



GOVERNMENT COLLEGE KASARAGOD

VIDYANAGAR, KASARAGOD, KERALA, 671123

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NAAC 3RD CYCLE ACCREDITATION

**ADD ON COURSE ON
BASIC GEOINFORMATICS AND Q-GIS**



GOVERNMENT COLLEGE KASARAGOD

VIDYANAGAR, KASARAGOD, KERALA 671123

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Add on Course on

BASIC GEOINFORMATICS AND Q-GIS

(2018-19)

Duration: 30 hours

Number of participant: 25

List of the students enrolled

SI No	Name of the student	Department
1	SRIHARI P	3 rd B Sc GEOLOGY
2	SHARATH RAJ E M	3 rd B Sc GEOLOGY
3	VARSHA VIJAYAN	3 rd B Sc GEOLOGY
4	ANUSREE K P	3 rd B Sc GEOLOGY
5	GOUTHAM R	3 rd B Sc GEOLOGY
6	JYOTHISH PREM P K	3 rd B Sc GEOLOGY
7	ASWANI K P	3 rd B Sc GEOLOGY
8	ASHITHA SOMARAJ NAIR	3 rd B Sc GEOLOGY
9	NIVEDITHA P	3 rd B Sc GEOLOGY
10	MALAVIKA B R	3 rd B Sc GEOLOGY
11	VRINDA P	3 rd B Sc GEOLOGY
12	JEESHNA NAGARAJAN	3 rd B Sc GEOLOGY
13	AKSH JOSHVA	3 rd B Sc GEOLOGY
14	ANASWAR V	3 rd B Sc GEOLOGY
15	ABHIJAN M K	3 rd B Sc GEOLOGY
17	JAYESH KUMAR B	3 rd B Sc GEOLOGY
18	NEETHU N	3 rd B Sc GEOLOGY
19	SHARANYA R K	3 rd B Sc GEOLOGY
20	ARCHANA KRISHNAN N	3 rd B Sc GEOLOGY
21	SRUTHI MAYYA	3 rd B Sc GEOLOGY
22	VINAY	3 rd B Sc GEOLOGY
23	VIPIN RAJ	3 rd B Sc GEOLOGY
	ARYA B K	3 rd B Sc GEOLOGY
	SHATH NIDA	3 rd B Sc GEOLOGY



Name and Signature of the Principal
Dr. Ananthapadmanabha A.L.

PRINCIPAL
GOVERNMENT COLLEGE
KASARAGOD



Curriculum

Objective: The add on course in Geoinformatics will be offered to the final year B.Sc. and M.Sc. Geology students to equip them to acquire a technical skill in using various spatial data analysis tools. Geoinformatics is an edge cutting technology in the field of spatial data analysis which has ample job opportunities in different sectors. At the end of the course an examination will be conducted. Marks obtained by the candidates in both practical and theory examinations will be considered for the final result. To pass the examination the candidate must secure at least 40% of aggregate marks both in theory and practical examinations. Certificate will be issued by the Department to the candidate who has been declared at the examination.

Course outcome :

- Enhance the employability in the field of geo informatics
- Skill development for the online GIS service

Module I

GIS – Basic concept and terminology. Spatial and non- spatial data. Vector and raster data. Concept of Datum and Different coordinate systems. Components of GIS – hardware and software. Proprietary and open source GIS (5 hrs)

Module II

Vector data collection and creating vector data files. Geo referencing. Attribute table creation and editing. Symbolology and labeling. Spatial data input and editing. (4 hrs)

Module - III

Spatial Analysis – Geo-statistical analysis - Proximity analysis (buffering) - Overlay analysis – density analysis -
Network analysis - Multi-criteria analysis - Site suitability analysis - Nearest neighbor analysis - Thiessen polygons - Surface mapping - Interpolation (including TIN) - Digital elevation model (DEM) - Terrain reclassification – Slope, aspect, angle of incidence. - Visibility (view shed) analysis. (8 hrs)

Module IV

Hands on training on use of various spatial analysis tools in Open source and commercial GIS software, Case studies




Name and Signature of the Principal
Dr. Ananthapadmanabha A.I. (7 hrs)





Attendance of the students

STUDENTS' ATTENDANCE REGISTER	
Roll No.	NAME
DATE	
3/9/2018	Sahasi .P
4/9/2018	Shanesh Roy E. M
6/9/2018	Varsha Vijayan
7/9/2018	Anusree K.P
8/9/2018	Gautham R
9/9/2018	Geetha Prem P. H
10/9/2018	Adarsh K.P
11/9/2018	Asheela Somesh Nair
12/9/2018	N. Veditha P
13/9/2018	Malavika .B.R
14/9/2018	Vandana P
15/9/2018	Teesta Manojan P.V
16/9/2018	Akash Joshua
17/9/2018	Anasujay .V
18/9/2018	Abhinav M.K
19/9/2018	Jayash Kumar B
20/9/2018	Nehru N
21/9/2018	Shashanya .B.K
22/9/2018	Aschard Krishnan N
23/9/2018	Sauha Mayya
24/9/2018	Viney
25/9/2018	Vinod Roy
26/9/2018	Adya B. K
27/9/2018	Anshada Nida
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STUDENTS' ATTENDANCE REGISTER

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MONTH

YEAR

Name and Signature of the Principal
Dr. Ananthapadmanabha A.L.

PRINCIPAL
GOVERNMENT COLLEGE
KASARAGOD



Model Certificate:




Name and Signature of the Principal
Dr. Ananthapadmanabha A.I.


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