



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

DEPARTMENT OF PHYSICS
(Faculty of Science)

Minutes of Board of Studies Meeting

Date of Meeting: 19/06/2024

Venue: Department of Physics

June, 2024

Anekant Education Society's
Tuljaram Chaturchand College, Baramati
Department of Physics

NOTICE

Date: 18/06/2024


Board of Studies Meeting

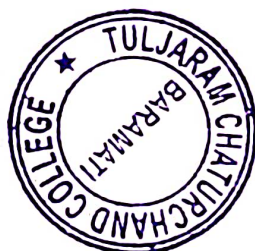
All members of the Board of Studies in Physics are hereby informed that, as per Notice No. 105 dated 18/06/2024 issued by the college, the online/offline meeting of BOS in Physics is organized on 19th June 2024 at 04.00 pm. in the Department of Physics. As esteemed members of the board, your presence and input during the meeting would be greatly appreciated.

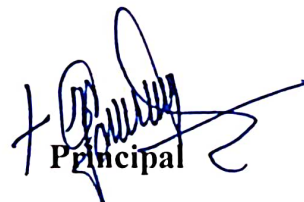
The agenda for the meeting is as follows:

1. To confirm the minutes of the previous meeting held on 15th March 2024.
2. To design and approve course and credit structure for the B.Sc degree programme in Physics in accordance with NEP-2.0 (2024 pattern as per NEP-2020).
3. To prepare and approve curriculum of F.Y.B.Sc, Semester-I and II (2024 NEP pattern) to be implemented from the academic year 2024-2025.
4. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
5. Any other issues with the permission of the chair.

Therefore, I kindly request you to attend the aforementioned meeting and invite you to provide your valuable inputs for designing the curriculum of F.Y.B.Sc in accordance with the NEP 2020 guidelines.


Chairman
BOS in Physics




Principal

Anekant Education Society's
Tuljaram Chaturchand College, Baramati
(Autonomous)

Department of Physics



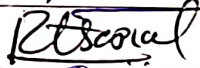

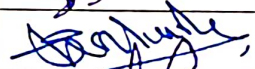
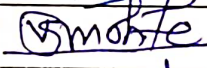
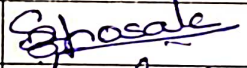
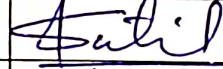
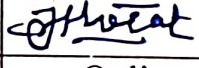
AGENDA OF THE MEETING

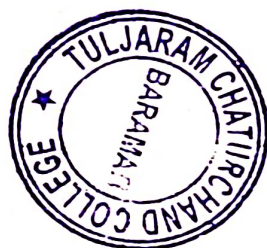
The agenda of the meeting included the following subjects:

1. To confirm the minutes of the previous meeting held on 15th March 2024.
2. To design and approve course and credit structure for the B.Sc degree programme in Physics in accordance with NEP-2.0 (2024 pattern as per NEP-2020).
3. To prepare and approve curriculum of F.Y.B.Sc, Semester-I and II (2024 NEP pattern) to be implemented from the academic year 2024-2025.
4. To discuss and incorporate the relevant feedbacks of the stakeholders (students, teachers, parents, alumni and employers) in the curriculum.
5. Any other issues with the permission of the chair.

List of Members Present for the BOS Meeting

The following internal and external BOS members attended the Board of Studies (Physics) meeting held on 19th June 2024, through online/offline mode.

Sr. No.	Name	Designation	Signature
1	Prof.Dr.A.E.Kalange	Vice-Principal, Chairman, BOS	
2	Prof.Dr.S.S.Veer	Member, Expert from SPPU, Pune	Online
3	Prof.Dr.K.Y.Rajpure	Member, Expert from Shivaji University, Kolhapur	Online
4	Prof.Dr.K.R.Priolkar	Member, Expert from Goa University	Online
5	Mr.Subhash Zambare	Representative from Industry	Online
6	Dr.Swapnil Nardekar	Alumni & Research Scholar at Jehu National University, South Korea	Online
7	Dr. R.D.Kale	Member	
8	Dr. R.T.Sapkal	Member	
9	Dr. S.B.Kulkarni	Member	
10	Mr.S.B.Kakade	Member	
11	Dr. V.S.Mohite	Member	
12	Mrs.S.E.Bhosale	Member	
13	Mr.S.S.Mhaske	Member	
14	Mr.S.M.Thorat	Member	
15	Dnyeshwari Phadtare	Student Representative	Online
16	Dhanshree Hole	Student Representative	Online



MINUTES OF THE MEETING

As per the Notice No. 105 dated 18/06/2024 issued by the college, the meeting of Board of Studies in Physics was successfully held on 19th June, 2024 at 04:00 pm in the Department of Physics, T. C. College, Baramati. The meeting took place in both online and offline mode, adhering to the guidelines and protocols set by the college. The meeting was held under the Guidance of Prof.Dr.A.E.Kalange, Chairman of the Board of Studies in Physics, 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 15th March, 2024.

Prof.Dr.A.E.Kalange read the minutes of the BOS meeting held on 15th March 2024 and put forward to the BOS members for the approval.

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

2. To design and approve course and credit structure for the B.Sc. degree programme in Physics in accordance with NEP-2.0 (2024 pattern as per NEP-2020).

The Board of Studies (BOS) members meticulously discussed the new course and credit structure for the B.Sc. degree program in Physics. They took into consideration the Government of Maharashtra circular dated March 13, 2024, which introduced three major courses in the first year, and the Circular of SPPU, Pune dated May 2, 2024, regarding credit distribution structures for science. After thorough discussion, the following credit distribution structure was finalized.

Resolution No. 2: The credit distribution structure for B.Sc. degree programme in Physics (2024 pattern) has been unanimously approved by all members of the BOS.

**Credit Distribution Structure for Three/Four Year Honours/Honours with Research Degree Programme
With Multiple Entry and Exit options as per National Education Policy (2024 Pattern as per NEP-2020)**

Level/ Difficulty	Sem	Subject DSC-1	Subject DSC-2	Subject DSC-3	GE/OE	SEC	IKS	AEC	VEC	CC	Total			
4.5/100	I	2(T)+2(P)	2(T)+2(P)	2(T)+ 2(P)	2(T)	2 (T/P)	2(T) (Generic)	2(T)	2(T)	--	22			
	II	2(T)+2(P)	2(T)+2(P)	2(T)+2(P)	2(P)	2 (T/P)	--	2(T)	2(T)	2(T)	22			
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 Continue option: Student will select one subject among the (subject 1, subject 2 and subject 3) as major and other as minor and third subject will be dropped.														
Level/ Difficulty	Sem	Credits Related to Major				Minor	--	GE/OE	SEC	IKS	AEC	VEC	CC	Total
		Major Core	Major Elective	VSC	FP/OJT/CE P/RP									
5.0/200	III	4(T)+2(P)	--	2 (T/P)	2(FP)	2(T)+2(P)	--	2(T)	--	2(T)	--	2(T)	22	
	IV	4(T)+2(P)	--	2 (T/P)	2(CEP)	2(T)+2(P)	--	2(P)	2 (T/P)	--	2(T)	--	2(T)	22
Exit option: Award of UG Diploma in Major and Minor with 88 credits and an additional 4credits core NSQF course/Internship OR Continue with Major and Minor														
5.5/300	V	8(T)+4(P)	2(T)+2(P)	2 (T/P)	2(FP/CEP)	2(T)	--	--	--	--	--	--	22	
	VI	8(T)+4(P)	2(T)+2(P)	2 (T/P)	4 (OJT)	--	--	--	--	--	--	--	22	
Total 3Years		44	8	8	10	18	8	8	6	4	8	4	6	132
Exit option: Award of UG Degree in Major with 132 credits OR Continue with Major and Minor														
6.0/400	VII	6(T)+4(P)	2(T)+2 (T/P)	--	4(RP)	4(RM)(T)	--	--	--	--	--	--	22	
	VIII	6(T)+4(P)	2(T)+2 (T/P)	--	6(RP)	--	--	--	--	--	--	--	22	
Total 4Years		64	16	8	22	22	8	8	6	4	8	4	6	176
Four Year UG Honours with Research Degree in Major and Minor with 176 credits														
6.0/400	VII	10(T)+4(P)	2(T)+2 (T/P)	--	--	4(RM) (T)	--	--	--	--	--	--	22	
	VIII	10(T)+4(P)	2(T)+2 (T/P)	--	4 (OJT)	--	--	--	--	--	--	--	22	
Total 4Years		72	16	8	14	22	8	8	6	4	8	4	6	176
Four Year UG Honours Degree in Major and Minor with 176 credits														
T = Theory P = Practical DSC = Discipline Specific Course OE = Open Elective SEC = Skill Enhancement Course IKS = Indian Knowledge System AEC = Ability Enhancement Course VEC = Value Education Course CC = Co-curricular Course VSC= Vocational Skill Course OJT= On Job Training CEP= Community Engagement Project FP= Field Project RP= Research Project														

3. To prepare and approve curriculum of F.Y.B.Sc, Semester-I and II (2024 NEP pattern) to be implemented from the academic year 2024-2025.

The Board of Studies (BOS) members meticulously designed and crafted the curriculum for Semester-I and II of the F.Y.B.Sc 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.R.D.Kale 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. 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	Sem	Course Code	Course Title	Course Type	No. of Credits
F.Y.B.Sc	2024	I	PHY-101-GEN	Mechanics & Properties of Matter	Theory	02
F.Y.B.Sc	2024	I	PHY-102-GEN	Physics Practical –I	Practical	02
F.Y.B.Sc	2024	I	PHY-103-OE	Indian Astronomy-I	Theory	02
F.Y.B.Sc	2024	I	PHY-104-SEC	Applications of Internet of Things-I	Practical	02
F.Y.B.Sc	2024	II	PHY-151-GEN	Heat & Thermodynamics	Theory	02
F.Y.B.Sc	2024	II	PHY-152-GEN	Physics Practical –II	Practical	02
F.Y.B.Sc	2024	II	PHY-153-OE	Indian Astronomy-II	Practical	02
F.Y.B.Sc	2024	II	PHY-154-SEC	Applications of Internet of Things-II	Practical	02

Resolution No. 3: The curriculum for FYBSc, Semester-I and II (2024 pattern) has been unanimously approved by all members of the BOS.

4. 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. Physics

Resolution No. 4: Considered and Approved

5. Any other issues with the permission of the chair.

There were no other issues to discuss, so the BOS meeting concluded with a vote of thanks by Dr. S.B.Kulkari



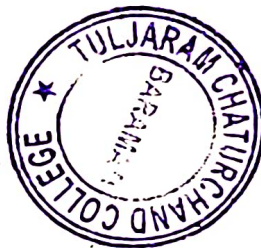
**Chairman
Board of Studies**



**IQAC
Coordinator**



Principal



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