

MINUTES OF THE 40<sup>TH</sup> MEETING OF THE SCHOOL BOARD OF THE SCHOOL OF SCIENCES HELD ON 10<sup>TH</sup> MARCH 2010 AT 11.00 A.M. IN THE CONFERENCE ROOM, SCHOOL OF SCIENCES, IGNOU, MAIDAN GARHI, NEW DELHI – 110068.

The following members were present:

1. Prof. Sunita Malhotra, Director (SOS), Chairperson
2. Prof. M.C. Sharma, SOE, IGNOU
3. Prof. C.R.K. Murthy, STRIDE, IGNOU
4. Prof. B.S. Saraswat, SOS, IGNOU
5. Prof. S.S. Hasan, SOS, IGNOU
6. Prof. Vijayshri, SOS, IGNOU
7. Prof. Poornima Mital, SOS, IGNOU
8. Prof. B.I. Fozdar, SOS, IGNOU
9. Prof. Javed A. Farooqi, SOS, IGNOU
10. Prof. Neera Kapoor, SOS, IGNOU
11. Prof. S.R. Jha, SOS, IGNOU
12. Prof. Amrita Nigam, SOS, IGNOU
13. Dr. Jaswant Sokhi, SOS, IGNOU
14. Dr. Shubha Gokhale, SOS, IGNOU
15. Dr. Bano Saidullah, SOS, IGNOU
16. Dr. Sanjay Gupta, SOS, IGNOU
17. Dr. S. Venkataraman, SOS, IGNOU

Dr. Ruchika Kuba, SOHS, Sh. P.V. Suresh (SOCIS), Prof. Sujatha Varma and Prof. P. Tripathi could not attend the meeting.

The meeting began with the Chairperson welcoming all the members.

Thereafter, the following items on the agenda were deliberated upon:

**Item No. 1: Confirmation of the minutes of the 39<sup>th</sup> meeting of the School Board of the School of Sciences held on 30<sup>th</sup> October, 2009 and to note the action taken thereon.**

SB 40.1.1 Since, no comments were received on the minutes of the 39<sup>th</sup> meeting of the School Board, the minutes were confirmed. The Action Taken Report on the Minutes of the 39<sup>th</sup> School Board meeting of the School of Sciences was considered and noted by the members. It was suggested that at Sl. No. 20 instead of "Ph.D courses in Life Sciences", the courses should be referred to as "pre-Ph.D courses in Life Sciences".

**Item No. 2: Matters arising from the minutes**

SB 40.2.1 No matter arose from the minutes.

**Item No. 3: Reporting items**

SB 40.3.1 There was no reporting item.

**Item No. 4: To consider and approve the names of the external members to be co-opted to the School Board.**

SB 40.4.1 The chairperson explained that the following co-opted members of the School Board of School of Sciences, nominated under Clause (2) (e) of

Statute 10 A of the Statutes of the University, have completed their term of office on 23<sup>rd</sup> January, 2010:

1. Prof. K. Murlidhar
2. Prof. G.S. Singh
3. Prof. Adimurthi
4. Prof. S.P. Singh
5. Prof. C.K. Varshney

The School Board placed on record the contributions of the members with the sincere thanks for their contribution and sparing their valuable time for participating and contributing to several issues of concern as a member of the School Board of the School of Sciences.

The Chairperson shared that the new members were to be co-opted. She mentioned that she had received some names suggested by the different disciplines and placed them for the consideration of the Board:

#### **Chemistry Discipline Group**

1. Prof. S. Kannan  
Advisor, Manipal Universal Learning  
14, Airport Road  
III Floor, Manipal Towers  
Bangalore, 560008
2. Prof. H.S.P. Rao  
Department of Chemistry  
Pondicherry University  
Pondicherry – 605014

#### **Mathematics Discipline Group**

1. Prof. R. Balasubramanian  
The Institute of Mathematical Sciences  
C.I.T. Campus  
Taramani, Chennai – 600 113
2. Prof. Satya Deo  
Harish-Chandra Research Institute  
Chhatnag Road, Jhansi  
Allahabad - 211019

#### **Life Sciences Discipline Group**

##### **Zoology**

1. Prof. Reena Mathur  
Department of Zoology  
University of Rajasthan  
JLN Marg, Jaipur – 302055  
Rajasthan

## Botany

1. Prof. Anupam Dikshit  
Department of Botany  
University of Allahabad  
Allahabad - 211019  
Uttar Pradesh

## Physics Discipline Group

1. Prof. V.B. Bhatia (Retd.)  
Deptt. of Physics and Astrophysics  
University of Delhi

(Res.) 215/21A  
Faridabad – 121001  
Haryana

SB 40.4.2 The Board considered the above names. The members suggested that these names should not be reflected as suggested by different disciplines but should have been presented as a common suggested list. It was also decided by the Board that every discipline will suggest two names in future.

SB.40.4.3 After deliberations, the following members were co-opted:

1. Prof. H.S.P. Rao
2. Prof. R. Balasubramanian
3. Prof. V.B. Bhatia (Retd.)
4. Prof. Anupam Dikshit
5. Dr. Hriday Kant Dewan  
Vidya Bhawan Society  
Udaipur- 313 004  
(Rajasthan)

✓ Item No. 5: To consider the progress report of Mr. Umapati Pattar, Ph.D scholar in Physics, for the period from 01/07/2009 to 31/12/2009.

SB 40.5.1 The Progress Report submitted by Sh. Umapati Pattar, Ph.D. scholar for the period from 01/07/2009 to 31/12/2009 along with the observations of his supervisors Prof. S.C. Garg and Dr V.H. Raybagkar, was placed before the School Board members.

SB 40.5.2 The members considered and noted with satisfaction the progress of Shri Umapati Pattar in the Ph.D. programme. The progress report is enclosed as Annexure-1. The Board recommended that the progress report may be forwarded for the consideration and approval of the Research Council.

✓ Item No. 6: To consider and approve the additional list of evaluators for PHE-01 and PHE-02 and the list of evaluators for PHE-10.

SB 40.6.1 The names given in the additional list of evaluators for the Physics courses PHE-01 and PHE-02 and the list of evaluators for PHE-10 were considered by the School Board.

SB.40.6.2 The Board decided to recommend these names in the additional list of evaluators of PHE-01 and PHE-02 and the list of evaluators for PHE-10 to the Vice-Chancellor for approval. These lists are enclosed as Annexure-2.

Item No. 7: To consider and approve the list of paper setters and evaluators for second semester of M.Sc. Chemistry (On campus Full-time Programme).

40.7.1 The names given in the list of paper setters and evaluators for second semester of M.Sc. Chemistry (On campus Full-time Programme) were considered by the School Board.

40.7.2 The Board decided to recommend these names in the list of paper setters and evaluators for second semester of M.Sc. Chemistry (On campus Full-time Programme) to the Vice-Chancellor for approval. These lists are enclosed as Annexure-3.

Item No. 8: To consider and approve the creation of new disciplines.

SB 40.8.1 The Chairperson informed the members that the Faculty members of the School of Sciences recommended on 24<sup>th</sup> Sept., 2008, the creation of some new disciplines (enclosed as Annexure-4a) as was desired by the committee constituted in IGNOU for the purpose. However, the proposal could not be deliberated upon by the committee as it reached it late. Later, in the 45<sup>th</sup> Academic Council meeting held on 24<sup>th</sup> October, 2008, this issue was raised by the Director (SOS). It was suggested by the Board that the proposal could be sent again for the consideration of the Academic Council. The proposal was sent for the consideration of the Vice-Chancellor for placing in a subsequent Academic Council meeting. However, the PVC-in-charge of the School has suggested that the proposal be deliberated upon by School Board and then sent for Academic Council's consideration.

Meanwhile, four new disciplines namely Statistics, Geology, Geography and Biochemistry alongwith 7 posts in each have been created vide notification no. 1112 dated 5<sup>th</sup> June, 2009 (enclosed as Annexure-4b).

SB 40.8.2 The Board considered the proposal and after due deliberations, the Board decided to recommend the creation of the following new disciplines which may be grouped alongwith existing disciplines in new Schools as follows:

#### **School of Chemical Sciences**

- Polymer Science (new)
- Chemistry (existing)

#### **School of Physical Sciences**

- Materials Science (new)
- Energy Sciences (new)
- Electronics (new)
- Physics (existing)

### School of Environmental Sciences

- Environmental Sciences (new)
- Geology (recently created)
- Geography (recently created)

### School of Mathematical Sciences

- Operations Research (new)
- Econometrics (new)
- Mathematics (existing)
- Statistics (Recently created)

### School of Life Sciences

- Biochemistry (recently created)
- Life Sciences (existing)

- SB 40.8.3 (i) Regarding the other suggested new disciplines such as biotechnology, bioinformatics, pharmaceutical sciences, it was decided that a brain storming session may be held to decide about the creation and placement of these disciplines.
- (ii) A new discipline of Science and Mathematics Education may also be created which may be placed under School of Education.
- (iii) A new School of Forensic Sciences was also proposed to be created as it involves the inputs from various areas of Chemistry, Life Sciences, Physics, Law, Medicine, Social Sciences, etc.

✓ Item No. 9: To consider the progress report of Ms. Arti Kaushik, Ph.D scholar in Mathematics, for the period from July, 2009 to December, 2009.

SB 40.9.1 The Progress Report submitted by Ms. Arti Kaushik, Ph.D. scholar for the period from July, 2009 to December, 2009 alongwith the observations of her supervisors Prof. Poornima Mital and Dr. D.K. Khattar, was placed before the School Board members.

SB 40.9.2 The members considered the report and noted with satisfaction the progress made by Ms. Arti Kaushik in the Ph.D. programme. The progress report is enclosed as Annexure-5. The Board recommended that the progress report may be forwarded for the consideration and approval of the Research Council.

*The Chairperson requested the members to consider the following tabled items.*

### ITEM NO. 10: Tabled Agenda Items

✓ 10 (i) : To consider and approve the Phase-2 and Phase-3 Forms for the proposed Post Graduate Certificate Programme in Nanoscience.

SB 40.10(i).1 The Board considered and approved the Phase-2 and Phase-3 forms for the proposed Post Graduate Certificate Programme in Nanoscience

and suggested that the following should also be included as eligibility for enrollment to this programme in the Phase-3 form at point no. 10.

"B.Sc. (General) with Physics as one of the subjects"

The Phase forms are enclosed as Annexure-6.

- ✓ 10 (ii) : To consider and approve the eligibility criteria of students of Diploma in Aquaculture (DAQ) as 10 + 2 pass.

SB 40.10(ii).1 The Chairperson informed the members that students with 10+2 having non sciences background are making queries to seek admission to Diploma in Aquaculture (DAQ) as this is a vocational course and it offers career opportunities in the field of Aquaculture/ Fisheries.

This change in the eligibility criteria will widen the opportunities for learners seeking admission to this programme.

SB 40.10(ii).2 In view of the above, the Board approved the change in eligibility criteria from 10+2 Science to 10+2 pass (any stream).

- ✓ 10 (iii) : To consider and approve the list of paper setters, moderators and evaluators for the courses RMT-002, RMT-003, RMTE-007, RMTE-009 and RMTE-010 for the Ph.D. Programme in Mathematics.

SB 40.10(iii).1 The names given in list of paper setters, moderators and evaluators for the courses RMT-002, RMT-003, RMTE-007, RMTE-009 and RMTE-010 for the Ph.D. Programme in Mathematics were considered by the School Board.

SB 40.10(iii).2 The School Board decided to recommend the names given in list of paper setters, moderators and evaluators for the courses RMT-002, RMT-003, RMTE-007, RMTE-009 and RMTE-010 for the Ph.D. Programme in Mathematics to the Vice-Chancellor for approval. The lists are enclosed as Annexure-7.

- ✓ 10 (iv) : To consider and approve the list of evaluators, paper setters and moderators for the course MMTE-006 (Cryptography) of the M.Sc. (MACS) programme.

SB 40.10(iv).1 The names given in lists of evaluators, paper setters and moderators for the course MMTE-006 (Cryptography) of the M.Sc. (MACS) programme were considered by the School Board. The Board suggested that in the list of the members of moderation board, under the category of internal faculty members, names of more faculty members may be added.

SB 40.10(iv).2 The School Board decided to recommend the names given in the lists of evaluators, paper setters and moderators for the course MMTE-006 (Cryptography) of the M.Sc. (MACS) programme to the Vice-Chancellor for approval. The lists are enclosed as Annexure-8.

✓ 10 (v) : To consider and approve practical examiners for the M.Sc. (MACS) courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003 and MMTE-004.

SB 40.10(v).1 The names given in lists of practical examiners for the M.Sc. (MACS) courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003 and MMTE-004 were considered by the School Board.

SB 40.10(v).2 The School Board decided that modified list may be submitted for practical examiners for the M.Sc. (MACS) courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003 and MMTE-004. The lists are enclosed as Annexure 9.

✓ 10 (vi) : To consider and approve the list of evaluators for the mathematics courses MTE-01 and MTE-04.

SB 40.10(vi).1 The names given in the list of evaluators for the mathematics courses MTE-01 and MTE-04 were considered by the School Board.

SB 40.10(vi).2 The School Board decided to recommend the names given in the list of evaluators for the mathematics courses MTE-01 and MTE-04 to the Vice-Chancellor for approval. The lists are enclosed as Annexure-10.

10 (vii) : To ratify the action taken by the Chairperson in recommending the names of the examiners for the term-end practical exams of the courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003 and MMTE-004 for approval by the VC/PVC.

SB 40.10(vii).1 The Chairperson informed the members that in view of the urgency of term-end practical exams for the courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003 and MMTE-004 of M.Sc. (MACS) programme approval was obtained from the VC/PVC. The names of examiners were placed before the Board for consideration and ratification.

SB 40.10(vii).1 The Board ratified the action taken by the Chairperson in obtaining the approval of the VC/PVC of examiners for the term-end practical exams of the courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003 and MMTE-004. However, it was decided that the list containing the official addresses of the recommended names be provided. These modified lists are enclosed as Annexure-11.

10 (viii) : To consider and approve the names of Experts for designing, setting and moderation of question paper (for Life Sciences, Zoology and Botany) for the Entrance Test of M.Sc. (Life Science) programme to be offered On Campus in face-to-face mode.

SB 40.10(viii).1 This item was considered as withdrawn by the School Board from the lists of agenda items.

✓ 10 (ix) : To consider and approve the names of evaluators received from SED and recommended by the faculty members for different courses.

SB 40.10(ix).1 The following evaluators were approved for different courses:

**For FST-01 (Foundation Course in Science and Technology)**

1. Dr. Jagdish Ojha, Retd. Professor and Head of the University, Deptt. of Zoology and Dean Faculty of Sciences, T.M. Bhagalpur University, Bihar.
2. Dr. Om Prakash, Reader in Botany, Y.N. College Dighwara, Saran, Bihar.
3. Dr. Madan Prasad Sinha, Retd. Professor, Patna University.

**For CHE-01 (Atoms and Molecules) and CHE-04 (Physical Chemistry)**

1. Dr. Udai Arvind, Lecturer (Sr. Scale), Head of the Chemistry Department, Kajendra College, J.P. University, Chapra.

**For CHE-02 (Inorganic Chemistry)**

1. Dr. Kamalika Banerjee (Kar), Sr. Lecturer in Chemistry, School of Sciences, IGNOU, Maidan Garhi, New Delhi – 110068.
2. Dr. Birendra Kumar, Sr. Lecturer, Deptt. of Chemistry, Maharaja College (V.K.S.U.) Ara (Bhojpur).

It was decided that for the Life Sciences courses, the list of evaluators would be generated by the Life Sciences faculty for further necessary approvals.

**10 (x) : To note the action taken by the Research Council in approving the progress reports of the RTAs associated with Life Sciences discipline.**

SB 40.10(i).1 The Chairperson shared with the members that the approval of the progress reports for the period from July, 2009 to December, 2009 along with the observations of their supervisors of the following RTAs associated with Life Sciences discipline were obtained from the 16<sup>th</sup> Research Council in its meeting held on 3<sup>rd</sup> February, 2010.

1. Ms. Ripu Daman Sood
2. Ms. G. Lakshmi
3. Ms. Anamika Tripathi

SB 39.18.2 The progress reports of above listed RTAs were placed before the Board and Board noted the progress. These Progress Reports are enclosed as Annexure-12.

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



**(Sunita Malhotra)**