

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

(Affiliated to Visvesvaraya Technological University, Belagavi Approved by AICTE, New Delhi & Recognised by Government of Karnataka)  
Shobhavana Campus, Mijar – 574225, Moodbidri.  
Dakshina Kannada Karnataka, India.



**A Report on**

## **INNOVATION AND WE CLUB ACTIVITIES**

**ACADEMIC YEAR 2018-2019**




**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
**INNOVATION AND WE CLUB**

**INNOVATION AND WE CLUB REPORT**

<b>Contents</b>		
<b>Sl. No.</b>	<b>Descriptions</b>	<b>Page No.</b>
<b>1</b>	Innovation and we club projects list	3
<b>2</b>	Meeting circulars and minutes of meetings.	7
<b>3</b>	Mechanical Engineering Department Innovation & We club student's list and projects details.	33
<b>4</b>	Computer Science and Engineering Department Innovation & We club student's list and projects details.	40
<b>5</b>	Civil Engineering Department Innovation & We club student's list and projects details.	42
<b>6</b>	Electronic and Communication Engineering Department Innovation & We club student's list and projects details.	44
<b>7</b>	Information Science and Engineering Department Innovation & We club student's list and projects details.	47
<b>8</b>	C & C++ Training program done by Mr. Chandan Shastri, Final year ISE student.	49
<b>9</b>	Completed project report certificate copy	51
<b>10</b>	Innovation and We club completed project exhibition photos.	59
<b>11</b>	Conceptual projects done under Innovation and We club.	65

**INNOVATION AND WE CLUB REPORT**

**1. INNOVATION AND WE CLUB PROJECTS LIST**



**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Shobnavana Campus, Mijar, Moodbidri - 5/4 225, Mangalore DK  
**INNOVATION AND WE CLUB**

**Progress Report  
(2018-2019)**

SL No	Department	Name of the Project	Faculty Coordinator/Guide	Progress
1	Civil Engineering	Physical and Chemical properties of ordinary and self compacting concrete of different grades. Application of humidity sensor on agriculture field 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 Dr. H G Umeshchandra	Students casted the concrete blocks to investigate the mechanical properties Literature survey going on
2	Computer Science and Engineering	Automated Question Paper Generator System A Web Oriented Application for E-Commerce on Agricultural Product.	Dr. Sumith N. Dr. S. Mohideen Badhusha	Students casted the concrete blocks to investigate the mechanical properties (Communicated a paper) Not received the report ✓ Collected the data from the field using sensors. Aggregating the data collected by the sensors.
3	Electronics and Communication Engineering	Smoke detection in home using Microcontroller Mobile phone Detector Smart irrigation system using microcontroller	Prof. Jayaprakash M Prof. Sachin K Prof. Jayaprakash M	Design of Microcontroller is under progress Not received the report Design of Microcontroller is under progress
4	Information Science and Engineering	Mess-Bill Management System for Alva's Hostel Andriod App. for Detection of Artificial Ripening of Vegetables	Dr. Roopalakshmi. R Dr. Roopalakshmi. R	Almost in completing stage ✓ Students are carrying literature survey and there is lot of progress since it is a part of VGST sanctioned project

**INNOVATION AND WE CLUB REPORT**

**Sh. Havana Campus, Mijar, Moodbidri - 574 225, Mangalore DK**  
**INNOVATION AND WE CLUB**



5	Mechanical Engineering	Design And Fabrication Of Compact Solar Modular System For Efficient Storage Of Solar Energy		Dr. Satyanarayan	Fabrication part done, preliminary results were obtained
		Automatic Fire Extinguisher		Prof. Yogesh Rao	Aurdino board is purchased
		CNC writing machine		Prof. G B Vaggar and Prof. Jayaprakash	Materials are procured and coding suppose to be done
		Underwater Object detection		Prof. Shankarappa Kalgudi	Sensors at to be purchased
		Vehicle Detection At S-Turns		Dr. Satyanarayan	Materials are procured
		Vertical Forming		Prof. Kiran C H	Almost in complete stage, model is presented in exhibition

Coordinator  
Innovation Club and We club

Principal  
AIET



Scanned with  
CamScanner

ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY  
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore DK

## INNOVATION AND WE CLUB

### Progress Report (2018-2019)

#### Civil Engineering

**1. Project:** Physical and Chemical properties of ordinary and self compacting concrete of different grades.

**Progress:** Students casted the concretes blocks to investigate the mechanical properties

**2. Project:** Application of humidity sensor on agriculture field

**Progress:** Literature survey going on

**3. Project:** A Study on Strain Energy required to Create Fracture in Plain Concrete of Different Grades Subjected to Compression, Flexure, Shear and Torsion

**Progress:** Students casted the concretes blocks to investigate the mechanical properties (Communicated a paper)

#### Computer Science and Engineering

**1. Project :** Automated Question Paper Generator System

**Progress:** Not received the report

**2. Project :** A Web Oriented Application for E-Commerce on Agricultural Product

**Progress:** Collected the data from the field using sensors. Aggregating the data collected by the sensors.

#### Electronics and Communication Engineering

**1. Project :** Smoke detection in home using Microcontroller

**Progress:** Design of Microcontroller is under progress

**2. Project :** Mobile phone Detector

**Progress:** Design of circuit under progress

**3. Project :** Smart irrigation system using microcontroller

**Progress:** Design of Microcontroller is under progress

#### Information Science and Engineering

**1. Project :** Mess-Bill Management System for Alva's Hostel

**Progress:** Almost in completing stage


**2. Project :** Android App. for Detection of Artificial Ripening of Vegetables

**Progress:** Students are carrying literature survey and there is lot of progress since it is a part of VGST sanctioned project

**3. Project :** Design And Fabrication Of Compact Solar Modular System For Efficient Storage Of Solar Energy

**Progress:** Fabrication part done, preliminary results were obtained





**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore DK

**INNOVATION AND WE CLUB**

**OUR PROJECTS**

- 1. Project : Automatic Fire Extinguisher**  
**Progress:** Aurdino board is purchased and design under progress
- 2. Project: CNC writing machine**  
**Progress:** Materials are procured and coding suppose to be done
- 3. Project: Underwater Object detection**  
**Progress:** Sensors yet to be purchased
- 4. Project : Vehicle Detection At S-Turns**  
**Progress :** Materials are procured
- 5. Project : Vertical Forming**  
**Progress :** Almost in complete stage, model is presented in exhibition

## 2. MEETING CIRCULARS AND MINUTES OF MEETINGS.



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.



DEPARTMENT OF MECHANICAL ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar-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

VI<sup>th</sup> B1 ✓  
III<sup>rd</sup> A ✓  
V<sup>th</sup> A - ✓  
I<sup>st</sup> D - ✓  
II<sup>nd</sup> B ✓  
@Alva.EM  
Swamy





Alva's Institute of Engineering and Technology  
Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore 1  
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, MOODBIDRI - 574 225, D.K.

cc: All HoD's (Engineering HoD)

CSG ?  
ISE ?  
EC - Heng  
ME -   
CV. 




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

To,  
Prof. Shankarappa  
Prof. Yogesh Rao  
Mr. G. B. Vignesh  
Prof. Kiran H

For all concerned  
  
15/5/2019



Scanned with  
CamScanner




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



Scanned with  
CamScanner



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
Shobhavana Campus, Mijar, Moodbidri, D. K - 574225.



INNNOVATION AND WE CLUB

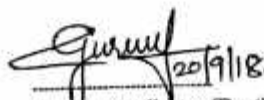
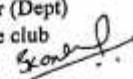
Date: 20/09/2018


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



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
Shobhavana Campus, Mijar, Moodbidri, D. K - 574225.

INNNOVATION 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





ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
Shobhavana Campus, Mijar, Moodbidri, D. K - 574225.  
INNOVATION AND WE CLUB



Date: 03/10/2018

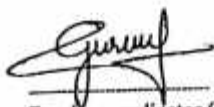
DEPARTMENT OF MECHANICAL ENGINEERING

In Innovation and We club Room 103, a meeting has been conducted on 03/10/2018 at 5.00 pm. five project batches 09 students and six 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.

- Under water object detection: - PPT, Programing, and Analysis of sensor results, suggested batch to purchase components.
- Solar Storage: - Calculation of gear is running (Geneva), discussed with EC standards, material selected for panel.
- Extinguisher: - Outline of the system ready, Arduino program learnt from Jayaprakash sir, going to order the equipment.
- Vertical farming: - 3D drawings prepared and analysis of the same has to be done using ANSYS software. This innovative idea won second prize in ISTE student chapter technical events.
- CNC writing machine: - Prepared the theoretical information about equipment's and agreed to show more progress.



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



3/10/2018  
HOD  
Dept. of Mechanical Engineering



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
Shobhavana Campus, Mijar, Moodbidri D.K-574225

**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.*

[P.T.O]



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
Shobhavana Campus, Mijar, Moodbidri D.K-574225

**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.*

[P.T.O]



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
Shobhavana Campus, Mijar, Moodbidri D.K-574225

### 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





ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
Shobhavana Campus, Mijar, Moodbidri D.K-574225

**INNOVATION AND WE CLUB**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

Date: 11.10.2018

Innovation and We Club that the Innovation and We Club meeting has been conducted on **09.10.2018** at **4.30 pm** at **Innovation We Club**. All the faculty and students members of innovation club have attended the meeting and demonstrated their project works in terms of work progress. The following are the minutes of meeting which have been recorded during meeting.

**Minutes of Meeting**

- The on-going innovation projects have been demonstrated practically by the students members 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 minutes of meeting of the practical work progress of every project are recorded as given below.*

[P.T.O]



**INNOVATION AND WE CLUB REPORT**



**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Shobhavana Campus, Mijar, Moodbidri D.K-574225

**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 proceedings 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 the new innovation projects have been delivered by the students members and the outline of the 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 Basha

Dr. Sumith. N.

Prof. Vivek Sharma

Prof. Ankitha

Dr. Manjunath

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

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

**Alva's institute of engineering and technology**

**Department of computer science and engineering**

**Meetings of Innovation club**

As per the schedule innovation and we club members were asked to present their work on 13<sup>th</sup> march, 2018, at 1:00 pm, in innovation club room first floor. This meeting was presided by HOD Dr. Manjunath Kotari, Dr. Sumith and Mr. Vivek Sharma. Following are the minutes for the same:

1. Four teams presented their abstract and work.
2. The hardware and software requirements were discussed.
3. Students were asked to work in the innovation lab every Wednesday or Thursday according to their free slots.
4. Students were encouraged to work in the innovation lab after working hours.
5. Students were asked to enter in the log book kept in the innovation lab.
6. It was decided to do a continuous monitoring at the department for innovation club projects.
7. Students were told to take assistance of Mr. Himanshu, Oskill lab.

Dr. Sumith N.



Innovation club coordinator



Dr. Manjunath Kotari

HOD-CSE

INNOVATION AND WE CLUB REPORT

**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Shobhavana Campus, Mijar, Moodabidri, Mangalore Taluk, D.K – 574225  
Phone: 08258-262725, Fax: 08258-262726  
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

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

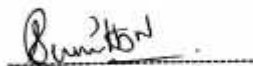
**Team 2: CHANDAN  
AFNAN**

**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.

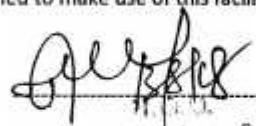


Dr. Sumith N.

Dr. S Mohideen Badhusha

Copy to: Dr. Satyanarayana, Innovation and We coordinator

: Principal, AIET, Mijar



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



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

Shobhavana Campus, Mijar, Moodabidri, Mangalore Taluk, D.K - 574225  
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.



*Circular & Minutes of Meeting*

**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Shobhavana Campus, Mijar, Moodabidri, Mangalore Taluk, D.K - 574225  
Phone: 08258-262725, Fax: 08258-262726  
**DEPARTMENT OF CIVIL ENGINEERING**

Date : 24 / 9 / 18

Minutes of Meeting: 4.30 to 5.30 PM

Umesh Chandra Batch:

The points discussed are as below:

1. The objective of the Innovative project
2. Application of humidity sensor in agriculture field
3. Identification of moisture content in different types of soil
4. Coding for the sensors
5. The submission of synopsis. The time has been given up to Thursday ( 27/09/2018)

HCM Swamy Batch:

V SEM

1. Concrete mix design for M30 is prepared and planned to cast on 29 Saturday( 3 beams and a cube.)
2. It is planned to conduct Torsion Test on 29 Saturday between 2pm to 3pm
3. students are instructed to prepare mix design for M 60 concrete mix.

From Next week the scheduled meeting is between 5 to 5.30 for V semester and 5.30 to 6 for I Semester students.

I SEM

1. It is decided to attend the concrete torsion test on 29 Saturday between 2 to 3 pm.
2. It is discussed with Physics H.O.D and Dr. Shashi kumar for conduction of Heat in concrete and Micro structure of concrete.
3. It is also discussed that Corrosion resistance activity for concrete is also conducted in Chemistry research lab with the help of Dr. Pavithra madam.

Page 1 of 1



## INNOVATION AND WE CLUB REPORT



### 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

*[Signature]*  
HOD, ISE  
H.O.D.

Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology,  
Mijar, MOODBIDRI - 574 229

## INNOVATION AND WE CLUB REPORT



### 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.








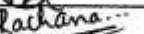

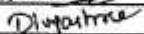

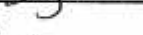
#### Action Plan:

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

  
HOD, ISE  
H. O. D.  
Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 226

## INNOVATION AND WE CLUB REPORT



### ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY INNNOVATION 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.



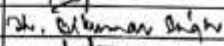


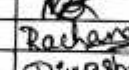

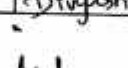

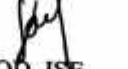

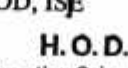
#### Action Plan:

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





**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



Scanned with  
CamScanner

  
H.O.D.



**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY  
INNOVATION AND WE CLUB**

**Department of Information Science & Engineering**

**MINUTES OF MEETING**

**Date: 22-02-2019**

**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:** Image Dataset generation using captured images of Banana fruit – 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 Database generation using 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

  
HOD, ISE  
**H. O. D.**

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





### 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:

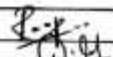

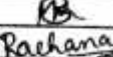
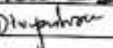


**Team 1:** Basics of GUI development for detection of artificially ripened fruits – suitable tools and platforms were discussed.


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



**Alva's Institute of Engineering & Technology**

Shobhavana Campus, Mijar, Moodbidri, D.K-574225

**Department of Electronics and Communication Engineering**

**Innovation Lab Meeting**

**MINUTES: 1**

Date: 01/10/2018

Time: 4:30pm – 6:00pm

Venue: Innovation lab

Meeting Called by	Mr. Sachin K & Mr. Jayaprakash
Type of Meeting	Discussion about the innovation lab projects
Facilitator	Student members of innovation lab
Note Taker	Mr. Sachin K
<b>Agenda of the Meeting</b>	
1	As per the directions of Vivek sir, some of the current innovation lab projects are cancelled.
2	We have given new innovative projects for the students and informed them to prepare a report on it.
3	Informed the students to prepare a presentation on their assigned project, which needs to be presented to Vivek sir and Principal.

**Mr. Jayaprakash M**  
Innovation lab Coordinator

**Mr. Sachin K**  
Dept. Faculty Co-ordinator



Scanned with  
CamScanner



**Alva's Institute of Engineering & Technology**

Shobhavana Campus, Mijar, Moodbidri, D.K-574225

**Department of Electronics and Communication Engineering**

**Innovation Lab Meeting**

**MINUTES: 1**

**Date:** 17/09/2018

**Time:** 4:30pm – 6:00pm

**Venue:** Innovation lab

Meeting Called by	Mr. Sachin K & Mr. Jayaprakash
Type of Meeting	Discussion about the innovation lab projects
Facilitator	Student members of innovation lab
Note Taker	Mr. Sachin K
<b>Agenda of the Meeting</b>	
1	Circuit design and components required for the project has been submitted by the students.
2	The working hour slots assigned to each project batches and asked to work on their respective projects.
3	Weekly assignment deadlines has been given and by the end of this week the student has to produce the work progress.

**Mr. Jayaprakash M**  
Innovation lab Coordinator

**Mr. Sachin K**  
Dept. Faculty Co-ordinator



Scanned with  
CamScanner



**Alva's Institute of Engineering & Technology**

Shobhavana Campus, Mijar, Moodbidri, D.K-574225

**Department of Electronics and Communication Engineering**

**Innovation Lab Meeting**

**MINUTES: 1**

Date: 30/08/2018

Time: 1:00pm – 1.20pm

Venue: Microprocessor lab

Meeting Called by	Mr. sachin K & Mr. Jayaprakash
Type of Meeting	Discussion about the innovation lab projects
Facilitator	Student members of innovation lab
Note Taker	Mr. Jayaprakash M

ajk  
JPM

**Agenda of the Meeting**

1	To prepare a brief report on their selected projects which includes which includes the Circuit diagram, its design and the components
2	Informed the students to meet regularly and to show their progress every week.


Mr. Jayaprakash M  
Innovation lab Coordinator

Mr. Sachin K  
Dept. Faculty co-ordinator




## INNOVATION AND WE CLUB REPORT

### 3. MECHANICAL ENGINEERING DEPARTMENT INNOVATION & WE CLUB STUDENT'S LIST AND PROJECTS DETAILS.



**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**

**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**

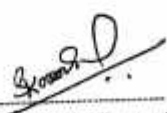
**Abstract-**

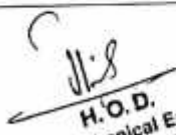
This concept deals with innovative thought in the field of Energy Engineering (Mechanical), where it is related to the renewable source of energy i.e. solar energy. In this solar energy field of Technology, the largest drawback is the initial investment/cost, land area and energy storage.


"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  
 Mijar, MOODBIDRI - 574 225

  
 Principal  
 Alva's Institute of Engineering & Technology



Scanned with CamScanner





**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**

**INNNOVATION AND WE CLUB**



**ESTIMATION OF PROJECT**

- **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
CHETHAN N	4AL16ME012	5 <sup>th</sup> A
RAKESH	4AL16ME052	5 <sup>th</sup> A

SL NO	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
1	MOTAR	1	800	800
2	GEARS	3	80	240
3	RACK AND PINION	1	350	350
4	BEVEL GEARS	2	150	300
<b>TOTAL</b>				<b>1690</b>

Faculty coordinator (Dept)  
Innovation and We club

Principal  
Alva's Institute of Engineering & Technology



**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**

**INNNOVATION AND WE CLUB**



**Title of Project: VEHILCLE DETECTION AT S-TURNS.**

**Under the Guidance: Dr. SATYANARAYAN**

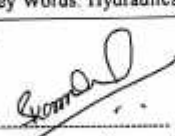
➤ Students involved in Project: -

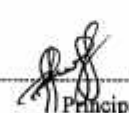
PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
PARTHASARTHY D J	4AL16ME043	MECH 5 <sup>TH</sup> SEM A SECTION	parthasarathydj7@gmail.com	18/09/2018	30/09/2018
NAGASUNDAR K S	4AL16ME035	MECH 5 <sup>TH</sup> SEM A SECTION	nagasundar01@gmail.com	18/09/2018	30/09/2018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

  
 Principal  
 Alva's Institute of Engineering & Technology



Scanned with  
CamScanner



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY



### INNOVATION AND WE CLUB ESTIMATION OF PROJECT

Title of Project: - **VEHICLE DETECTION AT S-TURNS.**

Under the Guidance **Dr. SATYANARAYAN**

➤ Students involved in Project: -

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION
PARTHASARTHY D J	4AL16ME043	MECH 5 <sup>TH</sup> SEM A SECTION
NAGASUNDAR K S	4AL16ME035	MECH 5 <sup>TH</sup> SEM A SECTION
NAVEEN A	4AL16ME036	MECH 5 <sup>TH</sup> SEM A SECTION
NAVEEN H R.	4AL16ME038	MECH 5 <sup>TH</sup> SEM A SECTION
NIKHIL H S	4AL16ME040	MECH 5 <sup>TH</sup> SEM A SECTION

SL NO	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
1.	LED'S	4	10	40
2.	SWITCH	2	10	20
3.	CARDBOARD	4	5	20
4.	BATTERY	2	30	60
5.	WIRES (in M)	5	-	35
6.	BATTERY CONNECTIONS	2	10	20
7.	BELLOWS	6	10	60
8.	RACK AND PINION MECHANISM	4	20	80
9.	CONNECTING GEARS	4	10	40
10.	DC MOTOR	2	60	120
<b>TOTAL</b>				<b>495</b>



Scanned with  
CamScanner





ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY

INNOVATION AND WE CLUB



Title of Project: CNC Writing Machine

Under the Guidance: Prof. G. B. Vagga & Prof. Jayaprakash

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		
ANJAY 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
<p>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.</p> <p>Key Words:</p>

*Guay*  
20/09/18.  
Faculty coordinator (Dept.)

*Shr*  
N. O. D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engineering & Technology

*Shr*  
Principal  
Alva's Institute of

*Guay*  
Scanned with  
CamScanner



**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**

**INNOVATION AND WE CLUB**



**ESTIMATION OF PROJECT**

Title of Project: - CNC Writing Machine


Under the Guidance  
Prof. Gurushanth B Vaggar and Prof. Jayaprakash

➤ Students involved in Project: -

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION
SUBRAHMANYA V BHAT		ME 3B
SHRIVATSA S T	4AL17ME066	ME 3B
SANJAY M	4AL17ME058	ME 3B
SHANTHA KUMAR N	4AL17ME059	ME 3B
VIGNESH K R	4AL17ME084	ME 3B

SL NO	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
1	2 AXIS STEPPER MOTOR AND SERVO MOTOR DRIVER	1	3000	3000
2	NOVA 17 STEPPER MOTOR	2	730	1460
3	SERVO MOTOR	1	379	379
4	THREADED ROD (300 X 8mm)	2	599	1198
5	STEEL ROD (300 X 8mm)	2	550	1100
	COUPLING NUT	2	280	560
	SLIDER (8mm)	4	298	1192
	RADIAL BEARING	4	140	560
<b>TOTAL</b>				<b>9449</b>

  
Faculty coordinator (Dept)

  
Principal

Innovation and We club



Scanned with  
CamScanner

Alva's Institute of Engineering & Technology





ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY

INNOVATION AND WE CLUB



Title of Project: Underwater Object detection

Under the Guidance

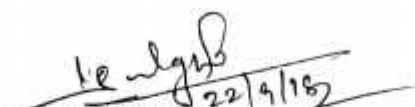
Shankarappa Kalgudi.


PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID
Prashanth Naik K	4AL16ME048	ME(A)	prashanthnaikk5@gamil.com
Pujeeth Kulal	4AL16ME049	ME(A)	pujeethkulal8@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.

  
22/4/16  
Faculty coordinator (Dept.)  
Innovation and We club

  
Principal  
Alva's Institute of Engineering & Technology

## INNOVATION AND WE CLUB REPORT

### 4. COMPUTER SCIENCE AND ENGINEERING DEPARTMENT INNOVATION & WE CLUB STUDENT'S LIST AND PROJECTS DETAILS.



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		
Malikarjun HT	4AL16CS018		malikarjunht1997@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



Scanned with  
CamScanner

  
Principal

Alva's Institute of Engineering & Technology

## INNOVATION AND WE CLUB REPORT



## ALVAS INSTITUTE OF ENGINEERING &amp; 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 INITIALIZATION	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.

J. P. B. B. B.  
Faculty coordinator (Dept.)  
Innovation and We club

Principal  
Alva's Institute of Engineering & Technology



## INNOVATION AND WE CLUB REPORT

### 5. CIVIL ENGINEERING DEPARTMENT INNOVATION & WE CLUB STUDENT'S LIST AND PROJECTS DETAILS.



ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY

INNOVATION AND WE CLUB



Title of Project: APPLICATION OF HUMIDITY SENSOR IN AGRICULTURE

Under the Guidance of

Dr. HG Umeshchandra

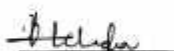
➤ Students involved in Project: -

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
MITHUN GOWDA B	4AL17CV037	CV,3rd,' A'	9901408557 gowdabmithun@gmail.com	1/9/18	30/11/18
MANIKANTA P	4AL15CV052	CV,3rd,' A'	7760869303 Manithanu159@gmail.com	1/9/18	30/11/18
GOKUL KRISHNA	4AL17CV019	CV,3rd,' A'	9207338760	1/9/18	30/11/18
ARISHWARREDDY	4AL17CV004	CV,3rd,' A'	9148378489	1/9/18	30/11/18
HARSHA KUMAR	4AL17CV030	CV,3rd,' A'	8748903676	1/9/18	30/11/18

#### ABSTRACT

Sensors play an important role in Wireless Sensor Network. The traditional humidity sensors employed in the agriculture have a drawback that they acquire a large amount of data which is to be transmitted or processed. Whereas the intelligent sensor proposed in this paper uses a conventional sensor and an embedded processor that can process the data acquired using algorithms to reduce the amount of data collected, to extract only relevant information and to present this information in a format which minimizes post-processing latency. As a result of which the final processing end has to perform a little computation that too only on features (like significant changes in humidity) rather on the huge data hence reducing the power consumption. The intelligent humidity sensor reduces the amount of data processed by 50% (depending upon humidity variations) and thereby also reducing the power consumption.

Key Words: Humidity Sensor, agriculture, algorithms, wireless sensor network

  
Faculty coordinator  
(Civil Engineering.)

  
HOD

Principal  
Alva's Institute of Engineering



Scanned with  
CamScanner



**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**

**INNNOVATION AND WE CLUB**

**Title of Project: A Study on Strain Energy required to Create Fracture in Plain Concrete of Different Grades Subjected to Compression, Flexure, Shear and Torsion.**

**Under the Guidance of H.C.M. Swamy**

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
GOWTHAM ACHARYA	4AL16CV031	CIVIL V SEM A SEC	<a href="mailto:gauthyacha@gmail.com">gauthyacha@gmail.com</a>	1 SEPT 18	1 NOV 18
M SURAJ ACHARYA	4AL16CV042	CIVIL V SEM A SEC	<a href="mailto:surajacharya1229@gmail.com">surajacharya1229@gmail.com</a>	1 SEPT 18	1 NOV 18
KEDAR KAMATH M	4AL16CV036	CIVIL V SEM A SEC	<a href="mailto:kedar.kamath007@gmail.com">kedar.kamath007@gmail.com</a>	1 SEPT 18	1 NOV 18
MUHAMMED NIHAL	4AL15CV061	CIVIL V SEM A SEC	<a href="mailto:MNihal166@gmail.com">MNihal166@gmail.com</a>	1 SEPT 18	1 NOV 18
ASHWIN Y N	4AL16CV011	CIVIL V SEM A SEC	<a href="mailto:ashwinyn6666@gmail.com">ashwinyn6666@gmail.com</a>	1 SEPT 18	1 NOV 18
GAUTHAM DAYANAND BANGERA	4AL16CV029	CIVIL V SEM A SEC	<a href="mailto:gauthambangera18@gmail.com">gauthambangera18@gmail.com</a>	1 SEPT 18	1 NOV 18

> Students involved in Project: -

ABSTRACT
Concrete is brittle material and weak in tension. So the cracks are appeared when there is limitation for its tensile capability. The fracture behavior of different concrete is different for different grades. It also evident that the same grade with same loading condition it is not possible to trace the crack pattern. Here an attempt is made to evaluate the fracture energy and fracture load. Here a comparison is done. Key Words: Fracture Energy, Fracture load, cracks propagation.

  
 Faculty coordinator (Dept.)  
 Innovation and We club

\_\_\_\_\_  
 Principal  
 Alva's Institute of Engineering & Technology



## INNOVATION AND WE CLUB REPORT

### 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 kavyamarigowda12@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.

 15/9/18  
 Faculty coordinator (Dept.)  
 Innovation and We club  
 15.09.18  
 H. O. D.  
 Dept. Of Electronics & Communication  
 Alva's Institute of Engg. & Technology  
 Mijar, MOODBI DR. - 574 225  
  
 Principal  
 Alva's Institute of Engineering & Technology



Scanned with



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:varunshetty135@gmail.com">varunshetty135@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

  
H. O. D.  
Dept. Of Electronics & Communication  
Alva's Institute of Engineering & Technology  
Mijar, MOODBIDRI - 574 225

  
Principal  
Alva's Institute of Engineering & Technology



**ALVAS INSTITUTE OF ENGINEERING & TECHNOLOGY**

**INNOVATION AND WE CLUB**

**Title of Project: Smart Irrigation system using Microcontroller**

**Under the Guidance**

**Mr. Jayaprakash M**

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Nandika	4AL17EC096	ECE 3 <sup>RD</sup> SEM 'B' Section	9008117666 <a href="mailto:nandunardhika1810@gmail.com">nandunardhika1810@gmail.com</a>		
Sai suraksha	4AL17EC064	ECE 3 <sup>RD</sup> SEM 'B' Section	8197140556 <a href="mailto:suraksha.panchangam@gmail.com">suraksha.panchangam@gmail.com</a>		
Rohan shetty	4AL17EC9	ECE 3 <sup>RD</sup> SEM 'B' Section			

➤ Students involved in Project: -

**ABSTRACT**


The main aim of this project is to check the moisture content of the soil and according to that pumping the water. This will be useful in agricultural fields.

*[Signature]* 15/9/18 *[Signature]*  
Faculty coordinator (Dept.)  
Innovation and We club  
Dept. Of Electronics & Communication  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

*[Signature]*  
Principal  
Alva's Institute of Engineering & Technology

## INNOVATION AND WE CLUB REPORT

### 7. INFORMATION SCIENCE AND ENGINEERING DEPARTMENT INNOVATION & WE CLUB STUDENT'S LIST AND PROJECTS DETAILS.



**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 1)

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Th Bikumar Singh	4AL17IS051	ISE- 3 <sup>rd</sup> sem	Birth281998@gmail.com	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Lokesh P	4AL17IS025	ISE- 3 <sup>rd</sup> sem	Plokesh99644@gmail.com	14 <sup>th</sup> Sep 2018	31 <sup>st</sup> Dec 2018
Manish R	4AL17IS026	ISE- 3 <sup>rd</sup> sem	Manishmanu01110@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. O. D.

Dept. Of Information S. & English

Alva's Institute of Engg. & Technology

Mijar, MOODEBIDRI - 574 225



Scanned with CamScanner





### 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

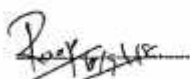
Dr. Roopalakshmi. R

➤ 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:dikshitkotian21@gmail.com">dikshitkotian21@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



Scanned with  
CamScanner

H. O. D.

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

**8. C & C++ TRAINING PROGRAM DONE BY Mr. CHANDAN SHASTRI, FINAL  
YEAR ISE STUDENT.**








**9. COMPLETED PROJECT REPORT CERTIFICATE PHOTO COPY.**

**ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY**  
(Affiliated to Visvesvaraya Technological University, Belagavi)  
MIJAR, MOODBIDRI D.K. -574225, KARNATAKA



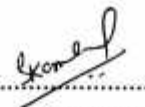

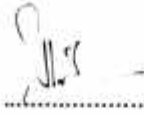
**DEPARTMENT OF MECHANICAL ENGINEERING**

**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

<b>CHETHAN N</b>	<b>4AL16ME012</b>
<b>RAKESH</b>	<b>4AL16ME052</b>
<b>MANOJGOWDA K N</b>	<b>4AL16ME028</b>

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.

 ..... <b>Project Guide</b> <b>Dr. Satyanarayan</b> <b>Professor</b> <b>Dept. of ME</b> <b>AIET, Moodabidire</b>	 ..... <b>Project Coordinator</b> <b>Dr. Satyanarayan</b> <b>Professor</b> <b>Dept. of ME</b> <b>AIET, Moodabidire</b>	 ..... <b>HOD</b> <b>Dr. Harishanand K S</b> <b>Professor</b> <b>Dept. of ME</b> <b>AIET, Moodabidire</b>
---	---	---



**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.**  
J. K. S  
HOD  
Dept. of ME  
AIET, Moodabidire  
H. O. D.  
Dept. Of Mechanical Engineering  
Alva's Institute of Engineering & Technology  
Mijar, Moodabidire - 574 443



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

JASMINE PRINCY LOBO 4AL15CS043  
JOLYN TELLIS 4AL15CS046  
MEGHA 4AL15CS055

Under Supervision of

DR. SUMITH N  
SENIOR ASSISTANT PROFESSOR

*Sumith N*  
11/2/19

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY  
MOODBIDRI-574225, KARNATAKA  
2018-2019

*Sumith N*  
H.O.D.  
Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225

## **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.

<b>VIDUL S CHAVAN</b>	<b>4AL17EC095</b>
<b>PRAGATHI M</b>	<b>4AL17EC072</b>
<b>ROSHNI A B</b>	<b>4AL17EC080</b>
<b>AKSHATHA MADIWALAR</b>	<b>4AL17EC046</b>
<b>YAMUNASHREE N</b>	<b>4AL17EC097</b>



**Signature of the Guide**  
**Mr. JAYAPRAKASH M**



**Signature of the HOD(ECE)**  
**Dr D V MANJUNATHA**

PARTIALLY REPLACEMENT OF COARSE AGGREGATE E-WASTE IN CONCRETE

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

(Unit of Alva's Education foundation, Moodbidri)

"Shobhavana" mijar, Moodbidri-574225, D.K.

DEPARTMENT OF CIVIL ENGINEERING

**Certificate**

This is certificate that following students

<b>Name</b>	<b>USN</b>
<b>OM PRAKASH</b>	<b>4AL17CV047</b>
<b>SHRI HARSHA.S</b>	<b>4AL17CV066</b>
<b>YOGESH KUMAR .N</b>	<b>4AL18CV414</b>

Have submitted project report "**PARTIAL REPLACEMENT OF COARSE AGGREGATE BY E-WASTE IN CONCRETE**" for 4th semester B.E in Civil Engineering during the academic year 2018-2019. The project has been approved as it satisfies the academic requirements in report of project work prescribed for the Bachelor of Engineering Degree.

  
Project Guide

Dr. H.G. Umeshchandra

  
HOD

Dr. H. Ajith Hebbar



Scanned with  
CamScanner



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

MOODBIDRI-574225, KARNATAKA

2018–2019



Dr. Roopalakshmi R.

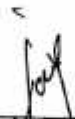
Innovation Lab Coordinator

Dr. ROOPALAKSHMI

Prof., Dept. of Info. Sci. & Engg.

Alva's Institute of Engineering & Technology

Mijar, Moodbidri - 574225



Mr. Jayantkumar A. Rathod

Dept. Of Information Science & Engineering

Head of the Department

Mijar, MOODBIDRI - 574 225



Scanned with  
CamScanner

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225, KARNATAKA



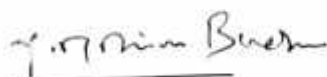
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

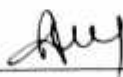
This is to certify that the project entitled "FOREST FIRE DETECTION SYSTEM" has been successfully completed by

MALLIKARJUN H T	4AL16CS048
NAYAN P JOSHI	4AL16CS058
NAMRATHA C	4AL16CS056
NIHARIKA G V	4AL16CS059

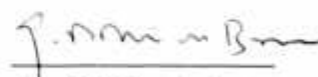
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING, ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY of the VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI during the year 2018-2019. The project report has been approved as it satisfies the requirements of Innovation lab.



Dr. Mohideen Badhusha S  
Project Guide



Dr. Manjunath Kotari  
Head of the department



Dr. Mohideen Badhusha S  
Project Coordinator

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



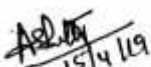
**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

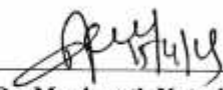
**CERTIFICATE**

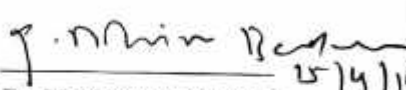
This is to certify that the project entitled **"FUEL TANKER TRUCK ACCIDENT  
DETECTION SYSTEM"** has been successfully completed by

<b>PRATHIKSHA P RAI</b>	<b>4AL15CS070</b>
<b>SUMITH KUMAR S K</b>	<b>4AL15CS095</b>
<b>VARSHA S</b>	<b>4AL15CS104</b>
<b>SHETTY AISHWARYA S</b>	<b>4AL15CS114</b>

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

**INNOVATION AND WE CLUB REPORT**

**9. INNOVATION AND WE CLUB COMPLETED PROJECTS EXHIBITION**

**MR. VIVEK ALVA, MANAGING TRUSTEE AEF & DR. PETER FERNANDES  
PRINCIPAL AIET INTERACTED WITH STUDENTS, AND ALL COORDINATORS  
OF INNOVATION & WE CLUB WERE PRESENT.**



















## 10. 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 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 and Team

### (II) UNMANNED SEA PLANE.

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

