ENGINEERING

3.8.2020

JUNE

19 Thursday

170-195 • WK 25

CSE548 ENVIRONMENTAL SCIENCE AND TECHNOLOGY

TAUGHT BY

- prof. RC prasad

COURSE TOPICS

1. basics of environmental science & technology
   - comprehend environment and its issues
   - environmental problems & challenges
   - environmental events
   - environmental movements

2. climate change
   - earth components
   - climate system
   - climate feedback loops
   - climate impact on environment

2014

JULY

1 Tuesday

182-183 • WK 27

LETTER TO EIA2020 INDIA

3.8.2020

JUNE 2014

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- unexpected climate changes
- climate models

3. CO_2, environmental stress, mitigation.
- impact on vegetation
- carbon sequestration methods
  - vegetation
  - ocean
  - geological sequestration
- IPCC
- clean development mechanisms

4. environmental impact assessment
- procedure
- regulations and case studies

2014

3.8.2020

3 JULY

Wednesday 2

WK 27 • 183-182

AUGUST 2014

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5. environment and information technology

- green computation
- green energy
- green engineering & technology
- e-waste disposal mechanism
- impact on health

6. environmental legislation & impact assessment.

- important legislations related with environment.
- environmental auditing
- environmental ethics

7. role of geospatial technology

- in assessing environmental degradation.

8. environmental economics

- basics of economics

2014

3.8.2020

JULY

3 Thursday

184-181 • WK 27

JUNE 2014

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- green accounting
- evolution of process
- history
- case studies
- accounting of goods & services
- sustainability concepts - weak & strong
- hicksian income concept and green accounting.

TEXT BOOKS

1. environmental science - the natural environment and human impact. (1998).
2. environmental science. (2001)
3. environmental science. (1997)
4. dimensions of environmental & ecological economics (2005).
5. introduction to environmental sciences. (2012).
6. environmental science. (2006).

2014

3. 8. 2020
5

JULY

Friday 4

WK 27 • 185-180

AUGUST 2014

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7. introductory climate science; global warming explained. (2016).

8. global trends & patterns in carbon mitigation. (2015).

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