



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
[DEEMED TO BE UNIVERSITY]

Accredited "A++" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

SCHOOL OF SCIENCE AND HUMANITIES DEPARTMENT OF PHYSICS

Ref: SIST/ PHY/ELECTIVE/2023-24

26th June, 2023

CIRCULAR

SUB: Elective – Course registration for the III Semester UG students of 2022-25 batch- reg.

The students of B.Sc. Physics (III-semester) are informed to select one subject as electives from the given list below. It is suggested that students must take utmost care while selecting the elective which must be based on their interest and give their choice on or before 28th June, 2023. If any student wants to change the course after the registration process, the request has to be sent to the Head of the Department through counselor.

Dr. S. RAVICHANDRAN
Head of the Department

Dr. S. RAVICHANDRAN,
Professor & Head,
Department of Physics
Sathyabama Institute of Science & Technology,
Chennai - 600 119.

Copy to: Dean – S&H

B.Sc. – Class counselor II
year – B.Sc. students
Department file



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LIST OF ELECTIVE- 1 PAPER

Sl. No.	Course type	Course code	Course title
1.	Theory	SPHA3001	Renewable Energy and Energy Harvesting
2.	Theory	SPHA3002	Oscillations and Waves
3.	Theory	SPHA3003	Digital, Analog and Instrumentation
4.	Theory	SPHA3004	Applied Dynamics
5.	Theory	SPHA3005	Medical Physics
6.	Theory	SPHA3006	Condensed Matter Physics
7.	Theory	SPHA3007	Introduction to Nano materials
8.	Theory	SPHA3008	Bio Physics
9.	Theory	SPHA3009	Astronomy and Astrophysics
10.	Theory	SPHA3010	Communication System

Dr. S. RAVICHANDRAN
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SCHOOL OF SCIENCE AND HUMANITIES

DEPARTMENT OF PHYSICS

Ref: SIST/ PHY/ELECTIVE/2023-24

28th June, 2023

CIRCULAR

With reference to the circular dated 26.06.2023, the consolidated list showing the students opted elective courses in the academic year 2023-24.

Sl. No.	Course code	Course title	No. of Students opted
1	SPHA3001	Renewable Energy and Energy Harvesting	
2	SPHA3002	Oscillations and Waves	
3	SPHA3003	Digital, Analog and Instrumentation	
4	SPHA3004	Applied Dynamics	
5	SPHA3005	Medical Physics	
6	SPHA3006	Condensed Matter Physics	
7	SPHA3007	Introduction to Nano materials	
8	SPHA3008	Bio Physics	
9	SPHA3009	Astronomy and Astrophysics	6
10	SPHA3010	Communication System	

Dr. S. RAVICHANDRAN
Head of the Department

Dr. S. RAVICHANDRAN,
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SCHOOL OF SCIENCE AND HUMANITIES

DEPARTMENT OF PHYSICS

LIST OF STUDENTS CHOSSING ELECTIVE: III SEMESTER - ACADEMIC YEAR 2023-2024

ELECTIVE - 1

SPHA3009	Astronomy and Astrophysics
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REGISTER NUMBER	NAME	ELECTIVE - 1
42020001	AKALYA C	C. Akalya.
42020004	DHRUV KUMAR SINGH	Dhr
42020006	SAINITHA S	Sainitha.
42020007	SANJAY C	Sanjay
42020008	SHANMUGAPRIYA M	M. Shanmugapriya
42020009	YUKTHA MUKI J D	Yuktha Muki J D



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SCHOOL OF SCIENCE AND HUMANITIES DEPARTMENT OF PHYSICS

Ref: SIST/ PHY/ELECTIVE/2023-24

22nd January, 2024

CIRCULAR

SUB: Elective – Course registration for the IV Semester UG students of 2022-25 batch- reg.

The students of B.Sc. Physics (IV-semester) are informed to select two subjects as electives from the given list below. It is suggested that students must take utmost care while selecting the elective which must be based on their interest and give their choice on or before 24th January, 2024. If any student wants to change the course after the registration process, the request has to be sent to the Head of the Department through counselor.

Dr. P. Malliga
Head of the Department



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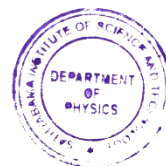
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LIST OF ELECTIVE- 2 & 3 PAPERS

Sl. No.	Course type	Course code	Course title
11.	Theory	SPHA3001	Renewable Energy and Energy Harvesting
12.	Theory	SPHA3002	Oscillations and Waves
13.	Theory	SPHA3003	Digital, Analog and Instrumentation
14.	Theory	SPHA3004	Applied Dynamics
15.	Theory	SPHA3005	Medical Physics
16.	Theory	SPHA3006	Condensed Matter Physics
17.	Theory	SPHA3007	Introduction to Nano materials
18.	Theory	SPHA3008	Bio Physics
19.	Theory	SPHA3009	Astronomy and Astrophysics
20.	Theory	SPHA3010	Communication System

Dr. P. MALLIGA
Head of the Department





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SCHOOL OF SCIENCE AND HUMANITIES

DEPARTMENT OF PHYSICS

Ref: SIST/ PHY/ELECTIVE/2023-24

24th January, 2024

CIRCULAR

With reference to the circular dated 22.01.2024, the consolidated list showing the students opted elective courses in the academic year 2023-24.

Sl. No.	Course code	Course title	No. of Students opted
1	SPHA3001	Renewable Energy and Energy Harvesting	
2	SPHA3002	Oscillations and Waves	6
3	SPHA3003	Digital, Analog and Instrumentation	
4	SPHA3004	Applied Dynamics	
5	SPHA3005	Medical Physics	6
6	SPHA3006	Condensed Matter Physics	
7	SPHA3007	Introduction to Nano materials	
8	SPHA3008	Bio Physics	
9	SPHA3009	Astronomy and Astrophysics	
10	SPHA3010	Communication System	

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SCHOOL OF SCIENCE AND HUMANITIES

DEPARTMENT OF PHYSICS

LIST OF STUDENTS CHOSSING ELECTIVE: IV SEMESTER - ACADEMIC YEAR 2023-2024

ELECTIVE - 2

SPHA3002	Oscillations and Waves
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ELECTIVE - 3

SPHA3005	Medical Physics
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REGISTER NUMBER	NAME	ELECTIVE - 2	ELECTIVE - 3
42020001	AKALYA C	C. Akalya.	C. Akalya.
42020004	DHRUV KUMAR SINGH	Dhr	Dhr
42020006	SAINITHA S	Sainitha.	Sainitha.
42020007	SANJAY C	sanjay	sanjay
42020008	SHANMUGAPRIYA M	M. Shanmugapriya	M. Shanmugapriya
42020009	YUKTHA MUKI J D	Yuktha	Yuktha



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SCHOOL OF SCIENCE AND HUMANITIES DEPARTMENT OF PHYSICS

Ref: SIST/ PHY/ELECTIVE/2023-24

22nd January, 2024

CIRCULAR

SUB: Elective – Course registration for the VI Semester UG students of 2021-24 batch- reg.

The students of B.Sc. Physics (VI-semester) are informed to select two subjects as electives from the given list below. It is suggested that students must take utmost care while selecting the elective which must be based on their interest and give their choice on or before 24th January, 2024. If any student wants to change the course after the registration process, the request has to be sent to the Head of the Department through counselor.

Dr. P. MALLIGA
Head of the Department



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Department file



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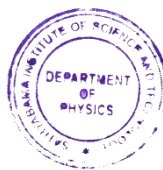
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LIST OF ELECTIVE- 1 PAPERS

Sl. No.	Course type	Course code	Course title
1.	Theory	SPHA3001	Renewable Energy and Energy Harvesting
2.	Theory	SPHA3002	Oscillations and Waves
3.	Theory	SPHA3003	Digital, Analog and Instrumentation
4.	Theory	SPHA3004	Applied Dynamics
5.	Theory	SPHA3005	Medical Physics
6.	Theory	SPHA3006	Condensed Matter Physics
7.	Theory	SPHA3007	Introduction to Nano materials
8.	Theory	SPHA3008	Bio Physics
9.	Theory	SPHA3009	Astronomy and Astrophysics
10.	Theory	SPHA3010	Communication System

Dr. P. MALLIGA
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DEPARTMENT OF PHYSICS

Ref: SIST/ PHY/ELECTIVE/2023-24

24th January, 2024

CIRCULAR

With reference to the circular dated 22.01.2024, the consolidated list showing the students opted elective courses in the academic year 2023-24.

Sl. No.	Course code	Course title	No. of Students opted
1	SPHA3001	Renewable Energy and Energy Harvesting	16
2	SPHA3002	Oscillations and Waves	
3	SPHA3003	Digital, Analog and Instrumentation	
4	SPHA3004	Applied Dynamics	
5	SPHA3005	Medical Physics	
6	SPHA3006	Condensed Matter Physics	
7	SPHA3007	Introduction to Nano materials	16
8	SPHA3008	Bio Physics	
9	SPHA3009	Astronomy and Astrophysics	
10	SPHA3010	Communication System	

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B.Sc. – Class counselor

III year – B.Sc. students

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P. Malliga

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DEPARTMENT OF PHYSICS

LIST OF STUDENTS CHOSSING ELECTIVE: ACADEMIC YEAR 2023-2024

ELECTIVE - 1

SPHA3001	Renewable Energy and Energy Harvesting
----------	--

ELECTIVE - 2

SPHA3007	Introduction to Nano materials
----------	--------------------------------

REGISTER NUMBER	NAME	ELECTIVE - 1	ELECTIVE - 2
41020001	ANANDHI S	Anandhi S	Anandhi . S .
41020002	GOMATHI D	Gd	Gd
41020003	HARIS KUMAR N	Harikun	Harikun
41020004	BELLAM HARSH	Bellam Harsh	Bellam Harsh
41020005	MADHAVI P	Mam	Mam
41020006	MANOJ R	Man	Man
41020007	PANDIMEENA S	Pandimeena S	Pandimeena S
41020008	PREMALATHA N	Premalatha	Premalatha
41020009	SAMINA S	Samina.s	Samina.s
41020010	SANJAY S	Sanjay	Sanjay
41020011	SETH SORENG	seth sorang	seth sorang
41020012	SHARMILA A	Sharmila	Sharmila
41020013	SRIVANI V	Srivani	Srivani
41020014	SWATHI BALASUBRAMANIAM	Swathi Bf	Swathi . Bf.
41020015	TAMILARASI K	Tamilarsi	Tamilarsi
41020016	VIJAYAN B	Vijayan	Vijayan



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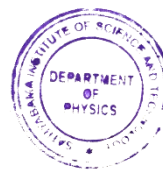
22nd January, 2024

CIRCULAR

SUB: Elective – Course registration for the IV Semester PG students of 2022-24 batch- reg.

The students of M.Sc. Physics (IV-semester) are informed to select two subjects as electives from the given list below. It is suggested that students must take utmost care while selecting the elective which must be based on their interest and give their choice on or before 24th January, 2024. If any student wants to change the course after the registration process, the request has to be sent to the Head of the Department through counselor.

Dr. P. Malliga
Head of the Department



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LIST OF ELECTIVE- 1 PAPERS

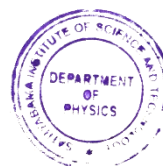
Sl. No.	Course type	Course code	Course title
1.	Theory	SPHA7401	Renewable Energy sources
2.	Theory	SPHA7402	Instrumentation Physics
3.	Theory	SPHA7403	Energy materials
4.	Theory	SPHA7404	Nanomaterials and Applications
5.	Theory	SCCA9501	Industry 4.0
6.	Theory	SALA4001	Intellectual property law

LIST OF ELECTIVE- 2 PAPERS

Sl. No.	Course type	Course code	Course title
1.	Theory	SPHA7405	Introduction to Computational Materials Science
2.	Theory	SPHA7406	Thin film technology
3.	Theory	SPHA7407	Crystallography and Crystal growth
4.	Theory	SPHA7408	Physics of Dielectrics
5.	Theory	SPHA7409	Ultrasonics
6.	Theory	SPHA7410	Biophysics
7.	Theory	SPHA7411	Radiation Physics

P. MALLIGA

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22nd January, 2024

CIRCULAR

With referring the circular dated 24.01.2024, the consolidated list showing the students opted elective courses in the academic year 2023-24.

Sl. No.	Course code	Course title	No. of Students opted
1.	SPHA7401	Renewable Energy sources	0
2.	SPHA7402	Instrumentation Physics	0
3.	SPHA7403	Energy materials	0
4.	SPHA7404	Nanomaterials and Applications	26
5.	SCCA9501	Industry 4.0	0
6.	SALA4001	Intellectual property law	0
7.	SPHA7405	Introduction to Computational Materials Science	26
8.	SPHA7406	Thin film technology	0
9.	SPHA7407	Crystallography and Crystal growth	0
10.	SPHA7408	Physics of Dielectrics	0
11.	SPHA7409	Ultrasonics	0
12.	SPHA7410	Biophysics	0
13.	SPHA7411	Radiation Physics	0

P. Malliga

Dr. P. Malliga
Head of the Department



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SCHOOL OF SCIENCE AND HUMANITIES

DEPARTMENT OF PHYSICS

LIST OF STUDENTS CHOSSING ELECTIVE: ACADEMIC YEAR 2023-2024

ELECTIVE - 1

SPHA7404	Nanomaterials and Applications
----------	--------------------------------

ELECTIVE - 2

SPHA7405	Introduction to Computational Materials Science
----------	---

REGISTER NUMBER	NAME	ELECTIVE - 1	ELECTIVE - 2
42590001	ANURADHA SHARMA	Anu	Anu
42590002	ARCHANA K L	Archana	Archana
42590003	BHUVANESHWARI B	B. Bhuv	B. Bhuv
42590004	DIVYABHARATHI S	S Div	S Div
42590005	DURGADEVI G	Durgadevi. G	Durgadevi. G
42590006	HEMAMALINI P	Hem	Hem
42590007	IMMANUEL WESLY U	Wesly	Wesly
42590008	JOTHIKA R	Jothika	Jothika
42590009	KEERTHANA S N	Keerthana	Keerthana
42590010	KIRTHIKA M	Kirthika	Kirthika
42590011	MARIA INFANT M	Maria Infant	Maria Infant

42590012	MARY SHAMALA V	shamla V	Shamala V
42590013	PADMA PRIYA B	P. PalB	P. PalB
42590014	PRATHYUSHA S Y	Sy P-	Sy P-
42590015	SANGEETHA V	Sangeetha V	Sangeetha V
42590016	SASHMITHAN A	Sashmithan A	Sashmithan A
42590017	SHALINI T	Shalini. T.	Shalini. T.
42590018	SUBRAMANIAN S M	Subramanian S M	Subramanian S M
42590019	SUDHAKAR S	Sudhakar S	Sudhakar S
42590021	TAMILSELVAN J	J. Tamilselvan	J. Tamilselvan
42590022	THARANI M	Tharani M	Tharani M
42590023	VARALAKSHMI VASUDHA N C	Varalakshmi V N C	Varalakshmi V N C
42590024	VISHAL R G	Vishal R G	Vishal R G
42590025	YAZHINI J K	Yazhini J K	Yazhini J K
42590026	YOGESHWARAN A	Yogeshwaran A	Yogeshwaran A
42590027	YUKESH M	Yukesh M	Yukesh M