

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.

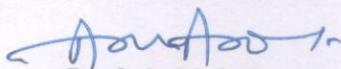
Agenda 3. To revise the Course content of Pre PhD course work in Mathematics for Batch 2023 and onwards

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

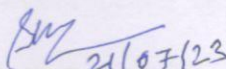
The Board members recommended that an audit course of Vedic Mathematics is to be introduced in the 5th sem of B.Sc. (Hons) Mathematics for the batch 2022 and onwards.

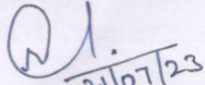
The meeting ended with the vote of thanks.

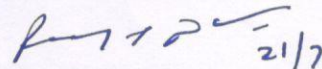

Prof. Ashish Arora

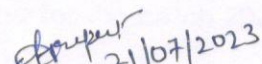
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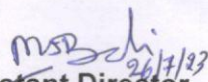

Dr. Gurjinder Singh

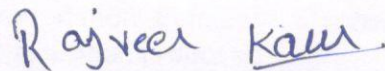

Prof. S. K. Srivastva

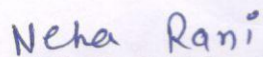

Dr. Megha Goyal


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)