

**GREEN SKILL DEVELOPMENT – MoEFCC, GOI | 2017**  
**Environmental Management 3+0@ CCE, IISc**

Environment Management: e-sessions	14 Sept to 16 November 2017
Project Implementation	17 November – 5 December 2017
Final Contact Session	22-27 Dec 2017

**FINAL SESSION: Class Schedule: 9 am to 7 pm (IISc time)**

Dates	Final Contact Session
22-24 December 2017	Presentation of Dissertation, Guest lectures
24-26 December 2017	Presentation of 10 chapters by participants
27 December 2017	Final Exam
25 <sup>th</sup> January 2017	Announcement of Results
5 <sup>th</sup> March 2017	Dispatch of graded certificates by CCE office

**Course: Environmental Management 3+0**


Department: **Centre for Continuing Education** (<http://cce.iisc.ernet.in>)

Final Contact Session: 22-27 December 2017

**Course URL:** <http://wgbis.ces.iisc.ernet.in/em2017/login.php>


**Course Details (Announcement, etc.)**

[http://wgbis.ces.iisc.ernet.in/energy/distance\\_education\\_courses/internet-course-2017/index.php](http://wgbis.ces.iisc.ernet.in/energy/distance_education_courses/internet-course-2017/index.php)

	<p><b>Dr. T. V. Ramachandra</b>                  Energy and Wetlands Research Group, TE 15                  Center for Ecological Sciences, New Biology Building, Near D Gate  <b>Indian Institute of Science</b>, Bangalore 560012                  Web: <a href="http://wgbis.ces.iisc.ernet.in/energy">http://wgbis.ces.iisc.ernet.in/energy</a>  <a href="http://wgbis.ces.iisc.ernet.in/biodiversity">http://wgbis.ces.iisc.ernet.in/biodiversity</a>  <a href="https://www.researchgate.net/profile/T_V_Ramachandra/publications">https://www.researchgate.net/profile/T_V_Ramachandra/publications</a>  <a href="https://scholar.google.co.in/citations?user=Woh1fa8AAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=Woh1fa8AAAAJ&amp;hl=en</a>                  Web: <a href="http://cce.iisc.ernet.in">http://cce.iisc.ernet.in</a>, Email: <a href="mailto:emram.ces@iisc.ac.in">emram.ces@iisc.ac.in</a>                  Phone: 91-080-22933099/22933503 extn 107</p>
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**Reference Book:**

Vijay Kulkarni and Ramachandra T.V., 2009. Environmental Management, Commonwealth Of Learning, Canada and Indian Institute of Science, Bangalore, Printed by TERI Press, New Delhi.

	<p>Author: <b>Vijay Kulkarni and T V Ramachandra</b>                  Year: 2009                  Size: 18.4 x 24 cm; 375pp; (Hardbound)                  Language: English                  ISBN: 978-81-7993-184-4                  Cover price: <b>Rs 550.00 / US \$112.00</b>                  Special price: <b>Rs 495.00 / US \$101.00</b></p>
Available on line: <a href="http://bookstore.teriin.org/book_inside.php?material_id=557">http://bookstore.teriin.org/book_inside.php?material_id=557</a>	

1. **Internet Sessions:** Discussion of 10 chapters through Chat session moderated by respective participants **Dates finalized during the first contact session**

Dates, time (7.30-8.30 pm, 19:30 – 20:30 hrs.)	Chapters	Moderator I	Moderator II
14 & 15 <sup>th</sup> Sept.	1	Bhargavi R AsuriDeepika,	JeyaKumar M A, Siddarth Pai K
21 & 22 <sup>th</sup> Sept.	2	Kumar Rajnish, Prajoditha Panjaksharam	Priyank Patel, Suraj Srinivas Sagar
28 & 29 <sup>th</sup> Sept.	5	Pattajoshi P K Manaswini Rath,	Manish Chaturvedi,
5 & 6 <sup>th</sup> Oct.	6	Prasanna Venkatesh N, Suraj Srinivas Sagar	Bhargavi R,
12 & 13 <sup>th</sup> Oct.	7	Uthra Sowrirajan, Venodha P M,	Vishal Tirkey
19 & 20 <sup>th</sup> Oct.	8	Aditi Gole, Ambika Mam	Pranab Kishor Mohapatra, Umesh Mishra
26 & 27 <sup>th</sup> Oct.	9	Amman Ahmed Siddiqui, Revathy A,	Ruthvik K R,
2 & 3 <sup>rd</sup> Nov.	10	Shreya Dubey, Siddarth Pai K,	Anbunathan K Subhasmita Guru
9 & 10 <sup>th</sup> Nov.	3 & 4	Kumar Rajnish, Priyank Patel	Sudeshna Gupta, Bhavya
16 & 17 <sup>th</sup> Nov.	3 & 4	Sudeshna Gupta, Bhavya	Kumar Rajnish, Priyank Patel

2. **Role of moderators:** (i) Co-ordinate respective sessions and ensure fruitful discussion without much deviation, (ii) announcement of assignment (one /two questions per session), (iii) evaluation – based on the activity level during e-session (contributions towards subject knowledge), assignment evaluation, response to queries during e-sessions and punctuality. Evaluation marks to be mailed to [emram.ces@iisc.ac.in](mailto:emram.ces@iisc.ac.in); [sincyv@iisc.ac.in](mailto:sincyv@iisc.ac.in); [asulabhas@iisc.ac.in](mailto:asulabhas@iisc.ac.in)
3. **Assignments:** At the end of each chat session, an assignment would be announced (by the respective moderators) to be submitted as email attachment within a week (From the announcement date) – submission email: [emram.ces@iisc.ac.in](mailto:emram.ces@iisc.ac.in); [sincyv@iisc.ac.in](mailto:sincyv@iisc.ac.in); [asulabhas@iisc.ac.in](mailto:asulabhas@iisc.ac.in) (WITH cc TO THE RESPECTIVE MODERATORS)
4. **Tests:** Quiz with random questions would be arranged once we complete significant number of chapters (after 4/5 chapters)

**5. Projects** (Titles finalized during the midterm contact session – 5 Sept 2017)  
**(To be implemented during 17 November – 5 December 2017)**

<b>Candidate</b>	<b>Dissertation title</b>
Aditi Gole	Life cycle assessment of biomedical waste.
Ambika Mam	Designing of Spatial Decision Support System (SDSS) for environmental information in India
Amman Ahmed Siddiqui	LCA Analysis - Innovation in T and D (power) (comparison of overhead and underground cabling)
Anbunathan K	Life cycle assessment of mobility vehicle (comparative assessment of electric, LPG, biofuel, petrol and diesel)
Asuri Deepika	Waste water treatment in “Bhuvaneshwar”
Bhargavi R	Optimal bioethanol production from seaweeds through biological route.
Bhavya	Critical Evaluation of learning material used for Environmental Management course in Indian Institute of Science.
JeyaKumar M A	LCA of desalination of water for drinking in Dubai (with advantages and disadvantages).
Kumar Rajnish	Gaps in EIA, critical evaluation of EIA process, policy, implementation and monitoring.
Manaswini Rath	Temporal land use changes due to open cast mining in India.
Manish Chaturvedi	Environmental Auditing of Coal extraction
Pattajoshi P K	Environmental auditing of Aluminium industry (Special reference to waste management)
Prajoditha Panjaksharam	SEA of industrial zone in Hosur.
Pranab Kishor Mohapatra	Environmental profiling of Mahanadi focusing on temporal changes, causes and remediation.
Prasanna Venkatesh N	Urbanization pattern in Trichy (Focus on River Cauvery)
Priyank Patel	Sustainable management of wetland in Kolkata (considering the recent and upcoming projects)
Revathy A	Environmental Performance of environmental friendly architectures (Arovile) in Pondicherry
Ruthvik K R	Environmental profiling of Krishnagiri district (emphasis on elephant corridor)
Shreya Dubey	Environmental profiling of glass façade building v/s green building.
Siddarth Pai K	Spider diversity of Indian Institute of Science campus with 10km buffer.
Subhasmita Guru	Environmental auditing of sugar industry waste management.
Sudeshna Gupta	Status of wetland in Kamrup (Physico-chemical characterization)
Suraj Srinivas Sagar	Environmental Auditing of electrical implements Industry (Molex industry)
Umesh Mishra	Environmental profiling of Agartala city using 4 decade of RS data
Uthra Sowrirajan	E-waste management (Scope for improvements towards implementation after environment rule 2016)
Venodha P M	Reduction of carbon footprint in Delhi transport sector.
Vishal Tirkey	Environmental profiling of Ranchi city.

Last date for submission 5 Dec 2017 (e-version to email [emram.ces@iisc.ac.in](mailto:emram.ces@iisc.ac.in), [sincyv@iisc.ac.in](mailto:sincyv@iisc.ac.in), [asulabhas@iisc.ac.in](mailto:asulabhas@iisc.ac.in) )

**Format for Dissertation**

**Format for Dissertation**

Title

Author

Summary

Keywords

Introduction

Literature Review

Objectives

Methods

Study Area

Results

Discussion

Scope for further work

Conclusions

Acknowledgement

References

**Journal Article:** Author/s, year, Title of the article, Journal title, Vol (Issue), Page no's

**Book:** Author/s, year, Title of the book, publisher, place

Vijay Kulakarni and Ramachandra, T.V. 2009, *Environmental Management*, Commonwealth of Learning, Canada and IISc, Printed by TERI Press New Delhi

Note: the report be submitted in e-version as well as one hard copy (no plastics for cover page, etc.)

**GOOD LUCK**

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**Final contact Session –22-27 December 2017**

**Final Exam: 27 December 2017 (1 30 to 4 30 pm)**

**Venue: CCE Lecture Hall (next to IISc Students' Hostel office, NEASRA)**

**Indian Institute of Science**

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