

I. K. Gujral Punjab Technical University

Department of Mathematical Sciences

Minutes of the meeting of Board of Studies (BOS) of Mathematics held on July 21, 2023

The meeting of Board of studies of Mathematics was held on 21/07/2023. The following members were present in the meeting

1. 1 Dr. Ashish Arora, Professor, IKGPTU, Amritsar, Chairman (BOS)
2. Dr. Sanjay Kumar Srivastva, Professor, BCET Gurdaspur
3. Dr. Rajesh Narula, Asst. Prof., IKGPTU, Kapurthala
4. Dr. Gurjinder Singh, Asst. Prof., IKGPTU, Kapurthala
5. Dr. Megha Goyal, Bos Coordinator, IKGPTU, Kapurthala
6. Dr. Harpreet Kaur, Asst Prof, IKGPTU, Mohali
7. Dy. Director/ Assistant Director, Department of CR&A, IKGPTU
8. Ms. Rajveer Kaur, Student, B.Sc (Hons.) Mathematics 5th semester, IKGPTU, Kapurthala
9. Ms. Neha, student, M.Sc Mathematics 3rd semester, IKGPTU, Kapurthala

The following recommendations were given by the Board:

- Agenda 1. To finalize the Course content, Course outcomes and Program objectives of M.Sc. (Mathematics) 4th semester for the batch 2022 and onwards.**

The Course content, Course outcomes and Program objectives of M.Sc. (Mathematics) 4th semester for the batch 2022 and onwards have been finalized. The course content is upgraded more than 25%. The revisions in the syllabi of the following subjects have been proposed:

Semester-IV:

- (i) Operations Research, Coding theory, Discrete Mathematics, Advanced Numerical Methods, Advanced Number Theory

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- (ii) The students may opt for either Dissertation with two theory subjects (01 compulsory theory and 01 Elective theory) or 05 theory subjects (01 compulsory theory and 04 Elective theories).

All the proposed syllabus after recommended modifications will be sent to the BoS experts within 10 days for their consent.

The subject Codes of all the subjects have been proposed to be modified as per the following list:

S.No.	Previous Subject Code	Proposed Subject Code
1	UC-MSM-401-18	MSM-401-22
2	UC-MSM-501-18	MSM-501-22
3	UC-MSM-502-18	MSM-502-22
4	UC-MSM-503-18	MSM-503-22
5	UC-MSM-504-18	MSM-504-22
6	UC-MSM-505-18	MSM-505-22
7	UC-MSM-506-18	MSM-506-22
8	UC-MSM-507-18	MSM-507-22
9	UC-MSM-508-18	MSM-508-22
10	UC-MSM-509-18	MSM-509-22
11	UC-MSM-510-18	MSM-510-22
12	UC-MSM-511-18	MSM-511-22
13	UC-MSM-512-18	MSM-512-22
14	UC-MSM-601-18	MSM-601-22

Agenda 2. To frame the Course contents, Course outcomes for the subjects in B.Sc. (Hons) Mathematics 3rd & 4th semester for the batch 2022 and onwards

The scheme of B.Sc. (Hons) Mathematics (CBCS system) for 3rd & 4th semester for the batch 2022 and onwards have been suggested to be revised as per UGC model curriculum. The revised scheme is attached. The course contents, course outcomes for the subjects in B.Sc. (Hons) Mathematics - 3rd & 4th semester for the batch 2022 and onwards have been proposed to be reframed.

The course content is upgraded more than 25%. The revisions in the syllabi of the following subjects have been proposed:

- (i) All the proposed syllabi after recommended modifications will be sent to the BoS experts within 10 days for their consent.

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- (ii) In order to frame the content of 3rd sem in a systematic manner, the subject named Multivariate Calculus (proposed in 5th sem in UGC model curriculum) will be taught in 3rd sem and the subject named PDE and systems of ODE (proposed in 3rd sem in UGC model curriculum) will be taught in 5th sem.

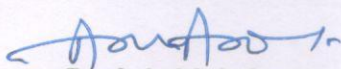
Agenda 3. To revise the Course content of Pre PhD course work in Mathematics for Batch 2023 and onwards

The Experts have recommended to revise the course contents, course outcomes for the subjects offered in Pre PhD Course work in Mathematics for the batch 2023 and onwards. All the proposed syllabi after recommended modifications will be sent to the BoS experts within 10 days for their consent.

Agenda 4. To include an audit course on Vedic Mathematics in 5th sem of B.Sc. (Hons) Mathematics for the batch 2022 and onwards

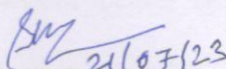
The Board members recommended that an audit course of Vedic Mathematics is to be introduced in the 5th sem of B.Sc. (Hons) Mathematics for the batch 2022 and onwards.

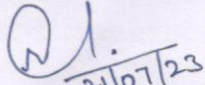
The meeting ended with the vote of thanks.

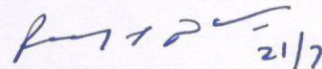

Prof. Ashish Arora

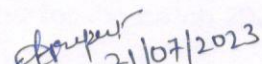
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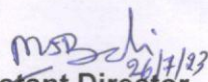

Dr. Gurjinder Singh

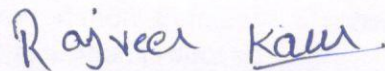

Prof. S. K. Srivastva

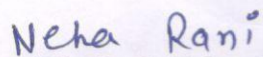

Dr. Megha Goyal


Dr. Rajesh Narula


Dr. Harpreet Kaur


Dy. Director/Assistant Director


Ms. Rajveer Kaur (Student B.Sc. 5th Sem)


Ms. Neha (Student, M.Sc. 3rd Sem)

I. K. Gujral Punjab Technical University

Department of Mathematics

Ref. No. IKGPTU/DM/16075

Date: 20/3

Minutes of the meeting of Board of Studies (BOS) of Mathematics held on March 20, 2024

The meeting of Board of studies of Mathematics was held on 20/03/2024. The following members were present in the meeting

1. Dr. Ashish Arora, Professor, Department of Mathematics, Chairman (BOS)
2. Dr. Amritbir Singh, Professor, BBSBEC, Fatehgarh Sahib
3. Dr. Honey Sharma, Professor, Gulzar Group of Institution, Khanna
4. Dr. Jaskaran Singh Bhullar, Professor, Malout Inst of Engg. & Technology, Malout
5. Dr. Ruchi Handa, Associate Professor, Khalsa College of Engineering & Technology, Amritsar
6. Dr. Manish Gogna, Associate Professor, BBSB Engineering College, Fatehgarh Sahib
7. Dr. Manpreet Kaur, Associate Professor, CGC Landran
8. Dr. Kulwinder Singh Parmar, Assistant Professor, IKGPTU, Hoshiarpur Campus
9. Dr. Rajesh Narula, Assistant Professor, IKGPTU, Kapurthala
10. Dr. Gurjinder Singh, BoS Coordinator, Assistant Professor, IKGPTU, Kapurthala
11. Dr. Vinay Kanwar, Professor, Panjab University, Chandigarh
12. Dr. Manoranjan Mishra, Professor, IIT, Ropar
13. Dr. Ravi Kant Mishra, Professor, SLIET, Longowal

The following recommendations were given by the Board:

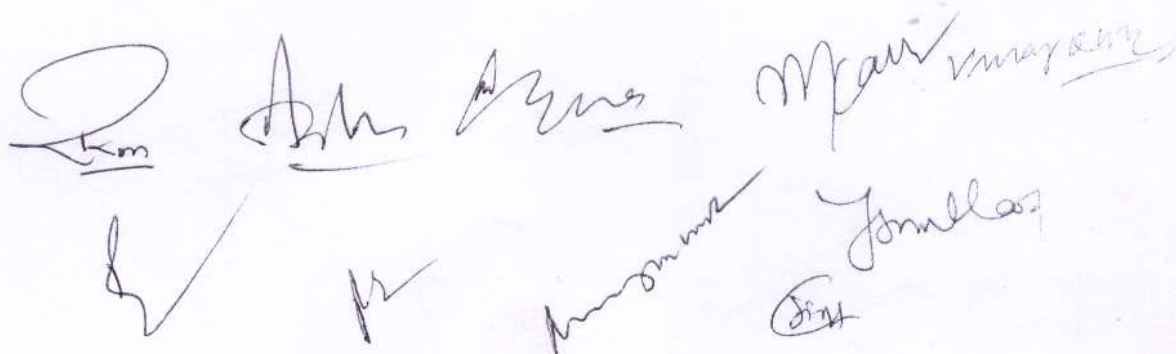
Agenda of the meeting of Board of Studies (BOS) in Mathematics (UG, PG & Ph.D.) to be held on March 20, 2024

The following items ^{were} proposed to be discussed in the meeting of Board of Studies of Mathematics (UG, PG & Ph.D.) to be held on March 20, 2024.

Agenda 1. To confirm the minutes of meeting of the last BOS.

Recommendation: The minutes of meeting of the last BOS are confirmed.

Agenda 2. To Prepare the syllabi of 5th & 6th semesters of B.Sc. (Hons.) in Mathematics for the batches 2022 & onwards. Also to include the subject Environmental Science in the 5th sem. of B.Sc. (Hons.) in Mathematics.



Recommendation:

The Board has given its recommendations regarding the syllabi of 5th and 6th sem. B.Sc. (Hons.) in Mathematics for the batches 2022 onwards. All the updates as recommended by the Board will be incorporated in the syllabi of 5th and 6th sem. B.Sc. (Hons.) in Mathematics and will be circulated among the board members within 20 days through email for their consent.

Agenda 3. To prepare the syllabi of value-added courses for B.Sc. (Hons.) in Mathematics.

The Board has given its recommendations regarding the syllabi of value added courses which shall be formulated as per the directions of the Board and will be circulated among the members for consent through e-mail within 20 days.

Agenda 4. To prepare and finalize the syllabi of core (discipline specified/Subject related theory paper) subjects for Pre Ph.D. course work in Mathematics as per the Ph.D. Regulations, 2022 notified by the University.

Recommendation: As per the Ph.D. regulations 2022 notified by the University, there is a 14 credits Pre Ph.D. Course Work which is reproduced here

Sr. No.	Nature of Course	Name of Course	Credits	L	T	P
1.	Mandatory	Research Methodology	4	3	1	-
2.	Mandatory	Research Publication Ethics	2	2	-	-
3.	Core (discipline specified)	Subject Related Theory Paper	4	3	1	-
4.	Interdisciplinary	Seminar*	4	-	-	-
Total			14	08	02	-

* The evaluation of seminar will be based on the submission of project report on the topic of research or relevant area followed by the evaluation through presentation.

As per the Ph.D. regulations 2022, the Board has given its recommendations regarding the list and syllabi of Core (Discipline Specified/Subject related theory paper). All the updates as recommended by the Board will be incorporated and will be circulated among the board members within 20 days through email for their consent.



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Agenda 5. To confirm the implementation of M.Sc. (Mathematics) 2022 onwards scheme for the Main Campus and affiliated colleges/institutes of IKGPTU.

Recommendation: The Board noted the issue that the scheme of M.Sc. Mathematics, 2022 is implemented only in the main campus of the university but not in its affiliated colleges/institutes. Therefore, it is strongly recommended that the scheme of M.Sc. Mathematics, 2022 must be implemented for the batches 2024 & onwards in the main campus and affiliated colleges/institutes of the University.

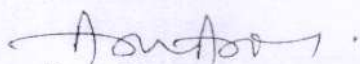
Agenda 6. To Prepare the syllabus of the mathematics related subjects in B.Tech. 3rd semester onwards.

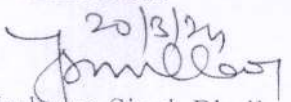
The Board has given its recommendations regarding the syllabi of mathematics related subjects which shall be formulated as per the directions of the Board and will be circulated among the members for consent through e-mail within 20 days.


Agenda 7. To discuss and give guidance regarding the eligibility of a candidate for the case received from Dean Academic Office/Director Technical Education and Industrial Training.

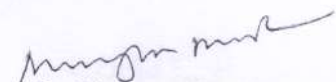
Recommendation: The Board has recommended that it is not under the purview of BoS Mathematics.

The meeting ended with the vote of thanks.

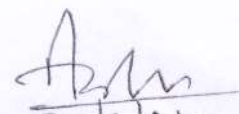

Dr. Ashish Arora

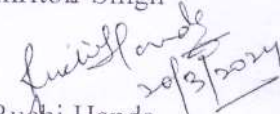
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Dr. Jaskaran Singh Bhullar


Dr. Manpreet Kaur

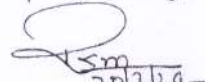

Dr. Manoranjan Mishra

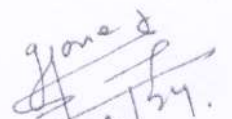

Dr. Gurjinder Singh

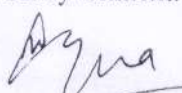

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Dr. Amritbir Singh

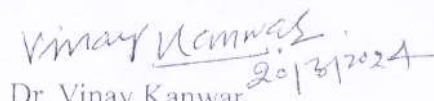

20/3/2024
Dr. Ruchi Handa

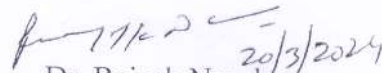

20/3/24
Dr. Kulwinder Singh Parmar


20/3/24
Dr. Ravi Kant Mishra


20/03/24
Dr. Honey Sharma


20/03/24
Dr. Manish Gogna


20/3/2024
Dr. Vinay Kanwar


20/3/2024
Dr. Rajesh Narula