

**MANGALORE**



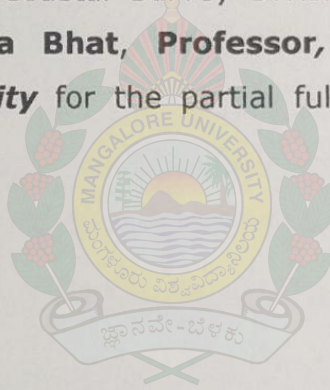
**UNIVERSITY**

**DEPARTMENT OF MARINE GEOLOGY**

**MANGALAGANGOTRI, KARNATAKA**

**Co-ordinator Certificate**

This is to certify that the dissertation work titled "**MORPHOMETRIC ANALYSIS OF DRAINAGE BASINS USING REMOTE SENSING AND GIS TECHNOLOGY**" carried out by **Mr. AJAY L MANATH.**, IV Semester, M.Sc. course in Geoinformatics under the external guidance of Ms. **Rachna Pillai., Senior Geologist, Geological Survey of India**, Marine and Coastal Survey Division, Mangalore and internal guidance of **Dr.H.Gangadhara Bhat, Professor, Department of Marine Geology, Mangalore University** for the partial fulfilment of M.Sc. Degree in Marine Geology.



**Dr.H.Gangadhara Bhat**  
**Coordinator**

**Department of Geoinformatics**  
**Mangalore university**

**Place: Mangalagangothri**

**Date: 13-10-2021**



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MANGALAGANGOTHRI - 574199

M.Sc. GEOINFORMATICS

**CO-ORDINATOR CERTIFICATE**

This is to certify that dissertation work entitled “**LAND USE LAND COVER CHANGES IN AND AROUND BADIADKA PANCHAYAT, KASARAGOD TALUK, KERALA BASED ON MULTIDATED SATELLITE IMAGERY**” is carried out by Mr. Harikrishna Naik K S of IV<sup>th</sup> semester MSc course in **Geoinformatics** and has satisfactorily completed under the guidance of **Smt. R. Nirmala, Department of Marine Geology, Mangalore University** for the partial fulfilment of the requirement for the award of the degree of Master of science in Geoinformatics.

Place: Mangalagangothri

Date: 25<sup>th</sup> Oct. 2021.

**Dr. B R Manjunatha**

**Co-ordinator**

Department of Marine Geology

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**DEPARTMENT OF MARINE GEOLOGY**

**MANGALAGANGOTRI, KARNATAKA**

**Supervisor's Certificate**

I certify that the dissertation works titled "Landslide Risk Zonation and Road Safety Mapping in Wayanad District Using Geospatial Techniques" carried out by **Mr.ABDUL HAMEED M**, IV Semester, M.Sc. course in Geoinformatics under my guidance for the partial fulfilment of M.Sc. Degree in Geoinformatics during the year 2020-21. Further, I certify that this work or a part thereof has not been the basis for the award of any degree or diploma.



**Dr.SHIVANNA**

**Professor**

**Department of Marine Geology**

**Mangalore University**

**CHAIRMAN**

**Department of Marine Geology**

**Mangalore University**

**Mangalagangotri-574199**

**Place: Mangalagangotri**

**Date: 13-10-2021**



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DEPARTMENT OF MARINE GEOLOGY

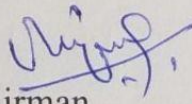
MANGALAGANGOTRI, KARNATAKA

## Chairman's Certificate

This is to certify that the dissertation work titled, "LAND USE / LAND COVER CHANGES IN AND AROUND KOLNADU VILLAGE, BANTWALA TALUL, DAKSHINA KANNADA , KARNATAKA BASED ON MULTIDATED SATELLITE IMAGERY " carried out by Mr. Ashwin Kumar K V, IV Semester, M.Sc. course in Geoinformatics under the guidance of Dr. H. Gangadhara Bhat, Professor, Department of Marine Geology, Mangalore University for the partial fulfillment of M.Sc. Degree in Geoinformatics.

Place: Mangalagangotri

Date: 25-08-2021

  
Chairman,

Department of Marine Geology

**CHAIRMAN**  
Department of Marine Geology  
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MSc. GEOINFORMATICS

### CHAIRMAN'S CERTIFICATE

This is to certify that dissertation work entitled “**RELATIONSHIP BETWEEN PATTNAM ARCHAEOLOGICAL SITE DISRIBUTION AND SURROUNDINGS, USING REMOTE SESING AND GIS**” is carried out by **DILNA SURENDRAN** of IV<sup>th</sup> semester MSc course in **Geoinformatics** and has satisfactorily completed under the guidance of **Prof Dr. Shivanna**, Department of Marine Geology, Mangalore University and **Dr. P J Cherian**, Director, Institute for the advancement of Trans-disciplinary archaeological sciences PAMA (Bappukkudi), Pattanam ,Kerala for the partial fulfilment of the requirement for the award of the degree of Master of science in Geoinformatics.

Place: Mangalagangotri

Date:

**Prof. Dr. Shivanna**

**Chairman**

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GEOINFORMATICS  
DEPARTMENT OF MARINE GEOLOGY

**CHAIRMAN'S CERTIFICATE**

This is to certify that the dissertation entitled “**FLOOD HAZARD MAPPING OF ZUARI RIVER DUE TO SELAULIM DAM BREACH, GOA USING GEOSPATIAL TECHNOLOGY**” is carried out by **Gudekar Amogh Arun** of fourth semester MSc in Geoinformatics has satisfactorily completed under the guidance of **Smt. Nirmala R** Assistant Professor Department of Marine Geology Mangalore University as internal guide for the partial fulfilment of the requirements for award of the degree of **Master of Science in Geoinformatics**.

Place: Mangalagangotri

Date:

**CHAIRMAN**

Department of Marine Geology

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**M.Sc. GEOINFORMATICS**

**CERTIFICATE**

This is to certify that dissertation entitled “**DAM BREAK ANALYSIS OF IDAMALAYAR IRRIGATION PROJECT USING GEOSPATIAL TECHNOLOGY**” submitted by **Kishor Thomas** (Reg No: 193171996). This record of research work carried out under my supervision during the fourth semester, in partial fulfilment of the award of the **Master of Science in Geoinformatics** from **Mangalore University, Mangalore**. It has not been submitted elsewhere for the award of any degree or diploma.

This project was carried out under my supervision and was found worthy of acceptance.

Place: Mangalagangothri

Date: 27/10/2021

*H. Gangadhara Bhat*

**Dr. H. Gangadhara Bhat**

**Professor**

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**Dr. H. GANGADHARA BHAT**

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**DEPARTMENT OF MARINE GEOLOGY**

**CO-ORDINATOR CERTIFICATE**

This is to certify that dissertation work entitled “**A STUDY OF SHORELINE CHANGES AT CHELLANAM COAST, KOCHI, KERALA, INDIA USING GEOSPATIAL TECHNIQUES**” is carried out by **Mr. Mahadevan A R** of IV<sup>th</sup> semester M.Sc. course in **Geoinformatics** and has satisfactorily completed under the guidance of **Asst. Prof. R. Nirmala** Department of **Marine Geology, Mangalore University** for the partial fulfilment of the requirement for the award of the degree of **Master of Science in Geoinformatics**.

Place: Mangalagangothri

Date:

**Dr. B R Manjunatha**  
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**M.Sc. GEOINFORMATICS**

**CO-ORDINATOR'S CERTIFICATE**

This is to certify that dissertation work entitled "A STUDY OF EMERGING HEAT ISLANDS AT MANGALORE TALUK, KARNATAKTA USING GIS AND REMOTE SENSING TECHNIQUES" is carried out by Master Rodrigues Aaron Lazarus of IV<sup>th</sup> Semester M.Sc. course in Geoinformatics and has satisfactorily completed under the guidance of Prof. Dr. Shivanna, Department of Marine Geology, Mangalore University and Prof. Dr. Nandkumar Sawant, Department of Geography and Research Centre, Parvatibai Chowgule College of Arts and Science for the partial fulfilment of the requirement for the award of the degree of Master of Science in Geoinformatics.

Place: Mangalagangothri

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**CO-ORDINATOR CERTIFICATE**

This is to certify that dissertation work entitled “FACTORS RESPONSIBLE FOR DRINKING WATER SCARCITY: CASE STUDY OF BEDADKA PANCHAYATH, KASARAGOD DISTRICT, KERALA” is carried out by Sanoj. C. M of IV<sup>th</sup> semester M.Sc. course in Geoinformatics and has satisfactorily completed under the guidance of Asst. Prof. R. Nirmala Department of Marine Geology, Mangalore University for the partial fulfilment of the requirement for the award of the degree of Master of Science in Geoinformatics.

Place: Mangalagangothri

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MSc. GEOINFORMATICS

CHAIRMAN'S CERTIFICATE

This is to certify that dissertation work entitled “CHANGE DETECTION IN LAND USE AND LAND COVER OF KASARAGOD TALUK USING REMOTE SENSING DATA AND GIS” is carried out by **Santhosh Kumar R** of IV<sup>th</sup> semester MSc course in **Geoinformatics** and has satisfactorily completed under the guidance of **Prof. Dr. H. Gangadhara Bhat**, Department of Marine Geology, Mangalore University and **Dr. Manoharan** Dept. of Post Graduate and Research in Geology Government College Kasaragod, Kerala for the partial fulfilment of the requirement for the award of the degree of Master of science in Geoinformatics.

*Place: Mangalagangotri*

*Date*

**Prof. Dr. Shivanna**

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**M.Sc. GEOINFORMATICS**

**CHAIRMAN'S CERTIFICATE**

This is to certify that dissertation work entitled “**ESTIMATION OF SOIL EROSION PROSPECT OF ERUMELY, KERALA USING GIS TECHNIQUES**” is carried out by **Mr. Shebin S Robert** of IVth semester **M.Sc.** course in **Geoinformatics** and has satisfactorily completed under the guidance of **Prof. Dr.Shivanna** **Department of Marine Geology, Mangalore University** for the partial fulfilment of the requirement for the award of the degree of **Master of Science in Geoinformatics.**

Place: Mangalagangothri

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MSc. GEOINFORMATICS

**CHAIRMAN'S CERTIFICATE**

This is to certify that the dissertation entitled " **Evaluation of Urban Heat Island changes in Mangalore Taluk, Dakshina Kannada, Karnataka**" is carried out by Saivi Mohana Shetty of fourth semester MSc in Geoinformatics has satisfactorily completed under the guidance of Smt. **Nirmala R** Assistant professor Department of Marine Geology Mangalore University for the partial fulfilment of the requirements for award of the degree of **Master of Science in Geoinformatics**.

Place: Mangalagangotri

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MSc. GEOINFORMATICS

### CERTIFICATE

This is to certify that dissertation entitled “PROSPECTING OF GROUND WATER POTENTIAL ZONES IN BEDADKA PANCHAYATH, KASARAGOD KERALA USING GEOSPATIAL TECHNIQUES” Submitted by SIVAPRASAD.A.C (Reg.No193172003) in partial fulfilment of the award of the Master of science in GEOINFORMATICS from Mangalore University, Mangalore. It has not been submitted elsewhere for the award of any degree or diploma.

The project was carried out under my supervision and was found worthy of acceptance.

Place: Mangalagangothri

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