

The meeting of School Board of School of Sciences was held on 25th September 2024 in the Conference Room of Raman Bhawan, School of Sciences at 11.00 am. The following members were present:

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| 1. | Prof. Meenal Mishra | Chairperson |
| 2. | Prof. S.A. Hashmi | External Member |
| 3. | Prof. Meena Sahai | External Member |
| 4. | Prof. Debendra Kumar Nayak | External Member |
| 5. | Prof. K.R. Hari | External Member |
| 6. | Prof. Rita Kakkar (Retd.) | External Member |
| 7. | Prof. Rashmi Sinha | Member (Other School- SOSS) |
| 8. | Dr. Soniya | Member (Other School-SOH) |
| 9. | Prof. Sunita Malhotra | Member |
| 10. | Prof. Sujatha Varma | Member |
| 11. | Prof. Bharat Inder Fozdar | 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. Subhakant Mohapatra | Member |
| 20. | Prof. Benidhar Deshmukh | Member |
| 21. | Prof. Manish Trivedi | Member |
| 22. | Prof. Vijay Kumar Baraik | Member |
| 23. | Prof. R. Baskar | Member |
| 24. | Prof. Parvesh Bubber | Member |
| 25. | Prof. Aryadeep Roy Choudhury | Member |
| 26. | Prof. Subhalaxmi Lamba | Member |
| 27. | Dr. Siya Ram | Member |
| 28. | Dr. Arvind Kumar Shakya | 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. P.V.K. Sasidhar, SEDS and Prof. Deepika, 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. S.A. Hashmi, University of Delhi, Delhi, Prof. Meena Sahai, University of Lucknow, Lucknow, Prof. Debendra Kumar Nayak, NEHU, Shillong, Prof. K.R. Hari, Pt. Ravishankar University, Raipur and Prof. Rita Kakkar, University of Delhi, Delhi. She further welcomed the nominated Faculty members from other Schools of IGNOU under Clause (2) (d) of the Statute 10A namely Prof. Rashmi

Sinha, SOSS and Dr. Soniya, SOH. The Chairperson extended a warm welcome to all the members of School Board from the School. Director, SOS apprised the School Board Members about the achievements made by the School since last School Board held on 9th April, 2024.

The Chairperson informed the Board that the Minutes of 76th Meeting of School Board of School of Sciences held 9th April, 2024 were circulated to all the members on 15th April 2024. The comments were incorporated and the final minutes were circulated on 19th April 2024.

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

| Agenda No. | Sub Agenda | Agenda | Annexures |
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| SB 77.1 | Confirmation of the Minutes of 76th Meeting of School Board of School of Sciences held on 9th April 2024 and the Action Taken Report on the Minutes. | | SB 77.1.1 SB 77.1.2 |
| | Matter for Discussion | The Minutes of 76 th Meeting of School Board of School of Sciences held on 9 th April 2024 were circulated on 15 th April 2024 among the members of the School Board. The comments and suggestions received were incorporated and thereafter the final Minutes were circulated on 19 th April 2024. The Action Taken Report (ATR) on the Minutes of 76 th Meeting of School Board of School of Sciences held on 9 th April 2024 were placed before the School Board of the School of Sciences for consideration and confirmation. | |
| | Decision of SB | The School Board confirmed the Minutes of the 76 th School Board Meeting of School of Sciences and approved the Action Taken Report (ATR) on the Minutes of the 76 th School Board Meeting of School of Sciences. | |
| SB 77.2 | Matters arising out of the Minutes of 76th meeting of the School Board of School of Sciences | | |
| | Matter for Discussion | Matters arising from the Minutes. | |
| | Decision of SB | No matter was reported. | |
| SB 77.3 | Confirmation of the Minutes of the item approved by circulation regarding the Programme Launch Form (PLF) of B.Sc. (Mathematics) under UGC-FYUP Framework of School of Sciences | | SB 77.3 |
| | Matter for Discussion | The approval of the Programme Launch Form (PLF) of B.Sc. (Mathematics) under UGC FYUP Framework was obtained from School Board members by circulation on 3 rd July 2024. B.Sc. (Mathematics) programme was on offer from July 2024 admission cycle as per the decision of 82 nd Academic Council meeting held on 28 th June 2024. The Programme Development Form (PDF) and Project Proposal Report (PPR) for B.Sc. (Mathematics) under FYUP were approved in 76 th School Board of School of Sciences held on 9 th April, 2024 and subsequently in 64 th | |

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| | | <p>ACSC meeting held on 28th May, 2024 and 82nd meeting of the Academic Council held on 28th June, 2024.</p> <p>As a follow up to the decision of the Academic Council Standing Committee/Academic Council, the approval of the PLF of B.Sc. (Mathematics) programme was sought by circulation on 3rd July 2024 from School Board of School of Sciences. All the members approved the item that was circulated. The approval, sought by circulation was placed before the School Board for confirmation. The matter was placed before the School Board to confirm the Minutes of the approval of above agenda items obtained by circulation.</p> | |
| | Decision of SB | The School Board of School of Sciences confirmed the matter/item approved by circulation | |
| SB 77.4 To consider and approve agenda items pertaining to the <u>Discipline of Biochemistry</u> | | | |
| | SB 77.4.1 | To consider and approve the Minutes of the 35th and 36th Doctoral Research Committee meetings of Biochemistry discipline held on 7th August, 2024 and 10th September 2024 respectively | SB 77.4.1.1 SB 77.4.1.2 |
| | Matter for Discussion | <p>A 35th meeting of the Doctoral Committee of Biochemistry was held on 7th August 2024 to consider and approve the following items:</p> <p>(a) To consider and review the Pre-Ph.D. thesis submission seminar of Ms. Sarika Chouksey</p> <p>(b) To consider and review the six-monthly progress reports of five Research Scholars enrolled in Ph.D (Biochemistry) programme for the period January to June 2024.</p> <p>A 36th meeting of the Doctoral Committee of Biochemistry was held on 10th September 2024 to consider and recommend the following items:</p> <p>(a) To consider and review the Pre-Ph.D. thesis submission seminar of Ms. Parul Gupta.</p> <p>(b) To consider and review the six-monthly progress reports of four Research Scholars enrolled in Ph.D (Biochemistry) programme for the period January to June 2024.</p> <p>(c) To consider and recommend of CV of co-supervisor for Renu Bhasin.</p> <p>The Minutes of the 35th and 36th Doctoral Research Committee of Biochemistry were placed before the School Board for its consideration and approval.</p> | |
| | Decision of SB | The School Board of School of Sciences considered and approved the Minutes of 35 th and 36 th Doctoral Research Committee of Biochemistry held on 7 th August, 2024 and 10 th September 2024 respectively. | |
| | SB 77.4.2 | To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of Ms. Sarika Chouksey | |

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| | | (Enrl.No. 198570216) registered in the Ph.D. (Biochemistry) Programme. | |
| | Matter for Discussion | The details of Ms. Sarika Chouksey (Enrl.No.198570216) enrolled in Ph.D. (Biochemistry) programme are as follows: | |
| | | Name | Sarika Chouksey |
| | | Enrolment Number | Enrol. No. 198570216 |
| | | Date of Registration | 24 July 2019 |
| | | Research Topic | Characterization of senna (<i>Cassia angustifolia</i> Vahl.) germplasm using random (non-genic) and functional (genic) DNA derived SCAR markers |
| | | Name(s) of Supervisor (s) | Dr. Maneesha Pandey, Biochemistry Discipline, SOS, IGNOU Dr Mohd. Ashraf Ashfaq, Dept. of Botany, Jamia Hamdard, New Delhi. |
| | Number(s) of Paper Publication and Details | Development of highly discriminatory SCoT and CBDP-based SCAR fingerprint for authentication of Indian senna, (<i>Senna alexandrina</i> Mill. formerly <i>Cassia angustifolia</i> Vahl.)” Published 04 July 2024 DOI 10.3389/fpls.2024.142466 | |
| | Presentation of papers in seminars/conferences | <ul style="list-style-type: none"> Presented paper” Molecular characterization of Senna (<i>Cassia angustifolia</i> Vahl.) using genic Random Amplification of Polymorphic DNA (RAPD) and Inter Simple Sequence Repeats (ISSR) Based Sequence Characterized Amplified Region (SCAR) markers” in “1st National Conference on Plant Genetic Resource Management “(NCPGRM 2022) on 22-24 November 2022 held at National Agricultural Science | |

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| | | <p>Centre (NASC) Pusa Campus, New Delhi.</p> <ul style="list-style-type: none"> Presented paper “Molecular Characterization of Senna (Cassia angustifolia Vahl.) using genic Start Codon Targeted Polymorphism (Scot) And CAAT Box Derived Polymorphism (CBDP) Based Sequence Characterized Amplified Region (SCAR) Markers” in the International Conference of Natural Science and Green Technologies for Sustainable Development (NTSD-2022), on 30th November – 2nd December 2022, National Environmental Science Academy, New Delhi, and Goa University, Goa. | |
| | | <p>Date of Pre-PhD thesis Presentation</p> | <p>7th August 2024</p> |
| | | <p>The list of Experts for Evaluation of Thesis was provided in a Confidential Cover for approval of the School Board of School of Sciences.</p> | |
| | Decision of SB | <p>The list of Examiners for evaluation of thesis of Ms. Sarika Chouksey (Enrl.No.198570216) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.</p> | |
| | SB 77.4.3 | <p>To consider and recommend the consolidated list of Experts for Doctoral Committee of PhD (Biochemistry) programme (PHDBC)</p> | SB 77.4.3 |
| | Matter for Discussion | <p>Discipline of Biochemistry, School of Sciences is offering PhD (Biochemistry) programme (PHDBC) since 2012. In this context the discipline had proposed consolidated list of Experts for the Doctoral Committee for PhD (Biochemistry) programme (PHDBC). The consolidated list of experts for the Doctoral Research Committee for PhD (Biochemistry) programme was 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 the consolidated list of experts for the Doctoral Research Committee of PhD (Biochemistry) programme and recommended the same for the approval of the Competent</p> | |

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| | | Authority. | |
| | Matter for Discussion | M.Sc. Biochemistry programme (MSCBCH) is on offer by IGNOU since January 2024. The names of the Paper Setters, Members of Moderation Board and Evaluators proposed by Biochemistry Discipline for the courses: Concepts of Biochemistry (MBC-001), Cell and Molecular Biology (MBC-002), Bioanalytical Techniques (MBC-003), Enzymes and its applications (MBC-004), Concepts and connections in metabolism (MBC-005), Recombinant DNA Technology and its applications (MBC-006), Plant Biochemistry (MBCE-012), Human Physiology (MBCE-013) and Microbiology (MBCE-014) of M.Sc. (Biochemistry) Programme (MSCBCH) were placed before the School Board for its consideration and recommendation. | |
| | Decision of SB | After much deliberation the School Board of School of Sciences considered the names of the Paper setters, Members of Moderation Board and Evaluators Courses of M.Sc. (Biochemistry) Programme (MSCBCH) and recommended the same for the approval of the Competent Authority. | |
| | SB 77.4.5 | To consider and recommend the names of course writers and editors for the courses: MBCE-012: Plant Biochemistry, MBC-006: Recombinant DNA Technology and its Applications and MBC-007: Bioinformatics and Biostatistics, MBC-003: Enzymology and MBC-005: Concepts and connections in metabolism, of the M.Sc. (Biochemistry) Programme (MSCBCH) | SB 77.4.5 |
| | Matter for Discussion | Biochemistry discipline is in process of developing study material for the M.Sc. (Biochemistry). The Programme Development form (PDF) and Programme Project Report (PPR) forms of M.Sc. (Biochemistry) were duly approved by the 58 th meeting of Academic Council Standing Committee held on 21 st Nov, 2022. In this context, the names of course writers and editors for the theory and lab courses: MBCE-012: Plant Biochemistry, MBC-006: Recombinant DNA Technology and its Applications and MBC-007: Bioinformatics and Biostatistics, MBC-003: Enzymology and MBC-005: Concepts and connections in metabolism, of the M.Sc. (Biochemistry) Programme (MSCBCH) proposed by the discipline were placed before the School Board for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered and the names of course writers and editors for the courses of M.Sc. (Biochemistry) Programme (MSCBCH) and recommended the same for the approval of the Competent Authority. | |
| | SB 77.4.6 | To consider and recommend the consolidated list of Paper Setters, Members of Moderation Board and Evaluators for the courses: (BBCCT-101 and BBCCL-102), (BBCCT-103 and BBCCL-104), (BBCCT-105 and BBCCL-106), (BBCCT-107 and BBCCL-108), (BBCCT-109 | SB 77.4.6.1 SB 77.4.6.2 SB 77.4.6.3 |

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| | | and BBCCL-110), (BBCCT-111 and BBCCL-112), (BBCCT-113 and BBCCL-114), (BBCCT-115 and BBCCL-116), (BBCCT-117 and BBCCL-118), Hormone: (BBCCT-119 and BBCCL-120), (BBCCT-121 and BBCCL-122), (BBCCT-123 and BBCCL-124), (BBCCT-125 and BBCCL-126), (BBCCT-127 and BBCCL-128), (BBCET-141 and BBCEL-142), (BBCET-143 and BBCEL-144), (BBCET-145 and BBCEL-146), (BBCET-151 and BBCEL-152), (BBCS-183), (BBCS-185) for the B.Sc. (Hons.) Biochemistry Programme (BSCBCH) and B.Sc. (Major) Biochemistry programme being offered under FYUP (BSCFBC) | |
| | Matter for Discussion | B.Sc. (Biochemistry) programme under FYUP (BSCFBC) is on offer since January 2024. Since most of the courses offered in BSCBCH programme are being offered as in BSCFBC. Therefore, consolidated lists of Paper Setters, Members of Moderation Board and Evaluators of courses for both the programmes had been proposed by Biochemistry Discipline. The Paper Setters, Members of Moderation Board and Evaluators for the courses: Molecules of Life (BBCCT-101 and BBCCL-102), Cell Biology (BBCCT-103 and BBCCL-104), Proteins (BBCCT-105 and BBCCL-106), Enzymology (BBCCT-107 and BBCCL-108), Metabolism of Carbohydrates and Lipids (BBCCT-109 and BBCCL-110), Membrane Biology and Bioenergetics (BBCCT-111 and BBCCL-112), Metabolism of Amino Acids and Nucleotides (BBCCT-113 and BBCCL-114), Human Physiology (BBCCT-115 and BBCCL-116), Gene Organization Replication and Repair (BBCCT-117 and BBCCL-118), Hormone: Biochemistry and Function (BBCCT-119 and BBCCL-120), Concepts in Genetics (BBCCT-121 and BBCCL-122), Gene Expression and Regulation (BBCCT-123 and BBCCL-124), Genetics Engineering and Biotechnology (BBCCT-125 and BBCCL-126), Immunology (BBCCT-127 and BBCCL-128), Nutritional Biochemistry (BBCET-141 and BBCEL-142), Basic Microbiology (BBCET-143 and BBCEL-144), Molecular basis of non-infectious human diseases (BBCET-145 and BBCEL-146), Plant Biochemistry (BBCET-151 and BBCEL-152), Tools and Techniques in Biochemistry (BBCS-183), Bioinformatics (BBCS-185) BSCBCH and BSCFBC were placed before the School Board for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the consolidated list of Paper setters, Members of Moderation Board and Evaluators Courses for the B.Sc. (Hons.) Biochemistry Programme (BSCBCH) and B.Sc. (Major) Biochemistry programme being offered under FYUP (BSCFBC) programme and recommended the same for the approval of the Competent Authority. | |
| SB 77.5 | To consider and approve agenda items pertaining to the <u>Discipline of Chemistry</u> | | |
| | SB 77.5.1 | To consider and approve the Minutes of 74th Doctoral | SB 77.5.1 |

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| | | Research Committee Meeting of Chemistry Discipline held on 30th July 2024. | |
| | Matter for Discussion | <p>The 74th Doctoral Research Committee Meeting of Chemistry Discipline was held on 30th July 2024 at 11:00 A.M. in Conference Room, School of Sciences, Raman Bhawan, D-Block, New Academic Complex. The agenda of meeting discussed was:</p> <p>a) Presentation of six-monthly progress reports by nine research scholars enrolled in PhD (Chemistry) Programme.</p> <p>b) To consider and approve the cancellation of registration of Mr. Raju Mappelly (Enrolment No. 179342595). The Minutes of 74th Doctoral Research Committee Programme 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 74 th Doctoral Research Committee Meeting for Chemistry held on 30 th July 2024. However, the agenda related to the cancellation of registration of Mr. Raju Mappelly (Enrolment No. 179342595) was deferred by the School Board to next DRC. The supervisor was advised to send three letters by registered post to the candidate. | |
| | SB 77.5.2 | To consider and recommend the list of Paper Setters, Members of Moderation Board and Evaluators for the 1st and 2nd semester courses of the M.Sc (Chemistry) programme (MSCCHEM) and M.Sc (Analytical Chemistry) Programme (MSCANCHEM): MCH-011 (Inorganic Chemistry-I), MCH-012 (Organic Chemistry-I), MCH-013 (General Physical Chemistry), MCH-014 (Mathematics for Chemists), MCH-015 (Biology for Chemists), MCH-016 (Inorganic Chemistry-II), MCH-017 (Organic Chemistry-II), MCH-018 (Quantum Chemistry and group theory) and MCH-019 (Green Chemistry). | SB 77.5.2.1 SB 77.5.2.2 SB 77.5.2.3 |
| | Matter for Discussion | The list of the Paper Setters, Members of the Moderation Board and Evaluators for the 1 st and 2 nd semester courses of the M.Sc (Chemistry) programme (MSCCHEM) and M.Sc (Analytical Chemistry) Programme (MSCANCHEM): MCH-011 (Inorganic Chemistry-I), MCH-012 (Organic Chemistry-I), MCH-013 (General Physical Chemistry), MCH-014 (Mathematics for Chemists), MCH-015 (Biology for Chemists), MCH-016 (Inorganic Chemistry-II), MCH-017 (Organic Chemistry-II), MCH-018 (Quantum Chemistry and group theory) and MCH-019 (Green Chemistry) for the M.Sc. (Chemistry) programme was placed before the School Board of School of Sciences for its consideration and recommendation. Prof. Sunita Malhotra gave the note of dissent on the decision. | |
| | Decision of | The School Board of School of Sciences considered and the | |

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| | SB | list of Paper Setters, Members of Moderation Board and Evaluators for the 1 st and 2 nd semester courses of the M.Sc (Chemistry) programme (MSCCHEM) and M.Sc (Analytical Chemistry) Programme (MSCANCHEM) and recommended the same for the approval of the Competent Authority. | |
| | SB 77.5.3 | To consider and recommend the list of editors for the 2nd, 3rd and 4th semesters courses: MCH-016 (Inorganic Chemistry-II), MCH-021 (Chemistry of Materials), MCH-022 (Separation and Spectroscopic Methods), MCH-023 (Environmental Chemistry), MCH-024 (Introduction to research), MCH-025 (Electroanalytical and Other analytical methods) of M.Sc (Chemistry) programme (MSCCHEM). | SB 77.5.3 |
| | Matter for Discussion | The Chemistry Discipline is in the process of developing the Master's degree programme in Chemistry and had proposed the list of editors of 2 nd , 3 rd and 4 th semester courses: MCH-016 (Inorganic Chemistry-II), MCH-021 (Chemistry of Materials), MCH-022 (Separation and Spectroscopic Methods), MCH-023 (Environmental Chemistry), MCH-024 (Introduction to research), MCH-025 (Electroanalytical and Other analytical methods) of the M.Sc (Chemistry) programme (MSCCHEM) was placed before the School Board of the School of Sciences for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the list of Editors for the 2 nd , 3 rd and 4 th semesters courses and recommended the same for the approval of the Competent Authority. | |
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| SB 77.6 | To consider and approve agenda items pertaining to the <u>discipline of Geography</u>. | | |
| | SB 77.6.1 | To consider and approve the Minutes of the 81st and 82nd Meetings of the Doctoral Research Committee of Geography Discipline held on 26th April 26, 2024 and 7th June, 2024 respectively | SB 77.6.1.1 SB 77.6.1.2 |
| | Matter for Discussion | The 81 st Doctoral Research Committee meeting of Geography Discipline was held on 26 th April, 2024. The following items were discussed in the meeting: (a) To review the Pre-Ph.D. Seminar presentation by Mr. Manendra Kumar, (Enrollment No. 202492608) July 2020 admission cycle. (b) To consider and approve the minor change in the approved Research Topic of Ms. Arpita Goyal (Enrolment No. 202493498, July, 2020 Admission cycle The 82 nd Doctoral Research Committee meeting of Geography Discipline held on 7 th June, 2024. The following item was discussed in the meeting: (a) To review the Pre-Ph.D. Thesis Submission Seminar presentation by Mr. Sunny Sharma (Enrollment no. 188500102) and Mr. Ashwani Parmar (enrollment no. 188500134) July, 2018, admission cycle. The Minutes of the Doctoral Research Committee Meetings | |

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| | | were placed before the School Board of School of Sciences for consideration | |
| | Decision of SB | The School Board of School of Sciences considered and approved the contents of the Minutes of the 81 st and 82 nd Meetings of the Doctoral Research Committee of Geography Discipline held on 26 th April, 2024 and 7 th June, 2024. | |
| | SB 77.6.2 | To consider and approve the Minutes of the 83rd and 84th Meetings of the Doctoral Research Committee of Geography Discipline held on July 22, 2024 and August 12, 2024 respectively. | SB 77.6.2 |
| | Matter for Discussion | <p>The 83rd Doctoral Research Committee meeting of Geography Discipline was held on 22nd July, 2024. The following items were discussed:</p> <ul style="list-style-type: none"> • To review the Progress Reports of five Research Scholars registered in Ph.D. (Geography) Programme of 2020 admission cycle. • To review the first Mandatory work in Progress Seminar of three Research Scholar registered in Ph.D. Geography Programme. • To review the Pre-Ph.D. Thesis Submission Seminar presentation by Mr. Manoj Kumar (enrollment no. 20249331) July 2020 cycle. <p>The 84th Doctoral Research Committee meeting of Geography Discipline was held on 12 August, 2024. The following items were discussed:</p> <ul style="list-style-type: none"> • To review the six-monthly progress reports of 11 research scholars enrolled in PhD (Geography) programme of July 2017, 2018 and 2020 admission cycle. • To review the Mandatory work-in progress of five research scholars. • To consider the request one research scholar for withdrawal from PhD (Geography) Programme admitted in July 2023 cycle. <p>The Minutes of the Doctoral Research Committee Meetings were placed before the School Board of School of Sciences for consideration.</p> | |
| | Decision of SB | The School Board of School of Sciences considered and approved the contents of the Minutes of the 83 rd and 84 th Meetings of the Doctoral Research Committee of Geography Discipline held on July 22, 2024 and August 12, 2024. | |
| | SB77.6.3 | To consider and recommend the list of the Paper Setters for the second semester courses of M.Sc. (Geography) Programme: Climatology (MGG-005), Economic Geography (MGG-006), Environmental Geography (MGG-007), Urban Geography (MGG-010). | SB 77.6.3 |
| | Matter for Discussion | M.Sc. (Geography) Programme is on offer from July 2023 cycle. In this regard the Discipline of Geography had proposed the names of paper setters for the second semester courses of M.Sc. (Geography) Programme: Climatology (MGG-005), Economic Geography (MGG-006), | |

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| | | Environmental Geography (MGG-007) and Urban Geography (MGG-010). The above agenda item was placed before the School Board of the School of Sciences for its consideration and recommendation. | | | | | | | | | | | | | |
| | Decision of SB | The School Board of School of Sciences considered and Paper Setters for the Second Semester Courses of M.Sc. (Geography) Programme and recommended the same for the approval of the Competent Authority. | | | | | | | | | | | | | |
| | SB 77.6.4 | To consider and recommend the list of the Paper Setters, Members of the Moderation Board and Evaluators for the third Semester Courses of M.Sc. (Geography) Programme: Social Geography (MGG-009), Geographical Information System (GIS) (MGG-011) and Oceanography (MGG-013) | SB 77.6.4.1 SB 77.6.4.2 SB 77.6.4.3 | | | | | | | | | | | | |
| | Matter for Discussion | The discipline of geography is in the process of developing M.Sc. (Geography) programme. The discipline had proposed the list of the Paper Setters, Members of the Moderation Board and Evaluators for the third Semester Courses of M.Sc. (Geography) Programme: Social Geography (MGG-009), Geographical Information System (GIS) (MGG-011) and Oceanography (MGG-013). The list of the Paper Setters, Members of the Moderation Board and Evaluators for the third Semester Courses of M.Sc. (Geography) Programme was placed before the School Board of the School of Sciences for its consideration and recommendation. | | | | | | | | | | | | | |
| | Decision of SB | The School Board of School of Sciences considered and the list of the Paper Setters, Members of the Moderation Board and Evaluators for the third Semester Courses of M.Sc. (Geography) Programme and recommended the same for the approval of the Competent Authority. | | | | | | | | | | | | | |
| | SB 77.6.5 | To consider and approve the list of examiners for evaluation of PhD Thesis of Mr. Sunny Sharma (Enrollment No. 188500102) enrolled in PhD (Geography) programme. | | | | | | | | | | | | | |
| | Matter for Discussion | <p>The Ph.D. scholar Mr. Sunny Sharma (Enrollment No. 188500102) is enrolled in PhD (Geography) programme. The details are mentioned below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Name</td> <td>Mr. Sunny Sharma (July, 2018 admission cycle)</td> </tr> <tr> <td>Enrolment Number</td> <td>188500102</td> </tr> <tr> <td>Date of Registration</td> <td>28/06/2018</td> </tr> <tr> <td>Research Topic</td> <td>“Socio-Ecological Resilience to Hazards in Chamba District of Himachal Pradesh”</td> </tr> <tr> <td>Name(s) of Supervisor(s)</td> <td>Prof. Subhakanta Mohapatra Professor, Discipline of Geography, School of Sciences, IGNOU</td> </tr> <tr> <td>Number(s) of Paper</td> <td>a) Sharma, S. and Mohapatra, S. (2023). An Assessment of</td> </tr> </table> | Name | Mr. Sunny Sharma (July, 2018 admission cycle) | Enrolment Number | 188500102 | Date of Registration | 28/06/2018 | Research Topic | “Socio-Ecological Resilience to Hazards in Chamba District of Himachal Pradesh” | Name(s) of Supervisor(s) | Prof. Subhakanta Mohapatra Professor, Discipline of Geography, School of Sciences, IGNOU | Number(s) of Paper | a) Sharma, S. and Mohapatra, S. (2023). An Assessment of | |
| Name | Mr. Sunny Sharma (July, 2018 admission cycle) | | | | | | | | | | | | | | |
| Enrolment Number | 188500102 | | | | | | | | | | | | | | |
| Date of Registration | 28/06/2018 | | | | | | | | | | | | | | |
| Research Topic | “Socio-Ecological Resilience to Hazards in Chamba District of Himachal Pradesh” | | | | | | | | | | | | | | |
| Name(s) of Supervisor(s) | Prof. Subhakanta Mohapatra Professor, Discipline of Geography, School of Sciences, IGNOU | | | | | | | | | | | | | | |
| Number(s) of Paper | a) Sharma, S. and Mohapatra, S. (2023). An Assessment of | | | | | | | | | | | | | | |

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| | | Publication and Details | Environmental Hazardscape : An Inter district Analysis. International Journal of Research and Analytical Reviews (IJRAR), Vol 6, Issue (11 & amp;12), pp- 2385-2390. Doi:10.36537/IJASS/6.11& 12/2385-2390. b)Sharma, S. and Mohapatra, S. (2023). A Conceptual Framework of Vulnerability and Resilience to Hazard: A Comprehensive Analysis. International Journal of All Research Education and Scientific Methods (IJARESM), Volume 11, Issue 5, May 2023, ISSN:.2455-6211 | |
| | | Nos. of Papers presented in conference/seminar | 1. Social Ecological Assessment of Hazards in Chamba District of Himachal Pradesh: International Conference on Tourism, Business Management, Sciences, Social Sciences & Humanities organized by Govt. Degree College, Dharamshala (H.P.) December, 2022. 2. Vulnerability to natural Hazards in the Chamba District of Himachal Pradesh: International Conference on environmental concerns, climate change and resource managements in the west Himalayans by Rabindranath Tagore Govt. Degree College Sarkaghat, District Mandi H.P. June 2023. | |
| | | Date of Pre-PhD thesis Presentation | 07.06.2024 | |
| | Decision of SB | The list of Examiners for Evaluation of thesis was provided in a confidential cover before the School Board of the School of Sciences for its consideration and approval. | | |
| | SB 77.6.6 | To consider and approve the list of examiners for evaluation of PhD Thesis of Mr. Ashwani Parmar (Enrollment No. 188500134) enrolled in PhD (Geography) programme. | | |

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| Matter for Discussion | The Ph.D. scholar Mr. Ashwani Parmar (Enrollment No. 188500134) is enrolled in PhD (Geography) programme. The details are mentioned below: | |
| | Name | Mr. Ashwani Parmar (July, 2018 admission cycle) |
| | Enrolment Number | 188500134 |
| | Date of Registration | 28/06/2018 |
| | Research Topic | “Climate Change, Agriculture and Gender Gap: A Comparative Study of Semi-Arid and Dry SubHumid parts of Haryana” |
| | Name(s) of Supervisor(s) | Dr. Vishal Warpa Associate Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, New Delhi- 110068 |
| | Number(s) of Paper: One Publication and Details | Parmar A., & Warpa V., (2024): Climate Change and Vulnerability of Women: An Analytical Study of Haryana. International Journal of Research and Analytical Reviews (IJRAR), 11. (2). pp.16-19), E-ISSN: 2348-1269, P- ISSN: 2349-5138. |
| Nos. of Papers presented in conference/seminar | <ul style="list-style-type: none"> • Differentiated Impacts of Climate Change on Agriculture in Semi-Arid and Dry SubHumid Regions of Haryana. National Conference on Environment and Resource Management for Sustainable Future organised by Dyal Singh College, Karnal, Haryana, February 9-10, 2024. • Climate Change and Changing Role of Women in Agriculture of Yamuna Nagar and Mahendragarh Districts of Haryana. National Seminars on Climate Change: Issues and Challenges organised by Department of Geography, Sri Dev Suman Uttarakhand University, Rishikesh campus and Geographical Society of Uttarakhand (GSUK) March 05-06, 2024. | |
| Date of Pre-PhD thesis Presentation | 07.06.2024 | |

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| | | The list of Examiners for Evaluation of thesis was provided in a confidential cover before the School Board of the School of Sciences for its consideration and approval. | | | | | | | | | | | | | | | |
| | Decision of SB | The list of Examiners for evaluation of Mr. Ashwani Parmar (Enrollment No. 188500134) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes. | | | | | | | | | | | | | | | |
| | SB 77.6.7 | To consider and approve the list of examiners for evaluation of PhD Thesis of Mr. Manendra Kumar (Enrollment No. 202492608) enrolled in PhD (Geography) programme. | | | | | | | | | | | | | | | |
| | Matter for Discussion | <p>The Ph.D. scholar Mr. Manendra Kumar (Enrollment No. 202492608) is enrolled in PhD (Geography) programme. The details are mentioned below:</p> <table border="1"> <tr> <td>Name</td> <td>Mr. Manendra Kumar</td> </tr> <tr> <td>Enrolment Number</td> <td>202492608 (July, 2020 admission cycle)</td> </tr> <tr> <td>Date of Registration</td> <td>December 23, 2020</td> </tr> <tr> <td>Research Topic</td> <td>“Digital Inclusion-Exclusion and its Role in Regional and Social Development in India.”</td> </tr> <tr> <td>Name(s) of Supervisor(s)</td> <td>Prof. Vijay Kumar Baraik Discipline of Geography, School of Sciences, IGNOU, New Delhi- 110068</td> </tr> <tr> <td>Number(s) of Paper published</td> <td>Kumar, M & VK Baraik (2023): Assessing Livelihood Vulnerability in Diara with Special Reference to Flood: A Case Study of West Chamaparan District of Bihar. Annals of National Association of Geographers, India. Vol. 43, pp. 141-151, No. 1. ISSN No. 0970-972X, (UGC Care Listed)</td> </tr> <tr> <td>Nos. of Papers presented in conference/seminar: (Two)</td> <td> <ul style="list-style-type: none"> • Spatial Pattern of Access to Digital Space among the Scheduled Tribes in India in an International conference titled Significance of Technology in Empowering Tribal Community in India organized by CSPP, JNU on 24th Aug. 2022. • Presented a paper titled “Geography of Digital Development and Its Socio-economic Determinants in India” at DGSI XVII </td> </tr> </table> | Name | Mr. Manendra Kumar | Enrolment Number | 202492608 (July, 2020 admission cycle) | Date of Registration | December 23, 2020 | Research Topic | “Digital Inclusion-Exclusion and its Role in Regional and Social Development in India.” | Name(s) of Supervisor(s) | Prof. Vijay Kumar Baraik Discipline of Geography, School of Sciences, IGNOU, New Delhi- 110068 | Number(s) of Paper published | Kumar, M & VK Baraik (2023): Assessing Livelihood Vulnerability in Diara with Special Reference to Flood: A Case Study of West Chamaparan District of Bihar. Annals of National Association of Geographers, India. Vol. 43, pp. 141-151, No. 1. ISSN No. 0970-972X, (UGC Care Listed) | Nos. of Papers presented in conference/seminar: (Two) | <ul style="list-style-type: none"> • Spatial Pattern of Access to Digital Space among the Scheduled Tribes in India in an International conference titled Significance of Technology in Empowering Tribal Community in India organized by CSPP, JNU on 24th Aug. 2022. • Presented a paper titled “Geography of Digital Development and Its Socio-economic Determinants in India” at DGSI XVII | |
| Name | Mr. Manendra Kumar | | | | | | | | | | | | | | | | |
| Enrolment Number | 202492608 (July, 2020 admission cycle) | | | | | | | | | | | | | | | | |
| Date of Registration | December 23, 2020 | | | | | | | | | | | | | | | | |
| Research Topic | “Digital Inclusion-Exclusion and its Role in Regional and Social Development in India.” | | | | | | | | | | | | | | | | |
| Name(s) of Supervisor(s) | Prof. Vijay Kumar Baraik Discipline of Geography, School of Sciences, IGNOU, New Delhi- 110068 | | | | | | | | | | | | | | | | |
| Number(s) of Paper published | Kumar, M & VK Baraik (2023): Assessing Livelihood Vulnerability in Diara with Special Reference to Flood: A Case Study of West Chamaparan District of Bihar. Annals of National Association of Geographers, India. Vol. 43, pp. 141-151, No. 1. ISSN No. 0970-972X, (UGC Care Listed) | | | | | | | | | | | | | | | | |
| Nos. of Papers presented in conference/seminar: (Two) | <ul style="list-style-type: none"> • Spatial Pattern of Access to Digital Space among the Scheduled Tribes in India in an International conference titled Significance of Technology in Empowering Tribal Community in India organized by CSPP, JNU on 24th Aug. 2022. • Presented a paper titled “Geography of Digital Development and Its Socio-economic Determinants in India” at DGSI XVII | | | | | | | | | | | | | | | | |

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| | | International Geography Conference at BHU, Varanasi, between 25th - 27th Feb. 2023. | |
| | | Date of Pre-PhD thesis Presentation | 26.04.2024 |
| | | The list of Examiners for Evaluation of thesis was provided in a confidential cover before the School Board of the School of Sciences for its consideration and approval. | |
| | Decision of SB | The list of Examiners for evaluation of thesis Mr. Manendra Kumar (Enrolment No. 202492608) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes. | |
| | SB 77.6.8 | To consider and approve the list of examiners for evaluation of PhD Thesis of Mr. Manoj Kumar (Enrollment No. 220249331) enrolled in PhD (Geography) programme. | |
| | Matter for Discussion | The Ph.D. scholar Mr. Manoj Kumar (Enrolment No. 220249331) is enrolled in PhD (Geography) programme. The details are mentioned below: | |
| | | Name | Mr. Manoj Kumar |
| | | Enrolment Number | 220249331 (July, 2020 admission cycle) |
| | | Date of Registration | December 23, 2020 |
| | | Research Topic | “Urban Expansion and Slope Stability Analysis around Shimla City in Himachal Pradesh” |
| | | Name(s) of Supervisor(s) | Dr. Krishna Kumar Assistant Professor in Geography, Discipline of Geography, School of Sciences, IGNOU, New Delhi- 110068 |
| | | Number(s) of published | Paper titled “Geospatial Analysis of Seismic Zone and Infrastructure Development Challenge in Himachal Pradesh” is published in the UGC Care listed journal “Disaster and Development” ‘published by NIDM, New Delhi, Volume 12, Issue 02, July to December 2023, pp.- 75-89. ISSN: 0973-6700. Online link: https://nidm.gov.in/journal19.asp |
| | | Nos. of Papers presented in conference/seminar: (Two) | <ul style="list-style-type: none"> Presented a Research paper titled “Is Sustainable and Smart City an Urban Utopia? Evidence from Shimla, HP” in the National Seminar on |

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| | | <p>“Building a Resilient Future: Integrating environment and technology” Organized by Department of Geography, St. Bede’s College, Shimla, HP, during March 24-25, 2023.</p> <ul style="list-style-type: none"> Presented a Research paper titled “Impact of Urbanization on natural spring and Spring Shed Management in Urban Planet: A Case study of Shimla City, Himachal Pradesh” in the 43rd INCA International Congress Organized by Indian National Cartographic Association (INCA), hosted by Regional Remote sensing Centre – West, National Remote Sensing Centre, Indian Space Research Organization, Jodhpur during November 06-08, 2023. | |
| | | <p>Date of Pre-PhD thesis Presentation</p> | 22.07.2024 |
| | | <p>The list of Examiners for Evaluation of thesis was provided in a confidential cover before the School Board of the School of Sciences for its consideration and approval.</p> | |
| | Decision of SB | <p>The list of Examiners for evaluation of thesis Mr. Manoj Kumar (Enrolment No. 220249331) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.</p> | |
| | SB 77.6.9 | <p>To consider and recommend the additional list of Course Writers and Editors for courses: Social Geography (MGG-009), Introduction to Remote Sensing (MGG-012), Geographical Information System (GIS) (MGG-011), Remote Sensing Techniques (MGGL-005) and Oceanography (MGG-013) of M.Sc. (Geography) Programme.</p> | |
| | Matter for Discussion | <p>The discipline of geography is in the process of developing M.Sc. (Geography) programme. The discipline has proposed the additional list of Course Writers and Editors for courses: Social Geography (MGG-009), Introduction to Remote Sensing (MGG-012), Geographical Information System (GIS) (MGG-011), Remote Sensing Techniques (MGGL-005) and Oceanography (MGG-013) of M.Sc. Geography Programme.</p> <p>The above agenda item was placed before the School</p> | |

| | | Board of the School of Sciences for its consideration and recommendation. | | | | | | | | | |
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| | Decision of SB | The School Board of School of Sciences considered the additional list of Course Writers and Editors for courses of M.Sc. (Geography) Programme and recommended the same for the approval of the Competent Authority. | | | | | | | | | |
| | SB 77.6.10 | To consider and recommend the name of Editor for course: Field Survey Methods: Physical and Socio-Economic (MGGL-004) of M.Sc. (Geography) Programme. | | | | | | | | | |
| | Matter for Discussion | The discipline of geography had proposed the name of Editor for course: Field Survey Methods: Physical and Socio-Economic (MGGL-004) of M.Sc. (Geography Programme) given below: | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>S. No.</th> <th>Name & Designation</th> <th>Address</th> <th>Phone/Email</th> </tr> </thead> <tbody> <tr> <td></td> <td>Prof. B.S. Butola (Retd Professor) CSRD, JNU, New Delhi</td> <td>Residence Address: K-4, House No. 73, DDA Flats, Pocket-E-1, Vasant Kunj, New Delhi -110070</td> <td>Ph. No. 8826526225, 011-26741515 email- butola.bs@gmail.com</td> </tr> </tbody> </table> | S. No. | Name & Designation | Address | Phone/Email | | Prof. B.S. Butola (Retd Professor) CSRD, JNU, New Delhi | Residence Address: K-4, House No. 73, DDA Flats, Pocket-E-1, Vasant Kunj, New Delhi -110070 | Ph. No. 8826526225, 011-26741515 email- butola.bs@gmail.com | |
| S. No. | Name & Designation | Address | Phone/Email | | | | | | | | |
| | Prof. B.S. Butola (Retd Professor) CSRD, JNU, New Delhi | Residence Address: K-4, House No. 73, DDA Flats, Pocket-E-1, Vasant Kunj, New Delhi -110070 | Ph. No. 8826526225, 011-26741515 email- butola.bs@gmail.com | | | | | | | | |
| | | The above agenda item is placed before the School Board of the School of Sciences for its consideration and recommendation. | | | | | | | | | |
| | Decision of SB | The School Board of School of Sciences considered and the name of Editor for course: Field Survey Methods of M.Sc. (Geography) Programme and recommended the same for the approval of the Competent Authority. | | | | | | | | | |
| | SB 77.6.11 | To consider and recommend the list of Course Writers and Editors for courses: Natural Resource Management (MGGE-002), Natural Hazards and Disaster Management (MGGE-003) and Hydrology and Water Resources (MGGE-004) of M.Sc. (Geography) Programme. | | | | | | | | | |
| | Matter for Discussion | The discipline of geography had proposed the list of Course Writers and Editors for courses: Natural Resource Management (MGGE-002), Natural Hazards and Disaster Management (MGGE-003) and Hydrology and Water Resources (MGGE-004) of M.Sc. (Geography) Programme. The agenda item was placed before the School Board of the School of Sciences for its consideration and recommendation. | | | | | | | | | |
| | Decision of SB | The School Board of School of Sciences considered the list of Course Writers and Editors for courses of M.Sc. (Geography) Programme and recommended the same for the approval of the Competent Authority. | | | | | | | | | |
| SB 77.7 | To consider and approve agenda Item pertaining to the <u>Discipline of Geology</u> | | | | | | | | | | |
| | SB 77.7.1 | To consider and approve Minutes of the 79th and 80th Meetings of the Doctoral Committee for Ph.D. (Geology) | SB 77.7.1.1 SB 77.7.1.2 | | | | | | | | |

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| | | programme held on 26th July, 2024 and 2nd August, 2024, respectively. | |
| | Matter for Discussion | <p>The 79th Doctoral Committee meeting of Geology held on 26th July, 2024. The following two agenda items were discussed:</p> <ul style="list-style-type: none"> • To review the progress reports (January to June, 2024) of five research scholars enrolled in PhD (Geology) programme. • To recommend cancellation of registration of the scholar Kumari Arunima (Enrollment No. 202494128) enrolled in PhD (Geology) programme due to unsatisfactory progress in past three consecutive progress reviews. • To review the second work-in-Progress seminar of two research scholars enrolled in PhD (Geology) programme. <p>The 80th Doctoral Committee meeting of Geology held on 2nd August, 2024. The following two agenda items were discussed:</p> <p>(a) To review the progress reports (January to June, 2024) of two research scholars enrolled in PhD (Geology) programme.</p> <p>(b) To review the second work-in-Progress seminar of two research scholars enrolled in PhD (Geology) programme.</p> <p>The Minutes of the 79th and 80th Meetings of the Doctoral 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 the 79 th and 80 th Meetings of the Doctoral Research Committee in Geology held on 26 th July, 2024 and 2 nd August, 2024. | |
| | SB 77.7.2 | To consider and recommend additional names of the Course Writers and Editors for the courses: MGY-005: Techniques in Remote Sensing and Digital Image Processing, MGYL-008, Digital Image Processing and Spatial Analysis Laboratory, MGY-009: Advances in Remote Sensing and GIS, MGY-010 Computer Programming for Digital Image Processing and GIS, MGY-011 Geo-Environmental Application of Geoinformatics, MGY-012 Advanced Geoinformatics Laboratory, MGY-013 Research Methodology and Professional Skills in Geoinformatics and MGY-014: Geoinformatics in Natural Resources and Environmental Studies and MGYE-022 Advanced Programming in Geoinformatics of MSc in Geoinformatics (MSCGI) programme. | SB 77.7.2 |
| | Matter for Discussion | The discipline of Geology had proposed the list of additional names of Course Writers and Editors for the courses namely, MGY-005: Techniques in Remote Sensing and Digital Image Processing, MGYL-008, Digital Image Processing and Spatial Analysis Laboratory, MGY-009: Advances in Remote Sensing and GIS, MGY-010 Computer Programming for Digital Image Processing and GIS, MGY- | |

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| | | 011 Geo-Environmental Application of Geoinformatics, MGY-012 Advanced Geoinformatics Laboratory, MGY-013 Research Methodology and Professional Skills in Geoinformatics and MGY-014: Geoinformatics in Natural Resources and Environmental Studies and MGYE-022 Advanced Programming in Geoinformatics of MSc in Geoinformatics (MSCGI) programme. The agenda was placed before the School Board of the School of Sciences for its consideration and recommendation. | | | | | |
| | Decision of SB | The School Board of School of Sciences considered the list of additional names of Course Writers and Editors for the courses of MSc in Geoinformatics (MSCGI) programme and recommended the same for the approval of the Competent Authority. | | | | | |
| | SB 77.7.3 | To consider and recommend the list of Paper setters, Members of Moderation Board and Evaluators for the six theory courses: MGY-009, MGY-010, MGY-011, MGY-013, MGY-014, MGYE-021 and list of Paper Setters and Moderators for one Laboratory course: MGYL-012 of MSc Geoinformatics programme. | SB 77.7.3.1 SB 77.7.3.2 SB 77.7.3.3 | | | | |
| | Matter for Discussion | The discipline of Geology had prepared the list of Paper setters, Members of Moderation Board and Evaluators of second year six theory courses namely, MGY-009: Advances in Remote Sensing and GIS, MGY-010: Computer Programming for Digital Image Processing and GIS, MGY-011: Geo-Environmental Application of Geoinformatics, MGY-013: Research Methodology and Professional Skills in Geoinformatics, MGY-014; Natural Resources and Environmental Studies, and MGYE-021: Emerging Applications of Geoinformatics and Paper Setters and Moderators for one Laboratory course MGYL-012: Advanced Geoinformatics Laboratory, of MSc Geoinformatics programme. The agenda was placed before the School Board of the School of Sciences for its consideration and recommendation. | | | | | |
| | Decision of SB | The School Board of School of Sciences considered the list of Paper setters, Members of Moderation Board and Evaluators of second year theory courses of MSc (Geoinformatics) Programme and recommended the same for the approval of the Competent Authority | | | | | |
| | SB 77.7.4 | To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of Ms. Sugeeta Sharma (Enrollment No. 179341998) enrolled in PhD (Geology) programme | SB 77.7.4 | | | | |
| | Matter for Discussion | The details of Ms. Sugeeta Sharma (Enrollment No. 179341998) enrolled in PhD (Geology) programme are as follows: <table border="1" data-bbox="491 1937 1219 2038"> <tr> <td>Name</td> <td>Sugeeta Sharma</td> </tr> <tr> <td>Enrolment Number</td> <td>179341998</td> </tr> </table> | Name | Sugeeta Sharma | Enrolment Number | 179341998 | |
| Name | Sugeeta Sharma | | | | | | |
| Enrolment Number | 179341998 | | | | | | |

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| | | <table border="1"> <tr> <td>Date of Registration</td> <td>23.12.2017</td> </tr> <tr> <td>Research Topic</td> <td>Evaluation of Groundwater Resources and its Management Strategies in Aik-Watershed, Jammu and Kashmir, India</td> </tr> <tr> <td>Name(s) of Supervisor (s)</td> <td>Prof. M. Prashanth (On-lien) Discipline of Geology, School of Sciences IGNOU, Maidan Garhi, New Delhi and Dr. Rajesh Kumar, Associate Professor, Department of Geology, GGMS College, Jammu, J&K</td> </tr> <tr> <td>Number(s) of Paper Publication</td> <td> <ul style="list-style-type: none"> Kumar et al. (2024) Assessment of groundwater quality for drinking, irrigation and industrial purposes in Aik Watershed, Jammu and Kashmir, India. Discover Geoscience. (accepted) </td> </tr> <tr> <td>Presentation of papers in seminars /conferences: 02</td> <td> <ul style="list-style-type: none"> Presented paper "Quantification and Management of Water Resources" in National Conference on Mathematical Sciences & its Application" organized by GGM Science College, Jammu on January 19-20, 2018. Presented paper "Sustainable Development of Ground water Resources its Management Strategies in Aik-Watershed, J & K, India" in 2nd Session of J & K Science Teachers Congress, organized by GGM Science College, Jammu on March 25-27, 2019 </td> </tr> <tr> <td>Date of Pre-PhD thesis Presentation</td> <td>Tentatively in first week of October, 2024</td> </tr> </table> | Date of Registration | 23.12.2017 | Research Topic | Evaluation of Groundwater Resources and its Management Strategies in Aik-Watershed, Jammu and Kashmir, India | Name(s) of Supervisor (s) | Prof. M. Prashanth (On-lien) Discipline of Geology, School of Sciences IGNOU, Maidan Garhi, New Delhi and Dr. Rajesh Kumar, Associate Professor, Department of Geology, GGMS College, Jammu, J&K | Number(s) of Paper Publication | <ul style="list-style-type: none"> Kumar et al. (2024) Assessment of groundwater quality for drinking, irrigation and industrial purposes in Aik Watershed, Jammu and Kashmir, India. Discover Geoscience. (accepted) | Presentation of papers in seminars /conferences: 02 | <ul style="list-style-type: none"> Presented paper "Quantification and Management of Water Resources" in National Conference on Mathematical Sciences & its Application" organized by GGM Science College, Jammu on January 19-20, 2018. Presented paper "Sustainable Development of Ground water Resources its Management Strategies in Aik-Watershed, J & K, India" in 2nd Session of J & K Science Teachers Congress, organized by GGM Science College, Jammu on March 25-27, 2019 | Date of Pre-PhD thesis Presentation | Tentatively in first week of October, 2024 | |
| Date of Registration | 23.12.2017 | | | | | | | | | | | | | | |
| Research Topic | Evaluation of Groundwater Resources and its Management Strategies in Aik-Watershed, Jammu and Kashmir, India | | | | | | | | | | | | | | |
| Name(s) of Supervisor (s) | Prof. M. Prashanth (On-lien) Discipline of Geology, School of Sciences IGNOU, Maidan Garhi, New Delhi and Dr. Rajesh Kumar, Associate Professor, Department of Geology, GGMS College, Jammu, J&K | | | | | | | | | | | | | | |
| Number(s) of Paper Publication | <ul style="list-style-type: none"> Kumar et al. (2024) Assessment of groundwater quality for drinking, irrigation and industrial purposes in Aik Watershed, Jammu and Kashmir, India. Discover Geoscience. (accepted) | | | | | | | | | | | | | | |
| Presentation of papers in seminars /conferences: 02 | <ul style="list-style-type: none"> Presented paper "Quantification and Management of Water Resources" in National Conference on Mathematical Sciences & its Application" organized by GGM Science College, Jammu on January 19-20, 2018. Presented paper "Sustainable Development of Ground water Resources its Management Strategies in Aik-Watershed, J & K, India" in 2nd Session of J & K Science Teachers Congress, organized by GGM Science College, Jammu on March 25-27, 2019 | | | | | | | | | | | | | | |
| Date of Pre-PhD thesis Presentation | Tentatively in first week of October, 2024 | | | | | | | | | | | | | | |
| | | The list of Experts for Evaluation of Thesis was provided in a Confidential Cover for approval of the School Board of | | | | | | | | | | | | | |

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| | | School of Sciences. | |
| | Decision of SB | The list of Examiners for evaluation of thesis Ms. Sugeeta Sharma (Enrollment No. 179341998) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the conduct of Pre-Thesis seminar. | |
| | SB 77.7.5 | To consider and approve the Minutes of the Expert Committee meeting of Geology held on 30th August, 2024 to list the courses and finalize their syllabi to be offered as discipline specific minor electives in the FYUP Major/Honours programmes. | SB 77.7.5 |
| | Matter for Discussion | A meeting of the Expert Committee of the Discipline of Geology, School of Sciences was held on 30 th August, 2024 to list the courses and finalize their syllabi to be offered as Minor electives in the FYUP Major/Honours programmes. The Committee deliberated on the agenda and recommended four Geology Courses to be offered as Minor electives in the FYUP programme. The agenda was placed before the School Board of the School of Sciences for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the Minutes of the Expert Committee meeting of Geology held on 30 th August, 2024 to list the discipline specific minor elective courses and finalize their syllabi to be offered in the FYUP Major/Honours programmes. School Board deliberated on the agenda and considered four Geology Courses to be offered as discipline specific minor electives in the FYUP programme and recommended the same for the approval of Academic Council Standing Committee/ Academic Council. | |
| | SB 77.7.6 | To consider and approve the Programme Revision Form (PRF) for offering Geology courses as discipline specific minor electives under (FYUP). | |
| | Matter for Discussion | Discipline of Geology had conducted Expert Committee meeting held on 30 th August, 2024 to list the courses and finalize their syllabi to be offered as discipline specific minor electives in the FYUP Major/Honours programmes. The Programme Revision Form (PRF) for offering Geology courses as minor electives under FYUP was placed before the School Board for consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the the Minutes of the Expert Committee meeting of Geology held on 30 th August, 2024 to list the discipline specific minor elective courses and finalize their syllabi to be offered in the FYUP Major/Honours programmes. School Board considered the PRF for offering minor elective courses of geology and recommended the same for the approval of Academic Council Standing Committee/ Academic Council. | |

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| SB 77.8 | To consider and approve agenda Item pertaining to the Discipline of Life Sciences | | |
| | SB 77.8.1 | To consider and approve the Minutes of the Doctoral Research Committee meeting of Life Sciences Discipline held on 3rd June, 2024 and 30th August, 2024. | SB 77.8.1.1 SB 77.8.1.2 |
| | Matter for Discussion | <p>A Doctoral Research Committee Meeting of the Discipline of Life Sciences was held on 3rd June, 2024 and the following agenda items were discussed:</p> <p>(a) To assess and approve the Pre-thesis presentation seminar of one student of PHDLS programme, Ms. Rashmi Kumari (Enrl. no. 173101926) enrolled in PhD (Life Sciences) programme.</p> <p>A Doctoral Research Committee Meeting of the Discipline of Life Sciences was held on 30th August 2024 to consider and approve the following agenda items:</p> <p>(a) To consider and approve the first mandatory seminar of two student of PHDLS, Md. Shazad (Enrl. 210270168) and Ms. Pavitra Sharma (Enrl 210270365).</p> <p>(b) To consider and approve the name of Dr. Ravi Rajwanshi for Guideship of Ms. Himani Aggarwal of Amity Institute of Microbial Technology, Amity University, Uttar Pradesh, Nodia Campus for her PhD research work and issue of NOC.</p> <p>(c) To consider and approve of six-monthly progress of four research scholars registered in PHDLS programme.</p> <p>The Minutes of the Meetings of the Doctoral Committee were placed before the School Board of School of Sciences for its consideration and approval.</p> | |
| | Decision of SB | After much deliberation the agenda regarding the issue of NOC to Dr. Ravi Rajwanshi for the Co-Guideship of Ms. Himani Aggarwal of Amity Institute of Microbial Technology, Amity University, Uttar Pradesh, Nodia Campus was deferred by the School Board. However, the School Board of School of Sciences considered and approved the rest of the contents of Minutes of Meeting of the Doctoral Committee meeting of Life Sciences Discipline held 3 rd June, 2024 and 30 th August, 2024. | |
| | SB 77.8.2 | To consider and recommend the names of Paper Setters, Members of the Moderation Board and Evaluators for MZO-001 (Molecular Cell Biology), MZO-003 (Comparative Animal Physiology and Biochemistry), MZO-004 (Systematics, Biodiversity and Evolution), MZO-005 (Genomics and Proteomics), MZOE-002 (Animal Behaviour and Animal Welfare Ethics) and MZOE-003 (Aquaculture) of M.Sc (Zoology) programme. | SB 77.8.2.1 SB 77.8.2.2 SB 77.8.2.3 |
| | Matter for Discussion | M.Sc. (Zoology) programme is on offer from Jan 2024 admission cycle. The discipline of Life Sciences had proposed the lists of names of Paper Setters, Members of Moderation Board and Evaluators for the courses: MZO-001 (Molecular Cell Biology), MZO-003 (Comparative Animal Physiology and Biochemistry), MZO-004 (Systematics, Biodiversity and Evolution), MZO-005 (Genomics and Proteomics), MZOE-002 (Animal Behaviour and Animal | |

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| | | Welfare Ethics) and MZOE-003 (Aquaculture) of M.Sc (Zoology) programme. The agenda was placed before the School Board of the School of Sciences for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the names of Paper Setters, Members of the Moderation Board and Evaluators of the Discipline of Life Sciences and recommended the same for the approval of the Competent Authority. | |
| | SB 77.8.3 | To consider and recommend the names of the Course Writer for the course of MZO-009 (Research Methodology) of M.Sc. (Zoology) Programme. | |
| | Matter for Discussion | The Life Sciences Discipline is developing the Master's Degree programme in Zoology. The name of one Course Writer for course of the M. Sc. (Zoology) Programme MZO-009 (Research Methodology) was placed before the School Board of the School of Sciences for its consideration and recommendation. Dr. Sayak Ganguly Assistant Professor, Department of Biotechnology, St. Xavier's College (Autonomous), 30, Mother Teresa Sarani, Kolkata – 700016, West Bengal Mobile: 9830200174 Email: sayakganguli2@gmail.com | |
| | Decision of SB | The School Board of School of Sciences considered the name of Course Writer for course of the M. Sc. (Zoology) Programme and recommended the same for the approval of the Competent Authority. | |
| | SB 77.8.4 | To consider and recommend the names of the additional Course writers for the course of MZOE-004 (Insect Taxonomy and Morphology), MZOE-005 (Insect Physiology and Toxicology) and MZOE-006 (Applied Entomology), MZOL-004 (Lab Course IV) of M.Sc. (Zoology) Programme. | SB 77.8.4 |
| | Matter for Discussion | M.Sc. (Zoology) programme is on offer from Jan 2024 admission cycle. The discipline of Life Sciences had proposed the names of three additional Course Writers for different courses of M.Sc. (Zoology) Programme namely MZOE-004 (Insect Taxonomy and Morphology), MZOE-005 (Insect Physiology and Toxicology (Elective), MZOE-006 (Applied Entomology) and MZOL-004 (Lab Course 4). The names of course writers 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 the additional names of course writers for the course and recommended the same for the approval of the Competent Authority. | |
| | SB 77.8.5 | To consider and recommend the names of Evaluators for Life Sciences Courses: MZO-001 (Molecular Cell | SB 77.8.5 |

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| | | <p>Biology), MZO-002 (Genetics and Animal Biotechnology), MZO-003 (Comparative Animal Physiology and Biochemistry), MZO-008 (Immunology), LSE-01(Cell Biology), LSE-02 (Ecology), LSE-03 (Genetics), BBYCT-131 (Biodiversity-Microbes, Algae, Fungi and Archegoniate), BBYCT-133 (Plant Ecology and Taxonomy), BBYCT-135 (Plant Anatomy and Embryology), BBYCT-137 (Plant Physiology and Metabolism), BBYET-141 (Cell and Molecular Biology), BBYET-143 (Economic Botany and Biotechnology), BZYCT-131 (Animal Diversity), BZYCT-133 (Comparative Anatomy and Developmental Biology of Vertebrates), BZYCT-135 (Physiology and Biochemistry), BZYCT-137 (Genetics and Evolutionary Biology), BZYET-141 (Immunology) and BZYCT-143 (Insect Vectors and Vector Borne Diseases)</p> | |
| | Matter for Discussion | <p>Discipline of Life Sciences had proposed the names of evaluators for courses: MZO-001 (Molecular Cell Biology), MZO-002 (Genetics and Animal Biotechnology), MZO-003 (Comparative Animal Physiology and Biochemistry) and MZO-008 (Immunology), LSE-01(Cell Biology), LSE-02 (Ecology), LSE-03 (Genetics), BBYCT-131 (Biodiversity-Microbes, Algae, Fungi and Archegoniate), BBYCT-133 (Plant Ecology and Taxonomy), BBYCT-135 (Plant Anatomy and Embryology), BBYCT-137 (Plant Physiology and Metabolism), BBYET-141 (Cell and Molecular Biology), BBYET-143 (Economic Botany and Biotechnology), BZYCT-131 (Animal Diversity), BZYCT-133 (Comparative Anatomy and Developmental Biology of Vertebrates), BZYCT-135 (Physiology and Biochemistry), BZYCT-137 (Genetics and Evolutionary Biology), BZYET-141 (Immunology) and BZYCT-143 (Insect Vectors and Vector Borne Diseases). The same list of the evaluators is placed before the School Board of the School of Sciences for its consideration and recommendation.</p> | |
| | Decision of SB | <p>The School Board of School of Sciences considered the names of Evaluators for Life Sciences Courses and recommended the same for the approval of Competent Authority</p> | |
| | SB 77.8.6 | <p>To consider and recommend the additional name of the editor for MZO-006 (Biostatistics and Bioinformatics) of M.Sc (Zoology) programme.</p> | |
| | Matter for Discussion | <p>The Discipline of Life Sciences is developing the Masters Degree programme in Zoology. The name of the following course editor for the course of Biostatistics and Bioinformatics (MZO-006) of the M. Sc. (Zoology) Programme is placed before the School Board of the School of Sciences for its consideration and recommendation.</p> <p>Prof. Ram Kishan Department of Statistics, D.A.V. (P.G.) College,</p> | |

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| | | Muzaffarnagar (U.P.)-251001 Maa Shakumbhari University Saharanpur M: 9411033562 E-mail: rkishan05@rediffmail.com . | |
| | Decision of SB | The School Board of School of Sciences considered the additional name of the Editor for M.Sc (Zoology) programme and recommended the same for the approval of the Competent Authority. | |
| SB 77.9 | To consider and approve agenda items pertaining to the Discipline of Mathematics | | |
| | SB 77.9.1 | To consider and approve the Minutes of the 11th DRC meeting of Mathematics Discipline held on 31st July 2024. | SB 77.9.1 |
| | Matter for Discussion | <p>The 11th DRC meeting of Mathematics was held on 31st July, 2024 at 11:00 AM in the Conference Room, Academic Block-D, School of Sciences, IGNOU to discuss the following agenda items:</p> <p>(a) To review the progress reports of three students registered in the Ph.D. in Mathematics programme (PHDMT) of July 2021 Session, for the period January, 2024 – June, 2024.</p> <p>(b) To consider the request of Md. Saiful Islam (Enrolment No. 210270372) to withdraw his candidature from the Ph.D. (Mathematics) (PHDMT) programme.</p> <p>c) To recommend the courses for coursework to the students of Ph.D. (Mathematics) (PHDMT) programme of July 2023 Session.</p> <p>The Minutes of the 11th DRC meeting of Mathematics Discipline were placed before the School Board for consideration and approval.</p> | |
| | Decision of SB | The School Board of School of Sciences considered and approved the Minutes of Meeting of the 11 th Doctoral Committee meeting of Mathematics Discipline held on 31 st July 2024. | |
| | SB 77.9.2 | To consider and approve the name of translator for all Mathematics courses. | |
| | Matter for Discussion | <p>The following name of expert was placed before the School Board for consideration and approval as a translator for all the mathematics courses.</p> <p>Mr. Vijay Raj Singh Sekhawat Assistant Director (Subject) Commission for Scientific and Technical Terminology (Ministry of Education) West Block-VII, R.K. Puram, New Delhi – 110066 Mob.: 9971513820 Email: vjcstt@gmail.com</p> | |
| | Decision of SB | The School Board of School of Sciences considered the name of Translator of mathematics courses and recommended the name for the approval of the Competent Authority and inclusion in the pool of translators of the School. | |
| | SB 77.9.3 | To consider and recommend the revised list of Paper | SB 77.9.3.1 |

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| | | setters, Members of Moderation Board and Evaluators for the courses: MMTE-002, MMTE-004 and MMTE-006 of the M.Sc. (MACS) programme. | SB 77.9.3.2 SB 77.9.3.3 |
| | Matter for Discussion | The Discipline of Mathematics had proposed the revised list of Paper setters, Members of Moderation Board and Evaluators for the courses: MMTE-002, MMTE-004 and MMTE-006 of the M.Sc. (MACS) programme. The agenda was placed before the School Board for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the revised list of Paper setters, Members of Moderation Board and Evaluators for the courses of the M.Sc. (MACS) programme and recommended the same for the approval of the Competent Authority. | |
| | SB 77.9.4 | To consider and recommend the revised list of Members of Moderation Board for the courses BMTC-134, and BMTE-141 of the BSCG-CBCS programme. | SB 77.9.4 |
| | Matter for Discussion | The revised list of Moderators for the courses: BMTC-134 and BMTE-141 of BSCG-CBCS programme proposed by the discipline of Mathematics was placed before the School Board for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the revised list of Members of Moderation Board for the courses of the BSCG-CBCS programme and recommended the same for the approval of the Competent Authority. | |
| | SB 77.9.5 | To consider and recommend the Minutes of the Expert Committee meeting for addition more minor courses (Discipline Specific Courses) to the B.Sc. (Mathematics) -BSCFMT programme under UGC-FYUP. | SB 77.9.5 |
| | Matter for Discussion | The B.Sc. (Mathematics) programme was on offer from July 2024 session. At present the minor courses (Discipline Specific Courses) are restricted to the disciplines of the School of Sciences as decided in the 76 th Meeting of School Board of School of Sciences. In view of the discussion of offering minor courses (Discipline Specific Courses) of university level FYUP Committee meeting held on 10 th July, 2024, the School was asked to review this decision so that the students can opt for minor courses (Discipline Specific Courses) offered by other disciplines. In this regard, an Expert Committee Meeting was held on 24 th July, 2024 to consider the addition of more minor courses (Discipline Specific Courses) to the B.Sc. (Mathematics) programme. The agenda was placed before the School Board for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the Minutes of the Expert Committee meeting for addition of minor courses (Discipline Specific Courses) to B.Sc. (Mathematics) -BSCFMT programme under UGC-FYUP. After much deliberation it was agreed by majority that Minor Discipline Specific courses from two disciplines, Economics and Anthropology, of School of Social Sciences will be added to the BSCFMT programme. | |

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| | | Prof. Sunita Malhotra and Prof. Shubha Gokhale gave their dissent to this decision (Dissent note appended) | |
| | SB 77.9.6 | To consider and recommend the consolidated list of Members of the Moderation Board for the courses RMT-101 (Algebra) and RMT-102 (Analysis) of the PHDMT programme. | SB 77.9.6 |
| | Matter for Discussion | The consolidated list of Members of the Moderation Board for the courses: RMT-101 (Algebra) and RMT-102 (Analysis) of the PHDMT programme proposed by discipline of Mathematics was placed before the School Board for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the consolidated list of Members of the Moderation Board for the courses of the PHDMT programme and recommended the same for the approval of the Competent Authority. | |
| SB 77.10 To consider and approve agenda items pertaining to the Discipline of Physics | | | |
| | SB 77.10.1 | To consider and recommend the names of additional course writers and editors 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 was on offer from the July, 2023 cycle of admission.</p> <p>The following names of additional course writer for the course Atomic and Molecular Physics (MPH-016) and additional Editor for the course Nuclear and Particle Physics (MPH-017) of the M.Sc. (Physics) Programme was placed before the School Board for its kind consideration and approval.</p> <p><u>Course Writer:</u> Atomic and Molecular Physics (MPH-016) Prof. Amitabha Mukherjee (Retd.) Dept. of Physics & Astrophysics, University of Delhi, Delhi Mob.: 9810187677</p> <p><u>Editor:</u> Nuclear and Particle Physics (MPH 017) Prof. Saeeduddin Department of Physics, Jamia Millia Islamia, Jamia Nagar, New Delhi Mob. : 7290016260 Email: Suddin@jmi.ac.in</p> | |
| | Decision of SB | The School Board of School of Sciences considered the names of additional course writer and editor for the courses of the M.Sc. (Physics) Programme and recommended the same for the approval of the Competent Authority. | |
| | SB 77.10.2 | To consider and recommend the list of Paper setters, Members of Moderation Board and Evaluators for the courses of the M.Sc. (Physics) Programme MPH- | SB 77.10.2.1 SB 77.10.2.2 SB 77.10.2.3 |

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| | | 001(Mathematical Methods in Physics), MPH-002 (Classical Mechanics I), MPH-003 (Electromagnetic Theory), MPH-004 (Quantum Mechanics I), MPH-005 (Electronics), MPH-006 (Classical Mechanics II), MPH-007 (Classical Electrodynamics), MPH-008 (Quantum Mechanics II), MPH-011(Statistical Mechanics), MPH-012 (Condensed Matter Physics), MPH-013 (Optics), MPH-014 (Computational Physics), MPH-016 (Atomic and Molecular Physics), MPH-017 (Nuclear and Particle Physics), MPHE-025 (Materials Science), MPHE-026 (Elements of Reactor Physics) and MPHE-027 (Nanoscience) | |
| | Matter for Discussion | The M.Sc. (Physics) programme was on offer from the July, 2023 cycle of admissions and the Term –End Examinations are being held from June, 2024. The lists of Paper setters, Members of Moderation Board and Evaluators for the theory courses of the M.Sc. (Physics) Programme MPH-001(Mathematical Methods in Physics), MPH-002 (Classical Mechanics I), MPH-003 (Electromagnetic Theory), MPH-004 (Quantum Mechanics I), MPH-005 (Electronics), MPH-006 (Classical Mechanics II), MPH-007 (Classical Electrodynamics), MPH-008 (Quantum Mechanics II), MPH-011(Statistical Mechanics), MPH-012 (Condensed Matter Physics), MPH-013 (Optics), MPH-014 (Computational Physics), MPH-016 (Atomic and Molecular Physics), MPH-017 (Nuclear and Particle Physics), MPHE-025 (Materials Science), MPHE-026 (Elements of Reactor Physics) and MPHE-027 (Nanoscience) was placed before the School Board for its kind consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the list of Paper setters, Members of Moderation Board and Evaluators for the courses of the M.Sc. (Physics) Programme and recommended the same for the approval of the Competent Authority. | |
| SB 77.11 | To consider and approve agenda items pertaining to the <u>Discipline of Statistics</u> | | |
| | SB 77.11.1 | To consider and approve the Minutes of the meeting of 31st Doctoral Research Committee in Statistics held on August 14, 2024 to review six-month progress reports of the research scholars registered in Ph.D. (Statistics) programme. | SB 77.11.1 |
| | Matter for Discussion | A meeting of the Doctoral Committee in Statistics was held on August 14, 2024 to review six- monthly progress reports of research scholars registered in the Ph.D. in Statistics programme in July 2020 cycle. The research scholars registered in the Ph.D. in Statistics programme had presented their 7 th six-monthly progress reports for the period January to June 2024 before the Doctoral Research Committee. The Doctoral Committee found their progress to be satisfactory during the period | |

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| | | under consideration. The Minutes of the 31 st Doctoral Committee meeting of statistics discipline were placed before the School Board of School of Sciences for its consideration and approval. | |
| | Decision of SB | The School Board of School of Sciences considered and approved the Minutes of Meeting of the 31 st Doctoral Committee of Statistics discipline held on August 14, 2024. | |
| | SB 77.11.2 | To consider and recommend the additional names of the Course Writers of one theory and two lab courses of M.Sc. (Applied Statistics) programme. | SB 77.11.2 |
| | Matter for Discussion | The lists of additional names of the Course Writers of a theory course MST-024: Data Analysis with Python and two lab courses: MSTL-012: Statistical Computing using R-II and MSTL-014: Data Analysis with Python Lab of M.Sc. (Applied Statistics) programme was placed before the 77 th School Board of School of Sciences for consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the additional names of the Course Writers of one theory and two lab courses of M.Sc. (Applied Statistics) programme and recommended the same for the approval of the Competent Authority. | |
| | SB 77.11.3 | To consider and recommend the additional names of Course Editors of one theory and one lab courses MST-024: Data Analysis with Python and a lab course MSTL-014: Data Analysis with Python Lab and MSTL-013 Statistical Computing with R III of M.Sc. (Applied Statistics) programme. | SB 77.11.3 |
| | Matter for Discussion | The lists of additional names of the Course Editors of a theory course MST-024: Data Analysis with Python and a lab course MSTL-014: Data Analysis with Python Lab and MSTL-013 Statistical Computing with R III of M.Sc. (Applied Statistics) programme was placed before the School Board of School of Sciences for its consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the additional names of Course Editors of one theory and one lab courses and recommended the same for the approval of the Competent Authority. | |
| | SB 77.11.4 | To consider and recommend the names of Paper Setters, Members of Moderation Board and Evaluators for the theory and lab courses: MST-011 MST-012 , MST-013 , MST-014 , MST-015, MSTL-011 Semester-I; MST-016, MST-017, MST-018, MST-019, MSTL-012 of Semester-II; MST-020, MST-02, MST-022, MST-023, MSTL-013 of Semester-III and MST-024, MSTL-014, MST-025, MST-026, MSTL-015, MSTE-011, MSTE-012 of Semester-IV of MSCAST programme. | SB 77.11.4.1 SB 77.11.4.2 SB 77.11.4.3 |
| | Matter for Discussion | The lists of Paper Setters, Members of Moderation Board and Evaluators for MST-011 (Real Analysis, Calculus and Geometry), MST-012 (Probability and Probability Distributions), MST-013 (Survey Sampling and Design of | |

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| | | Experiments-I), MST-014 (Statistical Quality Control and Time Series Analysis), MST-015 (Introduction to R Software), MSTL-011 (Statistical Computing using R-I) of Semester-I; MST-016 (Statistical Inference), MST-017 (Applied Regression Analysis), MST-018 (Multivariate Analysis), MST-019 (Epidemiology and Clinical Trials), MSTL-012 (Statistical Computing using R-II) of Semester-II; MST-020 (Survey Sampling and Design of Experiments-II), MST-021 (Classical and Bayesian Inference), MST-022 (Linear Algebra and Multivariate Calculus), MST-023 (Research Methodology), MSTL-013 (Statistical Computing using R-III) of Semester-III and MST-024 (Data Analysis with Python), MSTL-014 (Data Analysis with Python Lab), MST-025 (Categorical and Survival Analysis), MST-026 (Introduction to Machine Learning), MSTL-015 (Statistical Computing using R-IV), MSTE-011 (Operations Research), MSTE-012 (Stochastic Processes) of Semester-IV of MSCAST programme. The lists of Paper Setters, Members of Moderation Board and Evaluators for all courses of MSCAST programme were before the School Board for its kind consideration and recommendation. | | | | | | | | | | | | | |
| | Decision of SB | The School Board of School of Sciences considered the names of Paper Setters, Members of Moderation Board and Evaluators for the theory and lab courses of MSCAST programme and recommended the same for the approval of the Competent Authority. | | | | | | | | | | | | | |
| | SB 77.11.5 | To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of Mr. Anant Patel (Enroll. No. 202493506) registered in the Ph.D. (Statistics) Programme. | | | | | | | | | | | | | |
| | Matter for Discussion | <p>The details of Mr. Anant Patel (Enroll. No. 202493506) enrolled in Ph.D. (Statistics) programme are as follows:</p> <table border="1"> <tr> <td>Name</td> <td>Mr. Anant Patel</td> </tr> <tr> <td>Enrolment Number</td> <td>Enrol. No. 202493506</td> </tr> <tr> <td>Date of Registration</td> <td>July, 2020</td> </tr> <tr> <td>Research Topic</td> <td>Estimation of Finite Population Parameters using Calibration Approach in the Presence of Non-response.</td> </tr> <tr> <td>Name(s) of Supervisor(s)</td> <td>Dr. Neha Garg, School of Sciences, IGNOU, New Delhi</td> </tr> <tr> <td>Number(s) of Paper Publication and Details</td> <td>1. Garg, N., Patel, A., & Pachori, M. (2024). Calibration Estimation of Population Proportion in Probability Proportional to Size Sampling in the Presence of Non-Response. Indian Journal of Science and Technology, 17(9), 841-851.</td> </tr> </table> | Name | Mr. Anant Patel | Enrolment Number | Enrol. No. 202493506 | Date of Registration | July, 2020 | Research Topic | Estimation of Finite Population Parameters using Calibration Approach in the Presence of Non-response. | Name(s) of Supervisor(s) | Dr. Neha Garg, School of Sciences, IGNOU, New Delhi | Number(s) of Paper Publication and Details | 1. Garg, N., Patel, A., & Pachori, M. (2024). Calibration Estimation of Population Proportion in Probability Proportional to Size Sampling in the Presence of Non-Response. Indian Journal of Science and Technology, 17(9), 841-851. | |
| Name | Mr. Anant Patel | | | | | | | | | | | | | | |
| Enrolment Number | Enrol. No. 202493506 | | | | | | | | | | | | | | |
| Date of Registration | July, 2020 | | | | | | | | | | | | | | |
| Research Topic | Estimation of Finite Population Parameters using Calibration Approach in the Presence of Non-response. | | | | | | | | | | | | | | |
| Name(s) of Supervisor(s) | Dr. Neha Garg, School of Sciences, IGNOU, New Delhi | | | | | | | | | | | | | | |
| Number(s) of Paper Publication and Details | 1. Garg, N., Patel, A., & Pachori, M. (2024). Calibration Estimation of Population Proportion in Probability Proportional to Size Sampling in the Presence of Non-Response. Indian Journal of Science and Technology, 17(9), 841-851. | | | | | | | | | | | | | | |

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| | | | <p>2. Garg, N., Patel, A., & Pachori, M. (2024). Calibration estimation of population total using multi-auxiliary information in the presence of non-response. Scientific Reports, 14(1), 17247.</p> | |
| | | <p>Presentation of papers in seminars/conferences:</p> | <ul style="list-style-type: none"> • Paper presented 'Estimation of the Population Proportions under the Calibration framework in presence of non-response' in International Conference on Modeling, Simulation and Optimization of Energy Systems (MSOES 2023) which was organized during 17-18 June, 2023 at Canadian University Dubai, UAE in Hybrid mode. • Paper presented 'Calibration Estimation of Population Total Under PPS Sampling in the Presence of Non-response' in the International Conference on Statistical Theory and its Applications (ICSTA-2023) organized by Department of Statistics, Bharathiar University, Coimbatore-641046, held on 01-02 September, 2023. • Paper presented 'The General Form for the Calibration Estimator of the Stratified Population Mean in the Presence of Non-Response' in 43rd Annual Convention of ISPS-2024 on February 6-8, 2024 by Allahabad University. | |
| | | <p>Date of Pre-PhD thesis Presentation</p> | <p>To be held in October, 2024</p> | |
| <p>The list of Experts for Evaluation of Thesis was provided in a Confidential Cover for approval of the School Board of</p> | | | | |


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| | | School of Sciences. | | | | | | | | | | | | | |
| | Decision of SB | The list of Examiners for evaluation of thesis of Mr. Anant Patel (Enroll. No. 202493506) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes. | | | | | | | | | | | | | |
| | SB 77.11.6 | To consider and approve the list of examiners for the evaluation of Ph.D. Thesis of Mr Hemanta Kumar (Enroll. No. 202492883) registered in the Ph.D. (Statistics) Programme | | | | | | | | | | | | | |
| | Matter for Discussion | <p>The details of Mr Hemanta Kumar (Enroll. No. 202492883) enrolled in Ph.D. (Statistics) programme are as follows:</p> <table border="1"> <tr> <td>Name</td> <td>Mr. Hemanta Kumar</td> </tr> <tr> <td>Enrolment Number</td> <td>Enrol. No. 202492883</td> </tr> <tr> <td>Date of Registration</td> <td>July, 2020</td> </tr> <tr> <td>Research Topic</td> <td>Estimation of Population Mean under Stratified Random Sampling using Auxiliary Information in Sample Surveys.</td> </tr> <tr> <td>Name(s) of Supervisor (s)</td> <td>Prof. Manish Trivedi, School of Sciences, IGNOU, New Delhi</td> </tr> <tr> <td>Number(s) of Paper Publication and Details</td> <td> 1. Singh, H. P., Kumar, H., Trivedi, M. and Garg, N. (2024). A Modified Class of Ratio Type Exponential Estimators of Population Mean using Auxiliary Attribute in Stratified Random Sampling, International Journal of Statistics and Reliability Engineering, 11 (1), pp. 14-20. 2. Singh, H. P., Kumar, H., Trivedi, M., & Garg, N. (2023). A Class of Ratio type Exponential Estimators of Population Mean using Auxiliary Attribute in Stratified Random Sampling. International Journal of Agricultural and Statistical Sciences, Vol, 19(1), 1011-1020. </td> </tr> </table> | Name | Mr. Hemanta Kumar | Enrolment Number | Enrol. No. 202492883 | Date of Registration | July, 2020 | Research Topic | Estimation of Population Mean under Stratified Random Sampling using Auxiliary Information in Sample Surveys. | Name(s) of Supervisor (s) | Prof. Manish Trivedi, School of Sciences, IGNOU, New Delhi | Number(s) of Paper Publication and Details | 1. Singh, H. P., Kumar, H., Trivedi, M. and Garg, N. (2024). A Modified Class of Ratio Type Exponential Estimators of Population Mean using Auxiliary Attribute in Stratified Random Sampling, International Journal of Statistics and Reliability Engineering, 11 (1), pp. 14-20. 2. Singh, H. P., Kumar, H., Trivedi, M., & Garg, N. (2023). A Class of Ratio type Exponential Estimators of Population Mean using Auxiliary Attribute in Stratified Random Sampling. International Journal of Agricultural and Statistical Sciences, Vol, 19(1), 1011-1020. | |
| Name | Mr. Hemanta Kumar | | | | | | | | | | | | | | |
| Enrolment Number | Enrol. No. 202492883 | | | | | | | | | | | | | | |
| Date of Registration | July, 2020 | | | | | | | | | | | | | | |
| Research Topic | Estimation of Population Mean under Stratified Random Sampling using Auxiliary Information in Sample Surveys. | | | | | | | | | | | | | | |
| Name(s) of Supervisor (s) | Prof. Manish Trivedi, School of Sciences, IGNOU, New Delhi | | | | | | | | | | | | | | |
| Number(s) of Paper Publication and Details | 1. Singh, H. P., Kumar, H., Trivedi, M. and Garg, N. (2024). A Modified Class of Ratio Type Exponential Estimators of Population Mean using Auxiliary Attribute in Stratified Random Sampling, International Journal of Statistics and Reliability Engineering, 11 (1), pp. 14-20. 2. Singh, H. P., Kumar, H., Trivedi, M., & Garg, N. (2023). A Class of Ratio type Exponential Estimators of Population Mean using Auxiliary Attribute in Stratified Random Sampling. International Journal of Agricultural and Statistical Sciences, Vol, 19(1), 1011-1020. | | | | | | | | | | | | | | |

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| | | <p>Presentation of papers in seminars/conferences:</p> <p>1) Presented a paper entitled “A class of estimators of population mean using auxiliary attribute in stratified random sampling” in an International Multidisciplinary Conference on "Emerging Trends & Challenges in Humanities, Education, Science and Social Sciences" held on March 25, 2023, organised by Gandhi Memorial National College Ambala Cantt., India.</p> <p>2) Presented a paper entitled “A generalised class of estimators for population mean under stratified random sampling using auxiliary attribute” in 2nd International Conference on Advance Interdisciplinary Research (ICAIR-2023) held on April 07-09, 2023, jointly organised by Digvijay Nath Post Graduate College, Gorakhpur, UP & Science Tech Institute, Lucknow, UP, India.</p> | |
| | | <p>Date of Pre-PhD thesis Presentation</p> <p>To be held in October, 2024</p> | |
| | | <p>The list of Experts for Evaluation of Thesis was provided in a Confidential Cover for approval of the School Board of School of Sciences.</p> | |
| | Decision of SB | <p>The list of Examiners for evaluation of thesis of Mr Hemanta Kumar (Enroll. No. 202492883) was read out before the Board members. The School Board of School of Sciences approved the list of examiners and advised that the approved list of examiners should be forwarded in a confidential cover to the Research Unit, IGNOU after the approval of School Board Minutes.</p> | |
| | SB 77.11.7 | To consider and approve the Programme Revision Form (PRF) for adding four minor courses of Statistics in Four-Year Undergraduate Programme (FYUP). | SB 77.11.7 |
| | Matter for Discussion | <p>Discipline of Statistics had conducted 1st programme Expert Committee meeting on November 3, 2023, to design the syllabi of four minor courses (discipline specific courses) of Statistics discipline in the Four-Year Undergraduate Programme (FYUP). The syllabi of the same were approved in the 75th School Board of School of Sciences held on November 08, 2023.</p> <p>The Programme Revision Form (PRF) for adding minor courses of Statistics discipline in the Four-Year Undergraduate Programme (FYUP) was placed before the 77th School Board for its consideration and approval.</p> | |

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| | Decision of SB | The School Board of School of Sciences considered the PRF for adding minor courses of Statistics discipline in the Four-Year Undergraduate Programme (FYUP) and recommended the same for the approval of Academic Council Standing Committee/ Academic Council. | |
| SB 77.12 To consider and approve agenda items pertaining to the PGDESD | | | |
| | SB 77.12.1 | To consider and recommend additional list of Paper Setters for the courses MED-001, MED-005 and MED-006 of the PGDESD programme | SB 77.12.1 |
| | Matter for Discussion | Additional lists of Paper setters for the courses MED-001 (Understanding the Environment), MED-005 (Integrated Environmental Management: Urban and Rural), MED-006 (Natural Resource Management: Physical and Biotic) of the PGDESD programme was placed before the School Board for its kind consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the additional list of Paper Setters for the courses of the PGDESD programme and recommended the same for the approval of the Competent Authority. | |
| | SB 77.12.2 | To consider and recommend additional list of Evaluators for the courses MED-001, MED-005 and MED-006 of the PGDESD programme. | SB 77.12.2 |
| | Matter for Discussion | Additional lists of Evaluators for the courses MED-001 (Understanding the Environment), MED-005 (Integrated Environmental Management: Urban and Rural) and MED-006 (Natural Resource Management: Physical and Biotic) of the PGDESD programme was placed before the School Board for its kind consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the additional list of Evaluators for the courses of the PGDESD programme and recommended the same for the approval of the Competent Authority. | |
| | SB 77.12.3 | To consider and recommend the additional names of the Moderators for the courses MED-001, MED-002, MED-003, MED-004, MED-005, MED-006, MED-007 and MED-008 of the PGDESD Programme. | SB 77.12.3 |
| | Matter for Discussion | Additional lists of Members of Moderation Board for the courses MED-001 (Understanding the Environment), MED-002 (Sustainable Development: Issues and Challenges), MED-003 (Energy and Environment), MED-004 (Towards Participatory Management), MED-005 (Integrated Environmental Management: Rural and Urban), MED-006 (Natural Resource Management: Physical and Biotic), MED-007 (Agriculture and Environment) and MED-008 (Globalisation and Environment) of the PGDESD Programme was placed before the School Board for its kind consideration and recommendation. | |
| | Decision of SB | The School Board of School of Sciences considered the additional names of the Moderators for the courses of the PGDESD Programme and recommended the same for the approval of the Competent Authority. | |

Prof. Sunita Malhotra gave the note of dissent on agenda items SB 77.4.4, 77.5.2.1, 77.6.3, 77.6.4, 77.7.3.....etc. regarding the consideration and recommendation of names of paper setters, members of moderation board and evaluators (Dissent note appended).

The meeting ended with thanks to the Chair.



प्रो. मीनल मिश्रा / Prof. Meenal Mishra
निदेशक / Director
विज्ञान विद्यापीठ / School of Sciences
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**(Prof. Meenal Mishra)
Chairperson**