

Course: Environmental Management 3+0

1st September to 27th December 2012

Co-coordinator: Dr. T. V. Ramachandra
Energy and wetlands Research Group
Center for Ecological Sciences
Indian Institute of Sciences
Bangalore 560012

Web: <http://wgbis.ces.iisc.ernet.in/energy>
<http://wgbis.ces.iisc.ernet.in/biodiversity>

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Administration: 2293 2247/22932491 (Ms.Vatsala)

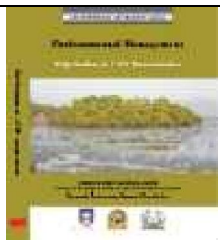
Course URL: <http://wgbis.ces.iisc.ernet.in/em2012>

Course Details (Announcement, etc.)

http://wgbis.ces.iisc.ernet.in/energy/distance_education_courses/internet_course_2012/index.htm

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, NewDelhi.

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

Please procure this publication quickly. The chapters are in self- learning format.

Important Dates

Contact Session	1-5 th September 2012
Midterm exam	6 th Sept 2012
Internet sessions	October/November 2012
Final Contact session	22 nd – 27 th December 2012
Final Exam	26 th December 2012

Course Announcement: <http://wgbis.ces.iisc.ernet.in/energy>

Course Schedule:

**Venue: L 10 Lecture Hall Complex, Centre for Continuing Education
Indian Institute of Science
Registration: August 2012**

Class Schedule: 9 am to 6 pm

1-5 th September 2012 6 th Sept 2012	First contact Session, Mid term Exam
October to November 2012	E-learning: Chat session, E mail, Interaction through discussion via E mail
22-27 th December 2012	Presentation of 10 units by participants (22-23 Dec 2012), Project presentation by participants (24-25 th Dec 2012), Final Examination (26 th Dec 2012)

E. Tutors:

	E Mail	Role Internet – chat session, etc.
Dr. T. V. Ramachandra	ram@ces.iisc.ernet.in	Co-ordinator
Durga Madhab Mahapatra	durgamadhab@ces.iisc.ernet.in	Subject Expert
Uttam Kumar	uttam@ces.iisc.ernet.in	Subject Expert
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Rajasri Ray	rajasri@ces.iisc.ernet.in	Subject Expert
Vishnu Bajpai	bajpai@ces.iisc.ernet.in	E-Tutor
Vatsala	vatsala@cce.iisc.ernet.in office@cce.iisc.ernet.in	Administration

Internet Course:

Environment Management (3:0), Aug - Dec 2012

Programme Outline

1. **First Contact Session** : 1st to 6th Sept 2012, Topics Covered: All ten chapters, Guest lectures – Urban solid waste management, Processing techniques, aquatic ecosystems monitoring – diatoms, economic valuation, landscape ecology, unplanned urbanization and consequences on the local environment, Mid term exam

2. **Accommodation: All outstation participants will be accommodated at Hoysala Guest House, IISc Campus**

(Phone: 080 2292535 / 22932247)

Gates closer to Hoysala Guest House:

(You may enter from the Main gate or D – Gate (Mathikere road))

(CCE Lecture Hall is about 5 minutes' walk from Hoysala Guest house)

3. **Internet Session:** Discussion of 10 chapters through Chat session moderated by respective participants

Dates, time (7 - 8.30 pm, 19.00 – 20.30 hrs)	Chapters	Moderator I	Moderator II
20-Sept-2012 21- Sept -2012	1	Setturu Bharath, Bhuvaneswari E N Reddy, Chaturved Shet R	Setturu Bharath
27-Sept-2012 28- Sept -2012	2	Randhir Singh, Chirag Kalra, Ananda Kumaran Sekar	Sudarshan P
04-Oct-2012 05-Oct-2012	3	Konoragunta Omkar Babu, Aher Swapnil Vasantrao, Rajiv Sheetalprasad Mishra, Sadhna Verma	Gouri Kulkarni
11-Oct-2012 12-Oct-2012	4	Rajesh S, Sunil Rodrigues, Mithila Subhash Bhat	Gouri Kulkarni
18-Oct-2012	5	Shruti Handa,	Sudarshan P

19-Oct-2012		Nandita Upadhyay, Amrita Talapatra, Raja Sekhar Samudrala	
25-Oct-2012 26-Oct-2012	6	Yogitha Makam, Purab Shrivastava, Kamath Mahendra H S,	Setturu Bharath
01-Nov-2012 02- Nov -2012	7	Somesh M U, Neeraj Kumar, Umashankar Gantayat	Gouri Kulkarni
15-Nov-2012 16- Nov -2012	8	Ellen Brock, Amrit Kumar Mishra, Ipsita Roy	Sudarshan P
22-Nov-2012 23- Nov -2012	9	Manjunath G, Ajay Kumar, Mahesh S, Kamath Mahendra H S	Gouri Kulkarni
29-Nov-2012 30- Nov -2012	10	Mahesh S, Sudarshan P, Gouri Kulkarni, Manimuthu M	Setturu Bharath

4. **Assignments:** At the end of each chat session, an assignment would be announced to be submitted as email attachment within a week (From the announcement date).
5. **Tests:** Quiz with random questions would be arranged once we complete significant number of chapters (after 4/5 chapters)
6. **Projects** (Titles will be finalized during the midterm contact session)

Candidate	Dissertation title
Aher Swapnil Vasantrao	LCA of printing and packaging
Ajay Kumar	Role of algae and macrophyte in treating waste water
Amrit Kumar Mishra	Ecological assessment of Seaweed cultivation
Amrita Talapatra	Environmental profile of Kolkata (Includes visualization and modeling)
Ananda Kumaran Sekar	Plastic to methanol: prospects
Bhuvaneswari E N Reddy	Ecodevelopment of RK Mission campus (600 acres): Approaches
Chaturved Shet R	Butterfly and Bird diversity in R K Mission campus

Chirag Kalra	Waste management of a IT Industry (solid + liquid)
Ellen Brock	Environmental and social aspects of R K Mission campus
Gouri Kulkarni	Carbon footprint of Bangalore
Ipsita Roy	Environmental profile of Jaipur city
Kamath Mahendra H S	Environmental profile of Lavasa
Konoragunta Omkar Babu	GM crops and biodiversity
Mahesh S	Carbon footprint of Ships
Manimuthu M	Water quality (surface,. Ground and tap water) status of Coimbatore
Manjunath G	Prospects of water harvesting in R K Mission campus
Mithila Subhash Bhat	Valuation of Mandovin estury (with quality parameters)
Nandita Upadhyay	Environmental auditing of cement industry
Neeraj Kumar	Environmental auditing of Tyre industry
Purab Shrivastava	Environmental profile of Pune
Raja Sekhar Samudrala	Valuation of Chirala estury
Rajesh S	Bioremediation of petroleum effluent
Rajiv Sheetalaprasad Mishra	Environmental auditing of soap and toothpaste industry
Randhir Singh	Environmental auditing of Infrastructure project (Jammu)
Sadhna Verma	Environmental profiling and people's livelihood in the vicinity of Korba thermal plant
Setturu Bharath	Landscape dynamics of Uttara Kannada
Shruti Handa	Waste water treatment through algae
Somesh M U	Comparative assessment of water (natural, treated)
Sudarshan P	Status of kans (sacred grooves) and vegetation dynamics in Shimoga district, Karnataka
Sunil Rodrigues	Environmental auditing of automobile sector
Umashankar Gantayat	Renewable energy potential of R K Mission campus (Bioenergy and Solar)
Yogitha Makam	Environmental auditing of Transport sector in Bangalore

Last date for submission 5th Dec 2012

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.)

Final contact Session: – 22nd – 27th December 2012

Venue: L 10 Lecture Hall Complex, Centre for Continuing Education

Indian Institute of Science

Class Schedule: 9 am to 6 pm

Dates	Activities
22 nd Dec 2012	Presentation of chapters
23 rd Dec 2012	Presentation of chapters
24 th Dec 2012	Project Presentation of Dissertation, Guest lectures
25 th Dec 2012	Project Presentation of Dissertation, Guest lectures
26 th Dec 2012	Final Exam
27 th Dec 2012	Interactive session at R K Mission, Shivanahalli
25 th Jan 2013	Announcement of Results
5 th Mar 2013	Dispatch of graded certificates by CCE office

Contact person: For certificate, Accommodation

Ms.Vatsala (22932247)

vatsala@cce.iisc.ernet.in

office@cce.iisc.ernet.in

Accommodation arrangements:

At Hoysala House Phone number 22932535

**Hoysala Guest House - Behind Physics Department, IISc Campus,
Bangalore-12 (Phone 22932535)**

Route Map

http://wgbis.ces.iisc.ernet.in/energy/lake2010/Hoysala%20GH_map.JPG

General Info - How to reach IISc

<http://wgbis.ces.iisc.ernet.in/energy/lake2010/information.htm>

http://www.iisc.ernet.in/content_geninfohowtoreach.html

How to reach IISc from the Airport/Railway station /Majestic?

Bangalore is connected by air, rail and road to all the metropolises and most major cities of the country. Also, one can fly direct to Bangalore from several international airports

IISc is about 35kms from the airport. One could take either a prepaid taxi (currently, costs Rs. 750, and the counter is available near the exit of the Airport Building), or a city taxi (costs about Rs. 500, and a queue for the same is just outside the airport building). The Institute is known as "Tata Institute" to the locals and is just past Mekhri circle and on the way to Yeshwantpura (one must take a right turn at Mekhri circle). [Shuttle bus service](#), operated by Bangalore Metropolitan Transport Corporation (BMTC), runs from the airport to various areas in Bangalore city every 15 minutes. Details of the schedule can be found [here](#). Additional information on the airport can also be found at its official website: (<http://www.bengaluruairport.com/>)

The city railway station is about 7 kms from IISc campus. One will have to get out of the station from platform number ONE and reach the prepaid taxi stand and hire a city taxi (costs about Rs 150). Majestic (7kms from IISc) is the central Bus stand in Bangalore which is just opposite to the City Railway station. If one happens to reach Majestic, Bangalore by bus, reach platform number 22 from where almost all buses come to the Institute.

If one plans to take a bus into town, one will have to move past Malleswaram 18th cross bus stand towards Yeshwantpura in order to reach IISc (also popularly called Tata Institute). There is also a bus stop on the highway between the yellow over bridge and Prof. CNR Rao circle, and another one at Prof. CNR Rao circle (on Sir CV Raman Road). Finally there is a bus stop at Yeshwantpura tollgate, just off campus near R block. Most buses go to one of these places.

>> [Click here](#) to view the route map

Take assistance from [Google map](#)