



Anekant Education Society's

**Tuljaram Chaturchand College
of Arts, Science, Commerce, Baramati
(Autonomous)**

DEPARTMENT OF ELECTRONICS

(Faculty of Science and Technology)

Minutes of Board of Studies Meeting No.5

Date of Meeting: 09/04/2022

Venue: Department of Electronics

April, 2022

Anekant Education Society's
Tuljaram Chaturchand College of Arts, Science and Commerce,
Baramati
(Autonomous)

Department of Electronics

NOTICE

Date – 04/04/2022

Board of studies meeting

All members of Board of Studies in Electronics are hereby informed that as per the Notice No. 403 dated 31/03/2022 issued by the college, our BOS meeting is organized on 9th April, 2022 at 11.00 am at the Department of Electronics. As esteemed members of the board, your presence and input during the meeting would be greatly appreciated.

The Agenda for the meeting is as shown

1. To confirm the minutes of the previous meeting held on 8th December, 2021.
2. To design and approve course and credit structure for the B.Sc. and M. Sc. programme in accordance with 2022 pattern.
3. To prepare and approve curriculum of F. Y. B. Sc. Semester I (2022 pattern) to be implemented from the academic year 2023-2024.
4. To prepare and approve curriculum of F. Y. B. Sc. (Comp. Sci.) Semester I (2022 pattern) to be implemented from the academic year 2023-2024.
5. To prepare and approve curriculum of M.Sc.-I Semester I (2022 pattern) to be implemented from the academic year 2023-2024.
6. To prepare and approve curriculum of certificate courses for UG and PG programmes as per 2022 pattern.
7. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
8. Any other issue with the permission of the chair.



Chairman

Board of Studies


Principal

**Tuljaram Chaturchand College of Arts, Science and Commerce,
Baramati
(Autonomous)**

Department of Electronics

AGENDA OF THE MEETING

The agenda of the meeting included the following subjects:

1. To confirm the minutes of the previous meeting held on 8th December, 2021.
2. To design and approve course and credit structure for the B.Sc. and M. Sc. programme in accordance with 2022 pattern.
3. To prepare and approve curriculum of F. Y. B. Sc. Semester I (2022 pattern) to be implemented from the academic year 2023-2024.
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5. To prepare and approve curriculum of M.Sc.-I Semester I (2022 pattern) to be implemented from the academic year 2023-2024.
6. To prepare and approve curriculum of certificate courses for UG and PG programmes as per 2022 pattern.
7. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
8. Any other issue with the permission of the chair.

List of Members Presented for the BOS Meeting

The following internal and external BOS members were attended the Board of Studies (Electronics) meeting through online/offline mode held on 9th April, 2022.

Sr. No.	Name of Member	Designation
1.	Prof. Dr. Deshpande Jagdish D. Head & Associate Professor, Department of Electronics, T. C. College of Arts, Science and Commerce, Baramati.	Chairman
2.	Prof. Yelpale V.T. Associate Professor, Department of Electronics , T. C. College of Arts, Science and Commerce, Baramati.	Internal Member
3.	Prof. Gawade S.H. Associate Professor, Department of Electronics , T. C. College of Arts, Science and Commerce, Baramati	Internal Member
4.	Dr. Pawar Aparna M. Assistant Professor, Department of Electronics , T. C. College of Arts, Science and Commerce, Baramati.	Internal Member
5.	Ass. Prof. Rupanawar Priya D. Assistant Professor, Department of Electronics , T. C. College of Arts, Science and Commerce, Baramati.	Internal Member
6.	Dr. Kothawale A.S. Assistant Professor, Department of Electronics , T. C. College of Arts, Science and Commerce, Baramati.	Internal Member
7.	Dr. Patil S. N. Assistant Professor, Department of Electronics , T. C. College of Arts, Science and Commerce, Baramati.	Internal Member
8.	Ass. Prof. Gawade S.A. Assistant Professor, Department of Electronics , T. C. College of Arts, Science and Commerce, Baramati.	Internal Member
9.	Dr. Sadistap Shashikant CSIR – SEERI, Pilani Rajasthan.	External Member from other University
10.	Prof. Dr. Kumbhar S.R. Head and Professor, Department of Electronics , Willingdon College, Sangali.	External Member from other University
11.	Ass. Prof. Shaikh Mudassar Assistant Professor, Department of Electronics , New Arts, Commerce and Science College, Ahmednagar.	External Member from other University
12.	Mr. Sharad Patil Senior Engineer, Whirlpool of India LTD., Pune	Industry Expert
13.	Ass. Prof. Yogita Salunkhe Assistant Professor, YCIS, Satara.	Meritorious Alumni
14.	MR. MAHAMUNI MAYUR GANESH	UG Student
15.	MS. RAUT SHRUTI RAJU	UG Student
16.	MS. AGAWANE PRAGATI PRAKASHI	PG Student

MINUTES OF THE MEETING

As per the Notice no. 403, dated 31/03/2022, issued by the college, the meeting of Board of Studies in Electronics was successfully held on 09th April, 2022 at 11:00 am in the Department of Electronics, T. C. College of Arts, Science and Commerce, Baramati. (Autonomous). The meeting took place both online and offline, adhering to the guidelines and protocols set by the college under the guidance of Prof Dr. Jagdish D. Deshpande, Chairman of the Board of Studies in Electronics, the meeting commenced with a warm welcome to all the esteemed members, followed by a brief introduction of the meeting's objectives.

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 BOS meeting held on 8th December, 2021.

Prof. Dr. Jagdish D. Deshpande read the minutes of the BOS meeting held on 8th December, 2021 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 2022 pattern.

The Board of Studies (BOS) members meticulously designed and crafted the curriculum for Semester I of the F.Y. B. Sc., F. Y. B. Sc. (Comp. Sci.), M.Sc. I program well in advance of the BOS meeting. This preliminary draft was then shared with all BOS members for their input and suggestions to enhance its quality. During the meeting, Dr. A. M. Pawar presented the curriculum on a course-by-course basis, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the curriculum. Dr. Kumbhar S.R. and Dr. Sadistap Shashikant specifically recommended maintaining consistency in the sub-points of all chapters.

In light of the constructive suggestions offered by the BOS members, the curriculum structure underwent necessary revisions. After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BOS meeting.

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
F.Y. B.Sc.	2022	II	USEL121	Semiconductor Devices & Circuits	Theory	02
			USEL122	Digital Electronic Circuits	Theory	02
			USEL123	Electronics Practical	Practical	02
S.Y. B.Sc.	2022	I	USEL231	Linear Integrated Circuits and Applications	Theory	3
			USEL232	Digital Circuit Design	Theory	3
			USEL233	Electronic Practical's	Practical	3
S.Y. B.Sc.	2022	II	USEL241	Fundamentals of Instrumentation system	Theory	3
			USEL242	Communication Electronics	Theory	3
			USEL243	Practical Course	Practical	3
F.Y.B.Sc.(Comp. Sci.)	2022	II	UCSEL121	Semiconductor Devices & Circuits	Theory	2
			UCSEL122	Digital Electronic Circuits	Theory	2
			UCSEL123	Electronic Practical's	Practical	2
S.Y.B.Sc.(Comp. Sci.)	2022	I	UCSEL231	8051 Architecture and Programming	Theory	3
			UCSEL232	Instrumentation Systems	Theory	3
			UCSEL233	Electronic Practical's	Practical	2
S.Y.B.Sc.(Comp. Sci.)	2022	II	UCSEL241	Advance Embedded System	Theory	3
			UCSEL242	Advance Communication and IoT	Theory	3
			UCSEL243	Practical Course	Practical	3
M.Sc. I	2022	II	PSEL121	Electromagnetics, Microwaves and Antennas	Theory	04
			PSEL122	Instrumentation and Measurement Techniques	Theory	04
			PSEL123	Embedded System Design with PIC microcontroller	Theory	04
			PSEL124	Foundation of Semiconductor Devices	Theory	04
			PSEL125	Electronics Science Practical Course III	Practical	04
			PSEL126	Electronics Science Practical Course IV	Practical	04
M.Sc. II	2022	III	PSEL231	Advanced Communication Electronics	Theory	04
			PSEL232	Advanced Embedded Systems	Theory	04
			PSEL233	Digital Signal Processing	Theory	04
			PSEL234	Programmable Logic Controllers and Supervisory Control & Data Acquisition	Theory	04
			PSEL235	Practical Course -V	Practical	04
			PSEL236	Practical Course -VI	Practical	04

M.Sc. II	2022	IV	PSEL241	Control System	Theory	04
			PSEL242	Advanced Power Electronics	Theory	04
			PSEL243	Fundamentals of Artificial Intelligence	Theory	04
			PSEL244	Wireless Sensor Network	Theory	04
			PSEL245	Practical Course – Project	Practical	04

Resolution No. 2: The course and credit structure for the B.Sc. and M. Sc. programme in accordance with 2022 pattern is designed and approved.

3. To prepare and approve curriculum of F. Y. B. Sc. Semester I (2022 pattern) to be implemented from the academic year 2022-23.

The Board of Studies (BOS) members meticulously designed and crafted the curriculum for F. Y. B. Sc. Semester I (2022 pattern) program well in advance of the BOS meeting. This preliminary draft was then shared with all BOS members for their input and suggestions to enhance its quality. During the meeting, Dr. Pawar A. M. presented the curriculum on a course-by-course basis, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the curriculum. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus for the courses of F. Y. B. Sc., Semester-I.

In light of the constructive suggestions offered by the BOS members, the curriculum structure underwent necessary revisions. After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BOS meeting.

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
F. Y. B. Sc.	2022	I	USEL111	Basic Electronics and Network Theorems	Theory	02
			USEL112	Fundamentals of Digital Electronics	Theory	02
			USEL113	Electronics Practicals	Practical	02

Resolution No. 3: The curriculum for F. Y. B. Sc. Semester I (2022 pattern) has been unanimously approved by all members of the BOS.

4. To prepare and approve curriculum of F. Y. B. Sc. (Comp. Sci.) Semester I(2022 pattern) to be implemented from the academic year 2022-23.

The Board of Studies (BOS) members meticulously designed and crafted the curriculum for F. Y. B. Sc. (Comp. Sci.) Semester I (2022 pattern) program well in advance

of the BOS meeting. This preliminary draft was then shared with all BOS members for their input and suggestions to enhance its quality. During the meeting, Ass. Prof. Rupanawar P.D. presented the curriculum on a course-by-course basis, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the curriculum. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus for the courses of F. Y. B. Sc. (Comp. Sci.), Semester-I.

In light of the constructive suggestions offered by the BOS members, the curriculum structure underwent necessary revisions. After thorough deliberation and careful consideration, the curriculum of following courses was presented for approval during the BOS meeting.

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
F. Y. B. Sc. (Comp. Sci.)	2022	I	UCSEL111	Basic Electronics and Network Theorems	Theory	02
			UCSEL112	Fundamentals of Digital Electronics	Theory	02
			UCSEL123	Electronics Practicals	Practical	02

Resolution No. 4: The curriculum for F. Y. B. Sc. (Comp. Sci.) Semester I (2022 pattern) has been unanimously approved by all members of the BOS.

5. To prepare and approve curriculum of M.Sc.-I Semester I (2022 pattern) to be implemented from the academic year 2022-23.

The Board of Studies (BOS) members meticulously designed and crafted the curriculum for M. Sc. Semester I (2022 pattern) program well in advance of the BOS meeting. This preliminary draft was then shared with all BOS members for their input and suggestions to enhance its quality. During the meeting, Dr. Patil S.N. and Dr. Kothawale A.S. presented the curriculum on a course-by-course basis, and the recommendations and valuable insights provided by the BOS members were thoughtfully incorporated into the curriculum. During the discussion, some minor changes were suggested by the board members. The board thoroughly discussed and finalized the syllabus for the courses of M. Sc. Semester-I.

In light of the constructive suggestions offered by the BOS members, the curriculum structure underwent necessary revisions. After thorough deliberation and careful

consideration, the curriculum of following courses was presented for approval during the BOS meeting.

Class	Pattern	Semester	Course Code	Course Title	Course Type	No. of Credits
M.Sc.-I	2022	I	PEL411	Mathematical Methods in Electronics and Network Analysis	Theory	04
			PEL412	Integrated Circuit Analysis	Theory	04
			PEL413	Digital System Design using Verilog	Theory	04
			PEL414	Advanced 'C' & JAVA Programming	Theory	04
			PEL415	Electronic Science Practical Course I	Theory	04
			PEL416	Electronic Science Practical Course II	Practical	04

Resolution No. 5: The curriculum for M.Sc.-I Semester I (2022 pattern) has been unanimously approved by all members of the BOS.

6. To prepare and approve curriculum of certificate courses for UG and PG programmes as per 2022 pattern.

Sr. No.	Name of the Course	No. of Credit
1.	PCB and Circuit Designing	02
2.	Arduino System	02
3.	Instrumentation	02
4.	IoT Based Embedded System Design	02

Resolution No. 6 : The curriculum Certificate Courses (2022 pattern) has been unanimously approved by all members of the BOS.

7. 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., F. Y. B. Sc. (Comp. Sci.) and M.Sc. I Electronics.

Resolution No. 7

Considered and Approved.

The meeting of BOS concluded with vote of thanks by Prof. S.H. Gawade.



**Chairman
Board of Studies**



**IQAC
Coordinator
Coordinator**

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



Principal

