



DEPARTMENT : PHYSICS

ACTIVITY : GUEST LECTURE

YEAR : 2019 – 2020

DEPARTMENT OF PHYSICS

DATE	TIME	VENUE
19.07.2019	10:00 a.m. to 12:00 noon	Seminar Hall, EMGYWC
Theme	To Address Energy Challenges with Fourth Generation Reactors	
Nature of the Activity	Guest Lecture	
Title	Fourth Generation Reactors	
Convener	Mrs.R.Kayalvizhi Head, Assistant Professor of Physics EMGYWC	
Resource Person	Dr.M.Sivabharathy Associate Professor and Dean(R&D) of Physics Sethu Institute of Technology Kariyapatti, Virudhunagar	
Participants	Faculty - 11 Students - 132	

GUEST LECTURE "FOURTH GENERATION REACTORS"

Objectives:

To enlighten students and faculty about the latest advancements in nuclear energy.

Report:

Dr. **Dr.M.Sivabharathy** began the lecture by providing an overview of traditional nuclear reactors and their limitations. He then delved into the concept of fourth generation reactors, highlighting their potential to revolutionize the nuclear energy landscape.

The lecture covered various aspects of fourth generation reactors, including their enhanced safety features, reduced nuclear waste production, and improved efficiency.

The Speaker discussed the different types of fourth generation reactors, such as molten salt reactors, high-temperature gas-cooled reactors, and fast reactors, along with their respective advantages and challenges.

Furthermore, elaborated on the role of fourth generation reactors in addressing key energy and environmental challenges, emphasizing their contribution to sustainable development and carbon neutrality goals.

During the Q&A session, attendees engaged in stimulating discussions about reactor design, safety measures, and potential applications of fourth generation reactors in various industries.

Programme Outcome:

The guest lecture provided valuable insights into the cutting-edge advancements in nuclear energy technology and inspired attendees to explore the possibilities of fourth generation reactors in shaping the future of clean and sustainable energy.

Photographs:



**Department of Physics Organised Guest Lecture on
"Fourth Generation Reactors" - 19.07.2019**

E.M.GOPALAKRISHNA KONE YADAVA WOMEN'S COLLEGE

Enclosures:

Nominal Roll of Participants:

1. Student participants of EMGYWC:

Guest Lecture on "Fourth Generation Reactors" 19.07.2019			
S.No.	REGISTER NO.	NAME	DEPARTMENT
1	17PHY01	R. Abhinaya	Physics
2	17PHY02	K. Abitha	Physics
3	17PHY03	P. Alageswari	Physics
4	17PHY04	M. Alagunatchiyar	Physics
5	17PHY05	R. Anusiya	Physics
6	17PHY06	S. Aruna	Physics
7	17PHY07	M. Bhavithra	Physics
8	17PHY08	S. Devi	Physics
9	17PHY09	J. Dhanuja	Physics
10	17PHY10	S. Fathima Furjana	Physics
11	17PHY11	C. Gajalakshmi	Physics
12	17PHY12	S. Gayathri	Physics
13	17PHY14	S. Heeba Nasrin	Physics
14	17PHY15	G. Induja	Physics
15	17PHY16	J. Iswarya	Physics
16	17PHY17	S. Karthiga	Physics
17	17PHY18	A. Keerthana	Physics
18	17PHY20	M. Madhumitha	Physics
19	17PHY21	A. Malini	Physics
20	17PHY22	M. Mariammal	Physics
21	17PHY23	S. Mathumitha	Physics
22	17PHY24	N. Nambulakshmi	Physics
23	17PHY25	I. Nandhini Sha	Physics
24	17PHY26	S. Nisha	Physics
25	17PHY27	K. Nivetha	Physics
26	17PHY28	N. Nivetha	Physics
27	17PHY29	K. Priya	Physics
28	17PHY30	M. Priyadharshini	Physics
29	17PHY31	N. Priyanka	Physics
30	17PHY32	M. Rahumathul Fathima	Physics
31	17PHY33	R. Ramya Devi	Physics
32	17PHY34	M. Ramya Shri	Physics
33	17PHY35	S. Rathika	Physics
34	17PHY36	S. Saipreethi	Physics

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35	17PHY37	S. Saiyadhunisha	Physics
36	17PHY38	T. Sangavi	Physics
37	17PHY39	M. Sangleeswari	Physics
38	17PHY40	R. Santhiya	Physics
39	17PHY41	R. Selva Nayaki	Physics
40	17PHY42	S. Sowmiya	Physics
41	17PHY43	B. Swathi	Physics
42	17PHY44	G. Thangeshwari	Physics
43	17PHY45	J. Thilagavathi	Physics
44	17PHY46	M. Vidyasri	Physics
45	17PHY48	M. Yuvasri	Physics
46	18PHY01	R.Aarthika	Physics
47	18PHY02	K.Aarthy	Physics
48	18PHY03	M.Afrin Rihana	Physics
49	18PHY04	M.Anitha	Physics
50	18PHY05	B.Aruna	Physics
51	18PHY06	B.Baby Shalini	Physics
52	18PHY07	M.Banu Priya	Physics
53	18PHY08	P.Dharani	Physics
54	18PHY09	N.Durga Devi	Physics
55	18PHY10	C.Gayathri	Physics
56	18PHY11	S.Gayathri	Physics
57	18PHY12	S.Geethaa	Physics
58	18PHY13	R.Harini	Physics
59	18PHY14	P.Jeevitha	Physics
60	18PHY15	J.Jenifer Gnana Briskila	Physics
61	18PHY16	M.Kanageswari	Physics
62	18PHY18	C.Kanimuthu	Physics
63	18PHY19	M.Kanmani	Physics
64	18PHY20	K.Karthigai Priya	Physics
65	18PHY21	P.Lawanya	Physics
66	18PHY22	R.Manimegalai	Physics
67	18PHY23	G.Meenakshi	Physics
68	18PHY24	M.Muneeshwari	Physics
69	18PHY25	B.Nisha	Physics
70	18PHY26	M.Nitharsana	Physics
71	18PHY27	G.Nithya	Physics
72	18PHY28	P.Pavithra	Physics
73	18PHY29	N.Periya Dharshini	Physics
74	18PHY30	A.Pradeepa	Physics
75	18PHY31	K.Prakathi	Physics

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77	18PHY33	K.Ramya	Physics
78	18PHY34	C.Sharmila	Physics
79	18PHY35	N.Shneha	Physics
80	18PHY36	K.Sinega	Physics
81	18PHY37	K.Siva Priya Dharshini	Physics
82	19PHY02	D.Anitha	Physics
83	19PHY03	M.Anitha	Physics
84	19PHY04	S.Apsanabarveen	Physics
85	19PHY05	P.Archana	Physics
86	19PHY06	A.Bavani	Physics
87	19PHY07	I.Devadharshini	Physics
88	19PHY08	S.Devi Abirami	Physics
89	19PHY10	D.Dharani	Physics
90	19PHY11	K.Dharani	Physics
91	19PHY12	S.Dhivya Bharathi	Physics
92	19PHY13	V.Durga Sri	Physics
93	19PHY14	L.Elakkiya	Physics
94	19PHY15	P.Gayathri	Physics
95	19PHY16	M.Hema Shalini	Physics
96	19PHY18	A. Kavi Priya	Physics
97	19PHY19	P.Kirubha	Physics
98	19PHY20	M.Leena	Physics
99	19PHY21	C.Madhumitha	Physics
100	19PHY22	C.Muthamilselvi	Physics
101	19PHY23	S.Nandhini	Physics
102	19PHY24	S.K.Nandhini	Physics
103	19PHY25	P.Nisanthi	Physics
104	19PHY26	S.Nivetha Lakshmi	Physics
105	19PHY27	T.Pavithra	Physics
106	19PHY28	V.Preethi	Physics
107	19PHY29	M.Priyadharshini	Physics
108	19PHY30	N.Priyanga	Physics
109	19PHY31	N.Raghavi	Physics
110	19PHY32	A.Riswana Begam	Physics
111	19PHY33	P.Sarumathi	Physics
112	19PHY34	S.S.Shanmathi	Physics
113	19PHY35	S.Suba Parvathi	Physics
114	19PHY37	S.Swedha	Physics
115	19PHY38	P.Swetha	Physics
116	19PHY39	M.Thiruveni	Physics

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117	19PHY40	G.Ubashini	Physics
118	19PPH01	A.Azhagulakshmi	Physics
119	19PPH 02	S.Gayathri	Physics
120	19PPH03	N.Janani	Physics
121	19PPH04	P.Karthiga	Physics
122	19PPH05	S.Kaviya	Physics
123	19PPH06	Naganandhini.M	Physics
124	19PPH07	S.Nikila	Physics
125	19PPH08	S.Prabha	Physics
126	19PPH09	S.Priya	Physics
127	19PPH10	Srinidhi.S	Physics
128	19PPH11	Subasrikomalagowri	Physics
129	18PPH01	E. Janani	Physics
130	18PPH02	A.Muthuselvi	Physics
131	18PPH03	M.Poornima	Physics
132	18PPH04	K.Sri Iswaria	Physics