

# **ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

(Affiliated to Visvesvaraya Technological University, Belagavi Approved by AICTE, NewDelhi  
& Recognised by Government of Karnataka)

Shobhavana Campus, Mijar – 574225, Moodbidri.  
Dakshina Kannada Karnataka, India.



**A REPORT**

**ON**

**“INNOVATION & WE CLUB”**



## Contents

<b>Sl. No.</b>	<b>Descriptions</b>	<b>Page No.</b>
<b>1</b>	Mission and Vision of the Lab	
<b>2</b>	Establishment details of the lab	
<b>3</b>	List of Innovation and we club faculty members	
<b>4</b>	Activity Report for the Academic Year 2018-19	
<b>5</b>	Activity Report for the Academic Year 2019-20	



## Innovation and We (IWe) Club

### Vision

To involve the industries, along with the students and faculty members, in an innovation campaign, whereby AIET rejuvenates technology education and develops quality research at institute and helps create a culture of design, new and improved products and processes in our industry.

### Mission

IWe club objective is to nurture creativity and innovation within the Institute community

### Objectives

- To provide advancements of knowledge in innovation pertaining to engineering and technology.
- To enable to generate new ideas and become innovative
- To organize technical events for the students by technical experts in innovative ideas.
- To provide platform to students for various opportunities to show and exhibit their ideas.
- To encourage students to carry Interdisciplinary projects

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

## **Establishment**

### **Introduction**

Innovation and We Club is established/initiated in the year 2017 by students. Club has been designed to establish close bonding between industries, entrepreneur and students to make research and development at the institute relevant to the needs of industries at national or international levels in the fields of Science, Engineering, Technology and Management. Considering imagination is the base of innovation, Alva's Institute of Engineering and Technology (AIET) nurtures the soft skills and talent of the students to lead their imagination in a proper way. In the club, technical events for the students by technical experts / alumni will be conducted. Students will be encouraged to carry Interdisciplinary projects other than academic aspects.



**I and We Club Entrance**

### **Coo-ordinators of Innovation & We Club**

**Main Co-ordinator : [Satyanarayan](#)**

<b>Sl. No</b>	<b>Department</b>	<b>Faculty Coordinator/Guide</b>
1	Civil Engineering	Dr. H G Umeshchandra
		Prof. Sandeepkumar DS
		Prof. Shankargiri S
2	Computer Science and Engineering	Dr. Sumith N.
		Prof.. Sushant Mangasuli
3	Electronics and Communication Engineering	Prof.. Sudhakar
		Prof.. Sachin K
		Prof.. Santhosh S
4	Information Science and Engineering	Prof. Vanya Shree
5	Mechanical Engineering	Prof. Harish K
		Prof. G B Vaggar and
		Dr. Satyanarayan
		Prof. Harish K and Dr. Satyanarayan
		Prof. Yogish Rao

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Dakshina Kannada Karnataka, India.



**ACTIVITIES - REPORT ON**

**“INNOVATION & WE CLUB”**

**2018-19**



## Contents

Sl. No.	Descriptions	Page No.
1	Innovation and we club projects list	
2	Meeting circulars and minutes of meetings.	
3	C & C++ Training program by <b>Mr. Chandan Shastri</b> , ISE student	
4	Innovation and We club completed project exhibition photos.	
5	Completed project report certificate copy	
6	Conceptual projects done under Innovation and We club.	



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**INNOVATION AND WE CLUB**



**Innovative Projects**  
**(2018-2019)**

Sl. No	Department	Name of the Project	Faculty Coordinator/Guide
1	Civil Engineering	Physical and Chemical properties of ordinary and self compacting concrete of different grades.	Prof. H C M Swamy
		Application of humidity sensor on agriculture field	Dr. H G Umeshchandra
		A Study on Strain Energy required to Create Fracture in Plain Concrete of Different Grades Subjected to Compression, Flexure, Shear and Torsion.	Prof. H C M Swamy
2	Computer Science and Engineering	Automated Question Paper Generator System	Dr. Sumith N.
		A Web Oriented Application for E-Commerce on Agricultural Product.	Dr. S. Mohideen Badhusa
3	Electronics and Communication Engineering	Smoke detection in home using Microcontroller	Prof. Jayaprakash M
		Mobile phone Detector	Prof. Sachin K
		Smart irrigation system using microcontroller	Prof. Jayaprakash M
4	Information Science and Engineering	Mess-Bill Management System for Alva's Hostel	Dr. Roopalakshmi. R
		Android App. for Detection of Artificial Ripening of Vegetables	Dr. Roopalakshmi. R
5	Mechanical Engineering	Design And Fabrication Of Compact Solar Modular System For Efficient Storage Of Solar Energy	Dr. Satyanarayan
		Automatic Fire Extinguisher	Prof. Yogesh Rao
		CNC writing machine	Prof. G B Vaggar and Prof. Jayaprakash
		Underwater Object detection	Prof. Shankarappa Kalgudi
		Vehicle Detection At S-Turns	Dr. Satyanarayan
		Vertical Forming	Prof. Kiran C H

*Sk. Meel*

*[Signature]*  
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Mijar, MOODBIDRI - 574 225, D.K.



Alva's Institute of Engineering and Technology  
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore DK  
Karnataka, INDIA.

6/8/2018

CIRCULAR

The Faculty Members of "Innovation Club" are hereby informed to attend the meeting TODAY at 3.30PM to discuss about the selection of projects as part of Innovation club for the academic year 2018-19.

Venue : Innovation Club room

Principal  
PRINCIPAL

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

cc: All HoD's

ISE

CSE

ECE

ME

CV

Phy

chem.

MATHS

NBA

Co-ordinator



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Date: 13-8-2018

INNOVATION AND WE CLUB

This is to inform that five teams have enrolled into the "Innovation and We" club this academic year. The following are the details.

Team1 : RASIK

PARIKSHITH  
VEEKSHITH  
SANATH  
SHASHIKANTH  
MALLIKARJUN

Team 2: CHANDAN

AFNAN

Team3 : VISHAL NAYAK

MARSH LOBO

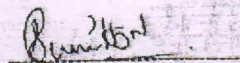
Team4 : DATTA KIRAN

MADAN

Team 5: JYOTHI LASHMI

SHRUTHI KAMATH  
SONALI SHETTY

To help students carry out projects, the club coordinators will be available after the working hours of Saturday at the innovation lab at the ground floor. Students are informed to make use of this facility.

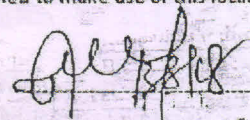


Dr. Sumith N.

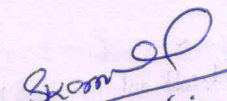
Dr. S Mohideen Badhusha

Copy to: Dr. Satyanarayana, Innovation and We coordinator

: Principal, AIET, Mijar



Dr. Manjunath Kotappa & Engineering  
Institute of Engg. & Technology  
Mijar, MOODABIDRI - 574 225

  
Co-ordinator

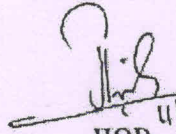


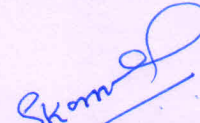
DEPARTMENT OF MECHANICAL ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
Shobhavana Campus, Miljar-574 225, Moodbidri.  
Dakshina Kannada, Karnataka, INDIA.  
Email: aletmech08@gmail.com


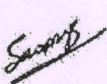
Date: 11/09/2018

CIRCULAR

All the Innovation club members are hereby informed to attend the meeting today at 4.45pm in the Innovation club.

  
HOD 11/9/2018

  
Co-ordinator

VI B1 &  
III A CAH  
V KA - Jm  
I D -   
II T. @Alva. KH  
III B 



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## INNOVATION AND WE CLUB

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 11.09.2018

Innovation and We Club that the Innovation and We Club meeting has been conducted on 11.09.2018 at 4.00 pm at Innovation We Club Room 103. All the faculty and students members of innovation club have attended the meeting and appraised the progress and improvements with regard to innovation club projects in terms of work progress. The following are the minutes of meeting which have been recorded during meeting.

#### Minutes of Meeting

- Abstracts on new innovation projects have been delivered by the students members and the entire project has been defined with technical flow.
- The faculty members and students of innovation club have been asked to keep the deadline of the projects and complete the projects and submit them in time.
- The students of innovation club have been asked to make use of the Innovation Room effectively for computer resources and their research activities.
- The students of innovation club have to consult their respective guide weekly atleast twice on monday and friday between 4.00 pm to 5.00 pm for clarifying their doubts and appraising the current status of the projects.
- The students of innovation club have been asked to pick anyone of 12 IoT based projects which were already sent, related to their domain and make use of it for the major project.

Innovation Club Supervisors

Dr. S.Mohideen Baputista

Dr. Sumith. N.

Prof. Vivek Sharma

Prof. Ankitha

Dr. Manjunath K. K.

Dept. of Computer Science & Engineering  
Alvas Institute of Engineering & Technology  
Mijar, Moodbidri - 574225

Copy to Principal, AICTE and Co-ordinator / Innovation We Club

*Sumith N.*  
Co-ordinator



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 Phone: 08258-262725, Fax: 08258-262726  
**DEPARTMENT OF CIVIL ENGINEERING**

Date: 17/9/18

Minutes of Meeting: 4 to 5.30 PM

**Umesh Chandra Batch:**

1. Students are started studying about Sensor and its mechanism.
2. Advised to prepare detail study about the topic and prepare a write up regarding the project.
3. It is advised to prepare Synopsis about the Topic.

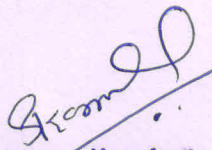
**HCM Swamy Batch:**

**V SEM**

1. Concrete mix design for M20 is prepared and casted 3 beams and a cube.
  2. It is planned to cast total another 9 sample beams of size 10 x 10 x 50 CM on Friday and Saturday in the lab.
  3. students are instructed to prepare mix design for M 30 concrete mix.
- From Next week the scheduled meeting is between 4 to 4.30 for V semester and 4.30 to 5 for III Semester students.

**I SEM**

1. It is decided to conduct "The Property of Concrete" by using Physics concepts like conductivity, Insulation, Resistance and Thermal Conductivity for I Semester Physics Cycle.
2. For Chemistry Cycle it is decided to conduct "Electrolytic action of concrete, corrosion, Scaling resistivity of concrete" by using simple experimental methods.

  
**Co-ordinator**



# ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY INNOVATION AND WE CLUB

Department of Information Science & Engineering

## MINUTES OF MEETING

Date: 19-09-2018

### Agenda:

ISE department Innovation team meeting to discuss about Innovation club and starting of new innovative projects.

Venue: Innovation Club, Ground Floor, AIET.

Time: 4.30 – 5.45 PM.

### Minutes of the Meeting:

The meeting started with Club coordinator's introduction of projects followed by the various research problem domains for implementing as innovative projects. Specifically, individual team discussions are summarized as follows:

**Team 1:** discussed their reviews about projects related mobile application development for any social issues.

**Team 2:** discussed their views about the project dealing with chemical ripening of fruits including seasonal and non-seasonal fruits as well as vegetables.

### Action Plan:

Based upon the suggestions given by committee members, both the project teams have finalized their Action plans as follows: To finalize their innovative project topic for implementation in the current semester.

Attended Committee Members Name & Signature:

Dr. Roopalakshmi.R	<i>Roop</i>	Ms. Vanyashree	<i>Vanyashree</i>
Th. Bikumar Singh	<i>Th. Bikumar Singh</i>	Vishak Amin	<i>Vishak</i>
Lokesh P	<i>Lokesh</i>	Dikshit Kotian	<i>Dikshit</i>
Manish R	<i>Manish</i>	Mayuresh Kunder	<i>Mayuresh</i>
Akshata L Hegde	<i>Akshata</i>	Rachana Shetty	<i>Rachana</i>
Karuna N Raj	<i>Karuna</i>	Divyashree Shetty	<i>Divyashree</i>

*Roop*  
Innovation Club (ISE) Coordinator

*HOD*  
HOD, ISE

H. O. D.

Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology,  
Milar, MOODBIDRI - 574 239



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**Co-ordinator**



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## INNOVATION AND WE CLUB

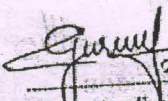
Date: 20/09/2018

### DEPARTMENT OF MECHANICAL ENGINEERING

In Innovation and We club Room 103, a meeting has been conducted on 18/09/2018 at 5.00 pm. five project batches and five faculties have attended the meeting. The minutes of the meeting are as follows.

#### Minutes of the meeting

1. Finalization of Title & abstract of the project conveyed to students.
2. Finally out of nine projects five projects are finalized under Innovation and we club from Mechanical department.
3. Students has to submit after this meeting immediately detail flow chart of work to be carried out, budget & materials requirement of each projects.
4. Each project batch has to submit every week progress report in a prescribed format.
5. Every alternate week students need to explain about progress / plan of work / views about the innovative projects

 20/9/18.

Faculty coordinator (Dept)  
Innovation and We club

Dr. Satyanarayan

Prof. Yogish Rao

Prof. Shankarappa K

Prof. G B Vaggar



HOD

Dept. of Mechanical Engineering

H. O. D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

  
Co-ordinator



INNOVATION AND WE CLUB

Date: 25/09/2018

DEPARTMENT OF MECHANICAL ENGINEERING

In Innovation and We club Room 103, a meeting has been conducted on 25/09/2018 at 5.00 pm. five project batches 12 students and five faculties have attended the meeting. The minutes of the meeting are as follows.

Minutes of the meeting

1. Discussed about progress of all five projects with the students.
2. Cost estimation finalization of each projects.
3. Some of the project batch students shown interest to learn Arduino programs to carry out project.
4. Each project batch has to submit requirement components in detail.

Faculty coordinator (Dept)  
Innovation and We club  
Dr. Satyanarayan  
Prof. Yogish Rao  
Prof. Shankarappa K  
Prof. G B Vaggar

HOD  
Dept. of Mechanical Engineering

  
**Co-ordinator**



# ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY INNOVATION AND WE CLUB

Department of Information Science & Engineering

## MINUTES OF MEETING

Date: 03-10-2018

### Agenda:

ISE department Innovation team meeting to discuss about progress of projects.  
Venue: Innovation Club, Ground Floor, AIET.

Time: 4.35 - 6.00 PM.

### Minutes of the Meeting:

The meeting started with Club coordinator's introduction of projects followed by the queries about the issues faced in implementation of projects. Specifically, individual team discussions are summarized as follows:

**Team 1:** queries related to SQL database creation for ISE were discussed.

**Team 2:** Fruit ripening stages and involvement of Ethylene gas in those stages for detection of artificially ripened fruits followed by Ethylene gas detection sensors were discussed.

### Action Plan:

Based upon the suggestions given by committee members, individual project teams have finalized their Action plans as follows:

**Team 1:** checking all the possibilities for learning SQL database creation aspects.

**Team 2:** Detailed study of fruit ripening process along with various stages involved for the given project.

Attended Committee Members Name & Signature:

Dr. Roopalakshmi.R		Ms. Vanyashree	
Th. Bikumar Singh		Vishak Amin	
Lokesh P		Dikshit Kotian	
Manish R		Mayuresh Kunder	
Akshata L Hegde		Rachana Shetty	
Karuna N Raj		Divyashree Shetty	

Innovation Club (ISE) Coordinator

Co-ordinator

HOD, ISE  
H. O. D.

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Mijar, MOODBIDRI - 574 226



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# ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY INNOVATION AND WE CLUB

Department of Information Science & Engineering

## MINUTES OF MEETING

Date: 10-10-2018

### Agenda:

ISE department Innovation team meeting to discuss about progress of projects.

Venue: Innovation Club, Ground Floor, AIET.

Time: 4.45 – 5.55 PM.

### Minutes of the Meeting:

The meeting started with Club coordinator's introduction of projects followed by the queries about the issues faced in implementation of projects. Specifically, individual team discussions are summarized as follows:

**Team 1:** queries related to Java database creation for ISE LIVE-DATABASE were discussed.

**Team 2:** Type of sensors including CNT sensors and electrochemical sensors for detection of artificially ripened fruits – their suitability issues were discussed.

### Action Plan:

Based upon the suggestions given by committee members, individual project teams have finalized their Action plans as follows:

**Team 1:** Trying all the possibilities for learning database creation aspects.

**Team 2:** Detailed study of required sensors and their suitability for the given project.

### Attended Committee Members Name & Signature:

Dr. Roopalakshmi.R		Ms. Vanyashree	
Th. Bikumar Singh		Vishak Amin	
Lokesh P		Dikshit Kotian	
Manish R		Mayuresh Kunder	
Akshata L Hegde		Rachana Shetty	
Karuna N Raj		Divyashree Shetty	

Innovation Club (ISE) Coordinator

HOD, ISE

H. O. D.

Dept. Of Information Science & Engineering  
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## INNOVATION AND WE CLUB

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 15.02.2019

Innovation and We Club that the Innovation and We Club meeting has been conducted on 13.02.2019 at 5.00 pm at Innovation We Club. All the faculty and students members of innovation club have attended the meeting and demonstrated their projects in terms of work progress. The minutes of meeting are presented as follows.

#### Minutes of Meeting

- The on-going innovation projects have been demonstrated practically by the students members along with their guides.
- The students of innovation club have been asked to complete and present the innovation projects on or before 15 March 2019.
- The students and the faculty members of innovation club have been encouraged to apply their research papers to reputed International Journals.
- The faculty members of innovation club have been asked to encourage the students to complete their innovative projects and present them before the deadline.
- The detailed minutes of meeting of the progress of the innovative projects are recorded as given below.

  
Co-ordinator

[P.T.O.]



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## INNOVATION AND WE CLUB

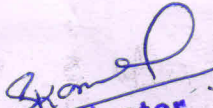
### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 28.02.2019

Innovation and We Club that the Innovation and We Club meeting has been conducted on 27.02.2019 at 5.00 pm at Innovation We Club. All the faculty and students members of innovation club have attended the meeting and demonstrated their projects in terms of work progress. The minutes of meeting are presented as follows.

#### Minutes of Meeting

- The on-going innovation projects have been demonstrated practically by the students members along with their guides.
- The students of innovation club have been asked to complete and present the innovation projects on or before 15 March 2019.
- From the discussion with the students and the faculty members of innovation club, it is known that they have applied their research papers to International Conferences under Innovation Club, AIET.
- The student members of innovation club have been asked to demonstrate the project practically.
- The detailed minutes of meeting of the progress of the innovative projects are recorded as given below.

  
**Co-ordinator**

[P.T.O]



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
INNOVATION AND WE CLUB

Department of Information Science & Engineering

MINUTES OF MEETING

Date: 08-03-2019

Agenda:

ISE department Innovation team meeting to discuss about progress of projects.

Venue: Innovation Club, Ground Floor, AIET.

Time: 5.00 – 5.55 PM.

Minutes of the Meeting:

The meeting started with Club coordinator's introduction of projects followed by the queries about the issues faced in implementation of projects. Specifically, individual team discussions are summarized as follows:

**Team 1:** Basics of GUI development for detection of artificially ripened fruits – suitable tools and platforms were discussed.

Action Plan:

Based upon the suggestions given by committee members, the project team has finalized their Action plans as follows:

**Team 1:** Detailed study of Histograms and their usage for detection of color based features of fruits using MATLAB.

Attended Committee Members Name & Signature:

Dr. Roopalakshmi.R	
Vishak Amin	
Dikshit Kotian	
Mayuresh Kunder	
Rachana Shetty	
Divyashree Shetty	

Innovation Club (ISE) Coordinator

HOD, ISE

H. O. D.

Department of Information Science & Engineering  
Alvas Institute of Engg. & Technology  
Mysore 574 225



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Co-ordinator



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
INNOVATION AND WE CLUB

Department of Information Science & Engineering

MINUTES OF MEETING

Date: 22-03-2019

Agenda:

ISE department Innovation team meeting to discuss about progress of projects.

Venue: Innovation Club, Ground Floor, AIET.

Time: 4.55 – 5.55 PM.

Minutes of the Meeting:

The meeting started with Club coordinator's introduction of projects followed by the queries about the issues faced in implementation of projects. Specifically, individual team discussions are summarized as follows:

**Team 1:** MATLAB implementation of GUI for detection of artificially ripened fruits – their issues and solutions were discussed.

Action Plan:

Based upon the suggestions given by committee members, the project team has finalized their Action plans as follows:

**Team 1:** Detailed study of MATLAB coding and Image capturing using MATLAB.

Attended Committee Members Name & Signature:

Dr. Roopalakshmi.R	
Vishak Amin	
Dikshit Kotian	
Mayuresh Kunder	
Rachana Shetty	
Divyashree Shetty	

Innovation Club (ISE) Coordinator

CS Co-ordinator

H.O.D.



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## INNOVATION AND WE CLUB

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 29.03.2019

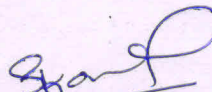
Innovation and We Club that the Innovation and We Club meeting has been conducted on 27.03.2019 at 5.00 pm at Innovation We Club. The students members of innovation club have attended the meeting and demonstrated their projects in terms of work progress. The minutes of meeting are presented as follows.

#### Minutes of Meeting

- The on-going innovation projects have been demonstrated practically by the students members.
- The student members of innovation club have been asked to demonstrate the projects practically.
- The student members of innovation club have been emphasized to complete the projects and submit the same to their respective supervisor on or before 8 April 2019.
- The faculty members have to ensure the completion of the innovation project of their students and make them complete it in time and make them ready to demonstrate in the next Innovation meeting scheduled to be conducted on 10.4.2019 (Final Deadline).
- The student members of innovation club have been emphasized to submit the finalized projects along with project report in the Innovation meeting scheduled to be conducted on 10.4.2019 (Final Deadline).
- The detailed minutes of meeting of the progress of the innovative projects are recorded as given below.

#### Enclosures:

1. Progress report
2. Attendance of the meeting

  
Coordinator



Alva's Institute of Engineering and Technology  
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore  
Karnataka, INDIA.

6/2/2019

CIRCULAR

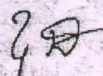




The Faculty Members of "Innovation Club" are hereby informed to attend the meeting Tomorrow (7/2/2019) at 3.00PM to discuss about the Progress of the Innovation club projects for the academic year 2018-19.

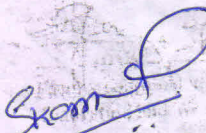
Venue: Innovation Club room

  
Principal  
PRINCIPAL

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

cc: All HoD's (Engineering HoD)

CSE   
ISE   
EC -   
ME -   
CV. 

  
Co-ordinator



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## INNOVATION AND WE CLUB

**Title of Project:** DESIGN AND FABRICATION OF COMPACT SOLAR  
MODULAR SYSTEM FOR EFFICIENT STORAGE OF SOLAR ENERGY

Under the Guidance: Dr. SATYANARAYAN

► Students involved in Project: -

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
RAKESH	4AL16ME052	MECH 5 <sup>TH</sup> SEM A SECTION	rakeshpawar1717@gmail.com	18/09/2018	30/09/2018
CHEETHAN N	4AL16ME012	MECH 5 <sup>TH</sup> SEM A SECTION	gowdachethan186@gmail.com	18/09/2018	30/09/2018

## ABSTRACT

**Abstract-**

This concept deals with innovative thought in the field of Energy Engineering (Mechanical), where it is related to the renewable source of energy i.e. solar energy. In this solar energy field of Technology, the largest drawback is the initial investment/cost, land area and energy storage.

"The Space Efficient Solar Energy" is a newly emerged engineering thought/idea, in which it reduces the space consumption made by the present conventional method of solar plant installation. This space reduction is mainly based on the unique geometrical constructional assemblage and with a supporting device used for energy extraction. Tracking the sun's path, the reflection angle and reflecting height to geometrical aspect should consider.

Keywords: energy, drawback, investments, land area, unique geometry, plant, supporting device, extraction.

Faculty coordinator (Dept. of Mechanical Engineering  
Innovation and We club)

H. O. D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Wazir, MOODGURU - 574 225

Principal

Alva's Institute of Engineering & Technology

Co-ordinator.



INNOVATION AND WE CLUB

Title of Project: VEHICLE DETECTION AT S-TURNS.

Under the Guidance: Dr. SATYANARAYAN

➤ Students involved in Project: -

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
PARTHASARTHY D J	4AL16ME043	MECH 5 <sup>TH</sup> SEM A SECTION	parthasarathydj7@gmail.com	18/09/2018	30/09/2018
NAGASUNDAR K S	4AL16ME035	MECH 5 <sup>TH</sup> SEM A SECTION	nagasundar01@gmail.com	18/09/2018	30/09/2018
NAVEEN A	4AL16ME036	MECH 5 <sup>TH</sup> SEM A SECTION	naveennacchi12@gmail.com	18/09/2018	30/09/2018
NAVEEN H R	4AL16ME038	MECH 5 <sup>TH</sup> SEM A SECTION	naveenhr996617@gmail.com	18/09/2018	30/09/2018
NIKHIL H S	4AL16ME040	MECH 5 <sup>TH</sup> SEM A SECTION	nikhigowda06@gmail.com	18/09/2018	30/09/2018

ABSTRACT

The most common problem faced by the today's traffic is accidents near the S-turns. S turns are the zones most prone to accidents. The vehicle entering from the one end of the S turn is hidden to the vehicle which is entering from another end of the S turn. Our project's main objective is to eliminate this tragedy. The project consists of a circuit which consists of a power source, LEDs, switch. The circuit is open and consists of two switches on the two ends of the road. As the vehicle passes over the switch the circuit gets closed and the light glows on the other end of the turn creating awareness for the vehicle coming from the opposite side. The same circuit is placed on the other end of the turn in order to create awareness to vehicles coming from both the sides of the S turn. The two switches over which the vehicle passes uses the principle of hydraulic press to complete the circuit. Thus, avoiding the tragedies happening on the roads

Key Words: Hydraulics, Circuit.

Faculty coordinator (Dept.)  
Innovation and We club

Co-ordinator

Principal

Alva's Institute of Engineering & Technology





Title of Project: CNC Writing Machine

Under the Guidance: Prof. G. B. Vaggar & Prof. Jyaprat

PROJECT TEAM	USN	BRANCH SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
SUBRAHMANYA V BHAT		ME 3B	Subrahmanyavb25@gmail.com		
SHRIVATSA S T	4AL17ME066	ME 3B	Shrivatsa329@gmail.com		
DANJAY M	4AL17ME058	ME 3B	Metisanjay2@gmail.com		
SHANTHA KUMAR N	4AL17ME059	ME 3B	Shanthkumarnpartha01@gmail.com		
VIGNESH K R	4AL17ME084	ME 3B	Vignesh00045@gmail.com		

➤ Students involved in Project: -

#### ABSTRACT

Drawing and writing by hand can now be done by machines too. Here we propose an CNC writing machine that writes similar to a real human but with a lot more accuracy. The proposed system makes use of an Arduino based circuitry that is interfaced with motors that is used to provide the mechanism needed by a pen to draw the sketch. The Arduino based circuit is interfaced with 2 stepper motors and one servo motor in order to transmit the movement commands as per the text/image fed to it. It then controls the sketching process through a well-controlled mechanism in order to achieve this task. The pen only touches the paper where a dot is to be placed is raised above the paper by the motor where not needed. This motion coupled with the x and y axis movement of the motors allows for a 2D sketching mechanism on the paper using this mechanism.

Key Words:

*[Signature]*  
20/09/18.  
Faculty coordinator (Dept.)

*[Signature]*  
24.9.18  
Dept. Of Mechanical Engineering  
Alva's Institute of Engineering & Technology

*[Signature]*  
Principal  
Alva's Institute of

Engineering & Technology

*[Signature]*  
Co-ordinator



Title of Project: Underwater Object detection

Under the Guidance

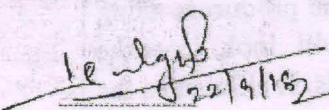
Shankarappa Kalgudi.


PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID
Prashanth Naik K	4AL16ME048	ME(A)	prashanthnaikk5@gmail.com
Pujoeth Kulal	4AL16ME049	ME(A)	pujoethkulal8@gmail.com
Rakshith R	4AL16ME060	ME(B)	rakshithr024@gmail.com

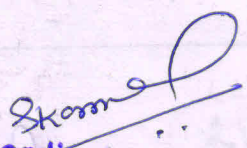
➤ Students involved in Project: -

**ABSTRACT**

The conventional method used to detect an underwater target is by sending and receiving some form of acoustic energy. In addition to the tracking filter development, special attention is devoted to adaption of the region of interest within the sonar image by using tracking filter covariance transformation for the purpose of improving detection and avoiding false sonar measurement. Developed algorithm are tested on real experimental data obtained in filed conditions. Statistical analysis shows superior performance of proposed filter compared to conventional tracking using pure sonar measurements.

  
Faculty coordinator (Dept.)  
Innovation and We club

  
Principal  
Alva's Institute of Engineering & Technology

  
Co-ordinator



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# ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY

## INNOVATION AND WE CLUB ESTIMATION OF PROJECT

Title of Project: A Web Oriented Application for E-Commerce on Agricultural Product.

Under the Guidance

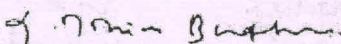
Dr. S. Mohideen Badhusha, Sr.Professor/CSE

➤ Students involved in Project: -

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Adarsh N	4AL16CS003	V - A - CSE department	adarshadun101@gmail.com	Sep-2018	Sep-2019
Shashikanth R chavan	4AL16CS090		shashirc44@gmail.com		
Mallikarjun HT	4AL16CS018		mallikarjunht1997@gmail.com		


### ABSTRACT

The consumer-producer market of the agricultural products has been only offline and traditional nowadays. The selling prices of the agricultural products are lower than the expectation of farmers. In this junction, it is very much need of the hour to develop one web application to make an interface between the producers and consumers for dealing agricultural products. The stock in hand of the products such as fruits, vegetables and cereals will be updated by the producers along with their contact details. Then the consumers will look into the products and buy according to their needs and demands. It eliminates the need of brokers or agents and therefore is very beneficial to both the farmers and the public.

  
[Dr. S. Mohideen Badhusha, Sr.Professor/CSE]  
Faculty coordinator (Dept)  
Innovation and We club



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Principal  
Alva's Institute of Engineering & Technology

  
Co-ordinator



# ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY

## INNOVATION AND WE CLUB

Title of Project: AUTOMATED QUESTION PAPER GENERATOR SYSTEM

Under the Guidance - Dr. Sumith N

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEADLINE
Vishal Nayak	4AL16CS057	CSE, 5-A	9892148350 nayakvishal54@gmail.com	AUG - 2018	NOV - 2018
Marsh Lobo	4AL16CS052	CSE, 5-A	7760460129 marsh.lobo.82@gmail.com	AUG - 2018	NOV - 18

### ABSTRACT

Information and intelligence are two vital columns on which development of humankind rise and knowledge has significant impact on operating of society. Student assessment is a crucial part of teaching and is done through the process of examinations and preparation of exam question papers has consistently been a matter of interest. Present-day technologies assist the teacher to stock the questions in a computer databases but does not provide efficient solution to create the variety sets of questions from every now and then without worry about replication and duplication from the previous exam while the question bank keeps growing. In the proposed system we introduce an automated way which would permit the operation of setting exam paper to be further well organized and productive and it would also aid in developing a database of questions which could be further classified for blending of exam question paper, currently there is no systematic procedure to fortify quality of exam question paper.

The proposed system would have a modern evolutionary path that is able to manage multi-constraints issue along with creating question papers for examinations in autonomous institutes from a very vast question bank database. The Automated Question Paper Generator System would use a randomization algorithm which has been implemented specially for autonomous institutes. This system would also ensure the secure delivery of the question paper to the exam center as an actual question paper would only be generated at the time when it is to be utilized. The endeavor needed for generating question paper is diminished after the implementation of this system and because of this system there is no obligation for humans to ponder and employ time which can be utilized on some additional important duty instead of designing question paper.

*f. n. m. B.*  
Faculty coordinator (Dept.)  
Innovation and We club

*Dr. Sumith N*  
Principal  
Alva's Institute of Engineering & Technology

*Sumith N*  
Co-ordinator



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6. ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT  
INNOVATION & WE CLUB STUDENT'S LIST AND PROJECTS DETAILS.



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY

INNOVATION AND WE CLUB

Title of Project: Smoke and gas Detection using Microcontroller

Under the Guidance

Mr. Jayaprakash M

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Kavya M M	4AL17EC040	ECE 3 <sup>RD</sup> SEM 'A' Section	9206749801 kavyamariagowda12@gmail.com		
Mounitha B M	4AL17EC055	ECE 3 <sup>RD</sup> SEM 'A' Section	7338414224 mounadm26@gmail.com		
Ramya	4AL17EC045	ECE 3 <sup>RD</sup> SEM 'A' Section	9663397925 Ramya2127@gmail.com		
Lepakshi T V	4AL17EC044	ECE 3 <sup>RD</sup> SEM 'A' Section	8861037514 lepakshilepakshiv@gmail.com		
Lavanya B	4AL17EC043	ECE 3 <sup>RD</sup> SEM 'A' Section	9980528196 Lalibaby20k@gmail.com		
Monica	4AL17EC054	ECE 3 <sup>RD</sup> SEM 'A' Section	9148673009		

Students involved in Project:

ABSTRACT
The main aim of this project is to detect the smoke and alert the user This will be useful in emergency situations.

Faculty coordinator (Dept.)

Innovation and We club, Dept. Of Electronics & Communication  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

H. O. D.

Principal

Co-ordinator



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# ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY

## INNOVATION AND WE CLUB

Title of Project: Cell Phone Detector

Under the Guidance

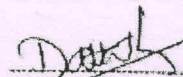
Mr. Sachin K


PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Varun G Shetty	4AL17EC093	ECE 3 <sup>RD</sup> SEM 'B' Section	8951791278 <a href="mailto:varunshetty1335@gmail.com">varunshetty1335@gmail.com</a>		
Swastik R Gowda	4AL17EC091	ECE 3 <sup>RD</sup> SEM 'B' Section	9164830917 <a href="mailto:Swastikgowda8@gmail.com">Swastikgowda8@gmail.com</a>		
Yathish S Rao	4AL17EC100	ECE 3 <sup>RD</sup> SEM 'B' Section	9606324332 <a href="mailto:Yathishrao97@gmail.com">Yathishrao97@gmail.com</a>		
Sanketha S Achaya	4AL17EC084	ECE 3 <sup>RD</sup> SEM 'B' Section	9483845695 <a href="mailto:sankethnakre@gmail.com">sankethnakre@gmail.com</a>		

➤ Students involved in Project: -


### ABSTRACT

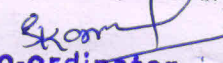
The main aim of this project is to detect the mobile phones. This can be done by tracking the radiations emitted by the phone. This can be used in mobile restricted regions.

  
Faculty coordinator (Dept.)  
Innovation and We club

  
15-09-18  
H.O.D.

Dept. Of Electronics & Communication  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

  
Principal

  
Co-ordinator



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ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY

**INNOVATION AND WE CLUB**

**ESTIMATION OF PROJECT**

Title of Project: Mess-Bill Management System for Alva's Hostel.

Under the Guidance

Dr. Roopalakshmi. R

➤ Students involved in Project: - (Team I)

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Th Btkumar Singh	4AL17IS051	ISE-3 <sup>rd</sup> sem.	Birith281998@gmail.com	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Lokesh P	4AL17IS025	ISE-3 <sup>rd</sup> sem.	Plokesk99644@gmail.com	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Manish R	4AL17IS026	ISE-3 <sup>rd</sup> sem.	Manishmanu0110@gmail.com	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Akshata L Hegde	4AL17IS002	ISE-3 <sup>rd</sup> sem.	Akshatabegde99@gmail.com	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Karuna N Raj	4AL17IS021	ISE-3 <sup>rd</sup> sem.	Karunanraja1999@gmail.com	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018

**ABSTRACT**

This project aims to develop an automatic mess-bill system for Alva's Hostels, by making use of our College ID's RFID technology. It also targets for the development of automatic mess bill reduction system, which also provides the total student count in each hostel each day, so that there will be no wastage of food.

Faculty coordinator (Dept)

Innovation and We club

Principal

Alva's Institute of Engineering & Technology

H. Q. D.

Dept. Of Information Science & Engineering  
Alva's Institute of Engineering & Technology  
M. J. Nagar, MOODBIDRI - 574 225

  
**Co-ordinator**

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ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
INNOVATION AND WE CLUB  
ESTIMATION OF PROJECT

Title of Project: Andriod App. for Detection of Artificial Ripening of Vegetables.

Under the Guidance

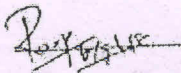
Dr. Roopalakshmi. R

➤ Students involved in Project: - (Team 2)

PROJECT TEAM	USN	BRANCH SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Vishak Amin	4AL17IS006	ISE- 3 <sup>rd</sup> sem	<a href="mailto:aminvishak@gmail.com">aminvishak@gmail.com</a>	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Dikshit Kotian	4AL17IS014	ISE- 3 <sup>rd</sup> sem	<a href="mailto:dikshitkottan21@gmail.com">dikshitkottan21@gmail.com</a>	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Mayuresh Kunder	4AL17IS024	ISE- 3 <sup>rd</sup> sem	<a href="mailto:mayuresh.kunder@gmail.com">mayuresh.kunder@gmail.com</a>	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Rachana Shetty	4AL17IS036	ISE- 3 <sup>rd</sup> sem	<a href="mailto:rachanashetty999@gmail.com">rachanashetty999@gmail.com</a>	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Divyashree Shetty	4AL17IS015	ISE- 3 <sup>rd</sup> sem	<a href="mailto:divyashree.shetty9693@gmail.com">divyashree.shetty9693@gmail.com</a>	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018

ABSTRACT

This project aims to develop an Andriod Application, which can provide chemical contamination details of artificially ripened fruits, by means of providing eligibility constraints for consumption or not.



Faculty coordinator (Dept)  
Innovation and We club



Principal

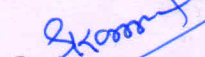
Alva's Institute of Engineering & Technology

H.O.D.

Information Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225



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Co-ordinator

**Activity: Training on C & C++ programming**



Training by Mr. Chandan Shastri, Final Year ISE Student.



Explaining by Mr. Chandan Shastri to students

*Shomeel*  
**Co-ordinator**



Alva's Institute of Engineering and Technology  
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore DK

Karnataka, INDIA.

13/5/2019

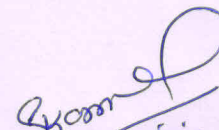
CIRCULAR

The Faculty Members and Guides of "Innovation and We Club" are hereby informed to instruct their students to Exhibit their *completed project* by presentation/demonstration on 25 May 2019 (Saturday) at Innovation Club room.

  
Principal  
PRINCIPAL

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

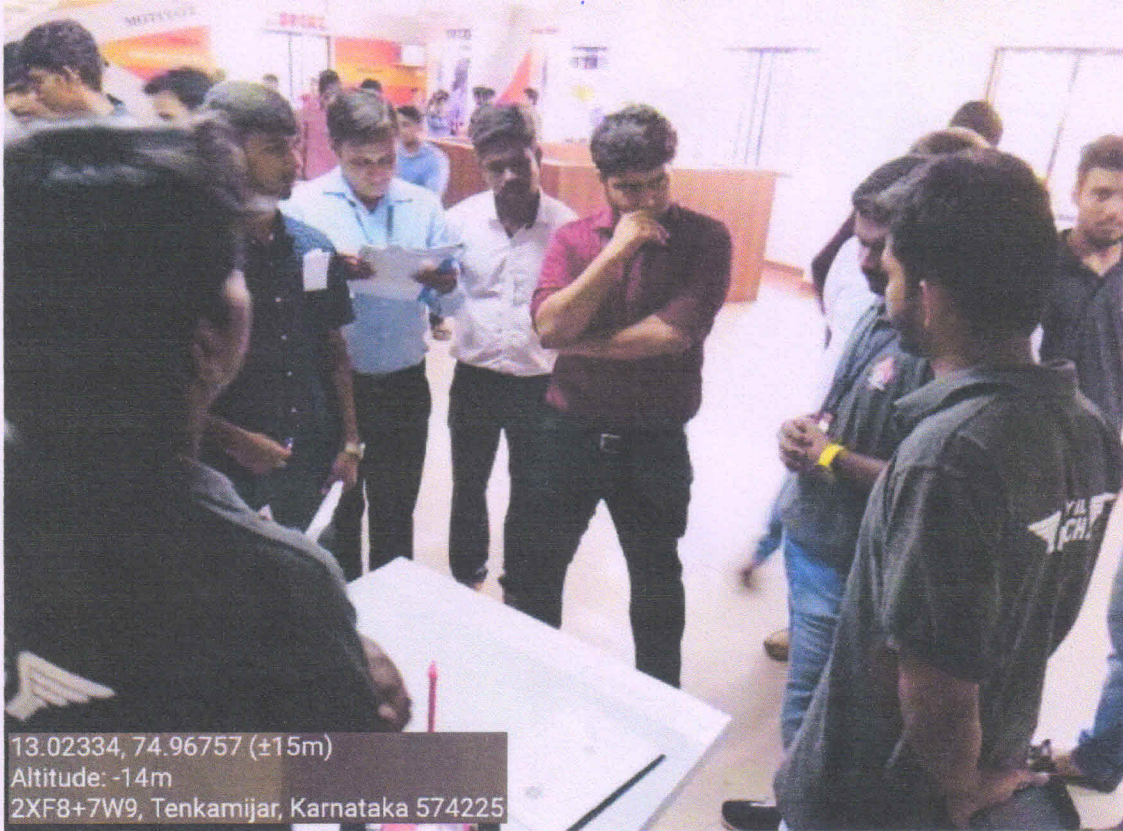
cc: All HoD's

  
Coordinator



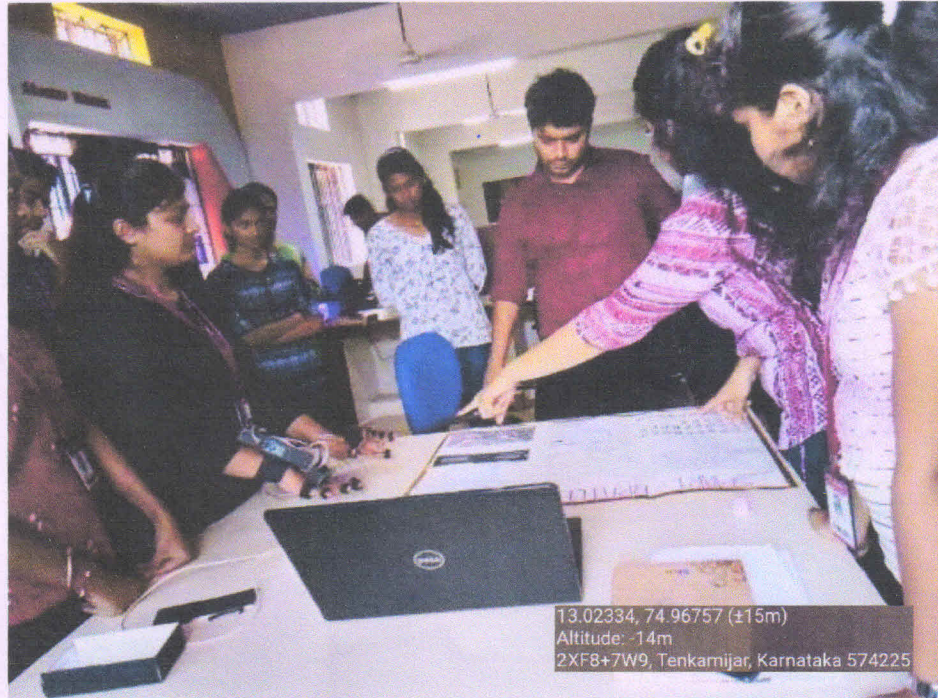
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**Activity: Project Exhibition**



Innovation and We Club Projects Exhibition: **Mr. Vivek Alva**, Managing Trustee AEF & **Dr. Peter Fernandes** evaluated the projects

*Skam*  
**Co-ordinator**



**Demo on ISE projects in front of Managing Trustee**



**Dr. Peter Fernandes, Principal Evaluating Projects**

*Skam*  
**Co-ordinator**

## CONCEPTUAL PROJECTS DONE UNDER INNOVATION AND WE CLUB.

### (I) SOLAR CAR.

An innovative two-seater-three-wheeler solar vehicle called 'Go Green Glow Green' is developed in Mangalore by Mr. Byre Gowda G and Team of Mechanical Engineering batch. The chassis vehicle is built using Aluminium alloy, which reduces weight to 50- 60 % compared to normal 3 wheeled vehicle and power by lithium battery, charged using solar panel.



Byre Gowda G with project model

Mr. Byre Gowda G with project model

### UNMANNED SEA PLANE.

Department of Mechanical Engineering students designed and built the unmanned sea plane. The project focused on search and rescue operations and also real time overhead surveillance.



Prof. K V Suresh with project students team

*K V Suresh*  
Co-ordinator



**External experts and Dr. Peter Fernandes, Principal Evaluating Projects**

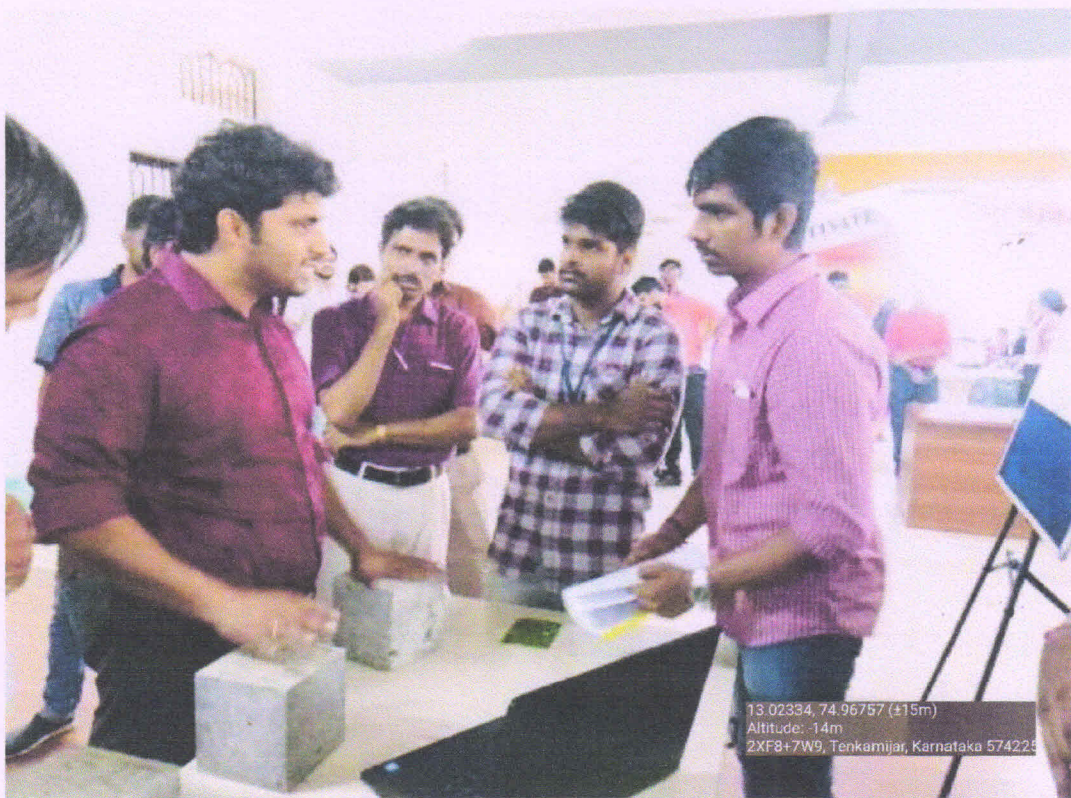


**After Project Exhibition get-together photo**

*Skamal*  
**Co-ordinator**



**Demo by Civil Engineering students**



**Question and Answer session by Civil Engineering students in front of Managing Trustee**

*Skam*  
**Co-ordinator**



**Demo on Mechanical Engineering projects in front of Managing Trustee**



**Innovation & We Club Projects Exhibition: Dr. Peter Fernandes, Principal evaluated the projects**

*Skam*  
 Co-ordinator

**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
(Affiliated to Visvesvaraya Technological University, Belagavi)

**INNOVATION AND WE CLUB**



**CERTIFICATE**

This is to certify that the project work entitled "Homework writing machine" is a bonafide work carried out by SHRIVATSA.S.T, SHANTHAKUMAR, VIGNESH KR, SUBRAHMANYA, SANJAY.M, bearing the USN: 4AL17ME066, 4AL17ME059, 4AL17ME084, 4AL18ME409, 4AL17ME058 in partial fulfillment of the requirement for the completion of Innovation & We club project of AIET, Moodbidri during the academic year 2018-19. This report has been approved as it satisfies the academic requirements in respect of the "Innovation & We club project" prescribed for the Engineering students.

GUIDE

**MR. JAYAPRAKASH**  
ASSISTANT PROFESSOR

Dept. of ECE

AIET, Moodabidire

GUIDE

**Mr. GB VAGGAR**  
Associate Professor  
Dept. of ME  
AIET, Moodabidire

**INNOVATION & WE CLUB**  
COORDINATOR

**Dr. SATYANARAYAN**  
Associate Professor  
Dept. of ME  
AIET, Moodabidire

HOD

**Dr. HARISHANAND.**

.K S

HOD

Dept. of ME

AIET, Moodabidire

H. O. D.

Dept. Of Mechanical En  
Alva's Institute of Engineering & Technology  
Mijar, MOODABIDIRE

# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to Visvesvaraya Technological University, Belagavi)

MIJAR, MOODBIDRI D.K. -574225, KARNATAKA



## DEPARTMENT OF MECHANICAL ENGINEERING

### CERTIFICATE

This is to certify that the project entitled **"DESIGN AND FABRICATION OF COMPACT SOLAR MODULAR SYSTEM FOR EFFICIENT STORAGE OF SOLAR ENERGY"** has been successfully completed by

CHETHAN N

4AL16ME012

RAKESH

4AL16ME052

MANOJGOWDA K N

4AL16ME028

DEPARTMENT OF MECHANICAL ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018–2019. The project report has been approved as it satisfies the requirements of Innovation lab.

Project Guide

Dr. Satyanarayan

Professor

Dept. of ME

AIET, Moodabidire

Project Coordinator

Dr. Satyanarayan

Professor

Dept. of ME

AIET, Moodabidire

HOD

Dr. Harishanand K S

Professor

Dept. of ME

AIET, Moodabidire

Dept. Of Mechanical Engineering  
Alva's Institute of Engineering and Technology  
Mijar, MOODBIDRI - 574225

# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

MOODBIDRI – 574 225

(Affiliated to VTU, Belagavi)

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

## CERTIFICATE

Certified that the project entitled “**SMART BRAILLE WRITER**” is a bonafied work carried out by **4 SEM STUDENTS** for the **Innovation and WE Club** of **AIET, Mijar** during the year 2018–2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the innovation Club. The report has been approved as it satisfies the academic requirements in respect of project work prescribed for the Bachelor of Engineering degree.

**VIDUL S CHAVAN**

**4AL17EC095**

**PRAGATHI M**

**4AL17EC072**

**ROSHNI A B**

**4AL17EC080**

**AKSHATHA MADIWALAR**

**4AL17EC046**

**YAMUNASHREE N**

**4AL17EC097**

  
24/5/19.

Signature of the Guide

Mr. JAYAPRAKASH M



Signature of the HOD(ECE)

Dr D V MANJUNATHA



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MIJAR, MOODBIDRI-574225  
KARNATAKA

A

PROJECT REPORT ON  
"FIRE DETECTING ROBOT"

under

INNOVATION & WE CLUB

from the department of

COMPUTER SCIENCE & ENGINEERING

by

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JOLYN TELLIS	4AL15CS046
MEGHA	4AL15CS055

Under Supervision of

DR. SUMITH N  
SENIOR ASSISTANT PROFESSOR

*Sumith N*  
11/24/19

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA

2018-2019

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**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
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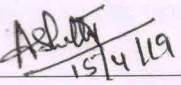


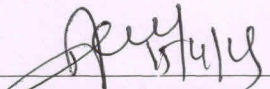
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**CERTIFICATE**


This is to certify that the project entitled **"FUEL TANKER TRUCK ACCIDENT DETECTION SYSTEM"** has been successfully completed by

<b>PRATHIKSHA P RAI</b>	<b>4AL15CS070</b>
<b>SUMITH KUMAR S K</b>	<b>4AL15CS095</b>
<b>VARSHA S</b>	<b>4AL15CS104</b>
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the bonafide students of **DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI** during the year 2018–2019. The project report has been approved as it satisfies the requirements of Innovation lab.

  
15/4/19  
**Ms. Ankitha Shetty**  
Project Guide

  
15/4/19  
**Dr. Manjunath Kotari**  
Head of the department

  
15/4/19  
**Dr. Mohideen Badhusha S**  
Professor

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA CAMPUS, BELGAVI-590018



## INNOVATION LAB PROJECT REPORT

On

“Hostel Attendance and Mess Bill Management System”

Submitted by

Chandan Ramesh Shastri

4AL15IS007

DEPT. OF

INFORMATION SCIENCE AND ENGINEERING

Under the Guidance of

Dr. Roopalakshmi R.

Professor, Dept. of ISE



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MOOBBIDRI-574225, KARNATAKA

2018–2019

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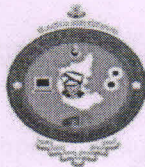
Mr. Jayantkumar A. Rathod

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**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,  
BELAGAVI**



**INNOVATION PROJECT REPORT ON  
“FOREST FIER DETECTION SYSTEM”**

Submitted in partial fulfillment for the Innovation Lab,

**BACHELOR OF ENGINEERING**

**IN**

**COMPUTER SCIENCE & ENGINEERING**

**By**

**MALLIKARJUN H T**

**4AL16CS048**

**NAYAN P JOSHI**

**4AL16CS058**

**NAMRATHA C**

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**NIHARIKA G V**

**4AL16CS059**

**Under the Guidance of**

**Dr. S. Mohideen Badhusha**

**Professor**



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**MOODBIDRI-574225, KARNATAKA 2018 – 2019**

# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225, KARNATAKA



## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### CERTIFICATE

This is to certify that the project entitled "FOREST FIRE DETECTION SYSTEM" has been successfully completed by

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. The project report has been approved as it satisfies the requirements of Innovation lab.

Dr. Mohideen Badhusha S  
Project Guide

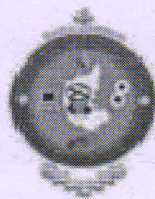
Dr. Manjunath Kotari  
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Project Coordinator

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**MIJAR, MOODBIDRI D.K. -574225**

**KARNATAKA**



**PROJECT REPORT ON**

**“AUTOMATED QUESTION PAPER GENERATOR”**

**For  
INNOVATION AND WE CLUB**

**COMPUTER SCIENCE & ENGINEERING**

**By**

**MARSH VISHAL LOBO**

**4AL16CS052**

**VISHAL NAYAK**

**4AL16CS057**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**MOODBIDRI-574225, KARNATAKA 2018 - 2019**

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