



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

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office.kscst@iisc.ac.in

Mr. H. Hemanth Kumar
Executive Secretary

16th March 2020

Ref: 7.1.01/SPP/953

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 43rd Series: Year 2019-2020

Your Project Proposal Reference No. : **43S_BE_0137**

Ref : Your Project Proposal entitled " **ASSESSMENT OF SURFACE AND Ground WATER QUALITY IN AND AROUND GURUPURA, MANGALORE(TALUK)**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 43rd Series" with a budgetary break-up as detailed below:

Student / s	Mr. Amith R	Budget	
	Ms. Arpitha B Shetty	Particulars	Amount (Rs.)
	Ms. Chandana V	Materials/Consumables	4,000.00
	-	Labour	-
Guide/s	Prof. Ashish Shetty	Travel	-
	-	Miscellaneous	500.00
	-	Report	500.00
Department	Civil Engineering	Total	5,000.00
Five Thousand Rupees Only			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- 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.
- 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.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

Dr. Dattathraya (Datt)
for D/er

[Signature]
PRINCIPAL
Alva's Institute of Engg. & Technology,
Moodbidri - 574 225, D.K

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) 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.

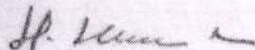
The sanctioned amount will be sent through crossed cheque to the Principal. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

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

Thanking you and with best regards,

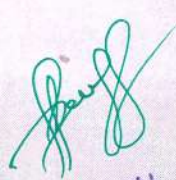
Yours sincerely,


(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of
Civil Engineering
Alva'S Institute Of Engineering And Technology,
Moodbidri - 574 225.
- 2) Prof. Ashish Shetty
Department of Civil Engineering
Alva'S Institute Of Engineering And Technology,
Moodbidri - 574 225.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above


PRINCIPAL
Alva's Institute of Engg. & Technology,
Moodbidri - 574 225, D.K.

**“ASSESSMENT OF SURFACE AND GROUND WATER QUALITY IN
AND AROUND GURUPURA”**



PROJECT REPORT

Submitted by

ARPITHA B SHETTY

4AL15CV017

AMITH R

4AL16CV005

CHANDANA V

4AL16CV024

**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

Mr.AshishShetty

Assistant Professor

AIET, Mijar



Department of Civil Engineering

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2019-2020

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. - 574225
KARNATAKA



ALVA'S
Education Foundation

DEPARTMENT OF CIVIL ENGINEERING

CERTIFICATE

Certified that the project work entitled "ASSESSMENT OF SURFACE AND GROUND WATER QUALITY IN AND AROUND GURUPURA" has been successfully completed by

ARPITHA B SHETTY

4AL15CV017

AMITH R

4AL16CV005

CHANDANA V

4AL16CV024

The bonafide students of Department of Civil Engineering ,Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in CIVIL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY BELAGAVI during the year 2020. 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 academic requirements in respect of seminar work prescribed for the Bachelor of Engineering Degree.

Ashish
Mr. Ashish Shetty
Project Guide

Name of the examiners

- 1.
- 2.

[Signature]
Dr. H AJITH HEBBAR
Head of the Department
Alva's Institute of Engineering & Technology
Mijar, Moodbidri - 574 225

Signature with date

[Signature]
Dr. PETER FERNANDES

Principal

PRINCIPAL
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225, K.A.

ABSTRACT

In the present study, the water samples were collected from seven different stations of Gurupura River, and also from 6 different wells in Gurupura Town, Mangalore Taluk, Dakshina Kannada District, Karnataka, India, for physico-chemical analysis. Water was collected for the analysis of various parameters such as Temperature, pH, Electrical conductivity, Suspended solids, Dissolved solids, Total solids, Biochemical Oxygen Demand (BOD), Carbonates, Bicarbonates, Chloride. The methods used for the analysis are as per standard methods recommended by APHA (2005), WHO. The result obtained was compared with BIS standard and the result shows variation that affects the water quality. Hence water should be treated to reduce the pollution in the water and increase the water quality.