



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

24th April 2017

Ref: 7.1.01/SPP/ 1868

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

Dear Sir,

Sub : Sanction of Student Project - Series: Year : 2016-2017
Your Project Proposal Reference No. : 40S_BE_0865

Ref : Your Project Proposal entitled "DESIGN AND FABRICATION OF REMOTE CONTROLLED COCONUT HARVESTING MACHINE"

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:

Student / s	Mr. ADARSH R NAIR and others	Budget	Amount (Rs)
		Materials/Consumables	6000.00
Guide/s	PROF. PRAVEEN K C	Labor	500.00
		Travel	500.00
Department	Mechanical Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	8000.00
	RUPEES EIGHT THOUSAND		

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 sanction 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,
Moodbidri - 574 225, D.K

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELAGAVI 590018**



A project report on

**Design and Fabrication of Remote Controlled Coconut Harvesting
Machine**

Submitted in partial fulfillment of the requirements for the degree of

BACHELOR OF ENGINEERING

In

MECHANICAL ENGINEERING

By

ADARSH R NAIR

4AL13ME701

JOEL JOSEPH

4AL13ME717

NIKHIL M J

4AL13ME727

RAMESH

4AL13ME736

Under the Guidance of

Mr. PRAVEEN K C

Assistant professor, Dept. of Mechanical Engg.



Department of Mechanical Engineering

ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOODBIDRI-574225, KARNATAKA

2016 – 2017

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Mijar, Moodbidri D.K. -574225 – Karnataka



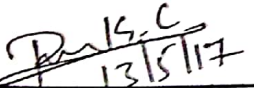
DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

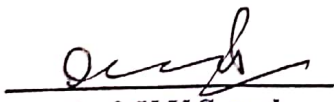
Certified that the project work entitled "Design and Fabrication of Remote Controlled Coconut Harvesting Machine" is a bonafide work carried out by


ADARSH R NAIR	4AL13ME701
JOEL JOSEPH	4AL13ME717
NIKHIL M J	4AL13ME727
RAMESH	4AL13ME736

Are bonafide student of Mechanical engineering Alva's Institute of Engineering and Technology in partial fulfillment for the award of BACHELOR OF ENGINEERING in MECHANICAL ENGINEERING of the VISVESVARAYA TECHNOLOGICAL 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 academic requirements in respect of Project work prescribed for the Bachelor of Engineering Degree.


13/5/17

Mr. Praveen K C
Project Guide


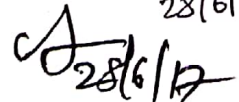

Prof. K.V. Suresh
Head of the Department of Mechanical Engineering
Dept. of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225
External Viva


Dr. Peter Fernandes
Principal
PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.

Name of the Examiners

1. Hemant Suvarra
2. Shrikant N Patil

Signature with Date


28/6/17

28/6/17

ABSTRACT

With the advancement of technology things are becoming simpler and easier for us. Automation plays an increasingly important role in the world economy and in daily experience. In order to meet the food requirements of the growing population and rapid industrialization, modernization of agriculture is escapable. Mechanization reduces unit cost of production through the higher productivity and input conservation. Farmers are using the same methods and equipment for the ages. In our country farming is done by traditional ways, besides that there is a large development of industrial and service sector as compare to that of agriculture.

Coconut harvesting is still done without proper safety measures which can had to serious causalities. The project presented here focus on coconut harvesting and controlling remotely by an operator on the ground. Here climbing is done by using wheels.