



## **Avinashilingam Institute for Home Science and Higher Education for Women**

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)

Re-accredited with 'A++' Grade by NAAC. Recognized by UGC Under Section 12 B

Coimbatore-641 043, Tamil Nadu, India

***Initiative Program with India's Semiconductor Mission and with an aim to strengthen the semiconductor facilities in India, Honourable Prime Minister Shri Narendra Modi will lay down the foundation stone of the three semiconductor facilities on 13<sup>th</sup> March 2024***

The Initiative Program under India's Semiconductor Mission, aimed at strengthening semiconductor facilities, saw the foundation stone laid by Prime Minister Shri Narendra Modi on March 13, 2024. The event was attended by 1850 students and faculty members across various venues including the main campus auditorium, School of Engineering, School of Education in Campus II and School of Allied and Health Sciences.. Two seminars on Semiconductor devices were conducted in Campus I and Campus II, on the topic Semiconductor devices at 9.15am addressing students from different disciplines. Additionally, a poster competition on Semiconductor Devices and Its applications was organized, with three best posters receiving medals

## Programme I



### **Avinashilingam Institute for Home Science and Higher Education for Women**

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Coimbatore-641 043, Tamil Nadu, India

## **REPORT**

### **SEMINAR ON**

*Semiconducting Devices For  
India's Techade – Chips for Viksit Bharat*

*Initiative Program with India's Semiconductor Mission and with an aim to  
strengthen the semiconductor facilities in India, Honourable Prime Minister  
Shri Narendra Modi will lay down the foundation stone of the three  
semiconductor facilities on 13<sup>th</sup> March 2024.*

**DATE: 13.03.2024**

**TIME: 9.15 am**

**VENUE:GALLERY**

*Audience : School of Physical Sciences and Computational Sciences*

## INVITATION OF THE PROGRAMME



Avinashilingam Institute for Home Science and Higher Education for Women  
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Coimbatore-641 043, Tamil Nadu, India



**DEPARTMENT OF PHYSICS**  
**Organizes**  
**A SEMINAR ON**  
**SEMICONDUCTOR DEVICES**

**Presidential Address**



**Dr. G. Padmavathi**  
Dean,  
School of Physical Sciences and  
Computational Sciences,  
Avinashilingam Institute for Home Science &  
Higher Education for Women, Coimbatore .

**Resource Person**



**Dr. J. Shanthi**  
Professor and Head,  
Department of Physics,  
Avinashilingam Institute for Home Science &  
Higher Education for Women, Coimbatore .

**Venue : Gallery**  
**Time : 10:00 am**  
**Date : 13.03.24**



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**Coimbatore-641 043, Tamil Nadu, India**

**SEMINAR ON**  
***Semiconducting Devices For***  
***India's Techade – Chips for Viksit Bharat***

**PROGRAMME SCHEDULE**

- PRAYER** : **Ms. K.Elamathi** III BSc.Physics  
Ms.S.Subecsha III B.Sc Physics
- WELCOME ADDRESS** : **Ms.D.Kaviya** III.B.Sc.Physics
- PRESIDENTIAL ADDRESS** : **Dr.G.Padmavathi**  
Dean, School of Physical Sciences and Computational Sciences,  
Avinashilingam Institute for Home Science and  
Higher Education for Women, Coimbatore.
- RESOURCE PERSON** : **Dr.J.Shanthi,**  
Professor and Head  
Department of Physics  
Avinashilingam Institute for Home Science and  
Higher Education for Women, Coimbatore.
- VOTE OF THANKS** : **Ms.K.Yakshini**  
III .B.Sc., Physics

**No. of beneficiaries: 62 Physics Students + 58 Chemistry Students – 120 Students**

& Faculty from School of Physical Sciences and Computational Sciences

**Synopsis:**

The meeting was organized to spread the knowledge about the importance of Semiconducting materials in various industries and the three semiconductor facilities lay down by Hon'ble Prime Minister Shri Narendra Modi on 13/03/2024.

- ❖ Dr. G. Padmavathi, in her Presidential Address, emphasized the crucial role of semiconducting devices in driving economic growth, highlighting countries like China, the USA, South Korea, and Singapore as leaders in utilizing these materials across various industries. The backbone of the economic status of these nations is significantly influenced by their advancements in semiconductor technology compared to India. The introduction of the Semiconductor Mission by the Government of India is expected to enhance the nation's economic status by fostering semiconductor facilities across various sectors
- ❖ The presidential address reflected a strategic vision for leveraging semiconductor technology to propel India's economic growth and competitiveness on a global scale, aligning with key partnerships and initiatives aimed at advancing semiconductor capabilities and fostering innovation. Dr.R.Saratha, Professor and Head, Department of Chemistry spoke of the Job opportunities in the field of Semiconductors for the students in our nation and also other countries specifically in Taiwan.
- ❖ Dr.J.Shanthi, Professor and Head, Department of Physics in her resource talk spoke of the basics of Semiconducting materials, Intrinsic, Extrinsic and various applications of these materials in different industries

Semiconducting materials controls and manages the flow of electric current in electronic equipment and devices. As a result, it is a popular component of electronic chips made for computing components and a variety of electronic devices, including solid-state storage. The Indian semiconductor industry is projected to achieve a market value of \$55 Bn by 2026, driven primarily by the demand for semiconductors in smartphones and wearables, automotive parts, and computers and data storage, which together make up over 60% of the market. Owing to the new installation of semiconducting facilities in large areas in our country may increase the Economical status of India and it will attain the economically strongest background compared to other countries in 2047.

The session concluded with the formal vote of thanks by Ms.Yakshini



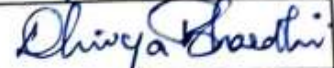
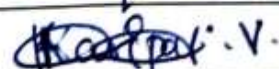
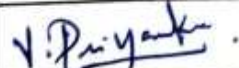

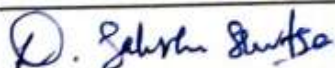
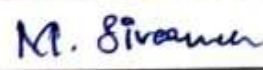

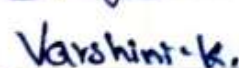
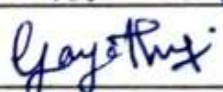
# **List of Participants**

**I B.Sc., Physics**

S.No	Roll No	Name of the Student	Signature of the Student
1	23UPH001	Bhuvaneswari B	B. Bhuvaneswari
2	23UPH003	Dharshini K	Dharshini K.
3	23UPH004	Durga N	Durga N.
4	23UPH005	Durga Nandhini R	R. Durga Nandhini
5	23UPH006	Janani R	R. Janani
6	23UPH007	Kanishka G	G. Kanishka
7	23UPH008	Preetha P	P. Preetha
8	23UPH009	Rithika S	S. Rithika
9	23UPH010	Saniya S	S. Saniya
10	23UPH011	Sindhuja A	A. Sindhuja
11	23UPH012	Sinduja J	J. Sinduja
12	23UPH013	Srinithi B	B. Srinithi
13	23UPH014	Thenuka P	P. Thenuka
14	23UPH015	Vedha Valli S	S. Vedha Valli
15	23UPH016	Vishrutha T	T. Vishrutha



## II B.Sc., Physics

S.No	Roll Number	Name of the Student	Signature of the Student
1.	22UPH001	Aswini.S	
2.	22UPH002	Deepika.G	
3.	22UPH003	DhivyaBharathi	
4.	22UPH004	Kaviyapathi V	
5.	22UPH005	Priyanka V	
6.	22UPH006	Rhithika.K	
7.	22UPH007	Sakthi Srivatsa D	
8.	22UPH008	Sivaaruna M	
9.	22UPH009	Srimathi R	
10.	22UPH010	Varshini K	
11.	22UPH011	Gayathri G	

### List of Participants

#### III B.Sc., Physics

S.No.	Reg.No.	Name of the Student	Signature of the Student
1.	21UPH001	AmizhiniA	Amizhini A
2.	21UPH003	AsmithaS	Asmitha S
3.	21UPH004	BaranikasriM	Baranikasri M
4.	21UPH005	ChandragowriR	R. Chandragowri
5.	21UPH006	DevadharshiniS	Devadharshini S
6.	21UPH008	ElamathiK	Elamathi K
7.	21UPH010	GunaAruliN	Guna Aruli N
8.	21UPH011	HariniS	Harini S
9.	21UPH012	JananiRS	Janani R S
10.	21UPH013	KanishkaS	S. Kanishka
11.	21UPH014	KaviyaD	K. Kaviya
12.	21UPH015	LeeshaV	V. Leesha
13.	21UPH017	NandhithaS	S. Nandhitha
14.	21UPH018	NehaB	B. Neha
15.	21UPH019	NivishnaS	S. Nivishna
16.	21UPH021	RubyP	P. Ruby
17.	21UPH022	SarumathiS	S. Sarumathi
18.	21UPH023	SelvadharshiniM	M. Selvadharshini
19.	21UPH024	SrimathiS	S. Srimathi
20.	21UPH025	SrinithiB	B. Srinithi
21.	21UPH026	SubeeshaaS	S. Subeeshaa
22.	21UPH027	VaishnaviA	A. Vaishnavi
23.	21UPH028	YakshiniK	K. Yakshini



## I M.Sc Physics

S.No	Name of the Student	Signature of the Student
1.	Apoorva V	V. Apoorva
2.	Atchayasamyuktha P	A. S. P
3.	Kaviya E Mayang Lambam Litha Devi	Mayang Lambam Litha Devi
4.	Kayalvizhi M	K. M. Vizhi
5.	Maheswari S	M. S.
6.	Mithra V	V. Mithra
7.	Rajalakshmi E S	S. R. Lakshmi
8.	Ramya K S	Ramya K S
9.	Sarumathi A	A. Sarumathi
10.	Sivavarshini S	S. Sivavarshini
11.	Srutii R	S. R.
12.	Sowparnika M	S. M.
13.	Sujitha S	S. Sujitha
14.	Susithra T	T. Susithra
15.	Varshini S	S. Varshini

### III- UG CHEMISTRY

S-NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE
1.	21UCH001	ABITHA . V	V. Abitha
2.	21UCH003	ARUNA SHARATHY . K	K. Arunakshathy
3.	21UCH005	HARINE . M . Y	Harine . m . y .
4.	21UCH006	HARINI . K	Harini . K .
5.	21UCH007	HARINI . M	M. Harini
6.	21UCH008	HARINI . M	M. Harini
7.	21UCH009	IDHAYASRI . S	S. Idhayasri
8.	21UCH010	INDRAMATHI . T	T. Indramathi
9.	21UCH011	JACKIN & HIRON . S	S. Jackin & Hiron
10.	21UCH014	JEEVITHA . C	C. Jeevitha
11.	21UCH015	KAMALINI . V	V. Kamalini
12.	21UCH016	KANSA . K	K. Kansa
13.	21UCH019	LOMANAYAKI . L	L. Lomanayaki
14.	21UCH020	MAHARVIZHI . P	P. Maharvizhi
15.	21UCH022	MANTU . S	S. Mantu
16.	21UCH024	NITHYA KODPANI . J	J. Nithya Kodpani
17.	21UCH025	PAVITHRA DEVI . S	S. Pavithra Devi

S.NO	ROLL NO	NAME OF THE STUDENT	SIGNATURE
18	21UCH026	POOJA SHRI . K	Pj-shri K
19	21UCH027	PRAVEENA . D	Praveena D
20	21UCH028	PUNITHA . P	Punitha P
21	21UCH030	ROHINI . S	Rohini S
22	21UCH031	SHARITHA BANU . S	Sharitha Banu S
23	21UCH032	SHANTUNA . K.N	Shantuna
24	21UCH033	SIVA PRIYA . B	Sivapriya
25	21UCH034	SOWMIYA . L	Sowmya L
26	21UCH035	SUBATHRA . M	M. Subatha
27	21UCH037	SUVATHI . S	S. Suvathi
28	21UCH038	SWATHY . K	K. Swathy
29	21UCH039	SWETA THAMATOO	Sweta
30	21UCH040	THARUNI . T	Tharuni T
31	21UCH041	THIRUPATHI LAKSHMI . S	Thirupathi Lakshmi S
32	21UCH042	VARSHA . M	M. Varsha
33	21UCH043	VINITHA . R	R. Vinitha
34	21UCH044	VISHNU PRIYA . C	C. Vishnu Priya

II - UG CHEMISTRY			
S.NO	ROLL NO	NAME	SIGNATURE
1.	22UCH001	ABINAYASRI . G	Abinayasri
2.	22UCH003	DEVAKI . N	Devak
3.	22UCH004	DEEPIKA . T	Deepika . T
4.	22UCH006	GOKILAVANI . BS	Gokilavani
5.	22UCH008	GLOPIKA . D	B. Gopika .
6.	22UCH010	HAYALVIZHI . M	Hayalvizhi . M
7.	22UCH007	GLOPIKA . B .	B. Gopika .
8.	22UCH011	JEEVAREHA . K	Jeevareha
9.	22UCH012	JEEVITHA . K	Jeevitha
10.	22UCH014	MADHUSRI C . G	Madhusri
11.	22UCH015	NANDHINI . M	Nandhini . M
12.	22UCH016	NIVETHA . S	Nivetha . S
13.	22UCH017	PAVITHRA . B	B. Pavithra
14.	22UCH018	POOJA . R	Pooja . R
15.	22UCH019	PRADEEPA . H .	Pradeepa . H .
16.	22UCH020	PRAVEENA . A .	Praveena . A .
17.	22UCH021	SANDHIYA M . A .	Sandhya . M . A .
18.	22UCH022	SAVITHA . G .	Savitha . G .
19.	22UCH023	SHOBICA . A .	A. Shobika .
20.	22UCH024	SUSHIKSHA . B .	Sushiksha . B .
21.	22UCH025	THEERTHA . S .	Theertha . S .

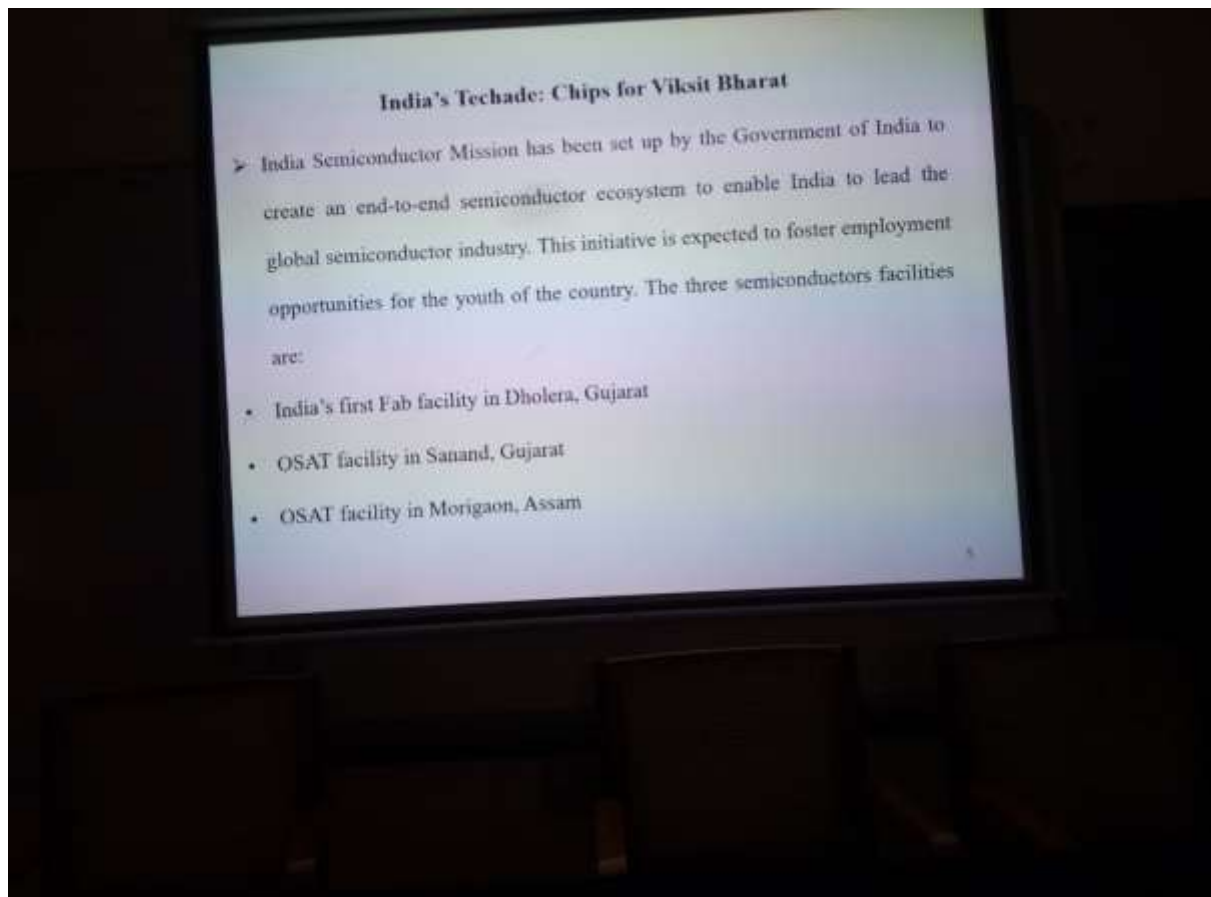


### *PHOTOS TAKEN DURING THE PROGRAMME*













## ***Programme II***

**Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore**

**Department of Science and Humanities  
School of Engineering**

**India's Techade - Chips for Viksit Bharat**

**Post Event Report - 13<sup>th</sup> March 2024- 9.15 am**

India's Techade is the India's Semi-Conductor Mission inaugurated by Honourable Prime Minister Shri Narendra Modi on 13<sup>th</sup> March 2024 with an aim to strengthen the semiconductor facilities in India. In continuation of this mega event conducted by the Government of India, the Department of Science and Humanities, School of Engineering organized a special Lecture on "Semiconducting Devices and Its Applications" as a post event programme. Dr. A. Ayisha Begam, Associate Professor, Department of Science and Humanities, School of Engineering delivered a special lecture on semiconducting devices and its applications. Awareness was given to the students about various semiconducting devices and its advanced applications to various fields of Science and Engineering. Around 235 first year B.E students attended the lecture session conducted in the seminar hall, School of Engineering at 9.15 am. An interaction session followed the resource talk.



**listening to the talk of  
Hon'ble Prime Minister**



**Students  
Special Lecture Session in progress**



**Cross Section of students in the seminar hall**

***Programme III***  
***Best Poster Competition***

A poster competition on the theme Semiconductor Devices and Its applications has been organized and the three best posters were awarded with medals.

Few posters:



