

The 58th meeting of the School Board of School of Sciences was held on 9th March, 2017 at 10.30 a.m. in the Conference Room of Block-D, IGNOU, Maidan Garhi, New Delhi – 110068.

The following members were present:

1. Prof. M.S. Nathawat, SOS, Chairperson
2. Prof. Deeksha Kapur, SOCE, IGNOU
3. Dr. Nehal A. Farooquee, SOEDS, IGNOU
4. Dr. Gaurav Singh, SOE, IGNOU
5. Prof. B.S. Saraswat, SOS, IGNOU
6. Prof. Geeta Kaicker, SOS, IGNOU
7. Prof. Parvin Sinclair, SOS, IGNOU
8. Prof. Vijayshri, SOS, IGNOU
9. Prof. Sunita Malhotra, SOS, IGNOU
10. Prof. Poornima Mital, SOS, IGNOU
11. Prof. Jaswant Sokhi, SOS, IGNOU
12. Prof. S.R. Jha, SOS, IGNOU
13. Prof. Bharat Inder Fozdar, SOS, IGNOU
14. Prof. Javed A. Farooqi, SOS, IGNOU
15. Prof. Amrita Nigam, SOS, IGNOU
16. Prof. Shubha Gokhale, SOS, IGNOU
17. Prof. Lalita S. Kumar, SOS, IGNOU
18. Dr. Sanjiv Kumar, SOS, IGNOU
19. Dr. Bano Saidullah, SOS, IGNOU
20. Dr. Deepika, SOS, IGNOU
21. Dr. Omkar Varma, SOS, IGNOU
22. Dr. Neha Garg, SOS, IGNOU
23. Dr. Maneesha Pandey, SOS, IGNOU
24. Dr. K. Nageswara Rao, SOS, IGNOU

Prof. Kapil Kumar, Prof. Sujatha Varma, Prof. Neera Kapoor and Dr. S. Lamba could not attend the meeting.

At the outset, the Chairman welcomed the members of the School Board. Thereafter, the following items on the agenda were deliberated:

Item No. 1 To confirm the minutes of the 57th meeting of the School Board of the School of Sciences held on November 3, 2016 and to note the action taken thereon.

SB 58.1.1 The minutes of the 57th School Board of the School of Sciences held on November 3, 2016 were placed before the Board for confirmation. Action Taken Report on the minutes was also placed before the Committee.

SB 58.1.2 Prof Vijayshri's letter with her comments on Item No. 20 of the 57th meeting of the School Board was discussed. The school board did not agree to make it a part of the minutes. After detailed deliberations, the comments were noted and the Minutes of the 57th meeting of the School Board of School of Sciences held on Nov. 3, 2016 were

confirmed and the Action Taken Report was noted by the Board members and the same are placed at **Annexure – 1 and 2** respectively.

Item No. 2 Matters arising out of the Minutes of 57th Meeting of the School Board.

SB 58.2.1 No other matter arose from the minutes.

Item No. 3 To consider and approve the names of the external members to be co-opted to the School Board of the School of Sciences under Clause (2)(e) of Statute 10 A.

SB 58.3.1 The Board was informed that the term of the external members of the School Board Co-opted in its 50th meeting held on 29th Sept. 2014, under Clause (2)(e) of Statute 10 A, had expired on 4th December, 2016. As per rotation, the earlier discipline groups, namely Chemistry, Life Sciences and the new discipline groups namely Biochemistry and Geography were to suggest the name of new external expert for the panel and for the fifth member of the Board the Discipline of Mathematics was also requested to suggest the name of a new external expert for the panel.

In this regard, the above Discipline Groups have suggested the names of experts from which 5 new members are to be co-opted as external members under Clause 2 (e) of Statute 10 A of the Statutes of the University.

SB 58.3.2 The Board deliberated on the names and asked the disciplines to give only one name where more than one names were given. Biochemistry discipline was asked to give another name instead of Prof H.K.L. Tandon and Life sciences was asked to give another name instead of Prof. Dash as being Vice chancellor he would find it difficult to give time for our meetings. It was also decided that the fifth member should be from Statistics Discipline. The School Board authorized the Chairperson to finalize the names with the concerned disciplines and circulate with the minutes

The following members were finalized as external members under Clause 2(e) of the Statute 10A of the University:

- 1. Prof. Ranjit Kishore Mishra**
Professor and Head,
Department of Biochemistry
Lucknow University, Lucknow-226007
- 2. Prof. Gurmeet Singh**
Head, Dept. of Chemistry
University of Delhi
Delhi-110007
- 3. Prof Harjit Singh**
Centre for the Study of Regional Development
School of Social Sciences,
JNU, New Delhi 110067

4. **Prof. Rakesh Srivastava**
Dept. of Statistics
M.S. University of Baroda
Vadodara (Gujarat)
5. **Prof. Reena Mathur (Retd.)**
Prof. of Zoology, Dept. of Zoology
University of Rajasthan, Jaipur – 302004
Res.: D-279, Todarmal Marg
Bani Park, Jaipur - 302016

Item No. 4 To ratify the constitution of the Standing Committee of the School Board of the School of Sciences.

SB 58 4.1 The School Board was informed that the term of the 2nd School Board Standing Committee of School of Sciences notified in the 50th School Board meeting held on 29.09.2014 vide item no. SB 50.4.3 had completed its term on 29.09.2016. There were urgent issues related with Ph.D admissions, hence, it was felt necessary to constitute the 3rd SBSC so that the matter related to Research may be sent to Research Unit in time. Therefore, the following SBSC was constituted and is being put up for ratification.

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|---------------------------|---|---------------|
| 1. Director of the School | - | Chairman |
| 2. Prof. Parvin Sinclair | - | Mathematics |
| 3. Prof. Jaswant Sokhi | - | Life Sciences |
| 4. Prof. B.I. Fozdar | - | Chemistry |
| 5. Prof. S. Gokhale | - | Physics |
| 6. Dr. Neha Garg | - | Statistics |
| 7. Dr. Maneesha Pandey | - | Biochemistry |
| 8. Dr. K. Nageswar Rao | - | Geography |
| 9. Dr. Omkar Verma | - | Geology |

SB 58 4.2 The School Board discussed the criteria for constitution of the standing committee which states:

- i) Only members of the School Board shall be members of the Standing Committee of the School Board.
- ii) One member from each Discipline would be nominated on the Standing Committee by the School Board by seniority and by rotation.

After detailed discussions, it was decided that as per the criteria of rotation the next senior person to the previous member should be nominated; therefore, it should be Dr. Deepika's turn to be nominated on the Standing committee from the Mathematics Discipline.

SB 58.4.3 The School Board ratified the committee that was notified on 15th February, 2017. However it was also decided that another SBSC should be notified with Dr Deepika as the representative from Math discipline instead of Prof. Sinclair and the term of that standing committee would start from the day of its notification.

SB 58.4.5 As per the above decision, the revised 3rd School Board Standing Committee will be notified.

Item No. 5 To consider and confirm the minutes of the 18th meeting of School Board Standing Committee of School of Sciences held on 27.02.2017.

SB 58 5.1 The Minutes of the 18th meeting of the Standing Committee of the School Board held on 27.02.2017 were placed before the School Board for consideration and confirmation.

SB 58.5.2 Prof Sinclair's comments were read out in the meeting and the comment regarding item no (18.2.1 & 18.7.2) was accepted. The modified Minutes of the 18th meeting of the School Board Standing Committee were **confirmed** by the School Board as such. A copy of the confirmed Minutes is placed at **Annexure- 3**.

Item No.6 To consider and approve the syllabus and design of all the courses to be offered in the Mathematics stream of the B.Sc. under UGC CBCS.

SB 58.6.1 The School Board was informed that the Expert Committee meeting for designing the Mathematics Component of BA/BSC (Math) under UGC-CBCS was held on August 22nd and 23rd, 2016 to finalize the design of the entire mathematics course.

The following were placed before the School Board for approval.

- a) Minutes of the Expert Committee Meeting
- b) Syllabus for each course, viz., Core 1.1-4.1, DSE 1A.1, DSE 1A.2, DSE 1B.1, DSE 1B.2, DSE 1B.3.
- c) Unitised syllabi of these courses, with number of lecture hours and tutorial time taken for each block. (under the heading "tutorials", each block will involve further work, in the form of miscellaneous examples and exercises.)
- d) Expert Committees for each of these courses.

SB 585.6.2 After detailed deliberation, the School Board approved the minutes of the expert committee and syllabus for each courses as mentioned above.

Prof. Vijayshri dissented on syllabi and told that she will give her dissent note separately to be incorporated with minutes, which was noted by the Board. The approved syllabi for B.Sc./B.A. Mathematics courses under the UGC-CBCS are placed at **Annexure 4**.

Item No. 7 To consider and approve the Phase-2 Form for B.Sc. (General) Programme under the UGC-CBCS.

SB 58.7.1 The School Board was informed that in its 55th meeting held on Dec. 4, 2015. the Board had approved that the B.Sc. Programme under the UGC-CBCS and had agreed that the programme would be offered in July, 2016. Since the University has decided that the programme has to be launched in 2018; certain revisions were made in the Phase - 2 form by the B.Sc. Coordination Committee of the School of Sciences.

Accordingly, the Phase 2 form for the B. Sc. (General) programme under the UGC-CBCS was placed for the consideration and approval of the School Board.

SB 58.7.2 During the discussion on the phase 2 form, the following decisions were taken:

1. The School Board reiterates the decision taken in the 56th School Board to review the preparedness of the School in July, 2017 for launching the programme in 2018. As per this decision, all disciplines will review their preparedness for the launch of their courses in 2018.
2. The dates given in the form for CRC of the courses can only be adhered to if adequate support in terms of consultants, and support staff as requested by the various disciplines is provided in timely manner.
3. Regarding point 7 in the form, the decision of offering a choice of any three disciplines to the students rather than giving a choice from fixed combination of three disciplines would be reviewed after 5 years to assess its operational success.
4. Identification of study centers should be done strictly in accordance with the criteria prepared in terms of the required lab equipment that should be available at the proposed study center and number of students allotted/enrolled at that center.
5. It was also decided that the review of the readiness of the Study Material will be discussed in the next School Board.

The Phase - 2 form for the B. Sc. (General) Programme under UGC-CBCS was **approved** by the School Board and is placed at **Annexure-5**.

Item No. 8 To consider and approve the minutes of meeting of B.Sc Expert Committee Meeting of B.Sc (Hons.) Programme of Biochemistry.

SB 58.8.1 It was decided that the item will be placed in the next School Board meeting.

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- Item No. 9** **To consider and approve the list of translators for translating course material of B.Sc (Hon) Programme of Biochemistry.**
- SB 58.9.1 It was decided that the item will be placed in the next School Board meeting.
- Item No. 10** **To consider and approve the name of Course Unit writers and Editors for the B.Sc (Hons.) Programme of Biochemistry as per UGC-CBCS guidelines.**
- SB 58.10.1 It was decided that the item will be placed in the next School Board meeting.
- Item No. 11** **To consider and approve the name of the Hindi Translator for translation of all the courses of B.Sc. (Gen.) with Geology programme as per the guidelines of UGC-CBCS:**
- SB 58.11.1 It was decided that the item will be placed in the next School Board meeting.
- Item No. 12** **To consider and approve the list of language editors for Mathematics courses.**
- SB58.12.1 The names of the following language editors who have the experience of editing mathematics course material were placed before the Board.
1. Mr. Dinesh Sinha, Senior Editorial Consultant,
Byword editorial consultants,
Mukherjee Nagar Commercial complex,
Delhi 110009
Email: editbyword@gmail.com
 2. Mr. Gururaj B. S., Technical Documentation Manager,
BEA Systems, 1st floor, Fairwinds block,
Embassy Golf links road,
Koramangla, Bangalore 560071
Email: gururaj.bs@gmail.com
 3. Kumar Dhangopal, Technical Writer,
BEA Systems, 1st floor, Fairwinds block,
Embassy Golf links road,
Koramangla, Bangalore 560071
Email: kumards_99@yahoo.com
 4. Ms. Malathy A,
Assistant Professor,
School of Humanities,
IGNOU, Maidan Garhi
New Delhi-110068
Email: malathy@ignou.ac.in
- SB 58.12.2 The School Board **approved** the above names of language editors for Mathematics courses.

Item No. 13 To consider and approve the additional list of Experts for Doctoral Committee for Ph.D. (Statistics) programme

SB 58.13.1 It was decided that the item will be placed in the next School Board meeting.

Item No. 14 To consider and approve the Evaluation Methodology of the revised Certificate Programme in Laboratory Techniques (CPLT).

SB 58. 14.1 The revised version of Certificate Programme in Laboratory Techniques (CPLT) is on offer from January 2017. The Phase Zero Form for the revised programme was approved in the 54th Meeting of the School Board, School of Sciences held on 3rd September, 2015 and in the 65th Meeting of Academic Council held on 31st March, 2016. The first Term-End Examinations for all the theory courses are to be held in June 2017. The detailed Evaluation Methodology required to be sent to the Student Evaluation Division (SED) was placed before the School Board. The Board suggested some corrections in the **appendix-1** of the Evaluation Methodology.

SB 58.14.2 With these changes, the School Board **approved** the Evaluation Methodology for the revised CPLT programme and placed at **Annexure-6**.

Item No. 15 To consider and approve the Minutes of the Expert Committee meeting of he Statistics Discipline for Syllabus and Evaluation Methodology of pre-Ph.D. Course work and entrance exam for the Ph. D. in Statistics programme.

SB 58.15.1 The School Board was informed that an Expert Committee meeting of the Ph.D. Statistics programme was held on December 5-6, 2016, to finalise the syllabus and the evaluation methodology of entrance test and Pre-Ph.D. Courses of Ph.D. Statistics programme. The syllabus and the evaluation methodology of entrance test and Pre-Ph.D. Courses of Ph.D. Statistics programme have been discussed in detail and the Committee finalized the syllabus and evaluation methodology for the same.

The minutes of the Expert Committee meeting and the syllabus and evaluation methodology of entrance test and Pre-Ph.D. Courses of Ph.D. Statistics programme are placed before the 58th School Board of School of Sciences for consideration and approval.

SB 58.15.2 The School Board **approved** the syllabus for the entrance test (**placed at Annexure-7**) and suggested that the evaluation methodology of entrance test for Pre-PhD courses of Ph.D. may be placed in the next School Board with Phase-0 form.

Item No. 16 To consider and approve the list of Evaluators, Paper Setters and Moderators for Entrance exam and Pre-Ph.D. Courses of PHDSTAT programme.

SB 58.16.1 It was decided that the item will be placed in the next School Board meeting.

Item No. 17 To consider and approve the Phase Zero form for restructured course work for Ph.D Life Sciences Programme

SB 58.17.1 It was decided that the item will be placed in the next School Board meeting.

Item No. 18 To Consider and approve the list of examiners for the thesis of Mr. Sandipan Das (Enr.No. 112247309) PhD Scholar in Life Sciences.

SB 58.18.1 for the sake of confidentiality, the list of examiners for the thesis entitled "Ethnobotanical studies on Medicinal plants of Manas National Park Assam." of Mr. Sandipan Das was read out before the School Board of School of Sciences for consideration and approval:

Details of Mr. Sandipan Das

1. Enrolment No. : 112247309
2. Date of Registration : January, 2011
3. Topic : **"Ethnobotanical studies on Medicinal Plants of Manas National Park Assam"**

4. Supervisor : Prof. Amrita Nigam,
School of Sciences, IGNOU,
New Delhi-110068

and

Dr. R.K. Sharma,
Professor & Head
Department of Rasashastra and Bhaisajya Kalpna
Govt. Ayurvedic College & Hospital,
Jalukbari, Guwahati – 781014, Assam

5. Date of Pre-Ph.D. thesis submission seminar before Doctoral Committee :
24th January, 2017

6. Number of Publications:

1. Das Sandipan, Nigam Amrita, Sharma Ramakanta (2014) : ***"Ethnobotanical studies of medicinal plants used by Bodo Tribes of Baksa district, BTAD, Assam."*** Global Journal for Research Application, Volume-3, Issue-10, October 2014, Pp84-88.
2. Das Sandipan, Nigam Amrita, Sharma Rama Kanta & Rabha Abhijit (2012) : ***Effect of anthropogenic pressures on the biodiversity conservation in core area of Manas Biosphere Reserve.*** NeBIO – An international journal of environment and biodiversity. Vol. 3, No. 5, December 2012 Pp 52-58.

SB 58.18.2 The School Board **approved** the list of examiners of the thesis of Mr. Sandipan Das (Enr. No. 112247309) Ph.D Scholar in Life Sciences. The School Board also advised that for the sake of confidentiality, the approved list of examiners should not be circulated as a part of the Minutes but be forwarded confidentially to the Research Unit.

Item No. 19 To consider and approve the proposal of Pro-rata fee for attending the repeat or missed lab counseling sessions for the lab courses of PGDAST programme.

SB 58.19.1 It was decided that the item will be placed in the next School Board meeting.

Item No. 20 To consider and approve the list of Experts for Designing and Development of courses in Statistics for B.Sc. programme

SB 58.20.1 It was decided that the item will be placed in the next School Board meeting.

Item No. 21 To consider and approve the minutes of Experts Committee Meeting for the Skill development course “Basic of Drugs and Pharmaceuticals Sale” of B.Sc. Programme (CBCS).

SB 58.21.1 The Board was informed that the meeting of the experts committee for finalizing the syllabus of the Skill Development course “Basic aspects of Drugs and Pharmaceuticals Sale” of B.Sc. CBCS Programme was held on 30th November 2016.

SB 58.21.2 After detailed discussion the School Board **approved** the minutes of the meeting and Syllabus of the Skill Development course and suggested that the name of the course as “Basic Aspects of Drugs and Pharmaceuticals Sale”. The same is placed at **Annexure – 8.**

It was also suggested that it is to be included in the Phase –I form of the B.Sc. (General).

Item No. 22 To consider and approve the recommendation of the Doctoral Committee for cancellation of registration of Ms. Hemlata Maurya from the Ph.D. Programme PHDMTED

SB 58.22.1 The registration period for the candidate Ms. Hemlata Maurya, Ph.D scholar enrolled in the Ph.D Mathematics programme had ended on February 11, 2016, as per the prevailing IGNOU rules. The scholar had submitted an application for the extension of the period by one more year. Based on the recommendation of the Doctoral Committee, Ms. Hemlata Maurya was given an extension of her registration period by one year, i.e., up to February 11, 2017 by the Vice-chancellor to complete her research work and submit her Ph.D. thesis. Since then Ms. Maurya has not been in touch with the supervisors for several months in spite of repeated reminders from them by email and through speed post. Given this situation, a Doctoral Committee meeting was called on Feb.15, 2017 in which all the facts relating to the candidate were placed. The committee has recommended that her registration be cancelled. The minutes of this

meeting are placed as Appendix. The Matter was placed before the School Board of School of Sciences for consideration and approval.

- SB 58.22.2 Matter was discussed in detail and **approved** by the School Board of School of Sciences and placed at **Annexure - 9**.

Item No. 23 To consider and approve the Phase Zero form of Ph.D. Programme in Chemistry.

- SB 58.23.1 The School Board was informed that in view of the UGC minimum standards and procedure for the award of M.Phil./PhD Degree, Regulations, 2016, there was a need to introduce course work for the Ph.D. programme in Chemistry to comply with the Credit requirement prescribed by the UGC Regulation.

- SB 58.23.2 Accordingly, Chemistry Discipline conducted the Programme Expert Committee meeting on 27th Feb. 2017 to design course work structure and syllabi of courses as part of course work for the Ph.D. Programme in Chemistry as per the UGC regulations of 2016. The matter was placed before the School Board of School of Sciences for consideration and approval.

- SB 58.23.3 After detailed deliberation, the School Board of School of Sciences approved the **Phase Zero Form of Ph.D. programme in Chemistry in regular mode** and this is placed at **Annexure -10**.

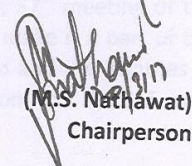
Item No. 24 To consider and approve the Phase -2 form of M.Phil. Programme in Chemistry.

- SB 58.24.1 The School Board was informed that in view of the UGC minimum standards and procedure for the award of M.Phil./PhD Degree, Regulations, 2016, Chemistry Discipline conducted the Programme Expert Committee meeting on 27th Feb. 2017 to design programme structure and course work structure and syllabi of courses as part of course work for the M.Phil. programme in Chemistry as per the UGC regulations of 2016. Phase one of M.Phil have been approved by the School Board in its 57th meeting held on 3rd Nov. 2016 and 52nd Academic Programme Committee held on 8th Feb. 2017.

- SB 58.24.2 Accordingly, Chemistry Discipline conducted the Programme Expert Committee meeting on 27th Feb. 2017 to design course work structure and syllabi of courses as part of course work for the Ph.D. Programme in Chemistry as per the UGC regulations of 2016. The matter was placed before the School Board of School of Sciences for consideration and approval.

- SB 58.24.3 After detailed deliberation, the School Board of School of Sciences approved the **Phase Two Form of M.Phil programme in Chemistry** and it is placed at **Annexure-11**.

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


(M.S. Nathawat)
Chairperson