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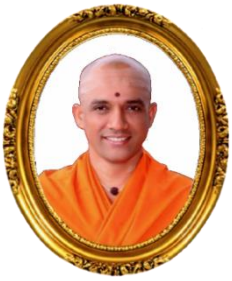

DEPARTMENT OF CIVIL ENGINEERING

STUDENTS SEMINAR PRESENTATION REPORT

SEMESTER	COURSES	DATE OF CONDUCTION
5TH "A"-CSE	ENVIRONMENTAL STUDIES & E-WASTE MANAGEMENT (BCS508)	15th NOVEMBER 2024
5TH "A"-ECE	ENVIRONMENTAL STUDIES (BESK508)	8th NOVEMBER 2024
7TH -ME, AE, AS	ENVIRONMENTAL PROTECTION & MANAGEMENT (21CV753)	22th NOVEMBER 2024 6th DECEMBER 2024

Course coordinator:

Dr. A SHASHI KUMAR

Associate Professor

Civil engineering Department

SJCIT, Chickballapur

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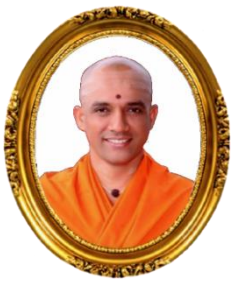


STUDENTS SEMINAR PRESENTATION REPORT

SEMESTER	COURSE	DATE OF CONDUCTION
5TH "A"-CSE	ENVIRONMENTAL STUDIES & E-WASTE MANAGEMENT (BCS508)	15th NOVEMBER 2024
5TH "A"-ECE	ENVIRONMENTAL STUDIES (BESK508)	8th NOVEMBER 2024
7TH -ME, AE, AS	ENVIRONMENTAL PROTECTION & MANAGEMENT (21CV753)	22th NOVEMBER 2024 6th DECEMBER 2024

Topic Covered:

SEMESTER	COURSE	STUDENTS STRENGTH	TOPIC COVERED
5TH "A"-CSE	EVS & E-WM (BCS508)	72	Waste management & E - Waste Management
5TH "A"-ECE	EVS (BESK508)	69	Environmental Legislation & Global Environmental Issues
7TH -ME, AE, AS	EP&M (21CV753)	81	Applications: Applications of EMS, Waste Audits and Pollution Prevention, Control & Environmental Audit

Course Coordinator:

Dr. Shashi Kumar A

Associate Professor

Department of civil engineering, SJCIT

Course outcomes of: 1. Environmental Studies & E-waste management (BCS508), Environmental studies (BESK508) & Environmental Protection and Management systems (21CV753)

Both courses aim to equip students with the knowledge and practical skills necessary for addressing environmental issues, promoting sustainability, and effectively managing natural resources.

COURSE OUTCOMES OF ENVIRONMENTAL STUDIES & E-WASTE MANAGEMENT

Environmental studies provide a foundation for understanding the interaction between human activities and the natural environment. The key outcomes include:

Enhanced Environmental Awareness

Understanding environmental issues such as climate change, deforestation, pollution, and loss of biodiversity.

- Fostering sustainable behaviour and practices.

2. **Informed Decision-Making**

- Enabling individuals and policymakers to make choices that consider environmental impact.
- Encouraging the adoption of renewable energy and sustainable practices in industries and communities.

3. **Conservation of Natural Resources**

- Promoting the efficient use of water, energy, and other natural resources.
- Encouraging preservation of ecosystems and wildlife habitats.

4. **Understanding Environmental Policies**

- Providing knowledge of national and global environmental policies and frameworks.
- Encouraging advocacy for stricter environmental regulations.

5. **Sustainability Education**

- Encouraging intergenerational learning about sustainable practices.
- Promoting the use of green technologies and reducing ecological footprints.

E-waste management refers to the proper handling, disposal, and recycling of discarded electronic devices. Effective e-waste management has several outcomes:

1. **Reduced Environmental Pollution**

- Minimizing the release of toxic substances such as lead, mercury, and cadmium into the environment.
- Preventing soil and water contamination from improperly disposed electronics.

2. **Resource Recovery and Recycling**

- Extracting valuable materials like gold, silver, copper, and rare earth metals from e-waste.
- Reducing the demand for virgin materials and lowering environmental costs of mining.

3. **Health and Safety Benefits**

- Protecting communities from hazardous chemicals found in e-waste.
- Reducing health risks to workers involved in informal e-waste recycling.

4. **Economic Opportunities**

- Creating jobs in the recycling, refurbishing, and resale industries.
- Supporting circular economy practices.

5. **Sustainable Development**

- Supporting goals for sustainability by reducing landfill waste.
- Encouraging technological innovation for eco-friendly electronic products.

6. **Awareness and Education**

- Promoting responsible consumer behaviour regarding disposal and recycling of electronics.
- Encouraging manufacturers to adopt extended producer responsibility (EPR) programs.

In conclusion, both environmental studies and e-waste management contribute significantly to sustainable development by promoting responsible environmental stewardship, reducing waste, and encouraging sustainable practices for a better future.

Environmental Protection & Management Outcomes:

1. Biodiversity Conservation

- Preservation of endangered species and habitats.
- Increased biodiversity in ecosystems through restoration projects.
- Reduction in species extinction rates.

2. Improved Air and Water Quality

- Reduction in air pollutants (e.g., carbon monoxide, sulfur dioxide, particulate matter).
- Improved water quality in rivers, lakes, and oceans.
- Mitigation of contamination in groundwater and surface water systems.

3. Climate Change Mitigation

- Reduction in greenhouse gas emissions through renewable energy adoption and efficiency programs.
- Increased carbon sequestration via reforestation and soil management practices.
- Development and implementation of climate-resilient infrastructure.

4. Land and Soil Management

- Prevention of soil erosion and desertification.
- Enhanced soil fertility and productivity through sustainable agricultural practices.
- Reclamation and rehabilitation of degraded lands.

5. Waste Management and Reduction

- Decreased landfill waste through recycling and composting initiatives.
- Reduced plastic and hazardous waste in ecosystems.
- Adoption of circular economy principles, promoting reuse and sustainable product design.

6. Sustainable Resource Use

- Efficient use of water, energy, and raw materials.
- Promotion of renewable energy sources to reduce dependency on nonrenewable resources.
- Establishment of sustainable fisheries, forestry, and agricultural practices.

7. Public Health Benefits

- Lower incidence of diseases linked to pollution (e.g., respiratory and waterborne illnesses).
- Safer living environments due to reduced exposure to toxins and pollutants.
- Enhanced quality of life in communities through cleaner air and water.

8. Economic Advantages

- Growth of green jobs in renewable energy, conservation, and environmental technology sectors.
- Cost savings from reduced healthcare expenditures and disaster mitigation.
- Economic resilience through sustainable development practices.

9. Community Engagement and Awareness

- Increased public participation in environmental decision-making processes.
- Greater awareness and behavioral changes towards sustainability.
- Development of educational programs to promote conservation.

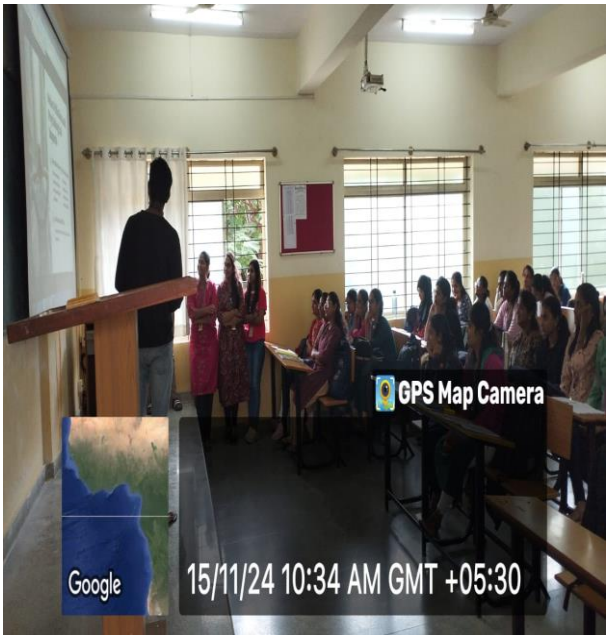
10. Global Environmental Impact

- Contributions to international efforts, such as the United Nations Sustainable Development Goals (SDGs).
- Enhanced cooperation among nations to address transboundary environmental issues.

- Alignment with global treaties, such as the Paris Agreement and the Convention on Biological Diversity.

By regularly monitoring and assessing these outcomes, governments, organizations, and individuals can ensure that environmental protection and management strategies are effective and adapt to evolving challenges.

PHOTOGALLARY OF SEMINAR PRESENTATION -CSE DEPARTMENT



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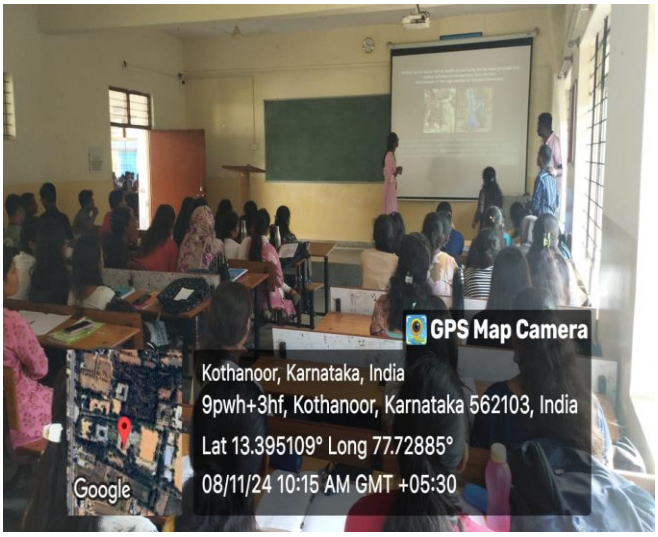
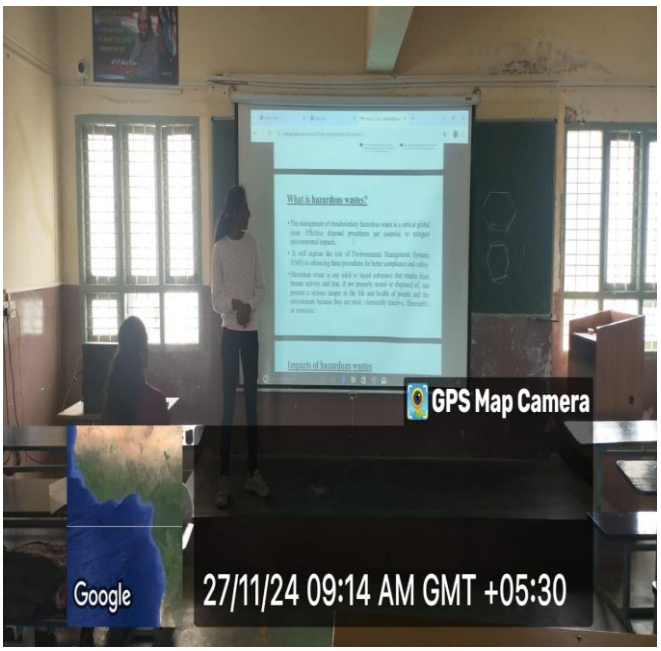


PHOTOGALLARY OF SEMINAR PRESENTATION -ME, AE & AS DEPARTMENT


What is hazardous wastes?
Impacts of hazardous wastes
GPS Map Camera
Google
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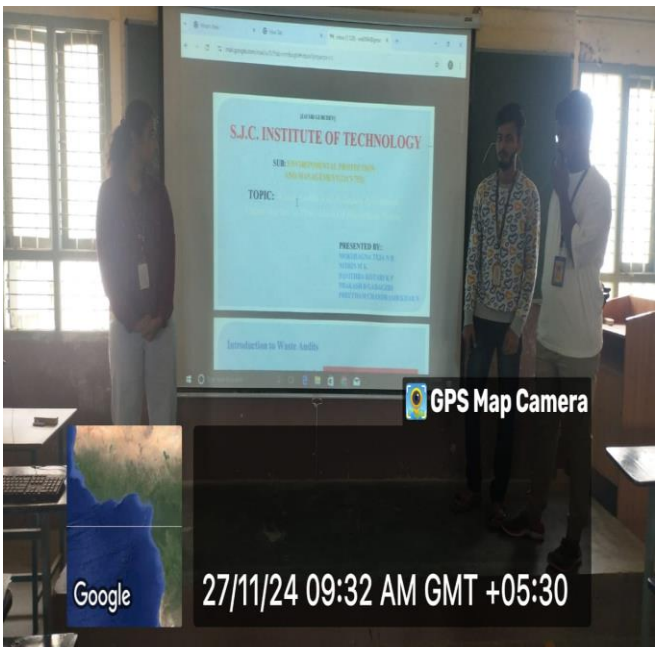
S.J.C. INSTITUTE OF TECHNOLOGY
TOPIC:
Introduction to Waste Audits
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Sjcit Admin Block, Chikkaballapur, Kothanoor, Karnataka 562103, India
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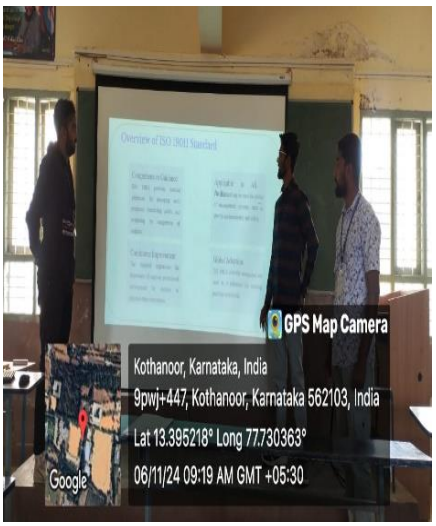
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S.J.C. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
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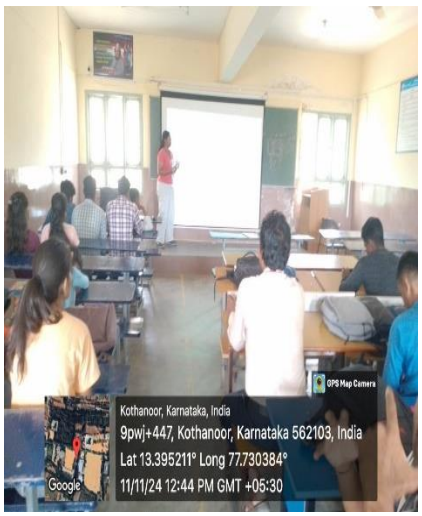
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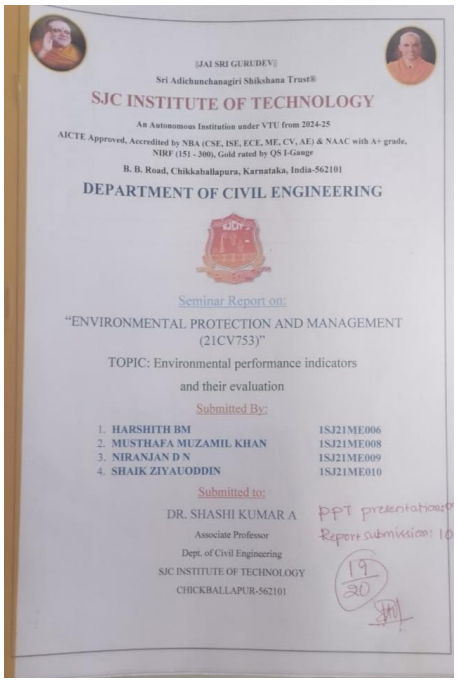

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DEPARTMENT OF CIVIL ENGINEERING

Seminar Report on:

"ENVIRONMENTAL PROTECTION AND MANAGEMENT (21CV753)"

TOPIC: Environmental performance indicators and their evaluation

Submitted By:

1. HARSHITH BM	1SJ21ME006
2. MUSTHAFA MUZAMIL KHAN	1SJ21ME008
3. NIRANJAN D N	1SJ21ME009
4. SHAIK ZIYAUODDIN	1SJ21ME010

Submitted to:

DR. SHASHI KUMAR A

Associate Professor

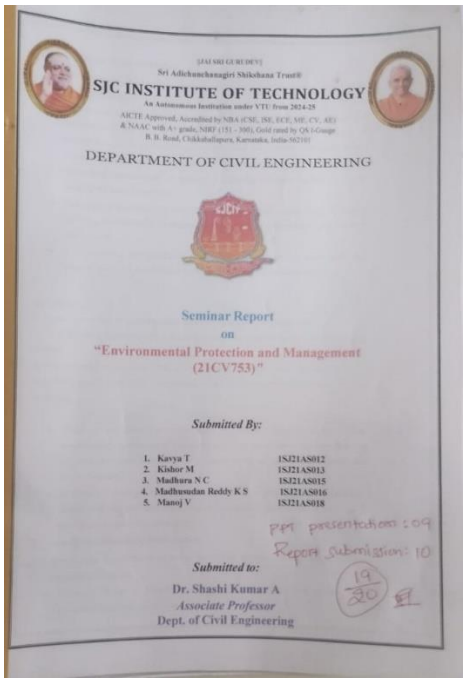
Dept. of Civil Engineering

SJC INSTITUTE OF TECHNOLOGY

CHICKBALLAPUR-562101

PPT presentation: 09
Report submission: 10

19/20



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B. B. Road, Chikkaballapura, Karnataka, India-562101

DEPARTMENT OF CIVIL ENGINEERING

Seminar Report

on

"Environmental Protection and Management (21CV753)"

Submitted By:

1. Kavya T	1SJ21AS012
2. Kishor M	1SJ21AS013
3. Madhura N C	1SJ21AS015
4. Madhusudan Reddy K S	1SJ21AS016
5. Manoj V	1SJ21AS018

PPT presentation: 09
Report submission: 10

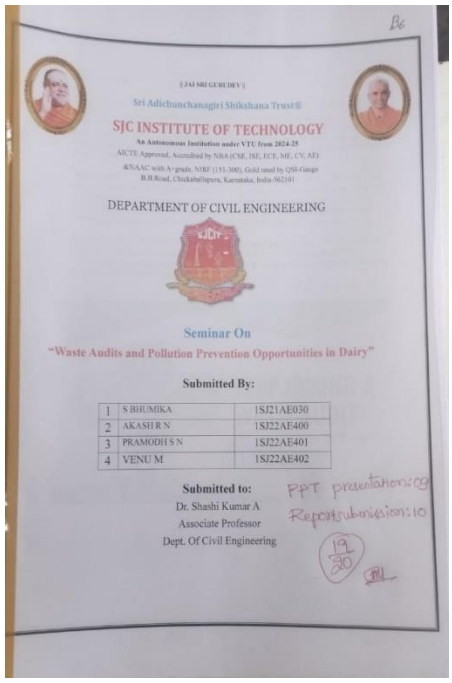
19/20

Submitted to:

Dr. Shashi Kumar A

Associate Professor

Dept. of Civil Engineering



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B.B.Road, Chickaballapura, Karnataka, India-562101

DEPARTMENT OF CIVIL ENGINEERING

Seminar On

"Waste Audits and Pollution Prevention Opportunities in Dairy"

Submitted By:

1	S BHUMIKA	1SJ21AE030
2	AKASH R N	1SJ22AE400
3	PRAMODH S N	1SJ22AE401
4	VENU M	1SJ22AE402

Submitted to:

Dr. Shashi Kumar A

Associate Professor

Dept. Of Civil Engineering

PPT presentation: 09
Report submission: 10

19/20

Batch-01

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DEPARTMENT OF CIVIL ENGINEERING

Seminar Report

on

"Solid Waste Management, types and sources, functional elements of SWM"

Submitted By:

Mr. / Ms. STUDENTS NAME

(USN)

1.Aditya.G	1SJ22CS001
2.Aditya Teja.C	1SJ22CS002
3. Aditya Saroha	1SJ22CS003
4.Aishwarya.K.R	1SJ22CS004
5.Aishwarya Lakshmi.D.M	1SJ22CS005

PPT presentation: 09
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31/12/24

Submitted to:

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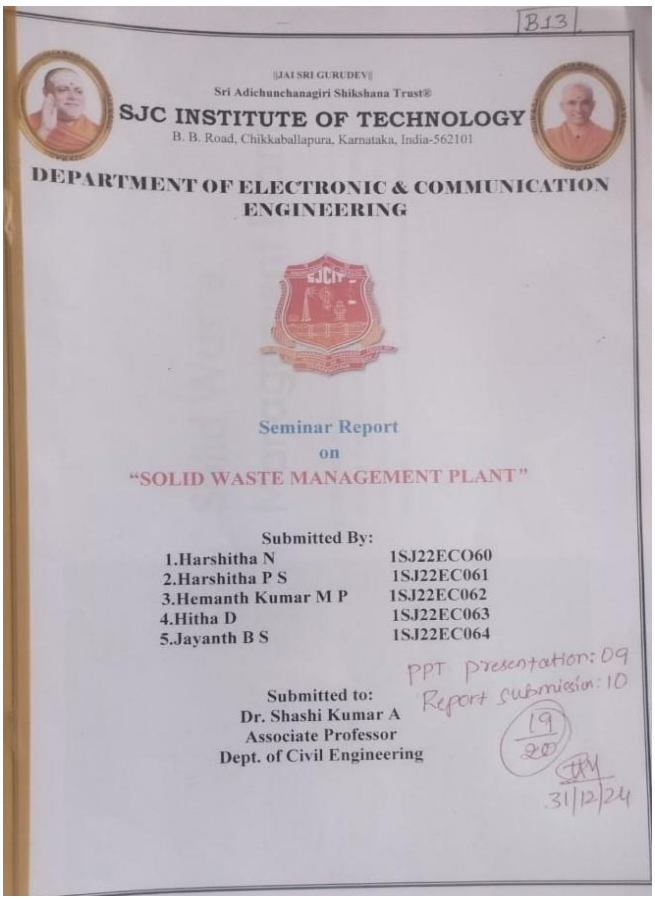
Dept. of Civil Engineering



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DEPARTMENT OF ELECTRONIC & COMMUNICATION ENGINEERING

Seminar Report

on

"SOLID WASTE MANAGEMENT PLANT"

Submitted By:

1.Harshitha N	1SJ22ECO60
2.Harshitha P S	1SJ22EC061
3.Hemanth Kumar M P	1SJ22EC062
4.Hitha D	1SJ22EC063
5.Jayanth B S	1SJ22EC064

Submitted to:

Dr. Shashi Kumar A

Associate Professor

Dept. of Civil Engineering

PPT presentation: 09
Report submission: 10

19/20

31/12/24

Gap Identified:

For the better understanding of concepts, the subject & to Acquirement of Knowledge in a Particular Field, Seminars provide a chance to interact with each other from the specific field. Discussing about the relevant topics of the particular subject, students tend to learn about the latest information and new skills related to the concerned subject.

CO3- Develop, Implement, maintain and Audit Environmental Management systems for Organizations

CO4-Solve sewage and industrial effluent issues

The students learning outcomes are:

1. Students will develop and evaluate ideas and arguments;

2. Students will identify and articulate assumptions that underlie an idea, argument, or creative work.

They will also improve their: 1. Presentation Skills 2. Discussion Skills 3. Listening Skills

4. Argumentative Skills and Critical Thinking 5. Questioning 6. Interdisciplinary Inquiry

7. Engaging with Big Questions 8. Studying Major Works

Relevant Po's

PO6: The Engineer and Society, PO7: Environment and Sustainability, PO10: Communication,

Course coordinator