

Minutes of the 59th Meeting of the School Board, School of Sciences | 2017

The 59th meeting of the School Board of School of Sciences was held on 5th May, 2017 at 11.00 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, Chairman
2. Prof. Reena Mathur (Retd.), Dept. of Zoology, University of Rajasthan
3. Prof. Ranjit Kishore Mishra, Head, Dept. of Biochemistry, Lucknow University
4. Prof. Gurmeet Singh, Head, Dept. of Chemistry, University of Delhi.
5. Prof. Harjit Singh, Centre for Study in Regional Development (CSR), J.N.U., New Delhi.
6. Prof. Vijayshri, SOS, IGNOU
7. Prof. Geeta Kaicker, SOS, IGNOU
8. Prof. Sunita Malhotra, SOS, IGNOU
9. Prof. Poornima Mital, SOS, IGNOU
10. Prof. Jaswant Sokhi, SOS, IGNOU
11. Prof. S.R. Jha, SOS, IGNOU
12. Prof. Bharat Inder Fozdar, SOS, IGNOU
13. Prof. Javed A. Farooqi, SOS, IGNOU
14. Prof. Amrita Nigam, SOS, IGNOU
15. Prof. Shubha Gokhale, SOS, IGNOU
16. Prof. Lalita S. Kumar, SOS, IGNOU
17. Dr. Sanjiv Kumar, SOS, IGNOU
18. Dr. Bano Saidullah, SOS, IGNOU
19. Dr. Deepika, SOS, IGNOU
20. Dr. Neha Garg, SOS, IGNOU
21. Dr. Maneesha Pandey, SOS, IGNOU
22. Dr. K. Nageswara Rao, SOS, IGNOU

Prof. Rakesh Srivastava, Prof. Kapil Kumar, Prof. Deeksha Kapur, Dr. Nehal A. Farooqi, Dr. Gaurav Singh, and Dr. Omkar Verma 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 58th meeting of the School Board of the School of Sciences held on March 9, 2017 and to note the action taken thereon.

SB 59.1.1 The minutes of the 58th School Board of the School of Sciences held on March 9, 2017 were placed before the Board for confirmation. Action Taken Report on the minutes was also placed before the Committee. The Chairperson assured that the corrected Annexures of the Minutes of the 58th meeting would be circulated at the earliest.

SB 59 1.2 The Chairman brought to the notice of the members, the recording of Item no. 6 of SB 58.6.2, wherein, it was intimated that Prof. Vijayshri would give her dissent note separately to be incorporated with minutes. The minutes were circulated on 20.03.2017 with a request to give comments, if any, by 27.03.2017. No comments were received

from any members up to that date. The minutes were placed for confirmation before the School Board.

Prof. Vijayshri gave her written note of dissent on 05.05.2017 at 10.30 a.m. The copy of the same was circulated to the members of the School Board for record. The Chairperson ruled that the note of dissent would be taken up under the item 'Matters Arising' out of the Minutes.

Members also suggested some corrections in ATR, which were incorporated.

After detailed deliberations, the Minutes of the 58th meeting of the School Board of School of Sciences held on March 9, 2017 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 58th Meeting of the School Board.

Members raised concerns about combination of three subjects to be offered as part of B.Sc under UGC-CBCS. After detailed deliberations on the matter the SB decided that a committee consisting of the following members be constituted to suggest possible combinations of three subjects for B.Sc., resolution of operational issues in conduct of laboratory courses and issues related to student registration:

1. Prof. Geeta Kaicker (Chairperson)
2. Prof. Sunita Malhotra
3. Prof. Poornima Mital
4. Prof. S.R. Jha
5. Prof. Amrita Nigam
6. Dr. Meenal Mishra
7. Dr. Manish Trivedi
8. Dr. Vijay Baraik
9. Dr. Maneesha Pandey

SB 59.2.2 The matter of dissent note submitted by Prof. Vijayshri regarding Item no. 6 of SB 58.6.2 was raised again and it was suggested that her dissent note should be incorporated as part of the Minutes of the 58th meeting of the School Board of School of Sciences. Accordingly the dissent note is placed at Annexure 1.1.

Item No. 3 To consider and confirm the Minutes of the 19th meeting of School Board Standing Committee of School of Sciences held on 1st May, 2017.

SB 59.3.1 The Minutes of the 19th meeting of the Standing Committee of the School Board held on May 1, 2017 were placed before the Board for confirmation.

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SB 59.3.2 The Minutes of the 19th meeting of the Standing Committee of the School Board held on May 1, 2017 were confirmed as such. The confirmed Minutes are placed (without Annexures) at **Annexure - 3**.

Item no. 4. To consider and approve the minutes of meeting of B.Sc Expert Committee of B.Sc (Hons.) Programme of Biochemistry.

SB 59 4.1 The School Board of the School of Sciences in its 54th meeting held on Sept. 3, 2015 had adopted the B.Sc. programme as per Choice Based Credit System (CBCS) of UGC and the approved the Programme Expert Committee for B.Sc. (Hons.) in Biochemistry.

The first meeting of the Programme Expert Committee was held on April, 7, 2016 to finalize the structure, list of courses of B.Sc (Hons.) in Biochemistry and syllabi of seven core courses of the programme. The Minutes of the Expert Committee meeting were duly approved in the School Board in its 56th meeting held on 20th May, 2016. It was decided in the meeting that the structure and syllabi of the remaining courses would be considered in another meeting. Accordingly, a two day Expert Committee meeting was held on Jan. 9-10, 2017 to finalize the structure of remaining core courses (C-8 to C-14), Discipline specific electives (DSEs) and skill enhancement courses (SECs) of B.Sc (Hons) in Biochemistry.

The Minutes of the meeting along with the syllabi of the courses of the programme (**Annexure- 4**) were placed before the School Board of School of the Sciences for approval.

SB 59 4.3 After detailed deliberations, the minutes of the meeting along with the syllabi of the courses of the programme were approved and placed at **Annexure – 4**.

Item No. 5 To consider and approve the Phase-2 form of B.Sc. (Hons.) programme of Biochemistry.

SB 59.5.1 The SB was informed that the Phase-1 form of the B.Sc (Hons) Biochemistry had been approved by the School Board in its 56th Meeting held on 20th May, 2016 and by the APC in its 52nd meeting held on 8th February, 2017 vide agenda item no. 52.6.

SB 59.5.2 The Phase -2 form of the B.Sc (Hons) Biochemistry was placed before the School Board of School of Sciences for approval.

SB 59.5.3 After detailed deliberations, the Phase -2 form of the B.Sc. (Hons.) Biochemistry was approved and is placed at **Anneuxre -5**.

Item No. 6. To consider and approve the list of translators for translating course material of B.Sc (Hon) Programme of Biochemistry.

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SB 59.6.1 The list of translators for translating the courses of the B.Sc (Hons) programme in Biochemistry into Hindi along with their affiliations and detailed CV was placed before the School Board of School of Sciences for approval.

SB 59.6.2 The School Board of the School of Sciences approved the list of translators for translating the course material of B.Sc. (Hons.) Programme of Biochemistry into Hindi, which is placed at **Annexure - 6**.

Item No. 7 To consider and approve the name of Course writers and Editors for the B.Sc (Hons.) Programme of Biochemistry as per UGC-CBCS guidelines.

SB 59.7.1 The School Board of the School of Sciences in its 54th meeting held on Sept. 3, 2015 had adopted the B.Sc. programme as per Choice Based Credit System (CBCS) of UGC. The list of Course writers and Editors for the courses of B.Sc (Hons.) programme was placed before the School Board Standing Committee of School of Sciences for approval.

SB 59.7.2 The School Board of School of Sciences approved the list of Course writers and Editors for the courses of B.Sc. (Hons.) Biochemistry programme, which is placed at **Annexure -7**.

Item No. 8 To consider and approve the Phase 2 Form of M.Phil. Programme in Geography.

SB 59.8.1 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, the Geography Discipline conducted the Programme Expert Committee Meeting on 28th October, 2016 to design programme structure and course structure and syllabi of courses as part of course work for the M. Phil. programme in Geography. Phase 1 of the M.Phil. programme approved by the 57th School Board meeting held on 3rd Nov. 2016 had been placed before the Planning Board held on 08 Feb. 2017 for further approval.

Accordingly, the Phase 2 form of M.Phil. programme in Geography was placed at **Annexure - 8** before the School Board of the School of Sciences for consideration and approval.

SB 59.8.2 After detailed discussion, the School Board approved the Phase 2 Form for the M.Phil Programme in Geography. The same is placed at **Annexure – 8**.

Item No. 9 To consider and approve the Phase 1 form of M.Sc in Geography programme along with the minutes of Expert Committee meeting held on 02.05.2017.

SB 59.9.1 The School Board was informed that due to the limitation of seats in conventional educational system on one hand and complex, diverse and pluralistic reality of our society at other hand, the role and relevance of teaching Masters, level Geography programme through distance education assumes greater importance. A large chunk of aspiring learners or prospective academic scholars remain deprived on account of these

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factors. This programme will offer the opportunity to a large number of aspiring students who are left out and remain deprived due to several factors. It is also expected to widen the academic and professional scope for research endeavors and career prospects for the potential aspirants along with popularization of the Geography subject on a large scale.

SB 59.9.2 The Discipline of Geography has developed the structure of 72 credits and broad syllabi of M.Sc. in Geography Programme. The same was finalized and approved by the Programme Expert Committee, comprising both internal and external members in its meeting held on May 02, 2017.

SB 59.9.3 Accordingly, the minutes of the meeting (Annexure 1), and Phase 1 Form (Annexure 2), for M.Sc. in Geography Programme is placed before the School Board for consideration and approval.

SB 59.9.4 After detailed discussion, the School Board approved the minutes of the meeting along with Phase 1 Form for the M.Sc. Programme in Geography which is placed at **Annexure -9.**

Item No. 10 To consider and approve the additional list of Language Editors for B.Sc. in Geography programme.

SB 59.10.1 The additional list of editors for language editing of all the courses of B.Sc. (Gen) with Geography programme as per the guidelines of UGC-CBCS was placed before the School Board for approval.

SB 59. 10.2 The School Board approved the additional list of language editors for language editing of all courses of B.Sc. (Gen.) with Geography programme as given below:

S.No.	Name & Designation	Address	Phone/Email
1.	Prof. Sumona Bandopadhyay Professor	Department of Geography Calcutta University, Kolkata – 700073	09433015697 sumona_bm@yahoo.co.in
2.	Ms. Swagata Basu Assistant Professor	Head of the Department Department of Geography SSV College, Hapur, Uttar Pradesh – 245101	9810093024 swagbasu@gmail.com
3.	Ms. Sulagna Chattopadhyaya Editor, Geography & You	707, Bhikaji Cama Bhawan, Bhikaji Cama Place, R.K. Puram, New Delhi -110066	9818821206 editor@geographyandyou.com
4.	Dr. Taruna Bansal Assistant Professor	Department of Geography Jamia Millia Islamia, New Delhi – 110025	91-9873073991 tbansal@jmi.ac.in

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Item No.11 To consider and approve the Minutes of the Course Design Committee meeting for the course “Field Survey Methods” for B.Sc. (General) in Geography held on March 3, 2017.

SB 59.11.1 The School Board was informed that a meeting of the Course Design Committee for the Skill Enhancement Course (SEC) “Field Survey Methods” for B.Sc. (General) in Geography under UGC-CBCS Scheme was held on 03-03-2017. The Committee deliberated on the syllabus and finalized the unitized syllabus.

Accordingly, the minutes of the Course Design Committee meeting and the final unitized syllabus were placed before the School Board for consideration and approval.

SB 59.11.2 After detailed deliberation the Minutes of the Course Design Committee meeting and the final unitized syllabus were approved and are placed at **Annexure - 10**.

Item No. 12 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 59.12.1 The School Board approved the additional name of the Hindi Translator Dr. Kumkum Chaturvedi for translation of all the courses of B.Sc. (Gen) with Geology programme as per the guidelines of UGC-CBCS.

Dr. Kumkum Chaturvedi
BH-112, Phase-I,
Pallavpuram, Meerut-250110
Mob. No. +919897110839
Email: kumkum.chaturvedi@rediffmail.com

The School Board also approved Dr. Kumkum Chaturvedi’s name as Hindi Translator for all other Disciplines of School of Sciences.

Item No. 13 To consider and approve the Phase Zero form for restructured course work for Ph.D Programme in Life Sciences.

SB 59.13.1 The School Board was informed that a meeting of the Expert Committee of Life Sciences was held on 06.04.2017 to review the already approved syllabus of the Life Sciences Pre-PhD course in the light of the new UGC Guidelines and recent IGNOU norms with regard to the Ph.D. Programme.

SB 59.13.2 The minutes of the Expert Committee of Life Sciences for restructuring the syllabi of the course work for Ph.D. Life Sciences programme were placed before the School Board for consideration and approval.

SB 59.13.3 After detailed deliberation, the Board approved the Minutes of the Expert Committee of Life Sciences for restructuring and recommended the syllabus of the course work for

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Ph.D. Life Sciences programme along with the Phase-zero form for Ph.D. programme in Life Sciences (**Annexure -11**).

Item No. 14 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 59.14.1 The School Board of School of Sciences was informed that the PGDAST Programme has been on offer since January 2015 cycle. The programme has two lab courses MSTL-001: Basic Statistics Lab and MSTL-002: Industrial Statistics Lab each worth of 2 credits. Like the BCA and MCA Programmes, attending the prescribed number of lab sessions is essential for appearing in the term end lab examination of the PGDAST Programme also. As per IGNOU norms the learners of other programmes who missed their turn in lab counseling sessions can register for repeat or missed labs by paying pro-rata fee of Rs. 400/- per 2 credits lab courses. A similar arrangement of pro rata fee of Rs. 400/- per 2 credits is being proposed for the PGDAST programme. The item was placed before the School Board for consideration and approval.

SB 59.14.2 After the detailed deliberation, the School Board approved the proposal of Pro-rata fee of Rs. 400/- per 2 credits lab courses of PGDAST programme.

Item No. 15 To consider and approve the Phase-0 form of Ph.D. Statistics programme.

SB 59.15.1 The School Board was informed that an Expert Committee meeting of the Ph.D. Statistics programme was held on December 5-6, 2016, to design the syllabus and the evaluation methodology of entrance test and Pre-Ph.D. Courses of Ph.D. Statistics programme as per UGC 2016 regulations.

The Phase-1 form and concept note of the Ph.D. in Statistics programme has already been approved by the 46th School Board held on May 15, 2013 and 21st Research Council held on June 7, 2013. The syllabus and the evaluation methodology of entrance test have been approved by the School Board of School of Sciences in its 58th meeting held on March 9, 2017.

Accordingly, the Phase -0 form for Pre-Ph.D. courses of Statistics Programme and the minutes of the Expert Committee meeting along with the syllabus and evaluation methodology was placed before the School Board for consideration and approval.

SB 59.15.2 The School Board approved the Phase-0 form for Pre- Ph.D Courses of Ph.D. Statistics Programme alongwith the minutes of the Expert Committee meeting and the syllabus and evaluation methodology are placed at **Annexure – 12**.

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.

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SB 59 16.1 The School Board considered and recommended the list of Evaluators, Paper Setters and Moderators for Entrance exam and all the Pre-Ph.D. courses of PHDSTAT programme proposed by Discipline of Statistics and this is placed at **Annexure- 13**.

Item No.17 To consider and approve the list of examiners for the Ph.D. thesis of Rajeev Rattan (En.No. 112247197) on the topic "Isolation and Structural Elucidation of Triterpenic Saponins from Plant Sources" under the joint supervision of Prof. Bharat Inder Fozdar and Dr. Veena Gautam , Govt. College, Dhaliara, Khannan, H.P.

SB 59.17.1 The list of examiners for the Ph.D. thesis of Rajeev Rattan (En.No. 112247197) on the topic "Isolation and Structural Elucidation of Triterpenic Saponins from Plant Sources" under the joint supervision of Prof. Bharat Inder Fozdar and Dr. Veena Gautam , Govt. College, Dhaliara, Khannan, H.P. was placed at before the School Board of School of Sciences for consideration and approval.

Detail of Student:

Name **RAJEEV RATTAN**

Enrolment No. **112247197**

Date of Registration: **19th May. 2011 (Jan 2011 cycle)**

Topic : **Isolation and Structural Elucidation of Triterpenic Saponins from Plant Sources**

Supervisor(s) : **1. Prof. Bharat Inder Fozdar (Internal) and Dr. Veena Gautam, Govt. College, Dhaliara, Kannan, HP (External)**

Date of Pre-Ph.D. thesis submission seminar before Doctoral Committee: **22.03.2017**

Number of Publication: **Three (03)**

1. Triterpenoid saponine from *Clematis graveolens* and evaluation of insecticidal activities. Rajeev Rattan, S.G. Eswara Reddy, Shudh Kirti Dolma, Bharat Inder Fozdar, Veena Gautam, Ritika Sharma and Upendra Sharma, *Natural Product Communication*, Vol 10, No. 0, 1-4 (2016).
2. Preliminary phytochemical screening, antioxidant and antifungal activity of *Lepidagathis cuspidate*. R Rattan, A Kumari, V Gautam, B. I. Fozdar, U Sharma, D Kumar *Int J Drug Dev & Res* 8 (1), 001-003 (2016)
3. Cuspidate A, new anti-fungal triterpenoid saponin from *Lepidagathis cuspidate*. R Rattan, B Inder Fozdar, V Gautam, R Sharma, D Kumar, U Sharma, *Natural product research*, 1-7 (2016)

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SB 59.17.2 The School Board approved the list of examiners and advised that 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. 18 To consider and approve the list of examiners for the Ph.D. thesis of Ms. Remya (Enrol. No. 122878097) on the topic ‘Development of quality control methods for some Ayurvedic oil preparations used in wound healing’ under the joint supervision of Dr. Sanjiv Kumar and Dr. Pradyna J. Prabhu, K.J. Somaiya College, Mumbai.

SB 59.18.1 The list of examiners for the Ph.D. thesis of Ms Remya, (Enrol.No. **122878097** on the topic “**Development of quality control methods for some Ayurvedic oil preparations used in wound healing**” under the joint supervision of Dr. Sanjiv Kumar, Associate Professor in Chemistry, School of Sciences IGNOU and Dr R. T. Sane, Gurn Nanak Institute for Research and Development, Matunga Mumbai. On the demise of Dr. Sane, Dr. Pradyna.J.Prabhu, Associate Professor in Chemistry, K.J.Somaiya College of Science and Commerce, Mumbai was appointed as the external supervisor was placed before the School Board of School of Sciences for consideration and approval.

Detail of the Student:

1. Name : Ms. Remya
2. Enrolment number : **122878097**
3. Date of Registration : **JULY 2012**
4. Topic of research : “**Development of quality control methods for some Ayurvedic oil preparations used in wound healing**”
5. Supervisors : **Dr. Sanjiv Kumar (Internal)**
and
Dr. Pradyna.J.Prabhu, (External)
Associate Professor in Chemistry,
K.J.Somaiya College of Science and Commerce. Mumbai
6. Date of pre-PhD Thesis submission seminar: **16th March 2017**
7. Publications : TWO (02)
 - 1.TLC-MS Identification and HPTLC fingerprinting of Curcumin, Sesamin, Glycyrrhetic acid and Beta sitosterol in wound healing Polyherbal Oil formulations followed by preliminary phytochemical screening and physiochemical analysis, Remya U, Dr. Pradnya J. Prabhu, Sanjeev Kumar and Suresh Patankar, International Journal of Chemistry, Vol. 5 (3 & 4) pp 212 – 222; July - September 2016 & October - December 2016

2. Validation of RP -HPLC method for simultaneous determination of Curcumin, Sesamin and Glycyrrhetic Acid in a wound healing polyherbal oil formulation, Remya U, Pradnya J. Prabhu, Sanjeev Kumar and Suresh Patankar, International Journal of Chemistry, Vol. 5 (3 & 4), pp 264 – 274; July - September 2016 & October - December 2016

SB 59.18.2 The School Board approved the list of examiners and advised that 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 list of examiners for the Ph.D. thesis of Ms. Smily (Enr. No. 127722803) on the topic “Formulation and Assessment of the effectiveness of Fluorescent Powder Compositions in Developing Latent Fingerprints” under the joint supervision of Dr. Sanjiv Kumar and Dr. G.S. Sodhi, S.G.T.B. Khalsa College, University of Delhi, Delhi.

SB 59.19.1 The list of examiners for the Ph.D. thesis of Ms Smily (Enrol.No. 127722803) on the topic “**Formulation and Assessment of the effectiveness of Fluorescent Powder Compositions in Developing Latent Fingerprints**” under the joint supervision of Dr. Sanjiv Kumar, Associate Professor in Chemistry, School of Sciences IGNOU and Dr G.S Sodhi, Associate Professor in Chemistry, S.G.T.B.Khalsa College, University of Delhi, Delhi-110007 was placed before the School Board of School of Sciences for consideration and approval.

Detail of Student:

1. Name : **Ms. Smily**
2. Enrolment number : **127722803**
3. Date of Registration : **JULY 2012 Cycle (Aug. 2012)**
4. Topic of research: “**Formulation and Assessment of the effectiveness of Fluorescent Powder Compositions in Developing Latent Fingerprints**”
5. Supervisors : **Dr. Sanjiv Kumar (Internal) and Dr G.S. Sodhi**
Associate Professor in Chemistry,
S.G.T.B.Khalsa College,
University of Delhi, Delhi-110007 (**External**)
6. Date of pre-PhD Thesis submission seminar: **23rd March 2017**
7. Publications : Three (03)
 1. A Multipurpose Composition Based on Brilliant Blue R for Developing Latent

Fingerprints on Crime Scene Evidence, Sanjiv Kumar, G.S.Sodhi, and Smily Kapoor, Journal of Forensic Investigation, Volume 2, Issue 2, PP 3-5 (2014)

2. Spectroscopic and Photophysical Studies of Fingerprint Dusting Compositions, Smily Kapoor, Gurvinder S. Sodhi and Sanjiv Kumar, Journal of Forensic Investigation, Vol.: 3, Issue: 2, 4 November 2015
3. Visualization of Latent Fingermarks using Rhodamine B: A New Method. Kapoor S, Gurvinder S. Sodhi, Sanjiv K, Int J Forensic Sci Pathol. 3(11), 199-201 (2015)

SB 59.19.2 The School Board approved the list of examiners and advised that 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. 20 To consider and approve the bifurcation of the Life Sciences discipline in Botany and Zoology in light of the UGC-CBCS framework.

SB 59. 20.1 The item was withdrawn by the Life Sciences faculty.

Item No. 21 Table item:

- 1) **To consider and approve the minutes of the meeting held for unitisation of syllabus of the course “Functional Analysis” MMT -006 of the M.Sc. (MACS) Programme.**

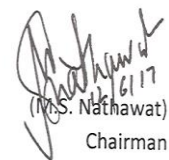
SB 59.21.1 The School Board was informed that the MMT-006 (Functional Analysis) was a core course of the M.Sc. (MACS) programme which is offered in the Second Semester, is currently in the form of a wrap-around package. The course was now being developed as SLM .

A meeting was held on 21st April, 2017 to unitize the syllabus of the course already framed by an Expert Committee and to work out the details of the scope and depth of various topics.

Accordingly, the Minutes of the meeting were placed before the School Board as Table Item for consideration and approval.

The School Board approved the minutes and syllabus, which are placed at **Annexure -14**.

The meeting ended with a vote of thanks to all the members of the School Board for their active participation.


(M.S. Nathawat)
Chairman