

GREEN SKILL DEVELOPMENT PROGRAMME (GSDP 2020), GOVERNMENT OF INDIA,

THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE (MoEF&CC), ENVIRONMENTAL INFORMATION SYSTEM [ENVIS],

Sahyadri: Western Ghats Biodiversity Information System, Centre for Ecological Sciences, Indian Institute of Science, Bangalore - 560012

COURSE REGISTRATION: 1-01-2020, 8 30 AM **Venue:** 1st January -15th January 2020, CCE Lecture Hall [behind JRD Tata Library (Main Library), Next to IISc Students' Hostel and NESARA RESTAURANT], IISc Campus, Phone 080-22933099/2293 3503 (extn 101/107)

Date	9-10.30AM		11-1 NOON		2-4 PM		4.30-6.30 PM
1-01-2020	Introduction	T	Ecosystem - basics	L	Spatial Analyses	T	Spatial Analyses (Hands on session)
2-01-2020	Spatial Analyses (GIS)	E	Spatial Analyses (GIS)	U	Vector Analyses	E	Vector Analyses (Hands on session)
3-01-2020	Spatial Analyses	A	Spatial analyses	N	Expert talk	A	Biodiversity-ecosystem goods and services
4-01-2020	Forest Ecosystems, Biodiversity: Introduction,			C	Vegetation sampling, biodiversity documentation, mapping		
5-01-2020	Forest Ecosystem goods and services			H	Terrestrial Plants Identification (theory and field)		
6-01-2020	Birds		Butterflies		Birds, Butterflies: Ecosystem services		Field – Butterflies with birds
7-01-2020	Services: Pollination and seed dispersal				Aquatic Ecosystem Goods and services (rivers)		
8-01-2020	Aquatic Ecology (water quality, algae, fish..)				Macrophytes		Macrophytes: Goods and services
9-01-2020*	Field ecology (Terrestrial: vegetation sampling, carbon estimation, oxygen, birds, butterflies; Aquatic ecology: water quality, macrophytes, fish, algae...)						
10-01-2020	Aquatic Ecology (Goods and services)				Soil (Type, Quality, proximate analyses, Goods and services)		
11-01-2020	Terrestrial ecosystems (Carbon Sequestration, LST)				Coastal ecosystems (biodiversity, sampling, goods and services)		
12-01-2020	Natural Capital accounting (population, livestock,..)				Human-made ecosystems (agriculture, horticulture..)		
13-01-2020	Forest Ecosystems (goods and services)				Valuation of Ecosystems – Goods and services		
14-01-2020	District wise – data integration and analyses				Spatial Analyses and report preparation		
15-01-2020	Candidates - District wise Presentations				Final exam		Concluding Session

Expert lecture (focuses on case studies)*9 January 2020, venue may be at R K Mission, Shivanhalli (Near BNP) about 55 km from IISc (Needs to pay Rs 200 per person - to hand over to R K Mission- Please pay at registration desk)

Accommodation of Outstation Participants: (i) Participants: Centenary Visitors House [CVH], Near Ramaih Hospital Gate, IISc Campus, Bangalore (Phone: 080 22933500 / 22932100) (ii) Resource Persons - Hoysala House (Ph: 080 2293 2535), Near NMR Centre, IISc Campus;
(Details of the course will be posted at <http://wgbis.ces.iisc.ernet.in/energy/stc/GSDP%202019-20/index.html>)

Please note:

1. Needs to carry laptop with mouse (for spatial analyses) - MANDATORY
2. Mobile phone (even silent/vibration mode) not allowed inside the class room.
3. Smoking is not allowed inside, closer to the classroom and in the campus.
4. Lunch and tea (morning and evening) would be arranged at NESARA Restaurant during the programme
5. **Accommodation:** Centenary Guest House (Phone: 080 22933500 / 22932100). Breakfast and dinner is arranged at CVH for those residing at CVH and at NESARA for those residing at Hoysala House
6. Midterm Examination is on 4th January 2020, 8th Jan 2020, Surprise tests, Final exam on 15 January 2020 Afternoon (2.30 to 5.30 PM).
7. Please carry 3 – stamp/PP size recent photograph for ID Card (charges Rs 25 per ID).

Resource Persons: T.V. Ramachandra [TVR] (envis.ces@iisc.ac.in); M D Subash Chandran [MDS] Bharath Settur [BS] (setturb@iisc.ac.in); Vinay S [VS] (svinay@iisc.ac.in); Deepthi H [DH] (deepthih@iisc.ac.in) Sincy V [SV] (sincyv@iisc.ac.in); Asulabha K S [AK] (asulabhas@iisc.ac.in); Sudarshan P. Bhat [SB] (sudarshanb@iisc.ac.in), Vrijulal (vrijulal@iisc.ac.in), Chaturved [CV] (chaturvedshet@gmail.com), Vishnu D Mukri [VM] (vishnukumta@gmail.com), Ravishankar [RM] (shankarravi1510@gmail.com)

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