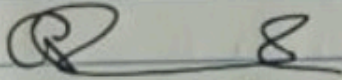
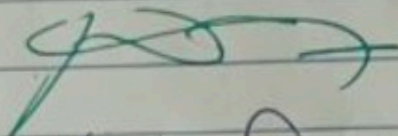


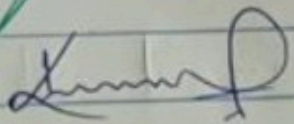
The Department meeting held on 12.11.22 at Physics Department under the Incharge Mr. C.V.S. Jayapala M. The following agenda is to be discussed.

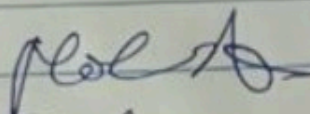
Agenda:

- 1) update the Academic Records.
 - 2) prepare the NAAC documents.
 - 3) Include paper publications update in website.
 - 4) To conduct certificate course during Jan-2023 on "Cross cutting issues in nuclear energy."
- The above agenda is unanimously resolved.

1)  8
Mr. C.V.S. Jayapala

2) 

3)  R. Ravi Kumar

4) 
(Rohanas Dave)

From
Dr. G V S Jayapala Rao, In charge
Department of Physics,
Govt. Degree College for Men,
Srikakulam.

To
The Principal,
Govt. Degree College for Men,
Srikakulam.

Subject: Request to Introduce Certificate Course for UG -B.Sc
Students- reg.

Respected Madam,

The Department of Physics in its meeting held on 12-11-22 at Department of Physics passed a resolution to request the introduction of a certificate course on Cross cutting issues in Nuclear Energy for B.Sc students at Govt. Degree College (M)-Srikakulam. This course will provide valuable additional skills and opportunities, enhancing our student`s academic and career prospects. Your consideration of this request is greatly appreciated.

Thanking you Madam,

Yours Sincerely,

CERTIFICATE COURSE BROCHURE 2022-23



GOVERNMENT DEGREE COLLEGE (MEN)

ACCREDITED BY NAAC WITH B++ (CGPA 2.90)

Srikakulam - 532001, Andhra Pradesh, India

ph: 08942 222383 e-mail: info@gdcmsklm.ac.in website: <https://www.gdcmsklm.ac.in>



Cross-cutting issues in Nuclear Energy

Offered by

Department of Physics, Govt. Degree College (Men), Srikakulam

About the Course: Cross-cutting issues in nuclear energy encompass various challenges that transcend specific aspects of the industry. Safety remains paramount, addressing both operational and accidental risks. Proliferation resistance involves preventing the spread of nuclear weapons technology. Efficient waste management is critical for handling radioactive byproducts responsibly. Additionally, public perception, regulatory frameworks, and international cooperation are vital factors. Economic considerations, such as the cost of construction and decommissioning, further influence the industry's viability. Tackling these multidimensional challenges requires a comprehensive and interdisciplinary approach to ensure the continued development and safe deployment of nuclear energy for meeting global energy needs while minimizing environmental and security risks.

Number of Credits: Nil

Mode of Teaching: Offline

Course Contents: Overview of Nuclear Energy, Importance of Cross-Cutting Issues, Regulatory Framework, Ethics in Nuclear Energy, Environmental Impact Assessment (EIA), Nuclear Energy and Climate Change, Nuclear Security, Social and Economic Aspects, Advanced Nuclear Technologies, Future Trends and Challenges.

References: 1. Nuclear Power: A Reference Handbook by **Harry Henderson**.
2. Nuclear Energy Policy: A Reference Handbook **Earl Kruschke**.

Eligibility Criteria: B.sc final year Mathematical Science students only.

Fee Structure: NIL

Important Dates

- ❖ Registration start date: 02 /01/2023
- ❖ Last date for registration: 10/01/2023
- ❖ Commencement of classes: 20/01/2023
- ❖ Last class work : 25/02/2023
- ❖ Date of final examination : 25/02/2023

Paper Code: GCMPHY02

Admission Procedure: Interested participants can complete the registration process through the following registration forms for the above course is available at the department of Physics. Admission process for this course is on first-come-first-serve basis and the last date for registration to the courses 10/01/2023 (Tuesday).

Class Duration: Classes will be held for 30 hours starting from 20/01/2023 (Thurs day). Every week classes will be held on Monday to Friday (except for the national holidays/festivals). Final examination will be conducted on 25/02/2023 (Saturday). The class timings will be 4.30 – 5.30 hours IST (except for the day of the final examination).

Assessment: Assessment will be based on completion of assignments and performance in the test conducted at the end of the course. The participant must obtain at least 50% in the test to avail the course completion certificate.

Course Coordinator

Mr. Mohanarao Barri,
Lecturer in Physics,
Department of Physics

Circular

5-1-2023

According to the department of physics resolution,
 To start a certificate course on "cross-cutting
 issues in nuclear energy" from 20-1-2023
 for 30 hrs during working days in physics lab.
 All final year students are eligible for it.
 Interested students are requested to enroll
 your names to in-charge of physics on or
 before 19-1-2023.

1. Y. Vijaya

2. Ch. Lavanya

3. G. Sai Kumar

4. A. Karthik

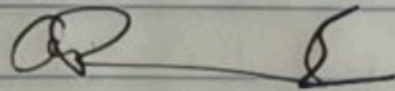
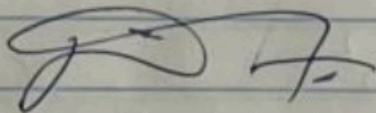
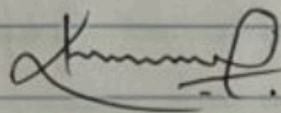
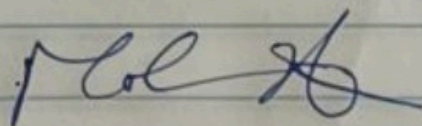
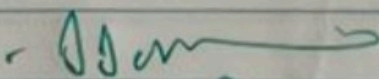
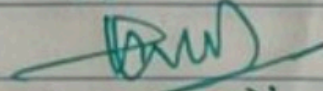
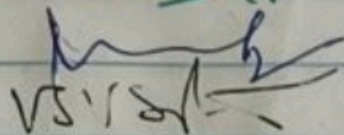
5. V. Durga Rao

6. D. Siva

7. N. Suguna

8. A. Deep Kumar

J. S.

1. 2. 3. 4. 5. 6. 7. 

R. Pearammal

D. Ravi

GOVT. DEGREE COLLEGE(MEN), SRIKAKULAM
DEPT. OF PHYSICS
CERTIFICATE COURSE
CROSS CUTTING ISSUES IN NUCLEAR ENERGY
SYLLABUS

Session 1 (2 hours): Overview of Nuclear Energy

Introduction to nuclear power generation

Historical perspective and milestones

Basic principles of nuclear reactions

Session 2 (2 hours): Importance of Cross-Cutting Issues

Definition and significance of cross-cutting issues

Role in nuclear energy safety and sustainability

Examples of cross-cutting issues in nuclear energy

Session 3 (2 hours): Regulatory Framework

Overview of nuclear regulatory bodies

Regulatory requirements and standards

Safety culture and its importance

Session 4 (2 hours): Ethics in Nuclear Energy

Ethical considerations in nuclear science and technology

Case studies on ethical challenges

Professional responsibility and accountability

Week 2: Environmental Impact and Sustainability

Session 5 (3 hours): Environmental Impact Assessment (EIA)

Basics of EIA in the context of nuclear energy

Case studies on EIA for nuclear facilities

Mitigation strategies and best practices

Session 6 (3 hours): Nuclear Energy and Climate Change

Contribution of nuclear energy to climate change mitigation

Comparison with other energy sources

Sustainable development goals and nuclear energy

Week 3: Nuclear Security and International Cooperation

Session 7 (3 hours): Nuclear Security

Nuclear security challenges and threats

International frameworks for nuclear security

Role of technology in nuclear security

Session 8 (3 hours): Non-Proliferation and Treaty Regimes

Overview of non-proliferation treaties

International cooperation in nuclear energy

Case studies on successful collaborations

Week 4: Social and Economic Aspects

Session 9 (3 hours): Social Acceptance of Nuclear Energy

Public perception and communication strategies

Community engagement and involvement

Addressing public concerns and misconceptions

Session 10 (3 hours): Economic Considerations in Nuclear Energy

Cost-benefit analysis of nuclear power

Financing and investment challenges

Economic competitiveness with other energy sources

Week 5: Emerging Technologies and Future Outlook

Session 11 (3 hours): Advanced Nuclear Technologies

Overview of advanced reactor designs

Small modular reactors (SMRs) and their potential

Fusion energy developments

Session 12 (3 hours): Future Trends and Challenges

Technological advancements in nuclear energy

Anticipated challenges and opportunities

Strategies for continued improvement and innovation

Assessment and Certification

Assignment: Research paper or case study on a specific cross-cutting issue

Final Exam: Comprehensive examination covering all topics

Certificate: Awarded upon successful completion of the course

MODEL PAPER FOR CERTIFICATE COURSE

DEPARTMENT OF PHYSICS

COURSE CODE: GDCMPHY02

(CROSS CUTTING ISSUES IN NUCLEAR ENERGY)

MAX.MARKS:75

TIME: 03 HOURS

SECTION –I

Answer any five of the following

5x5=25 Marks

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.

SECTION –II

Answer all the five questions.

5x10=50 Marks

11. (a)
or
(b)
12. (a)
or
(b)
13. (a)
or
(b)
14. (a)
or
(b)
15. (a)
or
(b)

GOVT.DEGREE COLLEGE (MEN)-SRIKAKULAM
CERTIFICATE COURSE EXAM PAPER
(Cross-Cutting Issues in Nuclear Energy)

MAX.MARKS:75

TIME: 3 Hrs

SECTION –I

Note: Answer any five of the following

5x5=25marks

1. Define the term "cross-cutting issues" in the context of nuclear energy and provide examples.
2. Explain how an interdisciplinary approach can enhance the understanding and management of cross-cutting issues in the nuclear energy sector.
3. Discuss the key regulatory frameworks governing nuclear energy. How do these frameworks address cross-cutting issues such as safety and environmental concerns?
4. Describe the importance of international collaboration in addressing cross-cutting issues in nuclear energy. Provide examples of successful collaborative initiatives.
5. How do technological advancements impact cross-cutting issues in nuclear energy? Provide specific examples and discuss their implications.
6. Identify and discuss ethical considerations related to nuclear energy, specifically in the context of cross-cutting issues. How can ethical practices be integrated into decision-making?
7. Outline the safety measures that should be implemented to address cross-cutting issues in nuclear energy. Provide examples and discuss their significance.
8. Analyze the environmental impact of nuclear energy, considering cross-cutting issues. How can the industry mitigate negative effects and promote sustainability?
9. Explain the importance of stakeholder engagement in managing cross-cutting issues in nuclear energy. Provide strategies for effective communication with various stakeholders.
10. Identify and discuss two current challenges in the nuclear energy sector that involve cross-cutting issues. How can these challenges be addressed from a theoretical standpoint?

SECTION –II

Answer all the five questions.

5x10=50 marks

11.
 - a. Discuss the importance of adopting an interdisciplinary approach in understanding and addressing cross-cutting issues in the field of nuclear energy. Provide examples to illustrate your points.
(Or)
 - b. Explore the ethical dilemmas associated with cross-cutting issues in nuclear energy. Discuss the principles and frameworks that can guide ethical decision-making in the industry.

12.

- a) Analyze the role of international collaboration in managing cross-cutting issues in the nuclear energy sector. Discuss challenges and opportunities for global cooperation. (Or)
- b) Examine the regulatory frameworks that govern nuclear energy. How do these regulations address cross-cutting issues, and what improvements could be made to enhance safety and sustainability?

13.

- a) Explore the impact of technological advancements on cross-cutting issues in nuclear energy. Discuss specific innovations and their potential implications for the industry.

(Or)

- b) Assess the environmental impact of nuclear energy and discuss strategies for achieving sustainability. How can the industry balance energy production with environmental conservation?

14.

- a) Discuss the principles of risk management in the context of cross-cutting issues in nuclear energy. Provide examples and evaluate the effectiveness of current risk mitigation strategies. (Or)
- b) Analyze the role of effective communication in managing public perception of nuclear energy. How can the industry address concerns and build public trust regarding cross-cutting issues?

15.

- a) Explore the social and cultural factors that influence the management of cross-cutting issues in nuclear energy. How can these factors be taken into account in decision-making processes? (Or)
- b) Identify and discuss two significant challenges and opportunities that the nuclear energy sector may face in the future regarding cross-cutting issues. Propose strategies for navigating these challenges and leveraging opportunities.

Sl. No.	Name of the Student	Group	Date											
			20-23	21-23	22-23	23-23	24-23	25-23	26-23	27-23	28-23	29-23	30-23	31-23
1	ARIKA VENKATESH	HPC	P	a	P	P	a	P	P	a	P	P	P	
2	BURRU. VAMSI	"	P	P	a	P	P	P	a	P	P	P	P	
3	DUPPALA SIRISHA	"	a	P	P	a	P	P	P	a	P	P	P	
4	GONDU. VIDYA RADI	"	P	P	a	P	P	P	a	P	P	P	P	
5	JAHNADA. SAI KUMAR	"	P	a	P	P	P	a	P	P	P	P	P	
6	MAJJI OILEEP KUMAR	"	a	P	P	P	a	P	P	P	P	P	P	
7	PAILA. MADHAVI	"	P	P	a	P	P	P	a	a	a	a	a	
8	RAVADA. CHANDINI	"	P	P	P	P	P	a	P	P	P	P	P	
9	RAVADA. SRINIVASA	"	P	P	a	P	a	P	P	P	P	P	P	
10	SADI. BALKAVYA	"	a	P	P	P	P	a	P	P	P	P	P	
11	SAVARA. SOMESWARA RAO	"	a	a	P	P	a	P	P	P	P	P	P	
12	TATTA. MINNA. SANKARARAD	"	P	P	P	P	P	P	P	a	a	a	a	
13	VANKALA. ROHINI	"	P	P	a	P	a	P	a	P	P	P	P	
14	VATTAM. LOKESH	"	a	P	P	P	P	a	P	P	P	P	P	
15	VADLA. USHA RANI	"	P	P	a	P	P	P	a	P	P	P	P	
16	ARIKA. RATESH KUMAR	HPCS	P	a	P	a	a	P	P	a	P	P	P	
17	BUKKA. APPALA NAIDU	"	P	a	P	a	P	P	a	P	P	P	P	
18	CHEERUKU. BILLI KRANTHI KUMAR	"	P	P	a	P	a	P	P	a	P	P	P	
19	CHINTA RUDI. RATA SEKHAR	"	P	P	P	P	a	a	P	P	P	P	P	
20	DONKADA. MAHESH	"	P	a	P	a	P	P	P	a	P	P	P	
21	GEDELA. GAYATHRI	"	P	P	P	a	P	P	a	P	P	P	P	
22	GOUDU. SAQARU	"	P	P	a	P	P	a	P	P	P	P	P	
23	GUVADA. HARI KIRSHNA	"	P	P	a	P	P	a	P	a	P	P	P	
24	KALLE. PALLI GAYATHRI	"	P	a	P	P	a	P	P	P	P	P	P	
25	MELTA. MAHESH. BABU	"	a	P	P	P	P	P	P	P	P	P	P	
26	NASA. VAMSARA. GOPAL	"	P	P	P	a	a	P	a	P	P	P	P	
27	PYDI. AMRUTHA	"	P	a	P	a	P	P	P	P	P	P	P	
28	SAVARA. KARTHIK	"	a	P	P	P	P	P	P	P	P	P	P	
29	SAVARA. SURESH	"	P	a	P	P	a	P	P	P	P	P	P	
30	SURU. BHASATHI	"	P	P	P	P	a	P	P	P	P	P	P	



Government Degree College (M), Srikakulam



Feedback

Name of the Certificate Course	Cross-Cutting issues in Nuclear Energy
Department	Physics
Date	25.02.2023
Name of the participant	S Bharathi
Group	III - MPC S

1. Did the event fulfil it's objectives?

✓
✓ Yes/ No

2. How useful was the event for you? (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
---	---	---	---	---	-----

3. Rate the overall success of the course (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
---	---	---	---	---	-----

4. List the key takeaway points from the events.

•

5. Suggestions if any

•

S. Bharathi
Signature of the Participant



Government Degree College (M), Srikakulam



Feedback

Name of the Certificate Course	Cross-Cutting issues in Nuclear Energy
Department	Physics
Date	25.02.2023
Name of the participant	T Minna Sankar Rao
Group	III B-sc (MPC)

1. Did the event fulfil it's objectives?

✓ Yes/ No

2. How useful was the event for you? (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
---	---	---	---	---	-----

3. Rate the overall success of the course (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
---	---	---	---	---	-----

4. List the key takeaway points from the events.

- Developed clear perspective on the Nuclear energy

5. Suggestions if any

•

T Minna Sankar Rao
Signature of the Participant



Government Degree College (M), Srikakulam



Feedback

Name of the Certificate Course	Cross-Cutting issues in Nuclear Energy
Department	Physics
Date	25.02.2023
Name of the participant	SAVARA SOMESWA KAKAO
Group	III B Sc MPC

1. Did the event fulfil its objectives?

✓ Yes/ No

2. How useful was the event for you? (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
---	---	---	---	---	-----

3. Rate the overall success of the course (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
---	---	---	---	---	-----

4. List the key takeaway points from the events.

- The course provided valuable and detailed information about Nuclear Energy.
- 5. Suggestions if any

S. Someswarao

Signature of the Participant

Feedback

Name of the Certificate Course	Cross-Cutting issues in Nuclear Energy
Department	Physics
Date	25.02.2023
Name of the participant	K. GAYATRI - MPCs
Group	MPCs - III B.Sc

1. Did the event fulfil its objectives?

✓ Yes/ No

2. How useful was the event for you? (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
---	---	---	---	---	-----

3. Rate the overall success of the course (0 being Not useful and 5 Most useful)

0	1	2	3	4	5 ✓
---	---	---	---	---	-----

4. List the key takeaway points from the events.

- Certificate course on nuclear energy was incredibly informative.

5. Suggestions if any

- Nil

K. Gayatri
Signature of the Participant



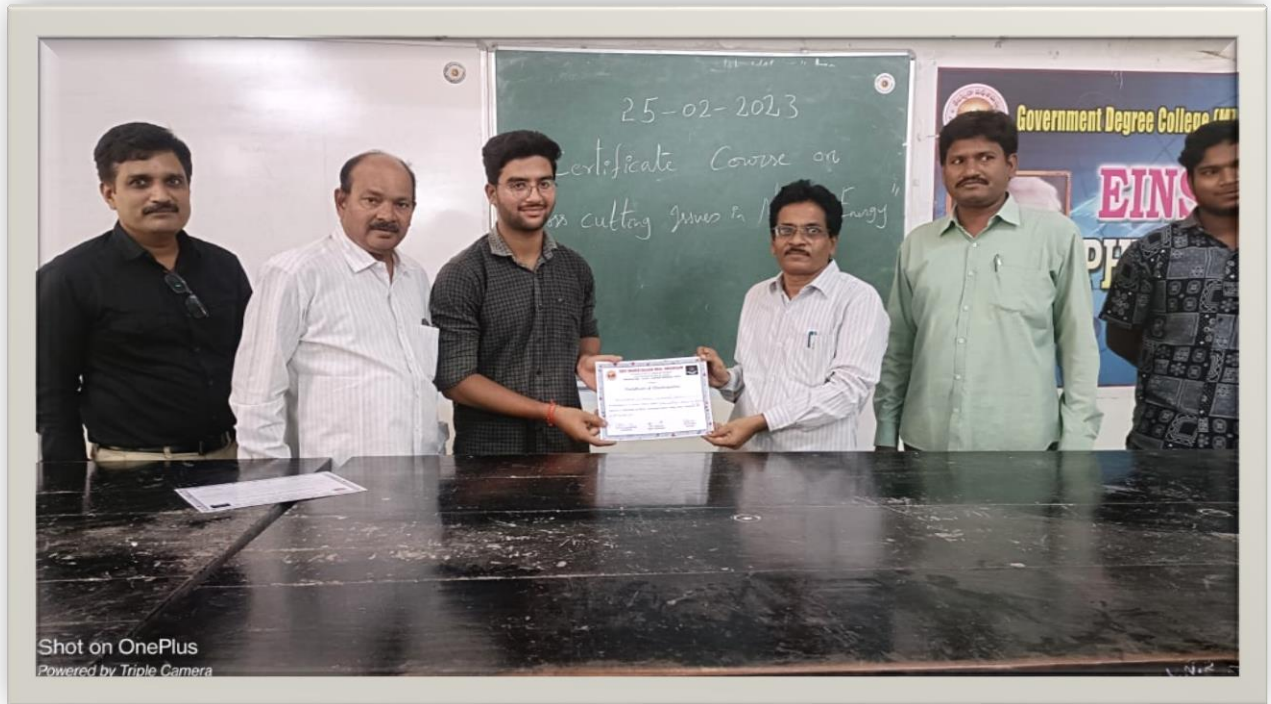
Consolidated Feedback

Total No. of Participants = 30

No. of participants from whom feedback is collected = 18

S.No		No. of participants graded "Yes"		No. of participants graded "No"		
1	Did the event fulfill its objectives	18		00		
2		No. of participants graded - 1	No. of participants graded - 2	No. of participants graded - 3	No. of participants graded - 4	No. of participants graded - 5
3	How useful was the event for you					18
4	Rate the overall success of the event					18
5	Key take away points from the event	All the students cleared their speculations on nuclear energy issues and safety of its utilization				
6	Suggestions if any	They suggested to continue this course to the upcoming batches				


Coordinator





GOVT. DEGREE COLLEGE (MEN)

Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))

(Affiliated to Dr.BRAU, Srikakulam)



Certificate Course on

Cross-cutting Issues in Nuclear Energy

This is to certify that Kum. **Paidi Amrutha**, III B.Sc. (MPCs), **Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



GOVT. DEGREE COLLEGE (MEN)

Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))

(Affiliated to Dr.BRAU, Srikakulam)



Certificate Course on

Cross-cutting Issues in Nuclear Energy

This is to certify that Mr. **Bukka Appala Naidu, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



GOVT. DEGREE COLLEGE (MEN)

Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))

(Affiliated to Dr.BRAU, Srikakulam)



Certificate Course on

Cross-cutting Issues in Nuclear Energy

This is to certify that Mr. **Arika Rajesh Kumar**, **III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



GOVT. DEGREE COLLEGE (MEN)

Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))

(Affiliated to Dr.BRAU, Srikakulam)



Certificate Course on

Cross-cutting Issues in Nuclear Energy

This is to certify that Mr. **Ch. Kranthi Kumar**, **III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



GOVT. DEGREE COLLEGE (MEN)

Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))

(Affiliated to Dr.BRAU, Srikakulam)



Certificate Course on

Cross-cutting Issues in Nuclear Energy

This is to certify that Mr. **Ch. Raja Sekhar**, **III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



GOVT. DEGREE COLLEGE (MEN)

Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))

(Affiliated to Dr.BRAU, Srikakulam)



Certificate Course on

Cross-cutting Issues in Nuclear Energy

This is to certify that Mr. **Donkana Jeevan Mahesh**, **III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with **"A" Grade**.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



GOVT. DEGREE COLLEGE (MEN)

Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))

(Affiliated to Dr.BRAU, Srikakulam)



Certificate Course on

Cross-cutting Issues in Nuclear Energy

This is to certify that Kum. **Gedela Gayathri**, III B.Sc. (MPCs), **Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with "A" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



GOVT. DEGREE COLLEGE (MEN)

Srikakulam, Andhra Pradesh, India-532001

(Accredited by NAAC B++ (CGPA:2.90))

(Affiliated to Dr.BRAU, Srikakulam)



Certificate Course on

Cross-cutting Issues in Nuclear Energy

This is to certify that Mr. **Goudo Sagaro, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



GOVT. DEGREE COLLEGE (MEN)

Srikakulam, Andhra Pradesh, India-532001

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Certificate Course on

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This is to certify that Mr. **Guvvada Hari Kiran, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



GOVT. DEGREE COLLEGE (MEN)

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Certificate Course on

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This is to certify that Kum. **Kallepalli Gayathri, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with **"A"** Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

Incharge Dept. of Physics

Sri M.V. Satyanarayana

Principal (I/C)



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Certificate Course on

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This is to certify that Mr. **Metta Mahesh Babu, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

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This is to certify that Mr. **Nagavamsapu Gopal, III B.Sc. (MPCs)**, **Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

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Course Coordinator

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This is to certify that Mr. **Savara Karthik, III B.Sc. (MPCs)**, **Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with **"A"** Grade.

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Course Coordinator

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This is to certify that Mr. **Savara Suresh, III B.Sc. (MPCs), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

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This is to certify that Kum. **Suru Bharathi**, III B.Sc. (MPCs), **Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with "A" Grade.

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Course Coordinator

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This is to certify that Mr./Kum. **Burru Vamsi**, **III B.Sc.(MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His/Her performance is credited with "**A**" Grade.

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This is to certify that Mr./Kum. **Arika Venkatesh, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His/Her performance is credited with "**A**" Grade.

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Course Coordinator

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This is to certify that Kum. **Gondur Vidya Rani**, III B.Sc.(MPC), **Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with "A" Grade.

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This is to certify that Kum. **Duppla Sireesha**, III **B.Sc.(MPC)**, **Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with "**A**" Grade.

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Certificate Course on

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This is to certify that Mr. **Jammana Sai Kumar**, **III B.Sc.(MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

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Course Coordinator

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Certificate Course on

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This is to certify that Mr. **Majji Dileep Kumar**, **III B.Sc.(MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

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This is to certify that Kum. **Paila Madhavi**, **III B.Sc. (MPC)**, **Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with "**A**" Grade.

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This is to certify that Mr. **Ravada Srinivas, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

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This is to certify that Kum. **Ravada Chandini**, **III B.Sc.(MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with "**A**" Grade.

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Certificate Course on

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This is to certify that Mr. **Sadi Barikayya, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His/Her performance is credited with "**A**" Grade.

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Certificate Course on

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This is to certify that Mr. **Savara Someswara Rao, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

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Course Coordinator

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This is to certify that Mr. **Tatta Minna Sankar Rao, III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

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Course Coordinator

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Incharge Dept. of Physics

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Certificate Course on

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This is to certify that Kum. **Vankala Rohini**, **III B.Sc. (MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with **"A"** Grade.

Sri Mohanarao Barri

Course Coordinator

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Certificate Course on

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This is to certify that Mr. **Vattam Lokesh, III B.Sc.(MPC), Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. His performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

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Certificate Course on

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This is to certify that Kum. **Yadla Usha Rani**, III **B.Sc.(MPC)**, **Govt. Degree College (Men), Srikakulam** got registered himself/herself for the Certificate Course on Cross-cutting Issues in Nuclear Energy, organized by the **Department of Physics** and completed the course programme during from **January 2023 to February 2023**. Her performance is credited with "**A**" Grade.

Sri Mohanarao Barri

Course Coordinator

Dr. G. V. S. Jayapala Rao

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