

Minutes of the Board of Studies Meeting

To be implemented from
2023-2024 onwards

Venue : A1

Convened on 03-04-2023 at 2 PM

Members Present :-

1. Dr. A. Sheela Vimala Rani Head of the Dept
A. Sheela Vimala Rani
University Nominee
2. Dr. K. Anitha
Asst. Professor & Head of
Department of Physics
Madurai Kamaraj University
Madurai - 625 021
Anitha
03/04/23
3. Dr. K. Marimuthu Subject Expert
Asst. Professor
Department of Physics
Grandhigram Rural Institute
- Deemed University
Grandhigram
Marimuthu
03/04/2023
4. Dr. M. Umadevi Subject Expert
Associate Professor & Head
Department of Physics
Mother Teresa Women's University
Atturampatti, Kodaikanal
[Absent]

5. Mr. A. Kesavan
CEO
Quantanics Techserve Pvt Ltd.
Madurai
Industrialist.
A. Kesavan
3/4/23
6. Dr. R. Vishnupriya
Asst. Professor
Dept. of Physics
The Madura College
Alumnae
R. Vishnu Priya
3/4/23
7. Dr. Rajeswari
Asst. Professor
Dept. of Chemistry
Fatima College
Dean of Academic Affairs.
Rajm
3/4/23
8. Dr. L. Caroline Sugirtham
Associate Professor
L. Caroline Sugirtham
9. Mrs. R. Alphonsa Fernando
Associate Professor
R. Alphonsa Fernando
10. Dr. M. V. Leena Chandra
Asst. Professor
M. V. Leena Chandra
03/04/2023
11. Dr. I. Veyasheela
Asst. Professor
I. Veyasheela
3/4/23
12. Dr. Ancemna Joseph
Asst. Professor
Ancemna Joseph
3/4/23
13. Dr. M. Ragam
Asst. Professor
M. Ragam

14. Dr. G. Jenita Rani
Asst. Professor f. a. G
3/4/23
15. Dr. R. Jothamani
Asst. Professor R. Jothamani
16. Ms. I. Janet Sherly
Asst. Professor P. J. S. / 03/04/23
17. Ms. T. R. Sofia
Asst. Professor T. R. Sofia
03/04/23
18. Dr. T. Selvi
Asst. Professor T. Selvi
19. Dr. R. Niranjana Devi
Asst. Professor. R. Niranjana

Presentation of the Action Taken Report

Action Taken report for 2022-2023

UG PHYSICS

S.No.	SUGGESTIONS IN THE PREVIOUS BOARD	ACTION TAKEN IN THE ACADEMIC YEAR 2022-2023
1.	A Course on Mathematical Physics can be included as Core Paper	The Course was Introduced for II UG

S.No.	SUGGESTIONS IN THE PREVIOUS BOARD	ACTION TAKEN IN THE ACADEMIC YEAR 2022-23
2.	New course 'Mathematical Methods' can be offered as Elective / Skill based paper.	It will be Carried out in the forth coming year.
3.	Interference can be shifted from Allied Physics I to Allied Physics II to be on par with the practicals.	The change has been Carried out.
4.	The book Principles of Electronics by Mehta can be included for Books for Study.	It has been included.
5.	In the Elective paper 19P6ME1, instead of Timers and Counter, Assemblers & Compilers can be included.	It has been Carried out

PGT PHYSICS

1.	In the 'Nuclear and Particle Physics' course, the book Nuclear Physics Theory and Experiments by Roy and Nigam suggested as Book for Study.	The Suggestion is Carried out.
2.	The title for Certificate Course was suggested as Instrumentation on Electro Chemical techniques	The Suggestion is Carried out.

S.No.	SUGGESTIONS IN THE PREVIOUS BOARD	ACTION TAKEN IN 7 ACADEMIC YEAR 2022
3.	In the 'Applied Electronics' Course, the industrialist suggested that 'Pulse width Modulation' and 'Switching Regulators' can be introduced instead of Registers and counters.	This suggestion is carried out.
4.	In the 'Instrumentation and Microcontroller' it was suggested that programming in 8051 can be reduced and Assemblers & Simulators can be included	

2. Revision of Courses : Nil for UG & PG OBE
3. New Courses introduced : Nil for UG & PG OBE
4. Introduction of purely Skill Embedded certificate/ Diploma / Advanced Diploma Value - Added Course other than value - Added course that is already being offered : Nil for UG & PG OBE
5. Approval of Ph.D Course Work Syllabus :
Course work paper and core paper for Research scholar are as follows
- | | Ph.D Scholar | Course Work Paper | Core Paper |
|----|-----------------|----------------------------------|---------------------------------|
| 1. | T. Sabeetha | 23PHDCWP01
Solid State Ionics | 23PHDCPP02
Materials Science |
| 2. | M. Mehraj Begum | " | " |

6. Rubrics for Internship/ Project (changes needed) : Nil

UG TANSCH

CORE COURSES INTRODUCED PART III

S.No.	Course Code	Course Title with Semester	Relevance to				Scope for			Need for Introduc
			L	R	N	G	Emp	Entke	SD	
<u>Sem I</u>										
1.	CC1	Properties of Matter and Sound				✓	✓		✓	TANSCH
2.	CC2	Digital Electronics				✓	✓	✓		
3.	CC3	Practicals - I				✓	✓	✓	✓	
<u>Sem II</u>										
4.	CC4	Mechanics				✓	✓	✓	✓	
5.	CC5	Heat & Thermo dynamics				✓	✓	✓		
6.	CC6	Practicals - II				✓	✓	✓	✓	

Elective Courses Introduced Part III

S. No.	Generic Discipline Specific	Course code	Course Title	Relevance to				Scope for			Need for Introducion
				L	R	N	G	Emp	Enke	SD	
Sem I											
1.	Generic	EC1	Allied Physics I [for chemistry students]				✓	✓			
Sem II											
2.	Generic	EC2	Allied Physics II [for chemistry students]				✓	✓			TANSCH

Skill Enhancement / Foundation / Ability Enhancement Course (Part A)

S.No.	Course Code	Course Title with Semester	Relevance to				Scope for			
			L	R	N	G	Emp	Ente.	SD	TA
		<u>Sem I</u>								
1.	SFc-I	Physics in Everyday Life				✓				✓
2.	Fc	Introductory Physics				✓				✓ TA
		<u>Sem II</u>								
3.	SFc II	Physics in Everyday Life				✓				✓
4.	SFc III	Physics of Measuring Instruments				✓				✓

DG TANSCHER

CORE COURSES INTRODUCED PART A

S.No.	Course Code	Course Title with Semester	Relevance to				Scope for			
			L	R	N	G	Emp	Ente.	SD	TA
		<u>Sem I</u>								
1.	CC1	Mathematical Physics				✓	✓			✓ TA
2.	CC2	Classical Mechanics				✓	✓			✓
3.	CC3	Practicals I				✓	✓	✓	✓	✓

S.No.	Course Code	Course Title with Semester	Relevance to				Scope for			Need for Inko.
			L	R	N	G	Emp	Entre	SD	
		<u>Sem II</u>								
4.	CC4	Electro Magnetic Theory				✓	✓	✓	✓	
5.	CC5	Quantum Mechanics I				✓	✓		✓	TANSCHE
6.	CC6	Practicals II				✓	✓	✓	✓	

Elective Courses Introduced (Part A)

S. No.	Generic/ Discipline Specific	Course Code	Course Title	Relevance to				Scope for			Need for Inko.
				L	R	N	G	Emp	Entre	SD	
			<u>Sem I</u>								
1.	Discipline Specific	EC1	Linear and Digital Ics & Applications / Medical Physics				✓	✓	✓	✓	TANSCHE
2.	Discipline Specific	EC2	Instrumentation / Bio Physics				✓		✓	✓	

Elective Courses Introduced (Part-A)

S. No.	Generic Discipline Specific	Course Code	Course Title	Relevance to				Scope for			Need for Introd
				L	R	N	G	Emp	Enke	SD	
			<u>Sem II</u>								
3.	Generic	EC3	Digital Photography / Solar Energy Utilization				✓	✓		✓	TANSCHE
4.	Discipline Specific	EC4	Communication Electronics / Micro Processor 8086 & Micro Controller				✓	✓	✓	✓	

Skill Enhancement / Ability Enhancement Course (Part-B)

S. No.	SEC/Aecc with Semester	Course code	Course Title	Relevance to				Scope for			Need for Intro.
				L	R	N	G	Emp	Entre	SD	
<u>Sem I</u>											
1.	SEC Discipline Specific	SEC 1	Numerical Methods & Programming in C++					✓	✓		✓
2.	AECC So	AECC1	Soft Skill - I [By English Dept.] Sem II						✓		✓ TANVISHA
3.	SEC Discipline specific	SEC 2	Physics of NanoScience & Technology					✓			✓
4.	AECC	AECC2	Soft Skill - II [By English Dept.]								✓

Details of Proposed / Signed MoU8 :

No/

Other Suggestions

Commendations

1. In (CC2) Digital Electronics Communication part can be removed as per the TANSHE syllabus
2. In CC1, Properties of Matter In Unit III, Terminal velocity & Stoke's Formula can be added in the Viscosity part.
3. In PG EC1, Linear and Digital Ics, The Reference book Integrated Electronics by Millman Halkias can be included
4. In PG EC2, Instrumentation Unit III has to be revised as per NET syllabus and content on Electric vehicles and PCB design can be included

The Syllabus proposed is more than 90% in accordance with the TANSHE Syllabus and the Board was very much appreciative of this.

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|-----|---------------------------|---------------------------------|
| 1) | Dr. A. Sheela Vimala Rani | A. Sheela Vimala Rani
3/4/23 |
| 2) | Dr. K. Anitha | Anitha
3/4/23 |
| 3) | Dr. K. Marimuthu | Marimuthu 03/04/2023 |
| 4) | Dr. M. Umadevi | Absent |
| 5) | Mr. A. Kesavan | A. Kesavan 3/4/23 |
| 6) | Dr. R. Vishnupriya | R. Vishnupriya
3/4/23 |
| 7) | Dr. Rajeswari | Rajeswari 3/4/23 |
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| 12) | Dr. Anjemma Joseph | Anjemma Joseph |
| 13) | Dr. M. Ragam | M. Ragam 3/4/23 |
| 14) | Dr. G. Jenita Rani | Jenita Rani |
| 15) | Dr. R. Sathimani | R. Sathimani |
| 16) | Dr. P. Janet Sheela | P. Janet Sheela 03/04/2023 |

17) Ms. J.R. Sofia

J.R. Sofia
03/04/23

18) Dr. J. Selve

J.R. Selve

19) Dr. R. Nishanjana Devi

R.N. -

03/04/2023