

The meeting of School Board of School of Sciences was held on 8<sup>th</sup> November 2023 Online on Google Meet platform at 2.30 pm. 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 Sehgal	External Member
7.	Prof. Rashmi Sinha	Member (Other School- SOSS)
8.	Dr. Soniya	Member (Other School-SOHS)
9.	Prof. P.V.K. Sasidhar	Member (Other School-SEDS)
10.	Prof. Sunita Malhotra	Member
11.	Prof. Sujatha Varma	Member
12.	Prof. Bharat Inder Fozdar	Member
13.	Prof. Neera Kapoor	Member
14.	Prof. S.R. Jha	Member
15.	Prof. Sanjiv Kumar	Member
16.	Prof. Lalita S. Kumar	Member
17.	Prof. Shubha Gokhale	Member
18.	Prof. Sanjay Gupta	Member
19.	Prof. Kamalika Banerjee	Member
20.	Prof. Benidhar Deshmukh	Member
21.	Prof. Manish Trivedi	Member
22.	Prof. Deepika	Member
23.	Prof. Vijay Kumar Baraik	Member
24.	Prof. Parvesh Bubber	Member
25.	Prof. Aryadeep Roy Choudhury	Member
26.	Dr. Siya Ram	Member
27.	Dr. Arvind Kumar Shakya	Member
28.	Dr. M. Prashanth	Member
29.	Dr. Pawan Kumar	Member
30.	Dr. Satya Raj	Member
31.	Dr. M. Boazbou Newmai	Member
32.	Dr. Gajraj Singh	Member

Dr. Mohd. Saleem, SOFL, Prof. Subhakanta Mohapatra and Prof. R. Baskar, 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 74<sup>th</sup> Meeting of School Board of School of Sciences held on 19<sup>th</sup> October, 2023 were circulated to all the members on 20<sup>th</sup> October 2023. The comments were incorporated and the final minutes were circulated on 24<sup>th</sup> October 2023.

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

<b>Agenda No.</b>	<b>Sub Agenda</b>	<b>Agenda</b>	<b>Annexures</b>
<b>SB 75.1</b>		<b>To consider and approve the Minutes of 74<sup>th</sup> Meeting of School Board of School of Sciences held on 19<sup>th</sup> October 2023 and the Action Taken Report on the Minutes.</b>	<b>SB 75.1.1 SB 75.1.2</b>
	<b>Matter for Discussion</b>	The Minutes of 74 <sup>th</sup> Meeting of School Board of School of Sciences held on 19 <sup>th</sup> October 2023 were circulated on 20 <sup>th</sup> October 2023. The comments and suggestions received were incorporated and thereafter the final Minutes were circulated on 24 <sup>th</sup> October 2023. The Action Taken Report (ATR) on the Minutes of 74 <sup>th</sup> Meeting of School Board of School of Sciences held on 11 <sup>th</sup> September 2023 were placed before the School Board of the School of Sciences for consideration and approval.	
	<b>Decision of SB</b>	The School Board approved the Minutes of the 74 <sup>th</sup> School Board Meeting of School of Sciences along with the Action Taken Report (ATR) on the Minutes of the 74 <sup>th</sup> School Board Meeting of School of Sciences.	
<b>SB 75.2</b>	<b>Matters arising out of the Minutes of 74<sup>th</sup> meeting of the School Board.</b>		
	<b>Matter for Discussion</b>	Matters arising from the Minutes.	
	<b>Decision of SB</b>	No matter was reported.	
<b>SB 75.3</b>		<b>To consider and nominate External Members under Clause (2)(e) of Statute 10A for the School Board of School of Sciences.</b>	<b>SB 75.3.1 SB 75.3.2</b>
	<b>Matter for Discussion</b>	It was hereby informed that the term of the External Members of the School Board of School of Sciences under Clause (2)(e) of Statute 10A would be over by 03.01.2024. The School Board of School of Sciences in its 45 <sup>th</sup> meeting held on 28 <sup>th</sup> September 2012, vide	

		<p>item No.5 [SB 45.5.1] devised a criteria for co-opting the external members to its board.</p> <p><i>"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 either 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."</i></p> <p>Accordingly, the external members from the Disciplines of Physics and Maths (old disciplines), Geography, Geology (new disciplines) and Chemistry (alphabetical order) will be the five members to be co-opted to the School Board of the School of Sciences. These five Disciplines groups had proposed the names of external members.</p>	
	<b>Decision of SB</b>	<p>The School Board considered and nominated the list of 5 experts from the Disciplines of Physics and Maths (old disciplines), Geography, Geology (new disciplines) and Chemistry (alphabetical order) to be co-opted to the School Board of the School of Sciences. It was resolved that Geology discipline will be next in order alphabetically.</p>	
<b>SB 75.4</b>	<b>To consider and approve Minutes of Expert Committee meeting of B. Sc. programme under FYUP Scheme.</b>		<b>75.4.1</b> <b>75.4.2</b> <b>75.4.3</b>
	<b>Matter for Discussion</b>	<p>The Academic Council of Indira Gandhi National Open University in its 80<sup>th</sup> meeting held on 7<sup>th</sup> 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, the Programme Proposal Form (PPF) for the B.Sc. degree programme (with three disciplines) under UGC- FYUP Framework was approved in 74<sup>th</sup> School Board of School of Sciences held on</p>	

		<p>19<sup>th</sup>October 2023 vide item No. SB 74.13.1 and thereafter PPF was approved by the Competent Authority. PPF will be placed in 69<sup>th</sup> APC for ratification.</p> <p>School of Sciences held an Expert Committee meeting of the B.Sc. under FYUP programme on 03 November, 2023 for finalizing the structural framework of the programme. Six disciplines physics, chemistry, botany, zoology, mathematics, geography and geology had proposed to offer their courses in B.Sc. programme with three disciplines under FYUP Scheme.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences after detailed deliberations considered and approved the structural framework of the programme and the contents of the Minutes of expert Committee held on 03 November, 2023.	
<b>SB 75.5</b>	<b>To consider and approve Minutes of Discipline-wise Expert Committee meetings to finalize the list of the Discipline Specific Core (DSC) Courses and their syllabi of the B. Sc. programme with three disciplines under FYUP scheme.</b>		<b>SB 75.5.1</b> <b>SB 75.5.2</b> <b>SB 75.5.3</b> <b>SB 75.5.4</b> <b>SB 75.5.5</b> <b>SB 75.5.6</b>
	<b>Matter for Discussion</b>	<p>The Discipline-wise Expert Committee meetings were held on 03 November, 2023 for finalizing the list of the Discipline Specific Core (DSC) Courses and their syllabi of the of the B. Sc. programme under FYUP scheme.</p> <p>Six disciplines Chemistry, Geography, Geology, Mathematics, Physics, Life Sciences (Botany and Zoology) have proposed to offer the DSCs in the BSc programme under FYUP.</p> <p>The Minutes of the Expert Committee meetings of the six disciplines Chemistry, Geography, Geology, Mathematics, Physics, Life Sciences were placed before the forthcoming 75<sup>th</sup> School Board of School of Sciences for its consideration and approval.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences after detailed deliberations considered and approved the list of the Discipline Specific Core (DSC) Courses from different disciplines and their syllabi and the contents of the Minutes of Expert Committee held on 03 November, 2023.	

<b>SB 75.6</b>	<b>To consider and approve Minutes of Discipline-wise Expert Committee meetings finalizing the Minor / Ability Enhancement Course (AEC) / Skill Enhancement Course (SEC) for B.Sc./ Major/Honours Bachelor's Degree Programme under FYUP Scheme.</b>		<b>SB 75.6.1 SB 75.6.2 SB 75.6.3 SB 75.6.4 SB 75.6.5 SB 75.6.6 SB 75.6.7</b>
	<b>Matter for Discussion</b>	The Discipline-wise Expert Committee meetings were held on November 03, 2023 of the seven disciplines, namely Biochemistry, Chemistry, Geography Mathematics, Physics, Statistics, Life Sciences (Botany and Zoology) for finalizing the list and syllabi of the Minor / AEC/SEC courses for B.Sc/ Major/ Honours Bachelor's Degree Programme under FYUP Scheme. Discipline-wise Expert Committee meetings recommended the list of courses under each category.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the list and syllabi of the Minor / AEC/SEC courses for B.Sc./ Major/ Honours Bachelor's Degree Programme under FYUP Scheme and the contents of the Minutes of Expert Committee held on 03 November, 2023.	
<b>SB 75.7</b>	<b>To consider and recommend the Programme Development Form (PDF) and Project Proposal Report (PPR) of B. Sc. programme under FYUP Scheme.</b>		<b>SB 75.7.1 SB 75.7.2</b>
	<b>Matter for Discussion</b>	The Programme Proposal Form (PPF) of B. Sc. programme under FYUP was approved in the 74 <sup>th</sup> School Board of School of Sciences held on October 19, 2023 and subsequently approved by the Competent Authority and will be placed before forthcoming APC meeting for ratification. School of Sciences held the Expert Committee meeting to design the structure and framework of B.Sc programme under FYUP scheme. Thereafter the Disciplines of Chemistry, Geography, Geology, Life Sciences, Mathematics and Physics conducted discipline wise Expert Committee meetings on November 3, 2023 to list the courses and design the syllabi of the DSC/ AEC and SEC Courses of the programme. The Programme Development Form (PDF) and Project Proposal Report (PPR) of B. Sc. programme under FYUP Scheme were placed before	

		the School Board of School of Sciences for its consideration and approval.	
	<b>Decision of SB</b>	The School Board of the School of Sciences after detailed deliberations considered and recommended the Programme Development Form (PDF) and Programme Project Report (PPR) of B. Sc. programme under FYUP Scheme for further approval in the Academic Council Standing Committee	
<b>SB 75.8</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Biochemistry</u></b>		
	<b>SB 75.8.1</b>	<b>To consider and recommend the Programme Launch Form (PLF) of the M.Sc. Biochemistry Programme (MSCBCH)</b>	<b>SB 75.8.1</b>
	<b>Matter for Discussion</b>	<p>The Biochemistry Discipline Group is in the process of developing M.Sc. programme in Biochemistry. The Programme Proposal Form (PPF) for the M.Sc. (Biochemistry) Programme was approved in the 69<sup>th</sup> Meeting of the School Board of the School of Sciences held on 5<sup>th</sup> April, 2022 and the 64<sup>th</sup> Meeting of the Academic Programmes Committee (APC) of the Planning Board held on June 9<sup>th</sup> 2022.</p> <p>The Programme Development Form (PDF) and Programme Project Report (PPR) for M.Sc. (Biochemistry) Programme were approved in the 70<sup>th</sup> meeting of the School Board of the School of Sciences and the same was approved in the 58<sup>th</sup> Academic Council Standing Committee vide item no.4 &amp; ACSC 58.4.2 held on 21<sup>st</sup> November, 2022. The discipline of Biochemistry proposes to launch M.Sc. (Biochemistry) programme from January 2024 cycle.</p> <p>The Programme Launch Form (PLF) of the M.Sc. (Biochemistry) Programme was placed before the School Board of School of Sciences for its consideration and recommendation.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the Programme Launch Form (PLF) of the M.Sc. (Biochemistry) Programme (MSCBCH) for its further approval in the Academic Programme Committee.	
	<b>SB 75.8.2</b>	<b>To consider and approve the Minutes of the Expert committee meeting to design and develop the programme structure of FYUP B.Sc.</b>	<b>SB 75.6.2</b>

		<b>(Honours) Biochemistry Programme held on 1<sup>st</sup> November, 2023</b>	
	<b>Matter for Discussion</b>	<p>Discipline of Biochemistry has proposed to offer a four-year Bachelor degree in B.Sc. (Honours) Biochemistry under FYUP scheme and its Programme Proposal Form (PPF) was approved in the 74<sup>th</sup> School Board meeting held on 19<sup>th</sup> October, 2023 which was further approved by Competent Authority and will be placed in 69<sup>th</sup> APC for ratification. A meeting of the Expert Committee was held on 1<sup>st</sup> November, 2023 to finalise the overall programme structure for the FYUP B.Sc. (Hons.) Biochemistry programme.</p> <p>The Minutes of the meeting of the Expert Committee were placed before the School Board of School of Sciences for its consideration and approval.</p> <p>During the discussion, it was pointed out that as per the UGC-CCFU document, there are two types of Degrees which a student can earn after four years: UG Degree (Hons.) and UG Degree (Hons. with Research). A student desirous of obtaining UG Degree (Hons. with research) is required to complete 80 credits of Discipline Specific Courses and a Project worth 12 credits. On the other hand, if a student wishes to obtain UG Degree (Hons.), s/he is required to complete 12 credits worth of DSC courses in lieu of Project. Since the Project is expected to be done in the Discipline area, these 12 additional credits of course work should have been placed in DSC (Major) column in Semesters 7 and 8 making the total credits of Discipline (Major) Specific Courses 92. In the structure approved by the Academic Council, these 12 credits have been assigned to Minor category.</p>	
	<b>Decision of SB</b>	<p>After detailed deliberations the School Board recommended that the 12 credit Minor Courses in Sem 7 and 8 of IGNOU Major/Hon structure could be assigned to Major Discipline specific courses. This correction could be made applicable for all the Major/Hon programmes under UGC-CCFU.</p> <p>In light of this recommendation, the School Board advised the Biochemistry discipline that 1 minor elective from 7<sup>th</sup> Semester and 2 minor electives from 8<sup>th</sup> semester may be reassigned as the major discipline elective courses (DSC).</p> <p>They were further advised to remove DSC-12 (8 credits) Research Project in the 8<sup>th</sup> semester.</p>	

		With these modification the School Board approved the overall programme structure and syllabi for the FYUP B.Sc. (Hons.) Biochemistry programme and the contents of the Minutes of Expert Committee held on 01 November, 2023.	
<b>SB 75.9</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Chemistry</u></b>		
	<b>SB 75.9.1</b>	<b>To consider and recommend the Programme Launch Form (PLF) for M.Sc (Chemistry) (MSCCHEM) Programme.</b>	<b>SB 75.6.3</b>
	<b>Matter for Discussion</b>	<p>The Chemistry Discipline is in the process of developing M.Sc (Chemistry) (MSCCHEM) programme which is proposed to be launched from January 2024. 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 held on 22nd July 2021 and the 61<sup>st</sup> Meeting of the Academic Programme Committee (APC) of the Planning Board on 20th September 2021. The Programme Development Form (PDF) for M.Sc. (Chemistry) was approved by the 69th Meeting of the School Board of the School of Sciences on 5th April, 2022, followed by 57th ACSC (9<sup>th</sup> June 2022) and 78th meeting of Academic Council (13<sup>th</sup> June 2022).</p> <p>The Programme structure of M.Sc. (Chemistry) programme was reviewed in a Programme Expert Committee meeting held on 27th July 2023. Consequently, the PDF and PPR were revised and presented before 73rd School Board held on 11<sup>th</sup> September 2023. After its approval by the School Board the revised PDF and PPR were approved by the Competent Authority on 30<sup>th</sup> October 2023. The Programme Launch Form (PLF) for M.Sc. (Chemistry) Programme was placed before the School Board of School of Sciences for its kind consideration and recommendation.</p>	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the Programme Launch Form (PLF) of the M.Sc. (Chemistry) Programme	

		(MSCCHEM) for further approval in the Academic Programme Committee	
	<b>SB 75.9.2</b>	<b>To consider and recommend the Programme Launch Form of M.Sc. (Analytical Chemistry) (MSCANCHEM) Programme</b>	<b>SB 75.9.2</b>
	<b>Matter for Discussion</b>	The Programme Proposal Form (PPF) for the M.Sc. (Analytical Chemistry) Programme was approved in the 68 <sup>th</sup> Meeting of the Academic Programme Committee of the Planning Board on 12 <sup>th</sup> September, 2023. The Programme Development Form (PDF) and the Programme Project Report (PPR) for the M.Sc. (Analytical Chemistry) Programme were approved in the 74 <sup>th</sup> Meeting of the School Board of School of Sciences held on 19 <sup>th</sup> October, 2023. Hon'ble Vice-Chancellor has approved the Programme 31 <sup>st</sup> October, 2023 which will be later placed in the ACSC/AC for ratification. The Chemistry Discipline proposes to launch the M.Sc. (Analytical Chemistry) Programme in January, 2024 Admission Cycle. The Programme Launch Form of M.Sc. (Analytical Chemistry) Programme was placed before the 75 <sup>th</sup> School Board of School of Sciences for its consideration and recommendation.	
	<b>Decision of SB</b>	The School Board of School of Sciences considered and recommended the Programme Launch Form (PLF) of the M.Sc. (Analytical Chemistry) Programme (MSCANCHEM) for further approval in the Academic Programme Committee	
<b>SB 75.10</b>	<b>To consider and approve agenda items pertaining to the <u>Discipline of Geography.</u></b>		
	<b>SB 75.10</b>	<b>To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of Mr. Kirpa Ram (Enrollment No.179342359; July, 2017 cycle), Ph.D. research scholar, Discipline of Geography, School of Sciences</b>	
	<b>Matter for Discussion</b>	The Ph.D. scholar Mr. Kirpa Ram (Enrollment no. 179342359; July, 2017 cycle) is registered in Ph.D (Geography). The details are mentioned below:	

		<b>Name</b>	Mr. Kirpa Ram (July, 2017 admission cycle)
		<b>Enrolment Number</b>	179342359
		<b>Date of Registration</b>	28 Dec. 2017
		<b>Research Topic</b>	"Contemporary Perceptions and Practices of Bishnoi Community on Environment and its Conservation: A Comparative Study in two Different Geographical Settings"
		<b>Name(s) of Supervisor(s)</b>	Prof. Vijay Kumar Baraik Professor in Geography, School of Sciences, IGNOU, Maidan Garhi New Delhi-110068
		<b>Number(s) of Paper Publication and Details</b>	1) Traditional Environmental Wisdom, Belief System and Perception about Environment Conservation in Bishnoi Community, <b>accepted</b> in <i>Konkan Geographer</i> , Vol. No. 30, December 2023.
		<b>Nos. of Papers presented in conference/s seminar</b>	1) "Traditional Environmental Wisdom, Belief System and Practices about Environment Conservation" in the National Conference on -Environment: Issues, Challenges and Strategies in the Dept of Geography, Samrat Prithviraj Chauhan Govt. College, Ajmer, 1st and 2nd October, 2018. 2) "Sustainable Life and Socio-Economic Condition in Remotely Village Pithawas in Western Rajasthan" in the National Seminar on Climate Change: Environment Degradation & Human Health in the Pt. Neki Ram Sharma Govt. College, Rohtak, Jan 24-25, 2019.

		<b>Date of Pre-PhD thesis Presentation</b>	Scheduled on 16.11.2023	
	<b>Decision of SB</b>	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. The list of examiners for the evaluation of Ph.D. Thesis of Mr. Kirpa Ram was read out before the Board members. The School Board of School of Sciences approved the list of examiners.		
<b>SB 75.11</b>	<b>To consider and approve agenda Item pertaining to the Discipline of Mathematics</b>			
	<b>SB 75.11</b>	<b>To consider and approve the Minutes of the Programme expert committee meeting to design the course structure of mathematics courses for the 4-year programme B.Sc. (Honours) in Mathematics and the mathematics minor courses.</b>		<b>SB 75.11</b>
	<b>Matter for Discussion</b>	The mathematics discipline group is planning to offer a Four-year undergraduate Programme with Major/Honours in Mathematics under UGC-CCFUP 2022. The PPF of the programme has been approved in 74 <sup>th</sup> meeting of School Board of School of Sciences. In this regard, an expert committee meeting was held on 31 <sup>st</sup> October, 2023 in online mode to finalise the course structure and the detailed syllabi for the courses of mathematics in i) B.Sc. (Honours) in Mathematics under FYUP ii) Mathematics minor courses The Minutes of the Expert committee were placed before the 75 <sup>th</sup> School Board of School of Sciences for its consideration and approval.		
	<b>Decision of SB</b>	The School Board of School of Sciences considered and approved the overall programme structure and syllabi for the FYUP B.Sc. (Hons.) Mathematics programme and the contents of the Minutes of Expert Committee held on 31 October, 2023.		
<b>SB 75.12</b>	<b>To consider and approve agenda Item pertaining to the Tabled item</b>			
	<b>SB 75.12</b>	<b>To consider and recommend the Programme Development Form (PDF) and Project Proposal Report of B.Sc. (Hons) Biochemistry programme under FYUP.</b>		<b>SB 75.12</b>

<b>Matter for Discussion</b>	<p>The Programme Proposal Form (PPF) of FYUP B.Sc. (Hons.) Biochemistry programme was approved in the 74th School Board meeting held on 19th October, 2023. Thereafter the PPF was approved by the Competent Authority and the same has been send to be placed in the forthcoming 69th APC scheduled on 17th November 2023 for ratification.</p> <p>In this context, the Programme Development Form (PDF) and Project Proposal Report (PPR) for the FYUP B.Sc. (Hons.) Biochemistry were placed before the School Board of School of Sciences for consideration and recommendation</p>	
<b>Decision of SB</b>	<p>In the light of the decision of SB 75.8.2, the School Board of the School of Sciences after detailed deliberations considered and recommended the Programme Development Form (PDF) and Programme Project Report (PPR) of B. Sc. (Hons.) Biochemistry programme under FYUP Scheme for further approval in the Academic Council Standing Committee</p>	

The meeting ended with thanks to the Chair.

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