



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru - 560 012

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Email: office.kscst@iisc.ac.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

19th April 2021

Ref: 7.1.01/SPP/10

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

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_3782**

Ref : Your Project Proposal entitled " **DETECTION OF LACK OF NUTRIENT IN COFFEE AND BANANA USING IMAGE PROCESSING**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Ms. Ahimsa Jain	Budget	
	Mr. Thangsabam Bikumar Singh	Particulars	Amount (Rs.)
	Ms. Varada	Materials/Consumables	4,000.00
	Ms. Zeenal Manola Lobo	Labour	-
Guide/s	Mr. Pradeep Nayak	Travel	-
	Dr. Kiran B Malagi	Miscellaneous	500.00
Department	Information Science And Engineering	Report	500.00
		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 softcopy of the full report in a CD (single file .pdf format only) 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

PRINCIPAL

Alva's Institute of Engg. & Technology,
Mijar. MOOBBIDRI - 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.)

The sanctioned amount will be sent to the Principal / Head of the Institute by NEFT details provided by the college/institution.

The sponsored projects evaluation will be held in the Nodal Centre /online platform and the details of the same 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 (by email):

- 1) Dr. Kiran B Malagi
SPP Coordinator
Alva'S Institute Of Engineering And Technology,
Shobavana Campus,
Mijar, Moodbidri - 574 225.
- 2) Mr. Pradeep Nayak
Department of Information Science And Engineering
Alva'S Institute Of Engineering And Technology,
Shobavana Campus,
Mijar, Moodbidri - 574 225.
- 3) The Finance Officer, KSCST, Bangalore

End: As Above



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

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA CAMPUS, BELGAVI-590018



PROJECT REPORT

On

“DETECTION LACK OF NUTRIENTS IN COFFEE AND BANANA USING IMAGE PROCESSING”

Submitted by

AHIMSA JAIN

4AL17IS001

THANGSABAM BIKUMAR SINGH

4AL17IS051

ZEENAL MANOLA LOBO

4AL17IS053

VARADA

4AL16IS058

In partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

In

INFORMATION SCIENCE AND ENGINEERING

Under the Guidance of

Mr. PRADEEP NAYAK

Assistant Professor



**DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY**

Moodbidri-574225, Karnataka

2020– 2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOOBBIDRI D.K. -574225
KARNATAKA

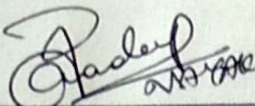


DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING
CERTIFICATE

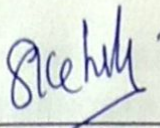
Certified that the project work entitled "DETECTION LACK OF NUTRIENTS IN COFFEE AND BANANA USING IMAGE PROCESSING" is a bonafide work carried out by

AHIMSA JAIN	4AL17IS001
THANGSABAM BIKUMAR SINGH	4AL17IS051
ZEENAL MANOLA LOBO	4AL17IS053
VARADA	4AL16IS058

in partial fulfilment for the award of BACHELOR OF ENGINEERING in **INFORMATION SCIENCE AND ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM** during the year 2020-2021. 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 project work prescribed for the Bachelor of Engineering Degree.


Mr. PRADEEP NAYAK

Project Guide


Mr. SUDHEER SHETTY

Head of Department


Dr. PETER FERNANDES

PRINCIPAL
Principal
Alva's Institute of Engrg. & Technology,
Mijar, MOOBBIDRI - 574 225, D.K.
Signature with Date

Name of the Examiners

1.

2.

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MIJAR, MOOBBIDRI D.K. -574225
KARNATAKA



DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

DECLARATION

We,

AHIMSA JAIN

THANGSABM BIKUMAR SINGH

ZEENAL MANOLA LOBO

VARADA

hereby declare that the dissertation entitled, "*DETECTION LACK OF NUTRIENTS IN COFFEE AND BANANA USING IMAGE PROCESSING*" is completed and written by us under the supervision of our guide **Mr. PRADEEP NAYAK**, Assistant Professor, Department of Information Science and Engineering, Alva's Institute of Engineering And Technology, Moodbidri, in partial fulfilment of the requirements for the award of the degree BACHELOR OF ENGINEERING in DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the academic year 2020-2021. The dissertation report is original and it has not been submitted for any other degree in any university.

AHIMSA JAIN	4AL17IS001
THANGSABAM BEEKUMAR SINGH	4AL17IS051
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