St. Mira's College for Girls, Pune
(Autonomous - Affiliated to Savitribai Phule Pune University)

Department of Computer Science

Board of Studies - Minutes of the Meeting

<u>Revised Syllabus for F.Y.M.Sc. (2023-2026)</u>

A meeting of the Board of Studies of the Department of **Computer Science**, St. Mira's College for Girls, Pune was held on **15th July, 2023.**

The Agenda of the meeting was to:

1. Discuss the new syllabus of Computer Science for the F.Y.M.Sc Semester I and II –
   Design and Analysis of Algorithms, Paradigm of Programming Languages, Database Technologies, Computer science practical- design and analysis of algorithms, Computer Science practical-mobile Technologies, Computer Science practical-Mongo DB and SCALA, Advanced Artificial Intelligence, Web Services, Research Methodology.
   Advanced Operating System, Mobile Technologies, Software Project Management, Computer science practical - Advanced Operating System, Cloud Computing, Dot Net Programming, On Job Training.
2. Discuss the outcomes of the syllabus.
3. Discuss the internal assessments pattern.
4. Approve the syllabus.

The Minutes of the Meeting are:

1. Ms Alka Kalhapure Started the meeting with the introduction of credit structure proposed for Master's program approved by university to BOS members for the academic years 2023-26. The proposed credit structure was shared with everyone for the clarity of credits and courses offered for the syllabus framing.
2. Ms Alka Kalhapure read the contents of first paper – Design and Analysis of Algorithms followed by following subjects of semester I by respective teachers.
   Paradigm of programming languages- Ms Ashwini Kulkarni – Ms Reena Bharati suggested to include concurrency introduction in syllabus of Paradigm of programming languages.
   Database Technologies – Ms Shubhangi Jagtap. It was suggested by BOS members to include presentations by students self-learning.
   Computer Science Practical I – Ms Smita Borkar

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Computer Science Practical II - Ms Shubhangi Jagtap
The credits and number of lectures were also discussed along with reading of the syllabus.

3. As per new credit structure proposed 4 credits are discussed for Major Elective subject in the form (2T+2T) – 4 credits. The syllabus for the same was discussed by Ms Swati Pulate and Ms Ashwini Kulkarni for the subjects – Advanced Artificial Intelligence and Web Services. For the Artificial Intelligence subject for internal evaluation some algorithm assignments can be kept as suggested by Ms Reena Bharati.

4. According to new credit structure 4 crdits are also assigned for subject Research Methodology which was presented by Ms Anjali Kale.

5. Ms Swati Pulate started with semester II with the discussion of contents and credits along with number of lectures with first paper of second semester – Advanced Operating System.

6. following subjects of semester II were discussed by respective teachers.
Mobile Technologies- Ms Shubhangi Jagtap. BOS Member suggested to keep introduction to PhoneGap and IOS in first unit.
Software Project Management – Ms Smita Borkar. Its was suggested to include quality standards under Project Management for internal evaluation in the form of assignments.
Computer Science Practical I – Ms Smita Borkar. Ms Reena Bharati suggested to add virtualization demonstration in practical for students to expose the concept of cloud computing.
Computer Science Practical II - Ms Alka Kalhapure

7. As per new credit structure proposed 4 credits are discussed for Major Elective subject in the form (2T+2T) – 4 credits. The syllabus for the same was discussed by Ms Ashwini Kulkarni and Ms Alka Kalhapure for the subjects – Cloud Computing and Dot Net Programming.

8. 4 credits in the second semester of MSc course is also assigned for On Job Training which was also discussed for which students have to complete summer projects for 120 hours and evaluation will be done before the start of semester 3.

9. Suggestions:

Following decisions were taken by the BOS Members -
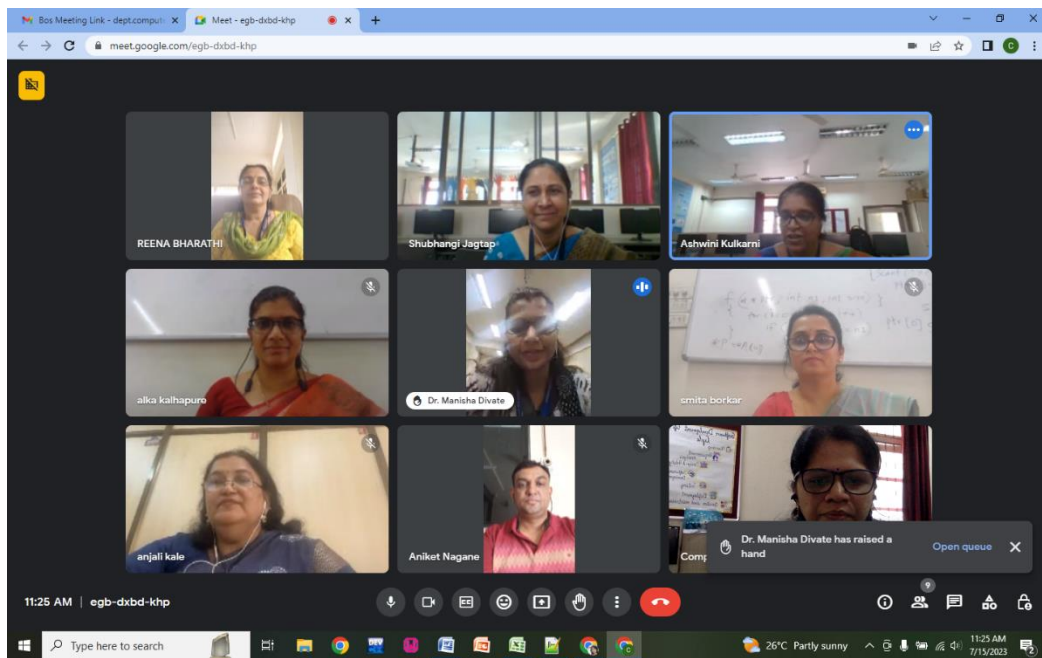<mark>Semester: I   Course Type: Major   Course Title:</mark> Design and Analysis of Algorithms, Paradigm of Programming Languages, Database Technologies, Advanced Artificial Intelligence, Web Services, Research Methodology, *Computer Science practical-Mongo DB and SCALA*

<mark>Semester: II   Course Type: Major   Course Title:</mark> Advanced Operating System, Mobile Technologies, Software Project Management, Computer science practical- design and analysis of algorithms, Computer science practical - Advanced Operating System, Cloud Computing, Dot Net Programming, On Job Training, *Computer Science practical-mobile Technologies*.
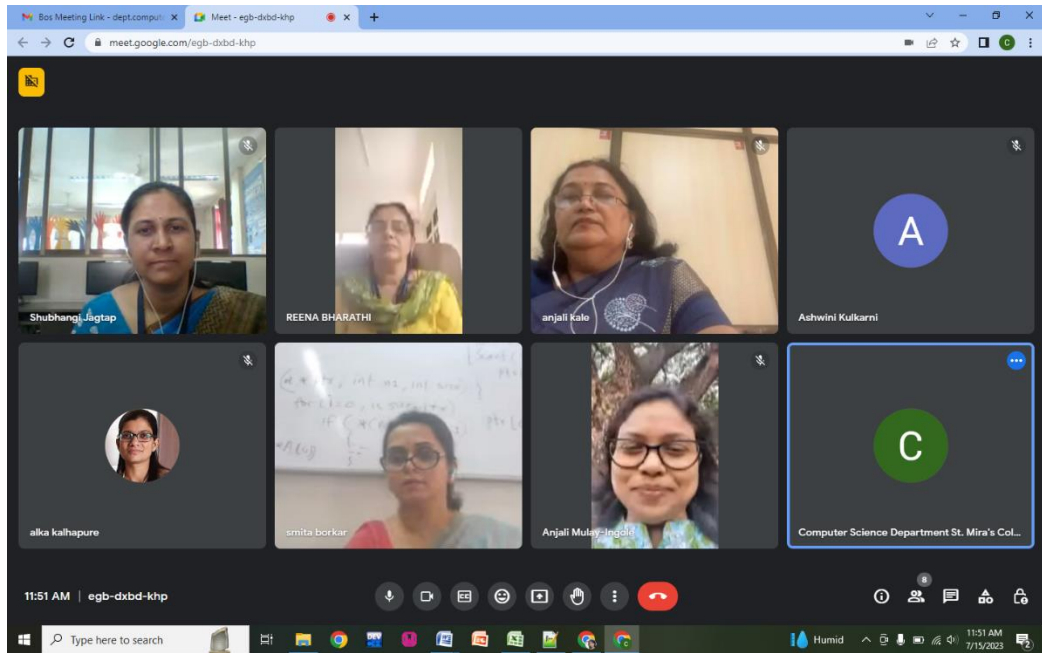
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1. The syllabus of major subject computer science papers for semester 1 and 2 has been approved by all BOS members.
2. The syllabus of major elective subject of computer science paper for semester 1 and 2 has been approved by all BOS members.
3. The syllabus of subject Research Methodology paper has been approved by all BOS members.
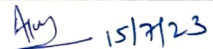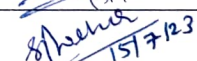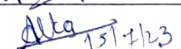

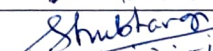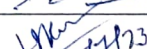Prof. Dr. Jaya Rajagopalan
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DEPARTMENT: Computer Science
LETTER FOR APPROVAL OF SYLLABUS

We, the Member, Board of Studies-_**Computer Science**, St. Mira's College For Girls, (Autonomous) Pune have examined and
approved the syllabus framed for the **F.Y.M.Sc Semester I and II –Major, Major Elective ,RM,OJT Design and Analysis of Algorithms, Paradigm of Programming Languages, Database Technologies, Computer science practical- design and analysis of algorithms, Computer science practical-MongoDB and SCALA, Advanced Operating System, Mobile Technologies, Software Project Management, Computer science practical - Advanced Operating System, Computer science practical -Mobile Technologies, Advanced Artificial Intelligence, Web Services, Cloud Computing, Dot Net Programming, Research Methodology ,On Job Training**
For implementing under the autonomy status for the next three academic years 2023-2026 in a meeting held on 15/07/2023. The approved syllabus bears my signature with the date on the original document of **36** pages in total.

Sr. No.	BoS	Composition	Name, Designation, Place of Work	Signature
1	Head of the Department	Chairperson	Ms. Ashwini Kulkarni- Assistant Professor St. Mira's College for Girls, Pune	15/7/23
2	Faculty	Member	Ms Swati Pulate - Assistant Professsor St. Mira's College fo Girls, Pune	15/7/23
3	Faculty	Member	Ms Smita Borkar - Assistant Professsor St. Mira's College fo Girls, Pune	15/7/23
4	Faculty	Member	Ms Alka Kalhapure - Assistant Professsor St. Mira's College fo Girls, Pune	15/7/23
5	Faculty	Member	Ms Shubhangi Jagtap - Assistant Professsor St. Mira's College fo Girls, Pune	15/7/23
6	Faculty	Member	Ms Anjali Kale - Assistant Professsor St. Mira's College fo Girls, Pune	15/7/23
7	Faculty from other than Parent University	Subject Expert	Dr. Aniket Nagane Assistant Professor	15/7/23

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8	Faculty from other than Parent University	Subject Expert	MIT ACSC Alandi Pune	
			Dr. Manisha Divate Professor Usha Pravin Gandhi College, Mumbai	*Divate 15/07*
9	One Expert-Nominated by VC, SPPU	Expert	Dr. Reena Bharathi Assistant Professor N Wadia College Pune	*15/7/23*
10	One Industry Representative	Industry Expert	Ms. Anjali Ingole Managing principal Consultant Oracle Finance Services Software Ltd	*A.Ingole 15/7/23*
11	One Alumni	Member	Miss Pooja Pandey Software Developer Accenture, Pune	*15-7-23*

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Principal Incharge