



MES ASMABI COLLEGE
P. VEMBALLUR

2018 | 2023

MoU for the Conduct of Certificate Courses

MoU - Report of Activities

Coordinator: Dr. K.H. Amitha Bachan

Joint coordinator: Dr. Girija T.P.



Centre for Ecology, Taxonomy, Conservation &
Climate Change (CEtC)

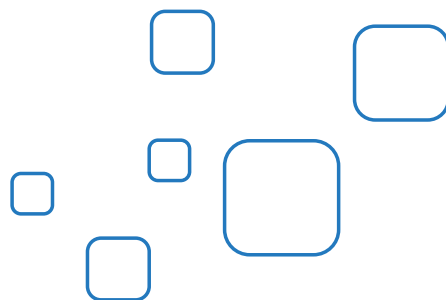
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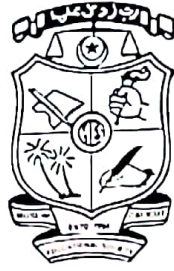
Certificate Course in
Conservation, Sustainability and
Indigenous rights

03 - 15

Certificate Course in
Geoinformatics and mapping for
natural resource management

16-29





MES ASMABI COLLEGE, P. VEMBALLUR
RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
CERTIFICATE COURSE IN CONSERVATION, SUSTAINABILITY
INDIGENOUS RIGHTS
2019-2020

Details of the programme

Department	: Research and PG Department of Botany
Collaborating Cell	: CEIC of Western Ghats Hornbill Foundation
Name of the Course	: Conservation, Sustainability Indigenous Rights
Course Code	: ASCC16
Coordinator	: Dr Amitha Bachan K.H. 9497627870, amithabmes@gmail.com
Joint Coordinator	: Dr Girija T. P.
Head of the Department	: Dr Girija T. P.
Max. No of Participants	: 35
Duration of the course	: 30 hrs
Teaching Methodology	: Direct method, Group discussions
Teaching aids	: Ppt, Videos

MES ASMABI COLLEGE, P. VEMBALLUR
RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
CERTIFICATE COURSE IN CONSERVATION, SUSTAINABILITY
INDIGENOUS RIGHTS
2019-2020
LIST OF PARTICIPANTS

No	Name	Signature
1	Chithra M.R.	
2	Sruthi T.K.	
3	Anitha	
4	Vipin K.V.	
5	Manu Madhavan	
6	Jishnu Suresh	
7	Aparna T.A.	
8	Kasiraman S.	
9	Sarath S.	
10	Pandyan A.	
11	Paramasivan	
12	Siva	
13	Sunil P.	
14	Jiyesh C.S.	
15	Remya P.C.	
16	Biju G.	
17	Ranjith E.R.	
18	Azhakanswamy D.	
19	Sobha madhavan	
20	Neethu K.K.	

21	Nimisha P.	<i>Nimisha P.</i>
22	Anjana A.N.	<i>Anjana</i>
23	Reshma K.R.	<i>Reshma</i>
24	Shreeja V.M.	<i>Shreeja</i>
25	Manu K.A.	<i>Manu</i>
26	Sanil Chandran	<i>Sanil</i>
27	Sreejith C.B.	<i>Sreejith</i>
28	Sudha	<i>Sudha</i>
29	Selvaraj M.	<i>Selvaraj</i>
30	Rajendran C.	<i>Rajendran</i>
31	Sumathi C.	<i>Sumathi</i>

Anitha
Director - CEtC
Hornbill Foundation

[Signature]
 Head of Department
 Research & PG Dept. of Botany
 MES Asmabi College,
 P. Vemballur, Thrissur Dt.
 Kerala - 680 671

[Signature]
 PRINCIPAL
 M.E.S. ASMABI COLLEGE,
 P.O.P. VEMBALLUR,
 KODUNGALLUR 680 671





HORNBILL FOUNDATION

Research & PG Department of Botany
M.E.S Asmabi college, P. Vemballur
Thrissur, Kerala- 680671



CERTIFICATE

*Certificate of
completion*

This is to certify that Mr/Ms.....**NEETHU K.K.**.....has completed the certificate course....

..... **CONSERVATION, SUSTAINABILITY INDIGENOUS RIGHTS**..... Of ...30...hrs duration
conducted by Research & PG Department of Botany, CEtC centre of Hornbill Foundation, M.E.S
Asmabi College, P.Vemballur, Thrissur, Kerala-680671 during academic year 2019-20.
He/She has secured ...**A**... grade.

P.Vemballur

Dr. Girija T.P.
H o D

Dr. Amitha Bachan
Coordinator

Dr. A. Biju
Principal



MES ASMABI COLLEGE, P. VEMBALLUR
RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
CERTIFICATE COURSE IN CONSERVATION, SUSTAINABILITY
INDIGENOUS RIGHTS
2019-2020
CURRICULUM AND EVALUATION PROCEDURE

Department	: Research and PG Department of Botany
Collaborating Cell	: CEIC of Western Ghats Hornbill Foundation
Name of the Course	: Conservation, Sustainability Indigenous Rights
Course Code	: ASCC16
Coordinator	: Dr Amitha Bachan K.H. 9497627870, amithabmes@gmail.com
Joint Coordinator	: Dr Girija T. P.
Head of the Department	: Dr Girija T. P.
Number of students	: 31
Duration of the course	: 30 hrs
Teaching Methodology	: Direct method, Group discussions
Teaching aids	: Ppt, Videos



CURRICULUM

Objectives:

1. The participants will be able to understand the basics of indigenous rights and resource management, its history, current affairs in relation to political, ecological, social, environmental and economic perspectives.
2. The participants shall get an in depth understanding of major provisions of FRA 2006 and its application in India, Kerala.

Module 1

Understanding the concepts – Tribe/ Adivasi/ Indigenous Peoples, National discourse, history of exclusion and social justice., Constitutional safeguards of Adivasis : Historical and contemporary debate. Modernity, development and the Adivasis. Historicizing the Adivasi land question in Kerala Tribal movements in India: An overview (5 Hrs)

Module 2

Various perspectives on environmentalism, Environmental and forest governance history in India Forest policies and Adivasis: Trajectories and contestations. Conservation and Tribal rights discourse in India: Indigenous philosophies of land and resource management. Indigenous Vs Victorian jurisprudence – inclusion and exclusion. (5 Hrs)

Module 3

History of indigenous right recognition across the world, history of FRA 2006, Definitions and Major provisions of FRA. Authorities- duties and responsibilities (Grama Sabha, FRC, CFRMC, DLC, SDLC, SLMC). (4 Hrs)

Module 4

Recognition of individual rights, community rights, CFR rights, developmental rights. An overview of progress and performance in Kerala and India. Various issues and challenges.

(3 Hrs)

Module 5

Proper management of Grama Sabha, Record keeping at various levels, FRA and other legislations. Rights modifications, prevention of alienation, future perspectives. Community and private proprietorships.

(5 Hrs)

Module 6

Procedure for claiming forest rights, evidence, resolutions, verification and recognition. Complaint filing mechanisms, Case studies of various procedures and formats for recognition of right. The convergence of present practice of conservation and indigenous right wise conservation, development of resource management plan under FRA. (CFR management plan, documentation of indigenous protocol, Bio protocol).

(8 Hrs)

References:

- Amitha Bachan K.H. (2017). The Historical Injustice to the Forest Dwelling Community Continued: The process, performance and major violations in the one decade of implementation of the Forest Rights Act 2006 in Kerala. Hornbill Foundation and Natural Justice. ISBN 9788192710568
- Amitha Bachan K.H., Maya Mohan, M.P. Shajan, Tintu Kuryan & P.C. Resmi (2013). Forest Right Act 2006 and Community Forest Reserve (CFR) area management- A field guide. Western Ghats Hornbill Foundation and Centre for Environment and Development. ISBN, 9788192710563.
- Bijoy, C. R., and K. Ravi Raman 2003 Muthanga: The Real Story—Adivasi Movement to Recover Land. Economic and Political Weekly, May 17: 1975–1982.
- C.R. Bijoy, Shankar Gopalakrishnan and Shomona Khanna, India and the Rights of Indigenous People.
- Gadgil, M. and R. Guha (1992) This Fissured Land: An Ecological History of India. New Delhi: Oxford University Press; Berkeley, CA: University of California Press.
- Kunhaman, M. 'The Tribal Economy of Kerala. An Intra-Regional Analysis', Economic and Political Weekly, Vo XX. No 11, March 16, 1985, pp 466-74.
- Le'le' S and Menon A (Eds) (2014) Democratizing Forest Governance. New Delhi: Oxford University Press.
- Ramachandra Guha. (2000). Environmentalism: A Global History. New York: Longman.


- Saberwal, V. and M. Rangarajan (2003) Battles over Nature: Science and the Politics of Conservation. Madras: Sangam Books.
- Xaxa, Virginius (1999) 'Tribes as Indigenous Peoples of India'. Economic and Political Weekly 18 Dec.: 3589-95.

EVALUATION PROCEDURE

- Model examinations


Director - CBC
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 KODUNGALLUR - 680 671



M.E.S ASMABI COLLEGE, P. VEMBALLUR
RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
ASCC16- CONSERVATION, SUSTAINABILITY INDIGENOUS RIGHTS
2019-2020

Time: 1 Hrs.

Total Marks : 20

Section A
(Each question carries 2 Marks)

1. What is FRA
2. Write any 4 tribal groups of Kerala
3. What are the major provisions of FRA

Section B
(Each question carries 4 Marks)


4. Write a note on Environmental and forest governance history in India
5. Give a short on Tribal movements in Kerala


Section C
(Answer any one. Each question carries 6 Marks)

6. Write an essay on duties and responsibilities of authorities
7. Account on issues and challenges of indigenous Rights


**Director - CEIC
Hornbill Foundation**




Head of Department
Research & PG Dept. of Botany
MES Asmabi College
P. Vemballur, District LL
Kerala - 686 671

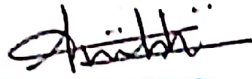

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KODUNGALLUR - 686 671




ASCC16
CONSERVATION, SUSTAINABILITY INDIGENOUS RIGHTS
2019-2020
Result

No	Name	Marks (20)
1	Chithra M.R.	18
2	Sruethi T.K.	16
3	Anitha	17
4	Vipin K.V.	18
5	Manu Madhavan	19
6	Jishnu Suresh	20
7	Aparna T.A.	16
8	Kasiraman S.	18
9	Sarath S.	19
10	Pandyan A.	20
11	Paramasivan	19
12	Siva	18
13	Sunil P.	19
14	Jiyesh C.S.	16
15	Remya P.C.	18
16	Biju G.	19
17	Ranjith E.R.	20
18	Azhakanswamy D.	18
19	Sobha madhavan	19
20	Neethu K.K.	18
21	Nimisha P.	20
22	Anjana A.N.	18
23	Reshma K.R.	18

24	Sheeja V.M.	19
25	Manu K.A.	18
26	Samr Chandran	19
27	Sreejith C.B.	20
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29	Selvaraj M.	18
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Director - CEIC
Hornbill Foundation




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RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
CERTIFICATE COURSE IN CONSERVATION, SUSTAINABILITY
INDIGENOUS RIGHTS


2019-2020

REPORT AND COURSE OUTCOME

Name of the Department	: Research and PG Department of Botany
Collaborating Cell	: CEIC of Western Ghats Hornbill Foundation
Coordinator	: Dr. K.H. Amitha Bachan
Joint Coordinator	: Dr. Girija T.P.
No of Participants enrolled	: 31
No of Participants Completed	: 31
Year	: 2019-2020
Date of evaluation	: 22-2-2020
No of Participants qualified	: 31
No of Certificates issued	: 31

COURSE OUTCOME

- It provides awareness to the participants on indigenous rights and resource management, its history, current affairs in relation to political, ecological, social, environmental and economic perspectives.
- It helps to undo the past wrongs and injustices committed against the communities that live in the forest.
- It helps to make the system of forest conservation stronger by giving holders of forest rights responsibility.



Dr. K.H. Amitha Bachan
Coordinator



Dr. Girija T.P.
HoD



Dr. Prof. A. Biju
Principal

**Director - CEIC
Hornbill Foundation**



Head of Department
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MES ASMABI COLLEGE, P. VEMBALLUR
RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
CERTIFICATE COURSE IN GEOINFORMATICS AND MAPPING FOR
NATURAL RESOURCE MANAGEMENT
2022-2023

Details of the Programme

Department	: Research and PG Department of Botany
Collaborating Cell	: CEtC of Western Ghats Hornbill Foundation
Name of the Course	: Geoinformatics and Mapping for Natural Resource Management
Course Code	: ASCEP16
Coordinator	: Dr Amitha Bachan K.H. 9497627870, amithabmes@gmail.com
Joint Coordinator	: Dr Girija T. P.
Head of the Department	: Dr Girija T. P.
Maximum No of students	: 75
Duration of the course	: 31 hrs
Level	: UG/PG
Teaching Methodology	: Direct method, Group discussions
Teaching aids	: Ppt, Videos

Certificate course in Geoinformatics and Mapping for Natural Resource Management
conducted by Research Department of Botany, MES Asmabi College and CEtC of Western Ghats Hornbill Foundation
2022-2023

No	Name	Course	Signature
1	GOKUL R	I BSc Botany	Gokul
2	HAFISA P H	I BSc Botany	Hafisa
3	LENITHA BINU	I BSc Aqua	Lenitha
4	MALAVIKA PRADEEP	I BSc Aqua	Malavika
5	AMANA C S	I BSc Physics	Amanas
6	ANAS K.A	I BSc Physics	Anas
7	V M MUHSINA	I BSc Psychology	Muhsina
8	AMRITHA M S	I BSc Psychology	Amritha
9	HIMA E P	I Msc Botany	Hima
10	MALAVIKA M NAIR	I MSc Botany	Malavika
11	SAFNA T M	I MSc Physics	Safna
12	VISMAYA P	I MSc Physics	Vismaya
13	MISNA E Y	I BA Economics	Misna
14	NAYANA K M	I BA Economics	Nayana
15	NESMAH UMI R	II BSc Physics	Nesmah
16	NESRIYA K A	II BSc Physics	Nesriya
17	ANJUM M M	II BSc Aquaculture	Anjum
18	ANURAG K S	II BSc Aquaculture	Anurag
19	NASWIF KP	II BSc Botany	Naswif
20	SUSHI A S	II BSc Botany	Sushi
21	THANOOJA A	II BSc Botany	Thanooja
22	SUMAYYA K M	II BSc Maths	Sumayya
23	VIVEK V R	II BSc Maths	Vivek
24	HARIPRIYA K S	II BSC Aquaculture	Haripriya

25	KRISHNA PRASAD M P	II BSc Aquaculture	<u>Krishna</u>
26	LAINUS SUNIL P S	II BSc Aquaculture	<u>Lainus</u>
27	SUHAILA K S	II Psychology	<u>Suhaila</u>
28	THANSIHA P B	II Psychology	<u>Thansha</u>
29	NIKHIL NATHI S R	II Bcom Finance	<u>Nikhil</u>
30	PARVATHI K V	II Bcom Finance	<u>Parvathi</u>
31	IHSAN M	II BSc Physics	<u>Ihsan</u>
32	JISMINA T A	II BSc Physics	<u>Jismina</u>
33	SAHALA FARSANA V S	III BSc Botany	<u>Sahala</u>
34	SHIFANA ASHRAF	III BSc Botany	<u>Shifana</u>
35	SINAN SEMSUTHEEN	III BSc Botany	<u>Sinan</u>
36	THASNEEMA	III BSc Botany	<u>Thasneema</u>
37	ZALEEHA MARIYAM K A	III BSc Botany	<u>Zaleeha</u>
38	APARNA PUSHPAN	II Msc Botany	<u>Aparna</u>
39	RESHMA P	II Msc Botany	<u>Reshma</u>
40	BAIJU A S	II Msc Botany	<u>Baiju</u>
41	HARIPRIYA M T	III Psychology	<u>Haripriya</u>
42	NASRIN K N	III Psychology	<u>Nasrin</u>
43	NIJAYAS PRASAD	III Psychology	<u>Nijaya</u>
44	RESHMA P P	III BSc Botany	<u>Reshma</u>
45	RIFA	III BSc Botany	<u>Rifa</u>
46	SANDRA P	III BSc Botany	<u>Sandra</u>
47	SIYANA SHERIN M P	III BSc Botany	<u>Siyana</u>
48	HADIYYA U A	I BSc Botany	<u>Hadiyya</u>
49	JUBNA K M	I BSc Botany	<u>Jubna</u>
50	ABHINAND K	I BSc Botany	<u>Abhinand</u>
51	FATHIMA	I BSc Botany	<u>Fathima</u>
52	ATHIRA P I	I BSc Physics	<u>Athira</u>
53	FAYAS K R	I BSc Physics	<u>Fayas</u>
54	MUHAMMED HINAN K	I BSc Physics	<u>Hinan</u>

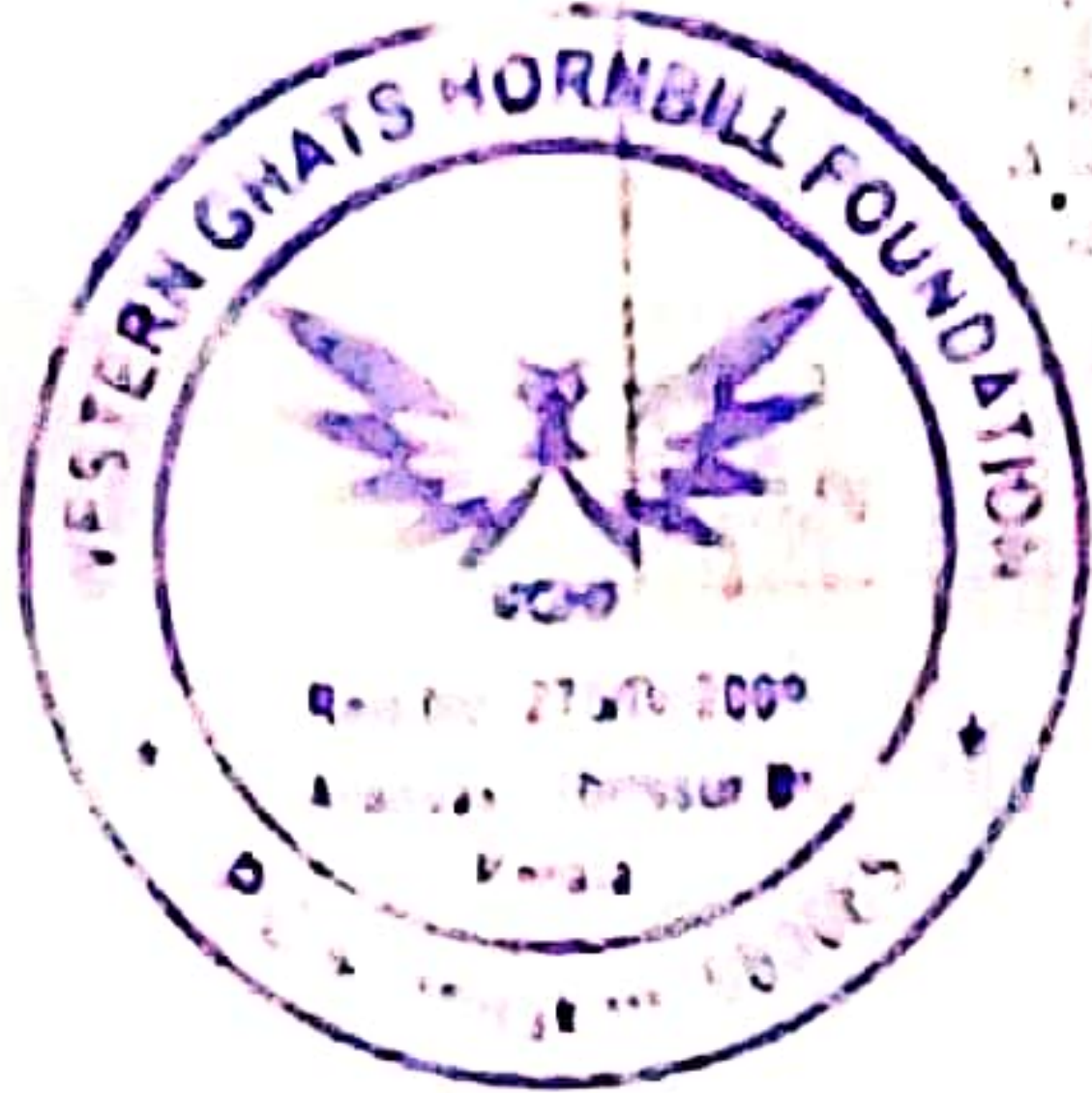
25	KRISHNA PRASAD M P	II BSc Aquaculture	<u>Krishna</u>
26	LAINUS SUNIL P S	II BSc Aquaculture	<u>Lainus</u>
27	SUHAILA K S	II Psychology	<u>Suhaila</u>
28	THANSHILA P B	II Psychology	<u>Thansa</u>
29	NIKHIL NATH S R	II Bcom Finance	<u>Nikhil</u>
30	PARVATHI K V	II Bcom Finance	<u>Parvathi</u>
31	HISAN M	II BSc Physics	<u>Hisan</u>
32	HISMINA T A	II BSc Physics	<u>Hismina</u>
33	SAHALA TARSA NA V S	III BSc Botany	<u>Sahala</u>
34	SHIFANA ASHRAF	III BSc Botany	<u>Shifana</u>
35	SINAN SEMSUTHILEN	III BSc Botany	<u>Sinan</u>
36	THASNEEMA	III BSc Botany	<u>Thasneema</u>
37	ZALITHA MARIYAM K A	III BSc Botany	<u>Zalitha</u>
38	APARNA PUSHPAN	II Msc Botany	<u>Aparna</u>
39	RESHIMA P	II Msc Botany	<u>Reshma</u>
40	BAHU A S	II Msc Botany	<u>Bahu</u>
41	HARIPRIYA M I	III Psychology	<u>Haripriya</u>
42	NASRIN K N	III Psychology	<u>Nasrin</u>
43	NIJAYAS PRASAD	III Psychology	<u>Nijaya</u>
44	RESHIMA P P	III BSc Botany	<u>Reshma</u>
45	RIEA	III BSc Botany	<u>Ria</u>
46	SANDRA P	III BSc Botany	<u>Sandra</u>
47	SIYANA SHIRIN M P	III BSc Botany	<u>Siyana</u>
48	HADHIYA U A	I BSc Botany	<u>Hadhiya</u>
49	RUBNA K M	I BSc Botany	<u>Rubna</u>
50	ABHINAND K	I BSc Botany	<u>Abhinand</u>
51	FATHIMA	I BSc Botany	<u>Fathima</u>
52	ATHIRA P I	I BSc Physics	<u>Athira</u>
53	FAYAS K B	I BSc Physics	<u>Fayas</u>
54	MUHAMMAD HANAN K	I BSc Physics	<u>Hanan</u>

55	BHUVANA KRISHNA P T	II BSc Aquaculture	<i>[Signature]</i>
56	DEEPIKA P	II BSc Aquaculture	<i>[Signature]</i>
57	DEVIKRISHNA M P	II BSc Aquaculture	<i>[Signature]</i>
58	MUSHRIFA C	II BSc Maths	<i>[Signature]</i>
59	NANDITHA C B	II BSc Maths	<i>[Signature]</i>
60	NAZIM NAZEER	II BSc Maths	<i>[Signature]</i>
61	FITHA T M	II BSc Botany	<i>[Signature]</i>
62	GOKULKRISHNA P P	II BSc Botany	<i>[Signature]</i>
63	HISANA T I	II BSc Botany	<i>[Signature]</i>
64	IRFANA PARVIN C A	II BSc Botany	<i>[Signature]</i>
65	KARTHIKA K B	II BSc Botany	<i>[Signature]</i>
66	MUBASHIRA A	II BSc Botany	<i>[Signature]</i>
67	AVANI K DEVADAS	III Psychology	<i>[Signature]</i>
68	FATHIMA U S	III Psychology	<i>[Signature]</i>
69	FATHIMA K N	III Physics	<i>[Signature]</i>
70	PRINCE KP	I BSc Aqua	<i>[Signature]</i>
71	GOVIND O N	III BSc Physics	<i>[Signature]</i>
72	ISHA T A	III BSc Physics	<i>[Signature]</i>

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Director - CERC
Hornbill Foundation

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 KODUNGALLUR - 680 671





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CERTIFICATE

*Certificate of
completion*

This is to certify that Mr/Ms.....**RESHMA P**.....has completed the certificate course....
.....GEOINFORMATICS AND MAPPING FOR NATURAL RESOURCE MANAGEMENT..... Of ...31...hrs duration
conducted by Research &PG Department of Botany, CEtC centre of Hornbill Foundation and
M.E.S Asmabi College, P.Vemballur, Thrissur, Kerala-680671 during the academic year 2022-23.
He/She has secured **...A...** grade.

P. Vemballur

/ /

Dr. Girija T.P.
H o D

Dr. Amitha Bachan
Coordinator

Dr. A. Biju
Principal

MES ASMABI COLLEGE, P. VEMBALLUR
RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
CERTIFICATE COURSE IN GEOINFORMATICS AND MAPPING FOR
NATURAL RESOURCE MANAGEMENT
2022-2023
CURRICULUM AND EVALUATION PROCEDURE

Department : Research and PG Department of Botany

Collaborating Cell : CEIC of Western Ghats Hornbill Foundation

Name of the Course : Geoinformatics and Mapping for Natural Resource Management

Course Code : ASCEP16

Coordinator : Dr Amitha Bachan K.H.
9497627870, amithabmes@gmail.com

Joint Coordinator : Dr Girija T. P.

Head of the Department : Dr Girija T. P.

Number of students : 72

Duration of the course : 31 hrs

Level : UG/PG

Teaching Methodology : Direct method, Group discussions

Teaching aids : Ppt, Videos

CURRICULUM

Objectives:

1. To carry out inter and multidisciplinary research and studies on issues related to Geo-information.
2. Provide efficient means for data distribution and handling.
3. Complex analysis/queries involving geographical reference data to generate new information.

Module I

Introduction to GIS & Applications

- o What is GIS
- o GIS Concepts
- o Spatial Data Concepts
- o GIS Applications in the real-world scenarios

(6 Hours)

Module II

Overview of open source and proprietary GIS software

- o Introduction to GIS software's
- o Open Source vs Proprietary GIS software
- o Overview of GIS Products (ESRI, QGIS)
- o Capabilities of GIS tools in the leading software's

(7 Hours)

Module III

Utilising Spatial technology for Natural resources.

- o Spatial analytical capabilities used by ecologists and conservation biologists.
- o Introduction to natural resources mapping, monitoring and modelling.
- o Latest GIS technology trends in Conservation GIS

(9 Hours)

Module IV

Spatial Data Model Creation

- o GPS survey
- o Georeferencing of Maps
- o Digitisation and Creation of attribute table of Species samples
- o Visual interpretation of Satellite imagery


(9 Hours)

Software Used


Quantum GIS (QGIS 3.22)


EVALUATION PROCEDURE

- Model examinations (Theory as well as practicals)
- Weekly open source software based practical assessment.


Director - CBIC
Hornbill Foundation




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RESEARCH AND PG DEPARTMENT OF BOTANY,
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
ASCEP16- GEOINFORMATICS AND MAPPING FOR NATURAL RESOURCE
MANAGEMENT
2022-2023

Time: 1 Hrs.

Total Marks : 20

Section A

(Each question carries 2 Marks)


1. What is GIS
2. Give an account on Spatial Data Concepts
3. Name any two GIS tools
4. Write any 4 applications of GIS
5. What are the major criteria used in natural resource mapping

Section B

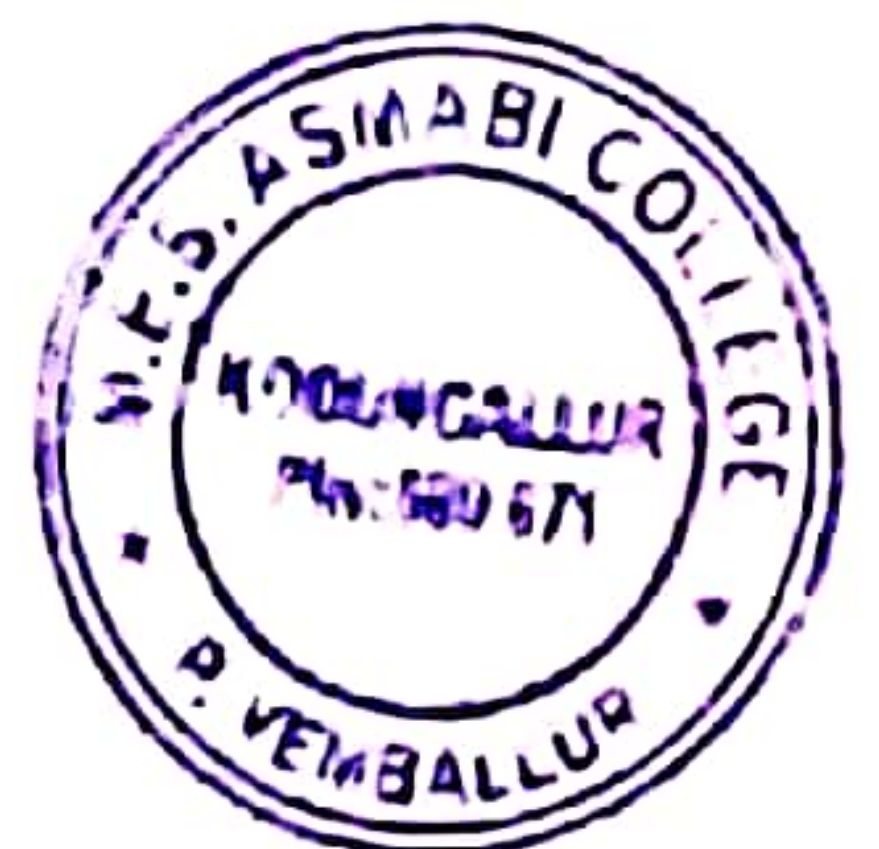
(Each question carries 5 Marks)

6. What are the latest GIS technologies
7. Write an essay on GIS softwares.


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ASCEP16
Geoinformatics and Mapping for Natural Resource Management
2022-2023
Result


No	Name	Course	Marks (20)
1	GOKUL R	I BSc Botany	18
2	HAFISA P H	I BSc Botany	16
3	LENITHA BINU	I BSc Aqua	17
4	MALAVIKA PRADEEP	I BSc Aqua	18
5	AMANA C S	I BSc Physics	19
6	ANAS K.A	I BSc Physics	20
7	V M MUHSINA	I BSc Psychology	16
8	AMRITHA M S	I BSc Psychology	18
9	HIMA E P	I Msc Botany	19
10	MALAVIKA M NAIR	I MSc Botany	20
11	SAFNA T M	I MSc Physics	19
12	VISMAYA P	I MSc Physics	18
13	MISNA E Y	I BA Economics	19
14	NAYANA K M	I BA Economics	16
15	NI SMAH UMER	II BSc Physics	18
16	NI SRIYA K A	II BSc Physics	19
17	ANJUM M M	II BSc Aquaculture	20
18	ANURAG K S	II BSc Aquaculture	18
19	NASWIF KP	II BSc Botany	19
20	SUSHI A S	II BSc Botany	18
21	THANOOJA A	II BSc Botany	20
22	SUMAYYA K M	II BSc Maths	18
23	VIVEK V R	II BSc Maths	18
24	HARIPRIYA K S	II BSc Aquaculture	19
25	KRISHINA PRASAD M P	II BSc Aquaculture	18

26	LAINUS SUNIL P S	II BSc Aquaculture	19
27	SUHAILA K S	II Psychology	20
28	THANISHA P B	II Psychology	20
29	NIKHIL NATH S R	II Bcom Finance	18
30	PARVATHI K V	II Bcom Finance	18
31	IHSAN M	II BSc Physics	19
32	JISMINA T A	II BSc Physics	18
33	SAHALA FARSAVA V S	III BSc Botany	19
34	SHIFANA ASHARAF	III BSc Botany	19
35	SINAN SI-MISUTHFEN	III BSc Botany	18
36	HIASNIEMA	III BSc Botany	19
37	ZALEEHA MARIYAM K A	III BSc Botany	19
38	APARNA PUSHPAN	II Msc Botany	18
39	RESHMA P	II Msc Botany	20
40	BAIJU A S	II Msc Botany	19
41	HARIPRIYA M T	III Psychology	18
42	NASRIN K N	III Psychology	19
43	NIJAYAS PRASAD	III Psychology	19
44	RESHMA P P	III BSc Botany	18
45	RIFA	III BSc Botany	19
46	SANDRA P	III BSc Botany	20
47	SIYANA SHERIN M P	III BSc Botany	19
48	HADHIYA U A	I BSc Botany	19
49	JUBNA K M	I BSc Botany	20
50	ABHINAND K	I BSc Botany	19
51	FATHIMA	I BSc Botany	19
52	ATHIRA P T	I BSc Physics	20
53	FAYAS K R	I BSc Physics	19
54	MUHAMMED HINAN K	I BSc Physics	18
55	BHUVANA KRISHNA P T	II BSc Aquaculture	18

56	DEEPIKA P	II BSc Aquaculture	18
57	DEVIKRISHNA M P	II BSc Aquaculture	20
58	MU SHRIFA C	II BSc Maths	19
59	NANDITHA C B	II BSc Maths	19
60	NAZIM NAZEER	II BSc Maths	20
61	HITHA T M	II BSc Botany	19
62	GOKULKRISHNA P P	II BSc Botany	18
63	HISANA T I	II BSc Botany	19
64	IRFANA PARVIN C A	II BSc Botany	18
65	KARTHIKA K B	II BSc Botany	19
66	MUBASHIRA A	II BSc Botany	20
67	WANIK DEVADAS	III Psychology	18
68	FATHIMA U S	III Psychology	20
69	FATHIMA K N	III Physics	18
70	PRINCE KP	I BSc Aqua	18
71	GOVINDO N	III BSc Physics	18
72	ISHA T A	III BSc Physics	18


Director - CBIC
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MES ASMABI COLLEGE, P. VEMBALLUR
RESEARCH AND PG DEPARTMENT OF BOTANY
CEIC OF WESTERN GHATS HORNBILL FOUNDATION
CERTIFICATE COURSE IN GEOINFORMATICS AND MAPPING FOR
NATURAL RESOURCE MANAGEMENT

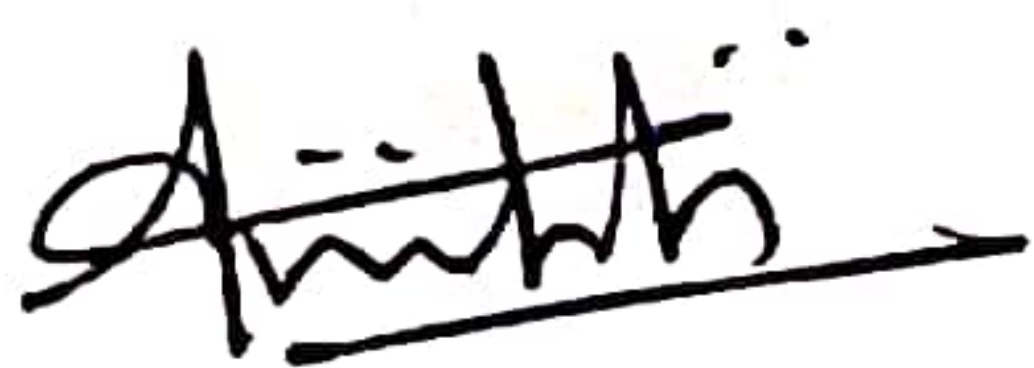
2022-2023

REPORT AND COURSE OUTCOME

Name of the Department	: Research and PG Department of Botany
Collaborating Cell	: CEtC of Western Ghats Hornbill Foundation
Coordinator	: Dr. K.H. Amitha Bachan
Joint Coordinator	: Dr. Girija T.P.
No of Students enrolled	: 72
No of Students Completed	: 72
Year	: 2022-2023
Date of evaluation	: 24-2-2023
No of Students qualified	: 72
No of Certificates issued	: 72

COURSE OUTCOME

- It provide awareness to the participants on Geospatial technologies and equip them with the necessary know-how for handling and managing GIS related tasks in biodiversity conservation
- It will bring a pool of spatial knowledge to the student community
- It can help in conducting GIS projects



Dr. K.H. Amitha Bachan
Coordinator

**Director - CEtC,
Hornbill Foundation**



Dr. Girija T.P.
HoD

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Dr. Prof. A. Biju
Principal

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