

Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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Dr. S. G. Sreekanteswara Swamy Executive Secretary

27th March, 2017

Ref: 7.1.03/SPP/

The Principal
Alva's Institute of Engineering and Technology
Shobayana Campus,
Mijar, Moodbidri - 574 225.
Mangaluru.

Dear Sir,

Sub: Sanction of Student Project - 40th Series: Year 2017-2017

Your Project Proposal Reference No.: 40S_BE_0839

Ref : Your Project Proposal entitled " RS AND GIS BASED SITE SUSTAINABILITY ANALYSIS FOR

SOLID WASTE DISPOSAL FOR MOODBIDRI AND KARKALA

REGION

I am happy to inform that your project proposal referred above, has been approved by the Secretary, KSCST for "Student Project Programme - 40th Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Kishore.K	Budget	Amount (Rs)
	and others	Materials/Consumables	4,000.00
Guide/s	Prof. Sanjay S	Labor	
		Travel	500.00
Department	Civil Engineering	Miscellaneous	
		Report	500,00
	**	TOTAL	5,000.00
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The following are the guidelines to carryout the project work:

- a) The project should be performed based on the objectives of the proposal sent by you.
- b) The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- c) Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- d) Please quote your <u>project sanction reference number printed above</u> in all your future correspondences.
- e) Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.lisc.ernet.in] and should include following points:
 - 1) Title of the project
 - 2) Name of the College & Department
 - 3) Name of the students & Guide(s)

PR4) (Kexwords

's Institute of Engg. & Technology, at. MOODBIDRI - 574 225, D.K

- 5) Introduction / background (with specific reference to the project, work done earlier, etc) about 20 lines
- 6) Objectives (about 17 lines)
- 7) Methodology (about 30 lines) (materials, methods, details of work carried out, including drawings, diagrams etc)
- Results and Conclusions
 (about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).
 (Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)
- e) Projects selected for Seminar / Exhibition will be awarded.

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

* PLEASE VISIT URBAN LOCAL BODIES OF MOODBIDRI AND KARKALA TOWN AND CONTACT ENVIRONMENTAL ENGINEERS FOR MORE DETAILS.

The sanctioned amount will be sent separately by our Accounts Department.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly.

Please visit our website for further announcements / Information and for any clarifications please email to spp@kscst.iisc.ernet.in

(SGS Swamy)

You's sincere

Copy to:

1) The Head of the Department of
Civil Engineering
Alva'S Institute Of Engineering And Technology
Shobavana Campus,
Your Project Proposal Reference No.:
Mangaluru.

- 2) Frof. Sanjay S
 Department of Civil Engineering
 Alva'S Institute Of Engineering And Technology
 Shobavana Campus,
 Your Project Proposal Reference No.:
 Mangaluru.
- 3) The Finance Officer, KSCST, Bangalore

"RS AND GIS BASED SITE SUITABILITY ANALYSIS FOR SOLID WASTE DISPOSAL FOR MOODBIDRI AND KARKALA REGION"



PROJECT REPORT

Submitted by

GANESH R 4AL13CV036

M MANJUNATHA

4AL13CV046

KISHORE K

4AL13CV043

PRAVEEN KUMAR R

4AL13CV068

In partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

In

CIVIL ENGINEERING

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI-590018.

Under the Guidance of

INTERNAL GUIDE

Mr. SANJAY S

Assistant Professor

AIET, Mijar

EXTERNAL GUIDE

Dr.H.GANGADHARA BHAT

Professor of Marine Geology

Mangalore University, Konaje.



Department of Civil Engineering

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2016-2017

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR MOODBIDRI D.K. -574225 – KARNATAKA.

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

I stiffed that the project work entitled "RS AND GIS BASED SITE SUITABILITY ANALYSIS FOR SOLID WARTE DIRPOSAL FOR MOODBIDRI AND KARKALA REGION" is a bonafide work carried out by

> 4AL13CV036 GANESH R 4AL13CV043 KISHORE K 4AL13CV046 M MANJUNATHA 4AL13CV068 PRAVEEN KUMAR R

Are bonafide students of Department of Civil Engineering of Alva's Institute of Lugineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING of the VISVESVARAYA in CIVIL THE UNOLOGICAL UNIVERSITY, BELAGAVI during the year 2016-2017. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The project report has been approved as it satisfies the available requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.

Mr. Sanjay. S Project Guide Hangadhasa Brat NORBL

Dr.H.Gangadhara Bhat Prof. B Durgaprasad Baliga External Guide Head of the Bepartment
Prof. H. GANGADHARA BHAT Dept. of Civil Engineering

Dr.Peter Fernandes PRINCIPAL

Geoinformatics

Coordinator Alva's Institute of Engg. & Tedymology, Mijar, Moodbidri - 574 2Ksjer, MOODBIDRI - 574 225, D.K.

Dept. of Marine Geology Mangalore University **MANGALAGANGOTHRI - 574 199**

Name of the Examiners

Signature with Date

ABSTRACT

management is a global environmental problem in today's world. There is an an advelopment in this has negative impact on the environment. Urban solid waste management is one of the most serious environmental problems confronting municipal developing countries. The main objective of our study is to prepare a suitable dumping solid waste generated from Karkala and Moodbidri Municipal areas.

The study area has been prepared from Survey of India Topographical maps of the study area has been prepared from Survey of India Topographical maps of the prepared from Indian Remote Sensing Satellite (Resourcesat) imagery.

The to an increase in the awareness of environmental risks from landfills, there has a more towards the selection of new solid waste disposal sites for the city, these more to solve environmental problem, a multi criteria analysis approach using remote and late into computerized maps and map analysis tools can be used to manipulate maps. Remote sensing and Geographical information analysis were used to find out suitable site of waste disposal. All the thematic vector layer were made introduced in to overlaying and weightage analysis to carry out Site Suitability analysis tool in Arc GIS 10.1 to target potential sites for waste