

MINUTES OF THE 41st MEETING OF THE SCHOOL BOARD OF THE SCHOOL OF SCIENCES HELD ON 29th NOVEMBER, AT 10.30 A.M. IN THE CONFERENCE ROOM, SCHOOL OF SCIENCES, IGNOU, MAIDAN GARHI, NEW DELHI – 110068.

The following members were present:

1. Prof. Geeta Kaicker, Director (SOS), Chairperson
2. Prof. P.T. Manoharan, Head, Raman Chair (Special Invitee)
3. Prof. H.S.P. Rao, Pondicherry University
4. Prof. V.B. Bhatia (Retd.), University of Delhi
5. Dr. Hriday Kant Dewan, Vidya Bhawan Society
6. Prof. E. Vayunanadan, SOSS, IGNOU
7. Prof. B.S. Saraswat, SOS, IGNOU
8. Prof. S.S. Hasan, SOS, IGNOU
9. Prof. Poornima Mital, SOS, IGNOU
10. Prof. Sujatha Varma, SOS, IGNOU
11. Prof. B.I. Fozdar, SOS, IGNOU
12. Prof. Neera Kapoor, SOS, IGNOU
13. Prof. S.R. Jha, SOS, IGNOU
14. Prof. Javed A. Farooqi, SOS, IGNOU
15. Prof. Amrita Nigam, SOS, IGNOU
16. Dr. Lalita S. Kumar, SOS, IGNOU
17. Dr. Deepika, SOS, IGNOU
18. Dr. Kamalika Banerjee, SOS, IGNOU
19. Dr. Shubhalakshmi Lamba, SOS, IGNOU
20. Dr. Meenal Mishra, SOS, IGNOU
21. Mr. Rajesh Kaliraman, SOS IGNOU

Prof. R. Balasubramanian (The Institute of Mathematical Sciences, Chennai), Prof. Anupam Dikshit (University of Allahabad) Prof. Vibha Joshi (SOE, IGNOU), Dr. Neera Singh (SOH, IGNOU), Dr. Naveen Kumar (SOCIS, IGNOU), Prof. S.C. Garg (SOS, IGNOU), Prof. Vijayshri (SOS, IGNOU), Prof. Sunita Malhotra (SOS, IGNOU) could not attend the meeting.

The meeting began with the Chairperson welcoming all the members, and particularly the new external members, Prof. H.S.P. Rao, Prof. V.B. Bhatia, Dr. Hriday Kant Dewan, Prof. R. Balasubramanian, Prof. Anupam Dikshit. She also welcomed the Internal new members Prof. E. Vayunanadan, Prof. Vibha Joshi, Dr. Neera Singh and Dr. Naveen Kumar (nominated under Clause(2)(d) of Statute 10 A) and Dr. Lalita S. Kumar, Dr. Deepika, Dr. Kamalika Banerjee, Dr. Shubhalakshmi Lamba, Dr. Meenal Mishra and Mr. Rajesh Kaliraman (nominated under Clause (2) (c) of Statute 10A).

The chairperson also appreciated the valuable contributions of outgoing members of School Board, School of Sciences during their tenure, namely, Prof. S.P. Singh (Retd.) (Kurukshetra University), Prof. G.S. Singh (IIT Roorkee), Prof. K. Murlidhar (University of Delhi), Prof. C.K. Varshney (Retd.) (JNU), Prof. Adimurthi (TIFR Centre), Prof. M.C. Sharma (SOE, IGNOU), Prof. C.R.K. Murty (STRIDE, IGNOU), Sh. P.V. Suresh (SOCIS, IGNOU), Dr. Ruchika Kuba (SOHS, IGNOU), Dr. Shubha Gokhale (SOS, IGNOU), Dr. Bano Saidullah (SOS, IGNOU), Dr. Sanjay Gupta (SOS, IGNOU), Dr. S. Venkataraman (SOS, IGNOU).

The Chairperson informed the members that four new Disciplines have been added and 7 new faculty members (2 faculty members in Statistics and 5 faculty members in Geology discipline groups) have joined the School of Sciences. Dr. Meenal Mishra from Geology discipline and Mr. Rajesh Kaliraman from Statistics discipline groups have been nominated by the competent

authority under Clause (2) (c) of Statute 10A. The Chairperson informed the Board that she has received a letter from Prof Vijayashri one of the members who could not attend today's meeting and on the request of the board members she read out the contents of the letter. The School Board noted the views of the member regarding the listed items and decided that the member's views could be considered as part of discussion on the agenda items and whatever the final decision emerged after discussion would be recorded in the minutes.

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

Item No. 1: Confirmation of the minutes of the 40th meeting of the School Board of the School of Sciences held on 10th March, 2010 and to note the action taken thereon.

SB 41.1.1 Since no comments were received on the minutes of the 40th meeting of the School Board, the minutes were confirmed. The Action Taken Report on the Minutes of the 40th School Board meeting of the School of Sciences was considered and noted by the members.

Item No. 2: Matters arising from the minutes

SB 41.2.1 No matter arose from the minutes.

Item No. 3: Reporting items

SB 41.3.1 there was no reporting item.

Item No. 4: To consider and approve the recommendations of Doctoral Committee in Physics in its meeting held on 6th September, 2010.

SB 41.4.1 The Board considered and approved the recommendations of the Doctoral Committee in Physics. Of the 5 candidates that presented their Ph.D. proposals in the Doctoral Committee, only **Mr B.N. Dileep was recommended in the area of Nuclear Reactors**. The members also suggested that such items should be considered as reporting items and rather than waiting for the approval of the School Board, necessary action in such cases may be initiated at the Doctoral Committee level.

Item No. 5: To consider the progress report of Mr. Umapati Pattar, Ph.D scholar in Physics, for the period from 01/01/2010 to 30/06/2010.

SB 41.5.1 The Progress Report submitted by Sh. Umapati Pattar, Ph.D. scholar for the period from 01/01/2010 to 30/06/2010 along with the observations of his supervisors Prof. S.C. Garg and Dr V.H. Raybagkar, was placed before the School Board members.

SB 41.5.2 The members considered and noted the progress of Shri Umapati Pattar in the Physics Ph.D. programme. The members discussed the need to have reports in the new format given by the Research Unit and suggested that it would be better that such progress reports of research students be first discussed in the Doctoral Committee and the recommendation of that committee may be placed in the School Board as reporting items and be discussed in the School Board only if the report is

contentious. The Board recommended that the progress report may be forwarded for consideration and approval of the Research Council.

Item No. 6: To consider the progress report of Mr. Xavier Gama, Ph.D scholar in Physics registered with Dr. Shubha M. Gokhale and Prof. R.L. Patil.

SB.41.6.1 The Progress Report submitted by Mr. Xavier Gama, Ph.D. scholar for the period from Oct. 2008 to Sept 2010 along with the observations of his supervisors Dr. Shubha M. Gokhale and Prof. R.L. Patil was placed before the School Board members. The Board noted that the progress report for the period 2009 was not submitted for certain humanitarian reasons and suggested that in the future all such reasons can be accepted after discussion within the discipline with the Director and be communicated to the Research Council.

SB.41.6.2 The members considered and noted the progress of Mr. Xavier Gama in the Ph.D. programme. The Board recommended that the progress report may be forwarded for the consideration and approval of the Research Council.

Item No. 7: To consider and approve the admission to Ph.D (Physics Programme) in the light of UGC Gazette Notification No. 28, dated 11th July, 2009 at Sr. No. 5, the Physics Discipline Group proposes that (in addition to the statutory provisions of the University) henceforth

"Only those candidates willing to work in the full-time on Campus mode be admitted to the Ph.D (Physics) programme."

SB.41.7.1 The Chairperson requested Prof. S.R. Jha to present the proposal as this was initiated by the Physics Discipline. He presented the view point of the Physics Discipline Group that only those candidates willing to work in the full-time on Campus mode be admitted to the Ph.D (Physics) programme.

SB.41.7.2 The members suggested that this proposal would also relate to other Disciplines/Schools, therefore, this issue may be discussed in some larger body at university level and taken up with UGC by the Research Council rather than in the School Board

Item No. 8: To consider and approve the list of paper setters, evaluators and members of Moderation Board of B.Sc. (Physics) electives and LT-04 (Laboratory Techniques in Physics).

SB 41.8.1 The names given in the lists of paper-setters, moderators and evaluators submitted by the Physics faculty, for the courses PHE-01, PHE-02, PHE-04, PHE-05, PHE-06, PHE-07, PHE-09, PHE-10, PHE-11, PHE-13, PHE-14, PHE-15, PHE-16 and LT-04 were considered by the School Board. It was pointed out that contact details in the list of evaluators and paper-setters of different courses were missing in some cases. The members suggested that contact details should also be included as this is a mandatory requirement from SED. The Board decided to recommend these names in the lists to the Vice-Chancellor for approval.

- Item No. 9:** To consider the progress report of Ms. Arti Kaushik, Ph.D scholar in Mathematics, for the period from January, 2010 to June, 2010.
- SB 41.9.1** The Progress Report submitted by Ms. Arti Kaushik, Ph.D. scholar for the period from January, 2010 to June, 2010 along with the observations of her supervisors Prof. Poornima Mital and Dr. D.K. Khattar, was placed before the School Board members.
- SB 41.9.2** The members considered the report and noted the progress made by Ms. Arti Kaushik in the Ph.D. programme. The Board recommended that the progress report may be forwarded for the consideration and approval of the Research Council.
- Item No. 10:** To ratify the action taken by the Chairperson in recommending the names of practical Term-end examiners of Chennai, Cochin, Delhi, Pune and Ranchi centre for the courses of M.Sc. (MACS) programme approved by the VC/PVC.
- SB 41.10.1** The Chairperson informed the members that the approval of the list of internal and external practical examiners of Chennai, Cochin, Delhi, Pune and Ranchi for the courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003, MMTE-004, MMTE-005, MMTE-006 and MMTE-007 courses of M.Sc. (MACS) programme were obtained from the VC/PVC. These lists were placed before the Board for ratification.
- SB 41.10.2** The Board ratified the action taken by the Chairperson in obtaining the approval of internal and external practical examiners of Chennai, Cochin, Delhi, Pune and Ranchi for the courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003, MMTE-004, MMTE-005, MMTE-006 and MMTE-007 courses of M.Sc. (MACS) programme by the VC/PVC.
- Item No. 11:** To ratify the action taken by the Chairperson in recommending the names of practical Term-end examiners of Kolkata centre for the courses of M.Sc. (MACS) programme approved by the VC/PVC.
- SB 41.11.1** The Chairperson informed the members that the approval of the list of internal and external practical examiners Kolkata for the courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003, MMTE-004, MMTE-005, MMTE-006 and MMTE-007 courses of M.Sc. (MACS) programme were obtained from the VC/PVC. These lists were placed before the Board for ratification.
- SB 41.11.2** The Board ratified the action taken by the Chairperson in obtaining the approval of internal and external practical examiners of Kolkata for the courses MMT-001, MMT-007, MMT-008, MMTE-001, MMTE-003, MMTE-004, MMTE-005, MMTE-006 and MMTE-007 courses of M.Sc. (MACS) programme by the VC/PVC.
- Item No. 12:** To ratify the action taken by the Chairperson in recommending the additional names of the paper setters and evaluators for MTE-02 (Linear Algebra), MTE-04 (Elementary Algebra) and MTE-06 (Abstract Algebra) approved by the VC/PVC.
- SB 41.12.1** The Chairperson informed the members that the approval of the additional names of the paper setters and evaluators for MTE-02, MTE-04 and MTE-06 for the

Mathematics courses was obtained from the VC/PVC. These lists were placed before the Board for ratification.

SB 41.12.2 The Board ratified the action taken by the Chairperson in obtaining the additional names of the paper setters and evaluators for MTE-02, MTE-04 and MTE-06 for the Mathematics courses by the VC/PVC.

Item No. 13: To consider and approve the list of moderators, evaluators and paper setters for the courses MMT-004 (Real Analysis), MMT-006 (Functional Analysis), MMTE-001 (Graph Theory), MMTE-003 (Image Processing and Pattern Recognition) and MMTE-007 (Soft Computing and its Applications), the list of moderators for the course MMTE-005 (Coding Theory) and the paper setter for the course MMTE-002 (Design and Analysis of Algorithm) which are a part of MACS programme.

SB 41.13.1 The list of moderators, evaluators and paper setters for the courses MMT-004, MMT-006, MMTE-001, MMTE-003 and MMTE-007 and the list of moderators for the course MMTE-005 and the paper setter for the course MMTE-002 courses of M.Sc. (MACS) programme were considered by the School Board. Few members objected to the way names of Professors were given in Column no. 2 in the list of Moderation Board of Mathematic courses. After discussion it was decided that name of any professor(s) from the Discipline Group who is/are actually involved in a particular course may be given rather than only the name of the senior most Professor. It was also suggested that since the Director is ex-officio member of the Moderation Board the name need not be mentioned. The Board decided to recommend the names in the lists to the Vice-Chancellor for approval.

Item No. 14: To consider and approve the list of moderators, evaluators and paper setters for the course AST-01 (Statistical Techniques), the list of moderators for the course MTE-12 (Linear Programming) of BDP programme.

SB 41.14.1 The names given in the lists of paper-setters, moderators and evaluators for the Mathematics courses AST-01 and MTE-12 of BDP programme were considered by the School Board. The Board decided to recommend the names to the Vice-Chancellor for approval.

Item No. 15: To consider and approve the additional faculty positions in Mathematics discipline.

SB 41.15.1 The Chairperson requested Prof. Poornima Mital to brief the members about the need and the rationale behind this proposal. Prof. Mital informed the Board that her discipline is facing great difficulty even in maintenance of developed courses and the discipline has started a M.Sc. programme as well. According to her there is a requirement of 7 more faculty positions in Math Discipline. Some members informed the Board that BOM has already sanctioned a certain number of faculty position in different Disciplines on the basis of the projected workloads. Prof Mital explained that these positions are in addition to the previously sanctioned positions.

SB 41.15.2 It was decided that at first stage university authorities should be requested to create and fill the sanctioned positions in the respective Disciplines. Also there should be a further discussion in the disciplines and a consolidated proposal should be presented from the School for additional posts according to the present workload. School Board also suggested that this decision is also applicable to Item No. 32.

Item No. 16: To consider and approve the list of examiners for the course MMTP-001 (Project) for the M.Sc. (MACS) programme.

SB 41.16.1 The list of examiners for the course MMTP-001 (Project) for the M.Sc. (MACS) programme was considered by the School Board. The Board decided to recommend the names in the lists to the Vice-Chancellor for approval.

Item No. 17: To consider and approve practical examiners for the courses MMT-007, MMTE-001, MMTE-003, MMTE-004, MMTE-005, MMTE-006 and MMTE-007 of M.Sc. (MACS) programme.

SB 41.17.1 The list of practical examiners for the courses MMT-007, MMTE-001, MMTE-003, MMTE-004, MMTE-005, MMTE-006 and MMTE-007 of M.Sc. (MACS) programme was considered by the School Board. The Board decided to recommend the names in the lists to the Vice-Chancellor for approval.

Item No. 18: To consider and approve the revised syllabi of mathematics courses of BDP programme recommended by the expert committee meeting held from 20th September, 2010 to 22nd September, 2010.

SB 41.18.1 The members approved in principle the revised syllabi of mathematics courses of BDP programme. However, it was recommended that since it is not a University policy to offer stand alone 2 credit courses, the faculty should ensure that all courses are offered as 4 credit or combinations of 4 credits.

Item No. 19: To consider and approve the Phase 3 form of Certificate and Diploma Programme (Modular) in Bioinformatics.

SB 41.19.1 The Chairperson requested the programme coordinator Prof. S.S. Hasan to briefly explain the salient features of the programmes. He shared with the members that the programmes are modular in nature and will be offered in distance mode. A MoU has been signed between IGNOU and Kerala University for design and development of the programme. The Phase-I form of Certificate and Diploma Programmes is already approved by the School Board and Academic Council. The Phase 3 form was placed before the members for consideration and approval.

SB 41.19.2 Members pointed out that detailed syllabi of courses and the minutes of Experts Committee and Course Expert Committee were not appended. In this light it is difficult to consider this proposal. The School Board suggested that this proposal may be submitted in forthcoming School Board meeting with necessary details. Also, the approval of only the certificate programme should be sought in the first instance as the syllabus for the diploma has not been designed.

Item No. 20: To report the action taken by the 31st Meeting of the Academic Council's Standing Committee meeting held on 12th May, 2010 to consider and approve the programme structure, detailed curriculum of Master's Degree in Bio-Informatics and Bio-technology (Face-to-face mode) in collaboration with Institute of Bio-informatics and Biotechnology (IBAB) at Bangalore.

SB 41.20.1 The Chairperson requested the programme coordinator Prof. S.S. Hasan to briefly explain the salient features of the programme. He shared with the members that the

programme will be offered in the face to face mode at IBAB Bangalore. A MoU has been signed between IGNOU and IBAB and a Joint Coordination Committee would monitor the progress of the programme. The Phase-3 form of the Programme is already approved by the Academic Council Standing Committee. The action taken by the Standing Committee of the Academic Council was reported to the School.

SB 41.20.2 The Board considered and noted the proposal of the programme and suggested the following:

- i) All matters concerning the Programme should be first discussed in the JCC. The fee should be decided by JCC, it should not be left to Host institution.
- ii) IGNOU's share in programme fee should also be clear in the MOU

The Board noted the programme structure and detailed curriculum for different courses of the programme.

Item No. 21: To approve the list of evaluators/additional list of evaluators, for courses offered by the Life Sciences Discipline group.

SB 41.21.1 The names given in the list of evaluators/additional list of evaluators submitted by the Life Sciences faculty, for the courses LSE-01, LSE -02, LSE-03, LSE-04, LSE-05, LSE-06, LSE-07, LSE-09, LSE-10, LSE-11, LSE-12, LSE-13 and LSE-14 were considered by the School Board. The Board decided to recommend the names to the Vice-Chancellor for approval.

Item No. 22: To report approval of the structure of the full-time Master's Degree Programme in Life Sciences, its detailed curriculum, mode of entry of students, evaluation methodology, list of paper setters, moderators and evaluators for the entrance test of the programme in the 31st ACSC held on 12th May, 2010.

SB 41.22.1 The School Board noted the programme structure, detailed curriculum, evaluation methodology, list of paper setters, moderators and evaluators for the entrance test of the programme.

Item No. 23: To note the approval of the Vice-Chancellor for the registration of 8 candidates for Ph.D in Life Sciences after the ratification by the RCSC.

SB 41.23.1 The Chairperson shared with the members that the approval of the registration of the 8 students for Ph.D in Life Sciences and their Internal and External supervisors was obtained from the RCSC in its meeting held on 7th September, 2010.

SB 41.23.2 The Board noted the registration of the 8 students for Ph.D in Life Sciences and their Internal and External supervisors. One of the members wanted to see the details of the candidates that had been selected. Since the bio data of the candidates were not available in the meeting, the chairperson agreed to provide the details to any member on a written request. Details of bio-data of external supervisors were not provided with this Item, therefore, members suggested that their approval may be taken in the forth coming School Board Meeting.

Item No. 24: To ratify the action taken by the Chairperson in recommending the names of the paper setters evaluators and the members of the moderation boards of the courses MCH-001, MCH-002, MCH-003 and MCH-004 for the term-end examination, June, 2010 approved by the VC/PVC.

SB 41.24.1 The Board noted and ratified the action taken by the Chairperson in obtaining the approval of the names of the examiners for term-end practical exams for the above listed courses by the VC/PVC.

Item No. 25: To ratify the action taken by the Chairperson in recommending the names of evaluators for the different discipline groups received from SED and approved by the VC/PVC.

SB 41.25.1 The Chairperson informed the members that the School has received the Bio-data of evaluators for empanelment for the different Programmes/Courses(s) of the School from Registrar (SED) and these are recommended by the faculty members of the School and the approval of evaluators for these courses were obtained from the VC/PVC. These lists were placed before the Board for ratification.

SB 41.25.2 The Board ratified the action taken by the Chairperson for empanelment of the names of the evaluators for these courses by the VC/PVC.

Item No. 26: To consider and approve the bio-data of Mr. Anshuman Upadhayay, ARD, Jaipur for empanelment as Evaluator for the courses FST-01 and AHE-01.

SB 41.26.1 The bio-data of Ms. Anshuman Upadhayay, ARD, Jaipur for empanelment as Evaluator for courses FST-01 and AHE-01 was considered by the School Board. The Board decided to recommend the name of Ms. Anshuman Upadhayay to the Vice-Chancellor for approval.

Item No. 27: To note the action taken by the Research Council in approving the progress reports of the RTAs associated with Life Sciences discipline.

SB 41.27.1 The Chairperson shared with the members that the approval of the progress reports along with the observations of their supervisors of the following RTAs associated with Life Sciences discipline were obtained from the RCSC meeting in its meeting held on 7th September, 2010.

1. Ms. Ripu Daman Sood
2. Ms. Anamika Tripathi

SB 41.27.2 The progress reports of above listed RTAs were placed before the Board for consideration and the Board noted the Progress Report of RTAs associated with Life Sciences discipline.

Item No. 28: To consider and approve the list of evaluators and paper setters for 1st semester of M.Sc. Life Sciences courses (On campus full-time programme), IGNOU.

SB 41.28.1 The names given in the list of paper setters and evaluators for 1st semester of M.Sc. Life Sciences (On campus Full-time Programme) were considered by the School Board.

- SB 41.28.2 The Board decided to recommend the names in the list of paper setters and evaluators for first semester of M.Sc. Life Sciences (On campus Full-time Programme) to the Vice-Chancellor for approval.
- Item No. 29:** To consider and approve the progress reports of RTAs associated with Life Sciences discipline.
- SB 41.29.1 The members considered the reports and noted the progress made by Ms. Ripu Daman Sood, Ms. Anamica Tripathi and Ms. Lakshmi. The Board recommended that the progress report may be forwarded for the consideration and approval of the Research Council.
- Item No. 30:** To consider and approve the list of paper setters, moderators and evaluators, for the courses offered by the Chemistry discipline.
- SB 41.30.1 The names given in the lists of paper-setters and evaluators for the courses: CHE-01, CHE-02, CHE-04, CHE-05, CHE-06, CHE-09, CHE-10, MCH-511, MCH-512, MCH-513, MCH-514, MCH-515, MCH-516, MCH-517, additional moderators for the courses: CHE-01, CHE-04, CHE-09 and CHE-10, and additional names for paper setters and evaluators of MCH-414 and MCH-417 submitted by the Chemistry Discipline. These were considered by the School Board. One of the members suggested that the name of Prof Shakti Ahmed be removed from the list for CHE-05 as she has expressed her inability to take up this work. However Prof B S Saraswat from the Chemistry Discipline requested the Chairperson to note his dissent on this agenda. According to him these lists were not prepared as per the IGNOU Ordinance Schedule 9.7(A) as he had not been consulted even for the lists generated for courses that he was coordinating.
- On this point other three members of Chemistry Discipline informed the Board that these lists were discussed in the Discipline group Meeting and this is the procedure so far followed in most of Discipline in the School of Sciences. All members of the discipline were intimated by email about the Discipline meeting held for this purpose.
- SB 41.30.2 The Board decided to recommend the names in the lists to the Vice-Chancellor for approval.
- Item No. 31:** To consider and approve the Phase 1 form for the M.Sc. Chemistry (Distance Mode) Programme.
- SB 41.31.1 The Chairperson requested the programme coordinator Dr. Kamalika Banerjee to explain briefly the salient features of the programmes. She shared with the members that there is a good demand for the Master's programme in Chemistry through the distance learning mode and the Chemistry faculty would like to use their experience of face-to-face programme in the development of this distance mode programme. The Phase-I form of M.Sc. Chemistry (Distance Mode) was placed before the members for consideration and approval.
- SB 41.31.2 The members approved the Phase I form for the M.Sc. Chemistry (Distance Mode).

Item No. 32: To consider and approve the creation of 15 (fifteen) faculty positions in the Chemistry Discipline.

SB 41.32.1 The decision of the Item No. 15 is also applicable for this Item.

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

ITEM NO. 33: Tabled Agenda Items

SB 41.33 (i): To consider and approve the recommendations of Doctoral Committee in Chemistry in its meeting held on 1st September, 2010.

SB 41.33(i).1 The Board considered the recommendations of Doctoral Committee in Chemistry. Ten candidates had presented their proposals of which the 8 recommended candidates are 1) Mayangalambam, 2) Anshu Raina, 3) S. Krishnaraj, 4) Ramil Kumar Bhardwaj, 5) Rajeev Rattan, 6) MD Ashraf, 7) Sonia Tyagi and 8) S. J. Patil. However, the members suggested that there is a need to take approval of External Supervisors from the School Board. The recommendations of the Doctoral Committee are approved and are to be placed in the Research Council (see as Annexure-1).

SB 41.33 (ii) To consider and approve the Phase-1 form for the proposed Post Graduate Certificate Programme in Geoinformatics.

SB 41.33(ii).1 The Chairperson requested Dr. Meenal Mishra to briefly explain the salient features of the programmes. The members approved the Phase I form for the Post Graduate Certificate Programme in Geoinformatics.

SB 41.33(iii) To consider and approve the "Policy for Repeat Examination and Improvement of Results for M.Sc. Chemistry (On Campus Full time Programme)" and the "Guidelines for the minimum compulsory attendance requirement of 75% for the students of Face to Face Programmes" as received from the Registrar (SED).

SB 41.33(iii).1 The School Board considered the agenda and suggested that this would involve all disciplines offering face to face programmes therefore, a policy should be prepared for the on- Campus students at University level.

SB 41.33 (iv) To consider and approve the report of the entrance test held on 14th November, 2010 for non- M.Phil candidates in mathematics for admission to the course work.

SB 41.33(iv).1 Thirty one candidates were invited for the entrance test, of which only 14 came for the test. None of the candidates cleared the test. The members considered and approved the report details for forwarding to the Research Council (see as Annexure-2).

SB 41.33 (v): To consider and approve the recommendations of the selection committee held on 15th November, 2010 for NET/GATE/more than 5 years experience and post M.Phil candidates in Mathematics.

SB 41.33(v).1 Five candidates appeared for the selection committee out of which one M. Phil candidate presented her research proposal, but was not selected. The other 4 candidates were interviewed for their research interest and ability in Mathematics,

and from those only 2 candidates Mrs Nidhi and Mrs Y V Sitamani were recommended for admission subject to clearing all course work of 32 credits.

SB 41.33(vi).2 The members considered and approved the recommendation of selection committee for forwarding to the Research Council. The report is enclosed as Annexure-3.

SB 41.33 (vi) To consider and approve the report on the seminar given by the research scholar Ms. Arti Kaushik before the Doctoral Committee on 15th November, 2010.

SB 41.33(vi).1 The members considered the report and the candidate is advised to follow the recommendations of the Doctoral committee and give a full report after 6 months. The Board recommended that the report may be forwarded to the Research Unit for communication to the candidate.

SB 41.33 (vii) To consider and approve the Phase-1 form for the proposed undergraduate Certificate Programme in Applied Statistics.

SB 41.33(vii).1 The School Board considered the Phase 1 form for the Undergraduate Certificate programme in Applied Statistics. The members approved the certificate programme in applied Statistics in principal. However, they were of the opinion that the enclosed draft syllabus was more suitable for a post graduate certificate rather than an undergraduate certificate programme and suggested that the syllabus be looked into again and the programme should be on offer to graduate students with 10+2 Mathematics. The programme should be on offer in English as well as in Hindi. The board recommended that the form be placed in the next School board with suitable modifications.

SB 41.33 (viii) To consider and approve the recommendations of the selection committee for Ph.D. Programme in Mathematics Education held on 15th November, 2010.

SB 41.33(viii).1 Five candidates were invited to present their Ph.D. proposals in Mathematics Education. Only one candidate Mrs Hemlata Maurya appeared and was recommended for admission subject to her clearing the compulsory courses for Ph.D. in Math Education. The report was approved for placing in the Research Council (see as Annexure-4).

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



(Geeta Kaicker)

