Anekant Education Society's

Tuljaram Chaturchand College
of Arts, Science and Commerce, Baramati

(Autonomous)

DEPARTMENT OF COMPUTER SCIENCE

(Faculty of Science and Technology)

Minutes of Board of Studies Meeting No. 9

Date of Meeting: 08/06/2023

Venue: Department of Computer Science

June, 2023

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Anekant Education Society's

Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati

(Autonomous)

Department of Computer Science

AGENDA OF THE MEETING

The agenda of the meeting included the following subjects:
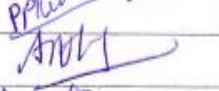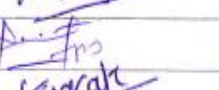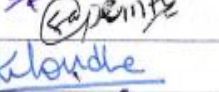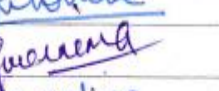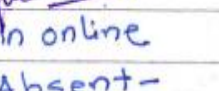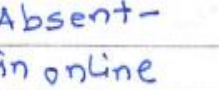
1. To confirm the minutes of the previous meeting held on 10 April 2023.

2. To design and approve course and credit structure for the B.Sc. and M. Sc. Programme in accordance with (NEP 2020) 2023 pattern.

3. To prepare and approve curriculum of F.Y.B.Sc. Semester-I (2023 pattern) to be implemented from the academic year 2023-2024.

4. To prepare and approve curriculum of M.Sc.-I Semester-I (2023 pattern) to be implemented from the academic year 2023-2024.

5. To introduce MOOC Certificate courses from SWAYAM platform for the S.Y.B.Sc and T.Y.B.Sc as per 2022 pattern

6. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.

7. Any other issue with the permission of the chair.

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Department of Computer Science AES's T. C. College of ASC, Baramati, (Autonomous)

Anekant Education Society's
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Department of Computer Science

Board of Studies Meeting Attendance   Date: 08/06/2023

Sr. No.	Name of the Member	Signature
1	Mr. Upendra Choudhari	
2	Dr. Vilas Kardile	— DL —
3	Mr. Abhijeet Mankar	
4	Mr. Vishal Shaha	
5	Mr. Rahul Shah	
6	Mrs. Prajakta Kulkarni	
7	Mrs. Asmita Bhagat	
8	Mr. Purushottam Dixit	
9	Mr. Shashikant Nakate	
10	Mr. Swapnil Chemate	
11	Ms. Kalyani Londhe	
12	Mrs. Poornima Swami	
13	Dr. Ms. Kavita Khobragade (SPPU Representative)	Join online
14	Dr. Sudhakar Bhoite (Shivaji University Representative)	—Absent—
15	Dr. Suhas Satonkar (SRTU Representative)	Join online
16	Mr. Rohit Shah (Representative from Industry)	Join online
17	Mr. Yogesh More (Alumni Representative)	—Absent—
18	Mr. Abhijit Chopade (PG Student Representative)	—Absent—
19	Miss. Rutuja Harihar (PG Student Representative)	—Absent—
20	Mr. Prajwal Nimbalkar (UG Student Representative)	—Absent—
21	Miss. Akshada Kulkarni (UG Student Representative)	Join online

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Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati
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Board of Studies Meeting

Absentee Report   Date: 08/06/2023

Sr. No.	Name of the Member	Role
1.	Dr. Vilas Kardile (DL)	Member
2.	Dr. Sudhakar Bhoite	Member(Expert from Shivaji University, Kolhapur)
3.	Mr. Yogesh More	Member(Meritorious Alumni)
4.	Mr. Abhijeet Chopade	PG Student Representative
5.	Miss. Rutuja Harihar	PG Student Representative
6.	Mr. Prajwal Nimbalkar	UG Student Representative

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MINUTES OF THE MEETING

As per the notice no 53, dated 29/05/2023 issued by the college, the meeting of Board of Studies in Computer Science was successfully held on 08th June 2023 at 11:30 am in the Department of Computer Science, T. C. College, Baramati. The meeting took place both online and offline, adhering to the guidelines and protocols set by the college under the guidance of Mr. Upendra D. Choudhari, Chairman of the Board of Studies in Computer Science, the meeting commenced with a warm welcome to all the esteemed members, followed by a brief introduction of the meeting's objectives.

All the members congratulated Dr. Kardile V.V. for nominated as BOS Member in Computer Science, SPPU, Pune by Vice Chancellor, SPPU, Pune and Dr. S.C. Nakate, for awarding a Ph.D. in Commerce at JJTU, Rajasthan.

During the meeting, fruitful discussions were held on the items mentioned in the circulated agenda. We are pleased to inform you that the following resolutions were made during the BOS meeting.

1. To confirm the minutes of the previous BOS meeting held on 10th April 2023.

Mr. Upendra D. Choudhari read the minutes of the previous BOS meeting held on 10th April 2023 and put forward to the BOS members for the approval.

Resolution No. 1: The minutes of the previous Board of Studies meeting were approved and confirmed.

2. To design and approve course and credit structure for the B.Sc. and M. Sc. Programme in accordance with (NEP 2020) 2023 pattern.

The BOS has discussed the course structure of the F.Y.B.Sc.(Computer Science) & M.Sc. (Computer Science) Part – I as per the NEP 2020 credit structure guidelines. Taking into consideration the valuable suggestion provided by the BOS members, necessary modification was made to the course structure. After careful consideration and thorough discussion, the final course structure has been determined, ensuring compliance with NEP 2020.

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After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BOS meeting.

F.Y.B.Sc.(Computer Science) Credit Structure –(with effect from June 2023)

Credit Distribution Structure for F.YB.Sc.(Computer Science)-2023-2024

Level	SEM	Major		Minor	GE/OE	VSC, SEC (VSEC)	AEC, VEC, IKS	OJT, FP, CEP, CC, RP	Cum. Cr./ Sem.	Degree/ Cum. Cr.
		Mandatory	Electives							
4.5	I	COS-101-MJM: Basic Programming using C COS-102-MJM:DBMS-I COS-103-MJM:Computer Science Practical – I Credits-2+2+2	--	--	COS-116-OEInternet Awareness (TH) COS-117-OE:Introduction to MS-Office (PR) Credit- 2+2	COS-126-SEC(ST): Introduction to Statistical Software OR (PR) COS-126-SEC(MT) Mathematics for Computer Science OR COS-126-SEC(EL) Electronics Pract.-I COS-121-VSC:(TH) Problem Solving Skills & DBMS Using PostgreSQL Credit- 2+2	ENG-131-AEC:FunctionalE nglish – I COS-137-IKS:Evolution of Computer COS-135-VEC: Environmental Science Credit- 2+2+2	CC: NSS/NCC/Yoga/ Cultural Activity/Sports Credit- 2	22	UG Certificate 44
	II	COS-151-MJM:: Advanced Programming Using C COS-152-MJM: DBMS-II COS-153-MJM: Computer Science Practical – II Credits-2+2+2		COS-161-MN(ST):: Exploratory Data Analysis-I OR COS-161-MN(EL):: Fundamentals of Electronics OR COS-161-MN(MT):Discrete Mathematics Credits-2	COS-166-OEAdvanced MS-Excel COS-167-OE E-Banking Credit- 2+2	COS-176-SEC: Basic Graphics Design using C COS-171-VSC: Database Applications using PL/pgSQL Credit- 2+2	ENG-181-AEC: Functional English – II COS-185-VEC: Digital and Technological Solutions Credit- 2+2	CC: NSS/NCC/Yoga/ Cultural Activity/Sports Credit- 2	22	
	Cum Cr.	12	-	2	8	8	10	4	44	

Exit option: Award of UG Certificate in Major with 44 credits and an additional 4 credits core NSQF course/ Internship OR Continue with Major and Minor

* 1 Credit = 15 hr.

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M.Sc.(Computer Science) Credit Structure –(with effect from June 2023)

Year	Level	Sem.	Major		Research Methodology (RM)	OJT/ FP	RP	Cum. Cr.
			Mandatory	Electives				
I	6.0	Sem-I	COS-501-MJM: Principles of Programming Language (Credit 04) COS-502-MJM: Cryptography and Cyber Forensics (Credit 04) COS-503-MJM: Database Technologies (PR) (Credit 02) COS-504-MJM: DotNet (Basic) (PR) (Credit 02)	COS-511-MJE(A): Design and Analysis of Algorithms (Credit04)	COS-521-RM: Research Methodology in Computer Science (Credit 04)	--	--	20
		Sem- II	COS-551-MJM: Digital Image Processing (Credit 04) COS-552-MJM: Data Mining and Data Warehousing (Credit 04) COS-553-MJM: Python Programming-I (Basic) (PR) (Credit 02) COS-554-MJM: Dot Net (Advanced) (PR) (Credit 02)	COS-561-MJE (A): Artificial Intelligence (Credit04) * 1 Credit = 15 Hr.	--	COS-581-OJT/FP Credit 04	--	20
	Cum. Cr.		24	8	4	4	--	40

Resolution No. 2: The curriculum course structure for F.Y.B.Sc.(Computer Science) & M.Sc. (Computer Science) Part – I as per the NEP 2020 credit structure has been unanimously approved by all members of the BOS.

3. **To prepare and approve curriculum of F.Y.B.Sc. Semester-I (2023 pattern) to be implemented from the academic year 2023-2024.**

     The board carefully designed and deliberated upon the curriculum of First Year B.Sc. (Computer Science) (Semester-I) aligning it with the guidelines with the National Education Policy (NEP) 2020 for implementation in the academic year 2023-2024. During the discussion certain modification were suggested by the board members, Dr.

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Kavita Khobragade madam suggested to separate the references and e-resources for each course. She also suggested to add the decomposition component of DBMS into USCSMT112 DBMS-I. Mr. Rohit Shah & Dr. Suhas Satonkar proposed to include the computer programming introduction in UCSVSCP1-Problem Solving Skills & DBMS Using Postgre/SQL paper.

The board thoroughly discussed and finalized the syllabus for the following courses of First Year B.Sc. (Computer Science) (Semester-I) :

Course Structure for F.Y.B.Sc.(Computer Science) (2023 Pattern)

Sem.	Course Type	Course Code	Title of Course	Course Types	No. of Credits
I	Major Mandatory	COS-101-MJM	Basic Programming using C	Theory	2
	Major Mandatory	COS-102-MJM	DBMS-I	Theory	2
	Major Mandatory	COS-103-MJM	Computer Science Practical – I	Practical	2
	Open Elective (OE)	COS-116-OE	Internet Awareness	Theory	2
	Open Elective (OE)	COS-117-OE	Introduction to MS-Office	Practical	2
	Skill Enhancement Course (SEC) (Any one)	COS-126-SEC(ST) COS-126-SEC(MT) COS-126-SEC(EL)	Introduction to Statistical Software Mathematics for Computer Science Electronics	Practical	2
	Vocational Skill Course (VSC)	COS-121-VSC	Problem Solving Skills & DBMS Using PostgreSQL	Theory	2
	Ability Enhancement Course (AEC)	ENG-131-AEC	Functional English - I	Theory	2
	Value Education Course (VEC)	COS-135-VEC	Environmental Science	Theory	2
	Indian Knowledge System (IKS)	COS-137-IKS	Evolution of Computers	Theory	2
	Co-curricular Course (CC)	---------	To be selected from the Basket	------	2
	Total Credits I:				**22**

Resolution No. 3: The curriculum for First Year B.Sc. (Computer Science) (Semester-I) (2023 pattern) has been unanimously approved by all members of the BOS.

4. To prepare and approve curriculum of M.Sc.-I Semester-I (2023 pattern) to be implemented from the academic year 2023-2024.

The board carefully designed and deliberated upon the curriculum of M.Sc. (Computer Science) (Part–I) Sem- I (2023 Pattern) aligning it with the guidelines with the National Education Policy (NEP) 2020 for implementation in the academic year 2023-2024. During

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the discussion certain modification were suggested by the board members, Dr. Kavita Khobragade madam suggested to separate the references and e-resources for each course.

The board thoroughly discussed and finalized the syllabus for the following courses of M.Sc. (Computer Science) (Semester-I):

Course Structure for M.Sc.(Computer Science)-I Semester –I (2023 Pattern)

Sem	Course Type	Course Code	Title of Course	Theory / Pract.	No. of Credits
I	Major (Mandatory)	COS-501-MJM	Principles of Programming Language	Theory	4
		COS-502-MJM	Cryptography and Cyber Forensics	Theory	4
		COS-503-MJM	Database Technologies	Practical	2
		COS-504-MJM	DotNet (Basic)	Practical	2
	Major (Elective)	COS-511-MJE(A)	Design and Analysis of Algorithms	Theory	4
	RM	COS-521-RM	Research Methodology in Computer Science	Theory	4
			Total Credits:		20

Finally, it was agreed that revised curriculum would be submitted to the Academic Council of the college for approval.

Resolution No. 4: The curriculum for M.Sc. (Computer Science) (Part–I) Sem- I (2023 Pattern) has been unanimously approved by all members of the BOS.

5. **To introduce MOOC Certificate courses from SWAYAM platform for the S.Y.B.Sc and T.Y.B.Sc as per 2022 pattern**

   According to the guidelines provided by the IQAC of the college, the BOS conducted a comprehensive review and identified following MOOC courses from the SWYAM platform related to the subject of computer science. Detailed discussion were held on each of the identified MOOC courses, considering their applicability and usefulness to the students of B.Sc. (Computer Science) & M.Sc. (Computer Science).

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Course Title	National Coordinator	Course Coordinator
C Programming and Assembly	NPTEL, IIT Madras	Prof. Janakiraman
Database Management System	NPTEL, IIT Kharagpur	Prof. Partha Pratim Das, Prof. Samiran Chattopadhyay
. Problem Solving Through Programming In C	NPTEL, IIT Kharagpur	Prof. Anupam Basu
Computer Graphics	NPTEL, IIT Guwahati,	Prof. Samit Bhattacharya
Programming in Java	NPTEL,IIT Kharagpur	Prof. Debasis Samanta

*Resolution No. 5:*The curriculum of Certificate for the S.Y.B.Sc and T.Y.B.Sc as per 2022 pattern program has been unanimously approved by all members of the BOS.

6. **To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.**

The Chairman initiated the discussion by highlighting the importance of incorporating feedback from both Alumni and current students in the syllabus design process. The department created a curriculum feedback form and distributed it to students, teachers, parents, alumni, and employers. Subsequently, the stakeholders filled out the feedback forms. It was noted that their insights and suggestions would greatly contribute to creating a curriculum that aligns with the needs and expectations of the students. Therefore, the BOS members reviewed the feedback and suggestions given by the alumni and students and incorporated the relevant suggestions into the curriculum of F.Y.B.Sc.(Comp.Sci.) and M.Sc.(Comp.Sci.).

*Resolution No. 6:*Considered and Approved

7. **Any other issue with the permission of the chair:**

The following agenda items were added as additional items to the Board of Studies (BOS) meeting.

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7 (i) To consider the feedback and suggestions provided by the alumni and students of UG , PG classes while designing the syllabus of B.Sc. (Computer Science) & M.Sc. (Computer Science).

*Resolution No. 7 (i):*Considered and Approved

The student feedback was collected and appropriate suggestions were incorporated in the syllabus. The meeting of BOS concluded with the vote of thanks by Mr. Abhijeet Mankar.

Mr. Upendra D. Choudhari
Chairman
Board of Studies Computer Science

IQAC Coordinator
Coordinator
Internal Quality Assurance Cell
Tuljaram Chaturchand College of
Arts,Science and Commerce,
Baramati (Pune)-413102

Principal
Principal
Tuljaram Chaturchand College
Baramati

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Department of Computer Science AES's T. C. College of ASC, Baramati, (Autonomous)

Photos of Meeting 08.06.2023

Introduction and Welcome of Meeting

Presentation of F.Y.B.Sc. Papers

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Presentation of F.Y.B.Sc. Papers

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