMTE-141 (Linear Algebra) for approval of the Competent Authority.	
	SB 74.10.6	To consider and recommend the revised list Member of Moderation Board for MMT-002 (Linear Algebra), MMTE-002 (Design and Analysis Algorithms) and MMTE-006 (Cryptography) of the M.Sc. (MACS) programme.	SB 74.10.6.1, SB 74.10.6.2 SB 74.10.6.3
	Matter for Discussion	The discipline of mathematics has proposed the lists of Member of Moderation Board for course MMT-002 (Linear Algebra), MMTE-002 (Design and Analysis Algorithms) and MMTE-006 (Cryptography) of the M.Sc (MACS) programme. The lists of Members of Moderation Board were placed before the School Board of School of Sciences for consideration and recommendation	
	Decision of SB	The School Board of School of Sciences considered and recommended the revised list Member of Moderation Board for MMT-002 (Linear Algebra), MMTE-002 (Design and Analysis Algorithms) and MMTE-006 (Cryptography) of the M.Sc. (MACS) programme for the approval of the Competent Authority.	
	SB 74.10.7	To consider and approve the Programme Proposal Form (PPF) for 4-year B.Sc. (Honours) in Mathematics programme under UGC-CCFUP 2022.	SB 74.10.7
	Matter for Discussion	The mathematics discipline group proposes to offer a Four-year B.Sc. (Honours) in Mathematics Programme under UGC-CCFUP 2022 as approved in Academic Council in its 80 th meeting held on 7 th July 2023. The Programme Proposal Form (PPF) was placed before the School Board for its consideration and approval.	
	Decision of SB	The School Board deliberated on the Programme Proposal Form (PPF) of 4-year B.Sc. (Honours) in Mathematics programme under UGC-CCFUP 2022 and then approved it for further consideration and approval of the Academic Programme Committee.	

SB 74.11	To consider and approve agenda Item pertaining to the Discipline of Physics.		
	SB 74.11.1	To consider and recommend the list of additional course writers for the courses of the M.Sc. (Physics) Programme.	
	Matter for Discussion	<p>The PDF and PPR for the M.Sc. (Physics) Programme were approved in the 77th meeting of the Academic Council of the Indira Gandhi National Open University on December 28, 2021. The Programme launch Form (PLF) was approved in the 67th meeting of the Academic Programme Committee held on June 1, 2023 and the programme is now on offer from the July, 2023 cycle of admissions.</p> <p>Course writers had earlier been approved for the M. Sc. (Physics) programme in the 68th, 70th, 71st, 72nd and 73rd Meetings of the School Board of School of Sciences. However, some course writers had conveyed their inability to complete the course writing work in a time-bound fashion. Hence the names of additional course writers for two courses of the M.Sc. (Physics) Programme were placed before the School Board for its kind consideration and approval:</p> <p>Course Title: Classical Electrodynamics (Semester 2)</p> <p>1) Dr. Jyoti Ashutosh Rao, Associate Professor (Retd.), Ramnarain Ruia College, Mumbai Mobile: 9819940776 Email: jyotiarao@gmail.com</p> <p>Course Title: Condensed Matter Physics (Semester 3)</p> <p>1) Dr. Krishnakanta Mondal, Assistant Professor, Department of Physics and Astrophysics, University of Delhi, Delhi Mobile: 9424540649 Email: kmondal@physics.du.ac.in</p> <p>2) Dr. Amol Singh Assistant Professor Department of Physics and Astrophysics, University of Delhi, Delhi Mobile: 8989006807 Email: asingh1@physics.du.ac.in</p>	
	Decision of	The School Board of School of Sciences considered	

	SB	and recommended the additional list of course writers for the courses of the M.Sc. (Physics) Programme for the approval of the Competent Authority.	
SB 74.12	To consider and approve agenda Item pertaining to the Discipline of Statistics.		
	SB 74.12.1	To consider and approve a list of Experts for Expert Committee of B.Sc. (under FYUP) in Statistics.	SB 74.12.1
	Matter for Discussion	The Statistics discipline has planned to hold an Expert Committee meeting for designing the curriculum of the Minor courses of Statistics for Bachelor's degree programme under FYUP scheme in the first week of November, 2023. The names of the Experts of Expert Committee of B. Sc. (Under FYUP) in Statistics are placed before School Board of School of Sciences for consideration and recommendation. The lists of Experts for Expert Committee for the minor courses of Statistics for BDP programme under FYUP were placed before the School Board of School of Sciences for consideration and recommendation.	
	Decision of SB	The School Board of School of Sciences considered and recommended the lists of Experts for Expert Committee for the minor courses of Statistics for BDP programme under FYUP for the approval of the Competent Authority.	
SB 74.13	To consider and approve agenda Item pertaining to the Tabled items.		
	SB 74.13.1	To consider and approve the Programme Proposal Form (PPF) of the proposed B.Sc. degree programme under UGC- FYUP Framework.	SB 74.13.1
	Matter for Discussion	School of Sciences proposed to offer a 3-year Bachelor of Science (B.Sc.) programme under UGC-FYUP Framework as approved in Academic Council in its 80 th meeting held on 7 th July 2023 with multiple exits namely 1- year UG Certificate in Science and 2-year UG Diploma in Science. Hence, the Programme Proposal Form (PPF) for the B.Sc. degree programme under UGC-FYUP Framework was placed for the consideration and approval of the School Board of the School of Sciences.	

	Decision of SB	The School Board deliberated on the Programme Proposal Form (PPF) of the multidisciplinary B.Sc. degree programme (with three discipline) under UGC-FYUP Framework and then approved it for further consideration and approval of the Academic Programme Committee.	
	SB 74.13.2	To consider and approve the Programme Proposal Form (PPF) of the proposed B.Sc. (Honors) degree in Biochemistry programme under UGC-FYUP 2022.	SB 74.13.2
	Matter for Discussion	Discipline of Biochemistry has proposed to offer a four-year Bachelor of Science (Honors) in Biochemistry programme under UGC-FYUP 2022 scheme as approved in Academic Council in its 80 th meeting held on 7 th July 2023 with multiple exists as 3-year UG degree (Major), 2-year UG Diploma and 1-year UG certificate. Hence, the FYUP Programme Proposal Form (PPF) for the B.Sc. (Honors) degree programme in Biochemistry was placed for the consideration and approval of the School Board of the School of Sciences.	
	Decision of SB	The School Board deliberated on the Programme Proposal Form (PPF) of the B.Sc. (Honors) in Biochemistry programme under UGC-FYUP 2022 and then approved it for further consideration and approval of the Academic Programme Committee.	

The meeting ended with thanks to the Chair.



प्रो. मीनल मिश्रा / Prof. Meenal Mishra
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**(Prof. Meenal Mishra)
 Chairperson**