

Report on the SACON Component of the GSDP at Coimbatore

The Coimbatore city Green Skill Development program started on the 6th June, 2017 at the Botanical Survey of India, (BSI) Coimbatore office. As per the initial discussions the modules were sorted out and the biodiversity, floral diversity modules were conducted by the BSI during the first three weeks i.e. up to June 27th, 2017. Starting from Thursday June 28th, 2017 we started with the SACON component.

We prepared a time table wherein we clubbed the Wetlands module with Computers and GIS. The schedule for the same is attached in Annexure I. As per the Schedule we completed the classroom sessions for Wetlands, Computers and GIS. The initial classroom sessions for four days were conducted in the Lecture hall of BSI while the remaining part comprising of laboratory and library was completed at SACON. The field visit to the wetlands of Coimbatore was undertaken on 5th July, 2017 (Annexure II) followed by Laboratory analysis and computer Laboratory for two days and laboratory sessions for the GIS component for the next three days. Looking at the interest of the participants we requested BSI for an additional day to introduce the participants to some wetland laboratory components and completed the session on Friday 14th July, 2017. The feedback for the two and half week session was collected in the format given in Annexure III on 14th, July, 2017.

The Nature Guide training component will be under taken by SACON during the last week of August after the participants have covered the faunal aspects and other modules of the Foundation course.

Names of Candidates as on 06/09/2017

1. Mr. Arunkumar S.
2. Mr. Boopal Santosh S.R.
3. Mr. Boopathi R.
4. Mr. Ganesh Kumar R.
5. Mr. Rajesh C.
6. Mr. Thavamanikandan T.S.

Green Skill Development Programme (GSDP): Nature Education Component

The Nature Education component of GSDP was conducted by the Nature Education Department of SACON. The classroom sessions for two days were conducted on 28-08-2017 and 29-08-2017 in the Board room of SACON by Dr. P. Pramod, Senior Scientist, SACON and Ms. Chaithra Sree. J, Research Scholar of Nature Education Department, SACON. The classroom sessions include Nature Trail in which the participants were taken into SACON Campus and explained about the roles and responsibilities of a Nature Guide.

Followed by this, the Nature Education department of SACON organized a three days field visit (30-08-2017 to 01-09-2017) to Parambikulam Wildlife Sanctuary and Silent Valley National Park along with

ENVIS Staff at SACON. Mr. Kanniyappan, Forest Guard at Parambikulam Wildlife Sanctuary took the participants into the forest and interacted about various environmental issues and the importance of nature. He also explained the key facts as one should get to know while entering into the forest. Each participant was given a chance to explore them as a Field Guide.

Green Skill Development Programme (GSDP): Foundation Course – Valedictory Function

The Valedictory function of the “Green Skill Development Programme (GSDP): Foundation Course” was jointly organized by ENVIS Centre and Botanical Survey of India (BSI), Southern Regional Centre, Tamil Nadu Agricultural University (TNAU) Campus, Coimbatore. The function was held at the Auditorium, BSI, TNAU Campus, Coimbatore on 06th September 2017. The Welcome Address was delivered by Dr. K. Althaf Ahamed Kabeer, Scientist, BSI, Coimbatore. Dr. Goldin Quadros, ENVIS Coordinator, SACON felicitated the valedictory function. Dr. C. Murugan, Head, BSI, TNAU Campus, Coimbatore, delivered special addresses. The trainees of GSDP gave their feedback and shared their experiences regarding the programme. The Chief Guest of the Day, Dr. G.V.S. Murthy, Former Head, BSI, TNAU Campus, Coimbatore delivered the valedictory address stating the importance of GSDP held from 06th June 2017 to 05th September 2017 and distributed the participation certificates, memento and kits to the trainees. At the same time, Dr. G.V.S. Murthy felicitated the resource persons from SACON ENVIS Centre and BSI, Coimbatore for delivering lectures with a certificate and memento. The Vote of Thanks was delivered by Dr. R. Manikandan, Scientist, BSI, Coimbatore. The programme ended with the trainees planting tree saplings in the backyard of BSI, TNAU Campus.

Annexure I

TIME TABLE

GREEN SKILL DEVELOPMENT PROGRAM: FOUNDATION COURSE

(6th June – 6th September 2017)

WEEK 4 - 6: 28-06-2017 to 13-07-2017 (70 hrs.)

- TOPICS:**
1. Wetland Ecosystem (35 hrs.)
 2. Basic Computer Science Skills and GIS Theory and Practical (35 hrs.)

DATE	10:00 - 11:00	11:00 - 12:00	12:00 - 13:00	L U N C H B R E A K	14:00 - 15:00	15:00 - 16:00	16:00 - 17:00
28-06-2017	WE Introduction, definition, Characteristics and types of wetlands				GIS Introduction to GIS GPS and its Applications		CS Basics of Computer
29-06-2017	CS MS WORD	WE Wetland classification Physico-chemical properties of wetlands			WE Physico-chemical properties of wetlands		GIS Over View of Spatial Data and Databases
30-06-2017	WE Analysis of Physico-chemical properties of wetlands		GIS Over View of Google Earth		CS MS EXCEL	WE Analysis of biological properties of wetlands	WE Biodiversity of wetlands
03-07-2017	CS MS POWER POINT	GIS Over View of QGIS and ArcGIS Mobile Application			WE Biodiversity of wetlands Importance and benefits of wetlands		
04-07-2017	WE Threats and loss of wetlands Wetland Laws				GIS Practical		CS MS ACCESS
05-07-2017	◆◆◆◆◆◆◆◆◆◆ Field Trip ◆◆◆◆◆◆◆◆◆◆				◆◆◆◆◆◆◆◆◆◆ Field Trip ◆◆◆◆◆◆◆◆◆◆		
06-07-2017	WE Practical				WE Practical		
07-07-2017	WE Practical				WE Practical		
10-07-2017	CS INTERNET & E-MAIL	CS Practical	CS Practical		CS Practical		
11-07-2017	CS Practical				GIS Practical		
12-07-2017	GIS Open Street Map	GIS Practical			GIS Practical		
13-07-2017	GIS Practical				GIS Practical		

WE – Wetland Ecosystem (Classes and Practicals undertaken by Dr. B. Hemambika)
 CS – Computer Science (Classes and Practicals undertaken by Mrs. A. Julffia Begam)
 GIS –Geographical Information System (Classes and Practicals undertaken by Mr. N. Mohamed Ibrahim)

Annexure II

Field Trip

Date: 05 July 2017

Place: Wetlands of Coimbatore

1. TNAU Paddy field
2. Kumaraswamy Lake
3. Krishnampathi Lake
4. Narasampathi Lake
5. Vedapatti Lake
6. Perur Lake
7. Perur Chettipalayam Lake
8. Ukkadam Big Tank / Periya Kulam
9. Singanallur Lake

❖ Bird watching and wetland survey based on the questionnaire was done at all the wetlands mentioned above.

	<u>WATER ANALYSIS</u>
	Date: 06 & 07 July 2017
1.	Colour
2.	Temperature
3.	Transparency (Light Penetration)
4.	Turbidity
5.	Determination of pH
6.	Electrical Conductivity
7.	Determination of Dissolved Oxygen (DO) – Winkler's Titration Method
8.	Total Solids
9.	Total Dissolved Solids
10.	Total Suspended Solids
11.	Estimation of Chloride
12.	Estimation of Calcium
13.	Estimation of Sodium
14.	Estimation of Potassium
15.	Estimation of Lithium
16.	Plankton Analysis
	<u>SOIL ANALYSIS</u>
17.	pH
18.	EC
19.	Moisture content
20.	Estimation of Available Sodium in Soil
21.	Estimation of Available Pottasium in Soil

GREEN SKILL DEVELOPMENT PROGRAM: FOUNDATION COURSE
Feedback Form

WEEK 4 - 6: 28-06-2017 to 13-07-2017

S. No.	Date	Topic	Name of Resource Person	Grade 1 to 5 (5 being very satisfied)
1.	28-06-2017	WE - Introduction, definition, Characteristics and types of wetlands	Dr. B. Hemambika	
2.		GIS - Introduction to GIS GPS and its Applications	Mr. N. Mohamed Ibrahim	
3.		CS - Basics of Computer	Mrs. A. Julffia Begam	
4.	29-06-2017	CS - MS WORD	Mrs. A. Julffia Begam	
5.		WE - Wetland classification Physico-chemical properties of wetlands	Dr. B. Hemambika	
6.		GIS - Over View of Spatial Data and Databases	Mr. N. Mohamed Ibrahim	
7.	30-06-2017	WE - Analysis of Physico-chemical and biological properties of wetlands	Dr. B. Hemambika	
8.		GIS - Over View of Google Earth	Mr. N. Mohamed Ibrahim	
9.		CS - MS EXCEL	Mrs. A. Julffia Begam	
10.	03-07-2017	CS - MS POWER POINT	Mrs. A. Julffia Begam	
11.		GIS - Over View of QGIS and ArcGIS Mobile Application	Mr. N. Mohamed Ibrahim	
12.		WE - Biodiversity of wetlands Importance and benefits of wetlands	Dr. B. Hemambika	
13.	04-07-2017	WE - Threats and loss of wetlands Wetland Laws	Dr. B. Hemambika	
14.		GIS - Practical	Mr. N. Mohamed Ibrahim	
15.		CS - MS ACCESS	Mrs. A. Julffia Begam	
16.	05-07-2017	Field Trip	Dr. Goldin Quadros, Dr. M. Mahendiran & ENVIS team	
17.	06-07-2017	WE - Practical	Dr. B. Hemambika	
18.	07-07-2017	WE - Practical	Dr. B. Hemambika	
19.	10-07-2017	CS - INTERNET & E-MAIL	Mrs. A. Julffia Begam	
20.		CS - Practical	Mrs. A. Julffia Begam	
21.	11-07-2017	CS - Practical	Mrs. A. Julffia Begam	
22.	12-07-2017	GIS - Open Street Map	Mr. N. Mohamed Ibrahim	
23.		GIS - Practical	Mr. N. Mohamed Ibrahim	
24.	13-07-2017	GIS - Practical	Mr. N. Mohamed Ibrahim	
25.	14-07-2017	WE Practical, Library & Exam		

* WE – Wetland Ecosystem; CS – Computer Science; GIS –Geographical Information System

Picture Gallery

Inaugural Program



Classroom session by Dr. Goldin Quadros



GIS Practical Session



Practical sessions - Wetland Laboratory



Practical sessions - Computer Science Laboratory



Field visit and sampling



Dr. Pramod, Senior Scientist, SACON addressing the students



Parambikulam Wildlife Sanctuary Filed Visit



Rewarding the trainees with participation certificates, memento and kits



Feedback given by a trainee regarding GSDP



Trainees planting the tree saplings at the backyard of BSI, TNAU Campus



GSDP-Group Photo during valedictory function

GSDP Course Materials by SACON ENVIS Resource Partner

