

# **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.  
A+, Accredited by NAAC & NBA (ECE & CSE)



**A Report on**

## **INNOVATION AND WE CLUB ACTIVITIES**

**ACADEMIC YEAR 2022-2023**



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

**Prepared by**

**Dr. SATYANARAYAN**

**Professor and Head**

**Dept. of Mechanical Engineering**

## 1. AIET, INNOVATION AND WE CLUB.

### Innovation and We (IWe) Club

Imagination is the base of innovation. Alva's Institute of Engineering and Technology (AIET) nurture the soft skills and talent of the students to lead their imagination in a proper way.

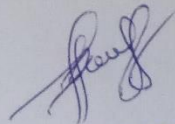
**Mission :** IWe club objective is to nurture creativity and innovation within the Institute community.

**Innovation and We (IWe) 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.

It aims 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.

So, AIET invites young and enthusiastic students for the Innovation and We (IWe) club. **Student individuals** who can act as the team leaders as well as are having the ability to work as the part of a team are hereby informed to join IWe Club. Students are supposed to work on research and development as per the need of industries.

**Interested students are hereby informed to enroll your names**

  
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Copy to All Dean's  
Copy to All HOD's



## INNOVATION AND WE CLUB

Sl. No.	Date of the event conducted	Conducted Activities
01	24.11.2022	Expert talk on “Skills on Writing Quality Research and Review Paper” by <b>Dr. Jayaram, A</b> , Engg Physics, AIET
02	27.02.2023	Workshop on “C-Programming” by CSE Students, AIET Co-ordinator : <b>Dr. Madhusudhan</b> , Associate Professor, Dept. of CSE, AIET
03	11.4.2023	Hands on Session on “Web Designing” by <b>Prof. Pradeep V</b> , Associate Professor, Dept. of ISE, AIET
04	20.3.2023	Institute level Paper Presentation Competition for AIET Students
05	28.6.2023 TO 30.6.2023	<b>Know your IC Engines</b> – A study of exploded view of IC Engine
06	24.7.2023	“Application of Artificial Intelligence (AI) in Indian Agriculture ” <b>By Dr. Shashikumar</b> , Head, and Department of Agriculture Engg, AIET.
07	08.07.2023	Training program on “Groundwater Exploration”
08	08.07.2023	A technical talk on “Life Mission towards Protection of Environment”, <b>Dr. Ravi D.R.</b> Environmental Engineer Karnataka State Pollution Control Board Mangalore
09	29.08.2023	Talk on “Awareness on Travel Grant Schemes by Government for students to present research papers in Abroad” by <b>Dr. Farhan Zameer</b> , Associate Professor, Alva's Ayurveda Medical College, Chief Scientific Officer (CSO), ATMA Research Centre, Moodubidire
10	9.9.2023	An Expert Talk on “ <b>Green Hydrogen Energy</b> ”, <b>Dr. M G Anand Kumar</b> Joint Director and Head Training Division Central Power Research Institute (CPRI) Bengaluru
11	9.9.2023	Enabling Sustainable startups with a sustainability mindset to have net positive impact on Profits, People and Planet Earth by <b>Miss. Sharanya Anand</b> : Operations Analyst - People and Marketing at Simsy Ventures, Bengaluru
12		List of Projects

**Details of Faculty Co-coordinator –Innovation and We Club  
(2022–2023)**

<b>Sl. No</b>	<b>Department</b>	<b>Name of the Faculty Coordinator</b>	<b>Email ID in CAPITAL LETTER</b>
1	Agriculture Engineering	<b>Dr. Shashikumar</b>	<b>hodage@aiet.org.in</b>
2	Artificial Intelligence & Machine Learning	<b>Mr. Apurba chakravarthy</b>	<b>cse.apu@gmail.com</b>
3	Computer Science & Engg	<b>Dr. Madhusudan S</b>	<b>madhusudhan@aiet.org.in</b>
4	Civil Engineering	<b>Dr. Umeshchandra H G</b>	<b>umeshchandra141@gmail.com</b>
		<b>Mr. Sandeep Kumar D S</b>	<b>sandeep@aiet.org.in</b>
5	Electronics & Communication Engg	<b>Mrs. Shwetha M.S</b>	<b>shwethag0329@gmail.com</b>
6	Information Sci. and Eng	<b>Mr. Pradeep V</b>	<b>pradeepv@aiet.org.in</b>
7	Mechanical Engineering	<b>Dr. G B Vaggar</b>	<b>gvaggar7@aiet.org.in</b>
		<b>Mr. Pamod V B</b>	<b>pramodvab@aiet.org.in</b>

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Dakshina Kannada Karnataka, India.



**A Report**

**on**



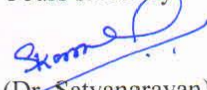
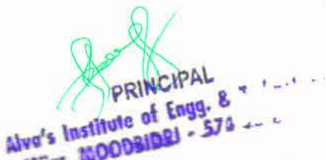
**Expert talk on**

**“A Writing Quality Research and Review Paper”**



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

**INNOVATION AND WE CLUB**

 <p><b>ALVA'S</b> Education Foundation®</p>	<p><b>ALVA'S INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b></p> <p><b>INNOVATION AND WE CLUB</b></p>	 <p><b>AIET</b> I &amp; We</p>
Ref: AIET/I & We/ME/2022-23		Date: 22-11-2022
<p>From, <b>Dr. Satyanarayan</b> Co-ordinator Innovation &amp; We Club AIET, Moodbidri.</p> <p>To, <b>Dr. Peter Fernandes</b> Principal Alva's Institute of Engineering and Technology</p> <p>Dear Sir,</p> <p><b>Sub: - Request for the permission to organise an Expert Talk on 24-11-2022</b></p> <p>With reference to the above subject Innovation and We Club is planning to organise an Expert talk by <b>Dr. Jayarama A</b>, Professor, Department of Engineering Physics on "<b>Skills on Writing Quality Research and Review Paper</b>" at Civil Engineering Seminar Hall at 3.30pm on 24-11-2022.</p> <p>The session would be very educative in the field of Innovation and Research. Hence kindly permit for the same.</p> <p>Thanking you</p> <p>Yours sincerely  (Dr. Satyanarayan)</p> <p style="text-align: center;"> PRINCIPAL Alva's Institute of Engg. &amp; Tech. MIJAR, MOODBIDRI - 574 400</p>		



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



24/11/2022

**CIRCULAR**

The Faculty and Students Members of “**Innovation and We Club**”, are hereby informed to attend the expert talk on “*Writing Quality Research and Review Paper*” by *Dr. Jayarama A, Dept. of Physics, AIET* on 24-11-2022 at **3.30PM.**

**Venue : Civil Engineering Seminar Hall**



**Principal**

**PRINCIPAL**

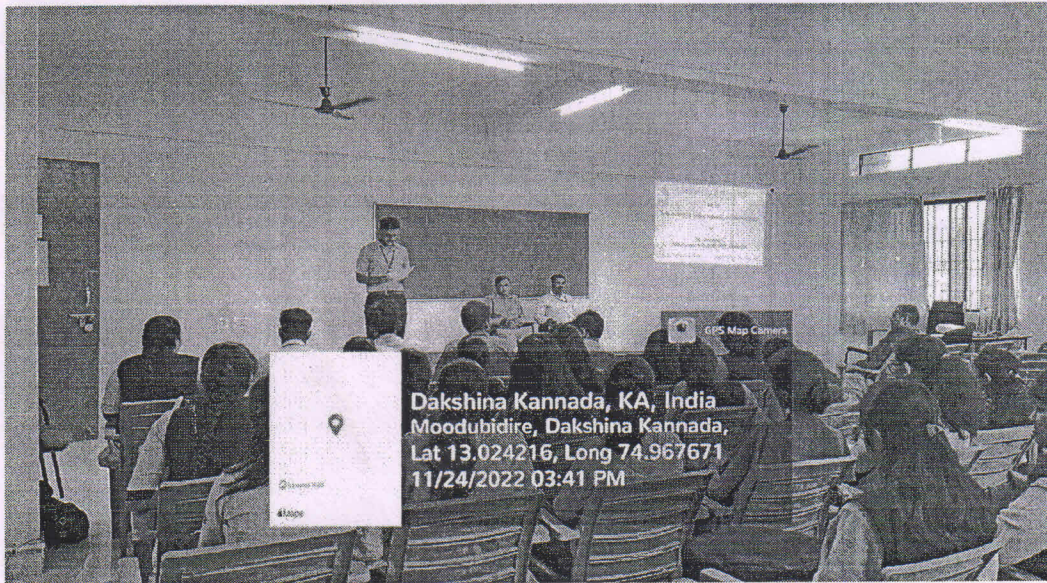
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Mijar. MOODBIDRI - 574 225, D.K**



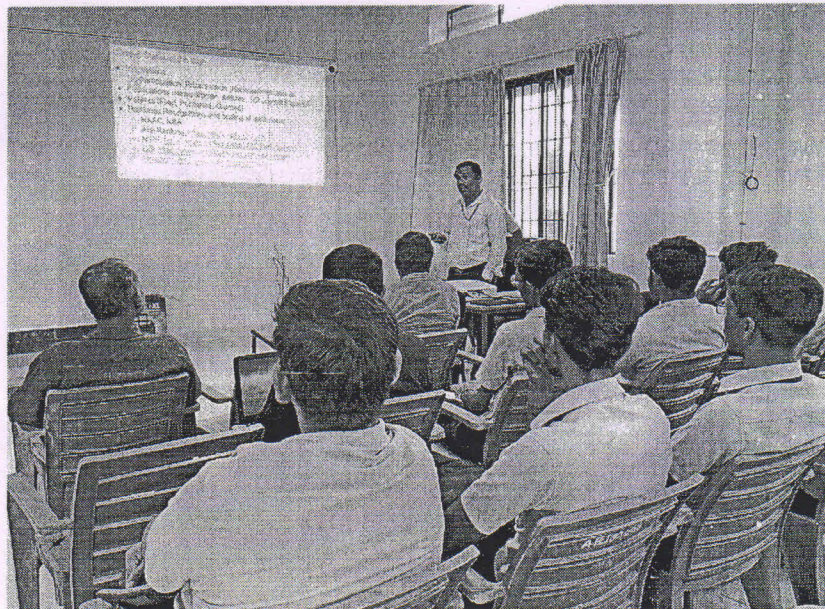
Report on Expert Talk

On the behalf of Innovation and We Club, AIET, an expert talk on “Writing Quality Research and Review Paper” was held on 24-11-2022 at 3.30 pm in Civil Engineering seminar hall was organized.

A talk on “*Writing Quality Research and Review Paper*” was delivered by **Dr. Jayarama A**, Professor, Department of Engineering Physics, Alva's Institute of Engineering and Technology



**Dignitaries on dais during welcoming of Resource Person by Dr. Jayarma**



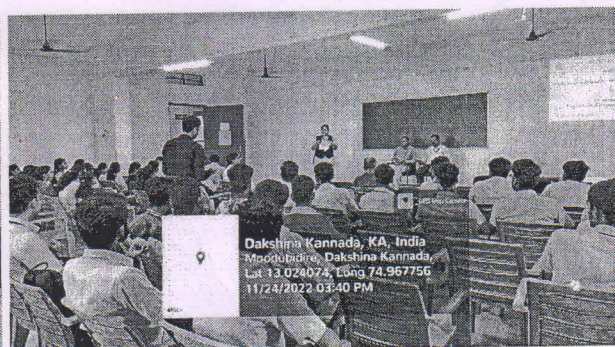
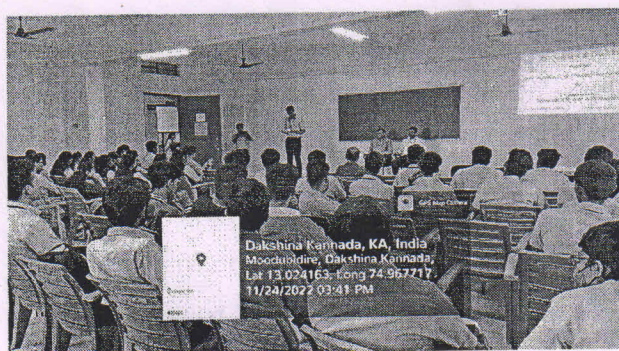
**Expert talk by Dr. Jayarma A.**



**Dr. Jayarama A** began the talk with current status of higher education Institutions, he highlights the research comparison between our country and other countries. How majority of Indian Institutions / Universities are neglected the quality education due to which placements affects largely. He gave clear clarity on quality measuring tools like NBA, NAAC and NIRF their importance in improving the quality of education.

**Dr. Jayarama** also highlighted that the balancing of teaching and research both equally are plays very important role in attaining the quality education. By taking example as NIRF the top raked Institutions of India are only IITs and NITs only, so improving in quality of projects and research orient projects execution will enhance the NIRF rankings of other than IITs and NITs Institutions.

He was elaborated information about AIET research activities and their status to gather students. Role and working of Alva's Centre for Advanced Research in improving the research skills of students by collaborating with other institutions. In his presentation Dr. Jayarama explained the various different areas of which are currently handling under Alva's Centre for Advanced Research (ACAR) and their benefits to society.



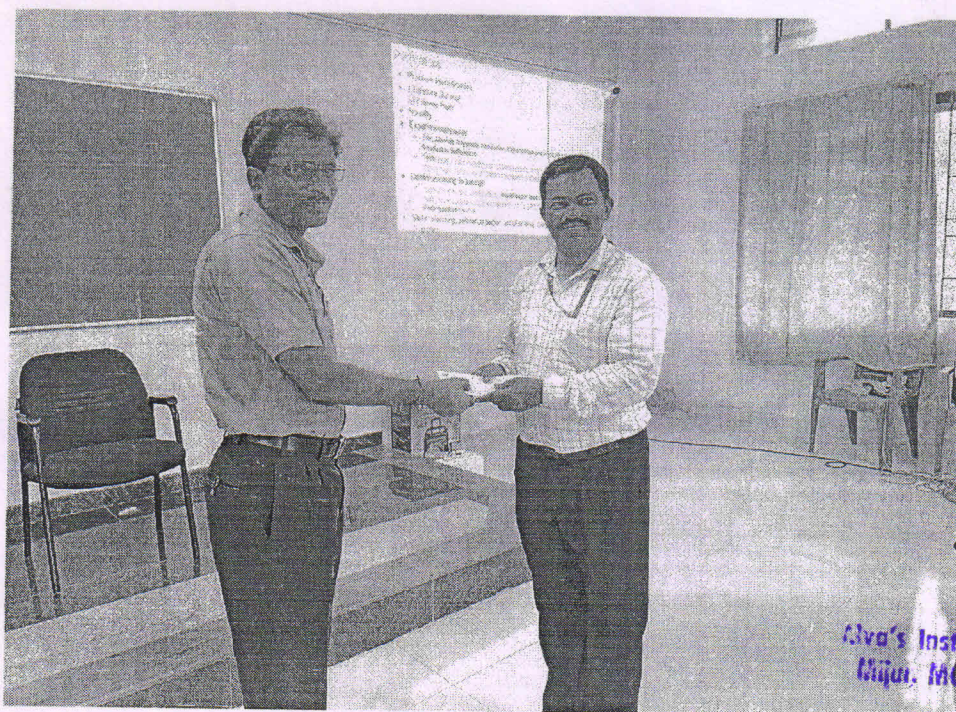
AIET Faculty and Students of I&WE clubs attended expert talk.



## INNOVATION AND WE CLUB REPORT

It was also highlighted that, the goal of writing a Research or Review is to change student's behavior: for instance, to change the way they think about a research problem or to convince them to use a new approach. It was stressed that before writing a paper, everyone need to understand your audience. Who will read our paper? What are their backgrounds, motivations, interests, and beliefs? What are the key points you want a reader person to take away from your paper? Once you know the thesis and audience, you can determine what points your document should make to achieve its purpose.

It was stressed that, for each point in a paper, it is necessary to explain both what and why. Start with what, but don't omit why. For example, it is not enough to state how an algorithm works; you should explain why it works in that way, or why another way of solving the problem would be different. Similarly, it is not sufficient to present a figure or facts. You must also ensure that reader understands the significance or implications of the figure and what parts of it are most important.



*[Handwritten signature]*

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**A memento presented to Dr. JamaramA by Dr. Umeshchandra**

After the talk as a token love and respect a memento given to Dr. Jayarama A. Around 45 students and 10 Faculties were attended the talk and got benefitted by Technical talk information.

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*[Handwritten signature]*





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**AIET Faculty and Students of I&WE clubs attended expert talk.**



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Shobhavana Campus, Mijar, Moodbidri - 574 225, Mangalore, D.K., Karnataka State.  
Phone : 08258-262724 (O), 262725 (P). Telefax:08258-262726  
Email : principalaiet08@gmail.com, Web:www.aiet.org.in

Ref No: AIET/ACA/2022-23

Date: 24th November 2022

**APPRECIATION LETTER**

This is to appreciate that **Dr. Jayarama A**, Associate Professor, Department of Physics, Alva's Institute of Engineering & Technology, Moodbidri had given an expert talk on "*Skills On Writing Research & Review Paper*" on 24<sup>th</sup> November 2022, organized by the Innovation & We Club of Alva's Institute of Engineering and Technology.

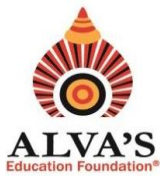
I express heartfelt thanks to **Dr. Jayarama A** for sharing the knowledge and providing valuable inputs to the students



HOD, ME

INNOVATION & WE CLUB COORDINATOR

H. O. G.  
Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574225



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### A Report

on

**“Hands-on Session on Web Designing”**



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

**INNOVATION AND WE CLUB**

Date: 03.04.2023


Circular

Sub: "Hands-on Session on Web Designing" on 11<sup>th</sup> April, 2023.

With an objective of creating awareness to the students on Web designing and to bring out the creative idea of students, the Innovation and We Club has planned a "Hands-on Session on Web Designing" on 11<sup>th</sup> April, 2023 from 9.30 am to 12.30 pm at CAMD Lab – Mechanical Block. In this regard, the Department Heads and I & We Club coordinators of Mech, Civil and ECE are informed to nominate VI semester I & We Club members and interested students.



Faculty In-charge  
Mr. Pradeep V  
Sr. Asst. Prof., ISE Dept.



Coordinator, I & We Club  
Dr. Satyanarayan  
HoD – Mech. Engg.



Principal  
PRINCIPAL  
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Mijar. MOODBIDRI - 574 225, D.K

- Copy to: 1. HoDs (ME/CV/ECE)  
2. I and We Club Coordinators  
3. V Semester ME/CV/ECE Students through HoDs/ Faculty Coordinators





## Alva's Institute of Engineering & Technology

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

### INNOVATION AND WE CLUB

## Hands-on Session on Web Designing

11<sup>th</sup> April 2023

### Event Report

#### Event Objective:

- To bring out the creative idea of students and to gauge their knowledge and awareness of various trends in Web Designing.
- To motivate the students based on their creative aspects.
- To trigger thought process among the students towards recent trends in the field of Web Designing.
- To motivate the students to spend time in meaningful activity and to be a creator of the digital world instead.
- To unleash students' creativity and to actualize their imagination.

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# Alva's Institute of Engineering & Technology

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## INNOVATION AND WE CLUB

### Hands-on Session on Web Designing

11<sup>th</sup> April 2023

### Event Report

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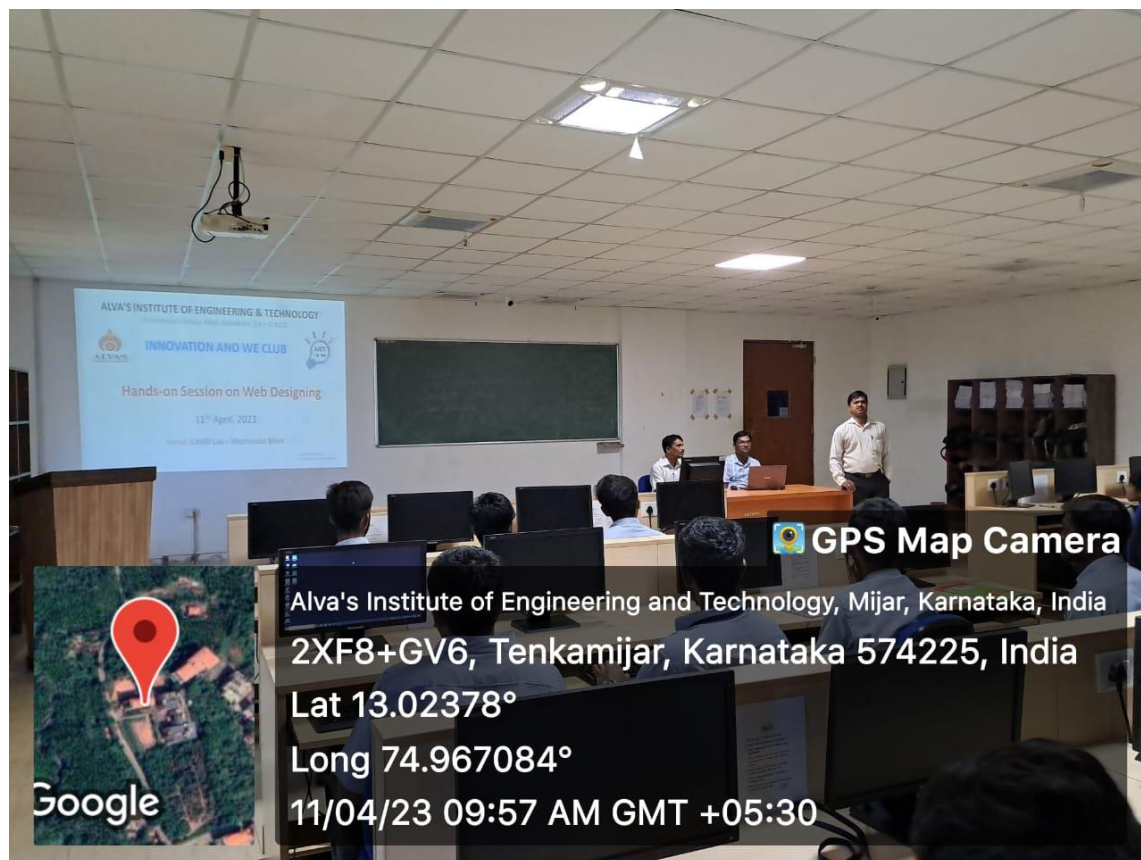
## Highlights:

The Innovation and We Club of Alva's Institute of Engineering & Technology has organized a "Hands-on Session on Web Designing" on 11<sup>th</sup> April 2023 from 9.30 am to 12.30 pm at CAMD Lab – Mechanical Block. The resource person is Mr. Pradeep V, Sr. Asst. Professor, Dept. of Information Science and Engineering. In the session, he has provided the hands-on session on the following topics:

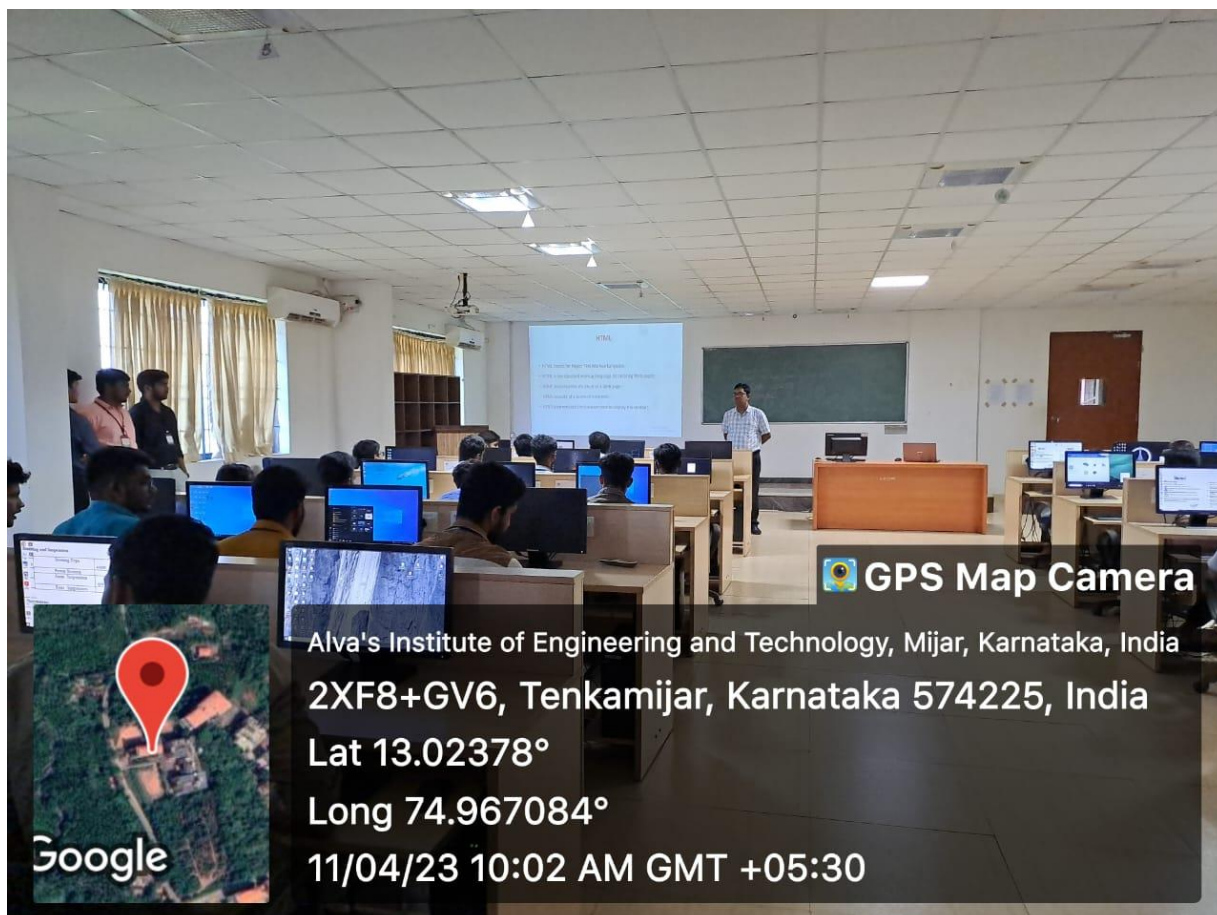
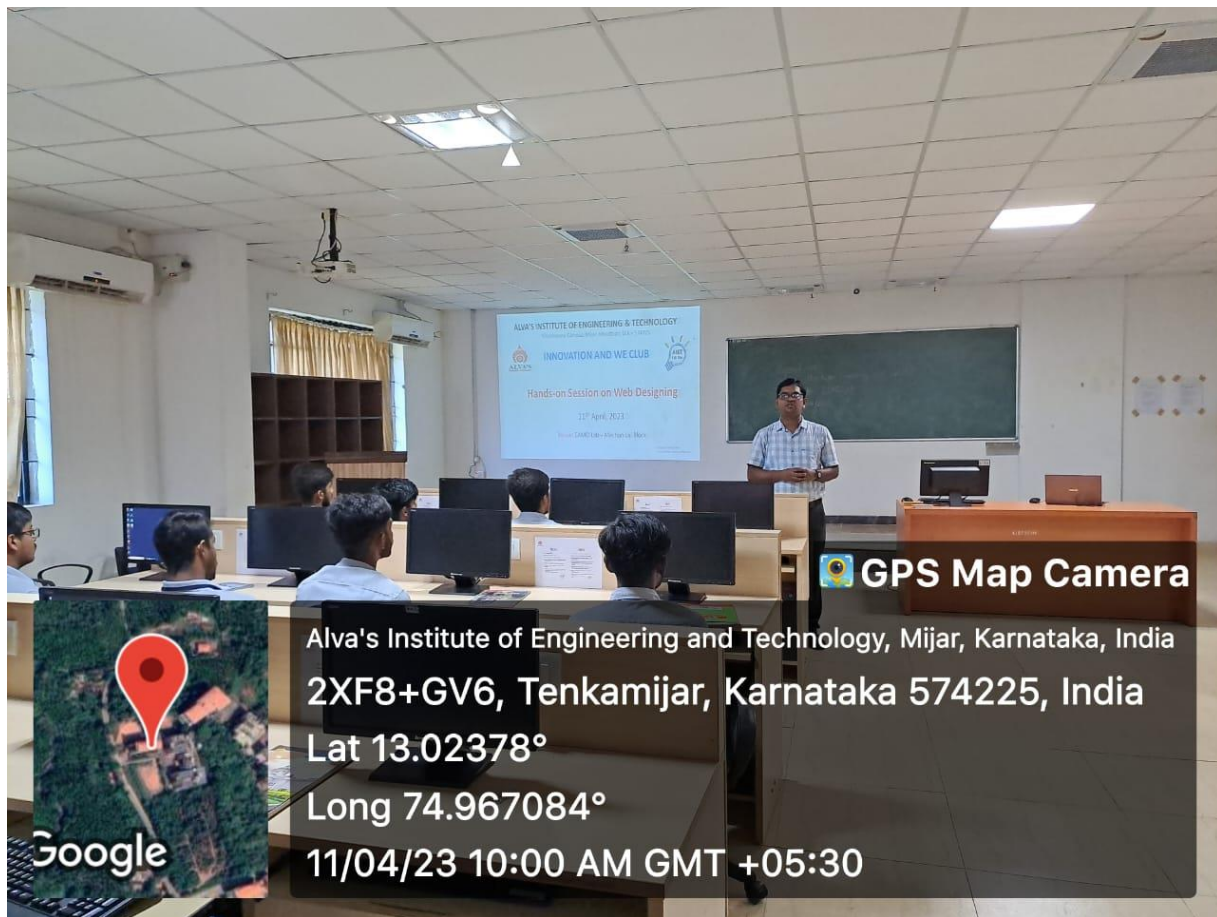
- Introduction to Web designing and HTML
- Creating an HTML document
- Mark up Tags
- Heading-Paragraphs
- Elements of HTML
- Working with Text
- Introduction to Hyperlinks, Images and Multimedia

The Coordinator of Innovation and We Club, Dr. Satyanarayan, Head - Mechanical Engineering, Department Faculty Coordinators of the Club and 42 Students of Mechanical, Civil and ECE Students participated and benefited from the program.

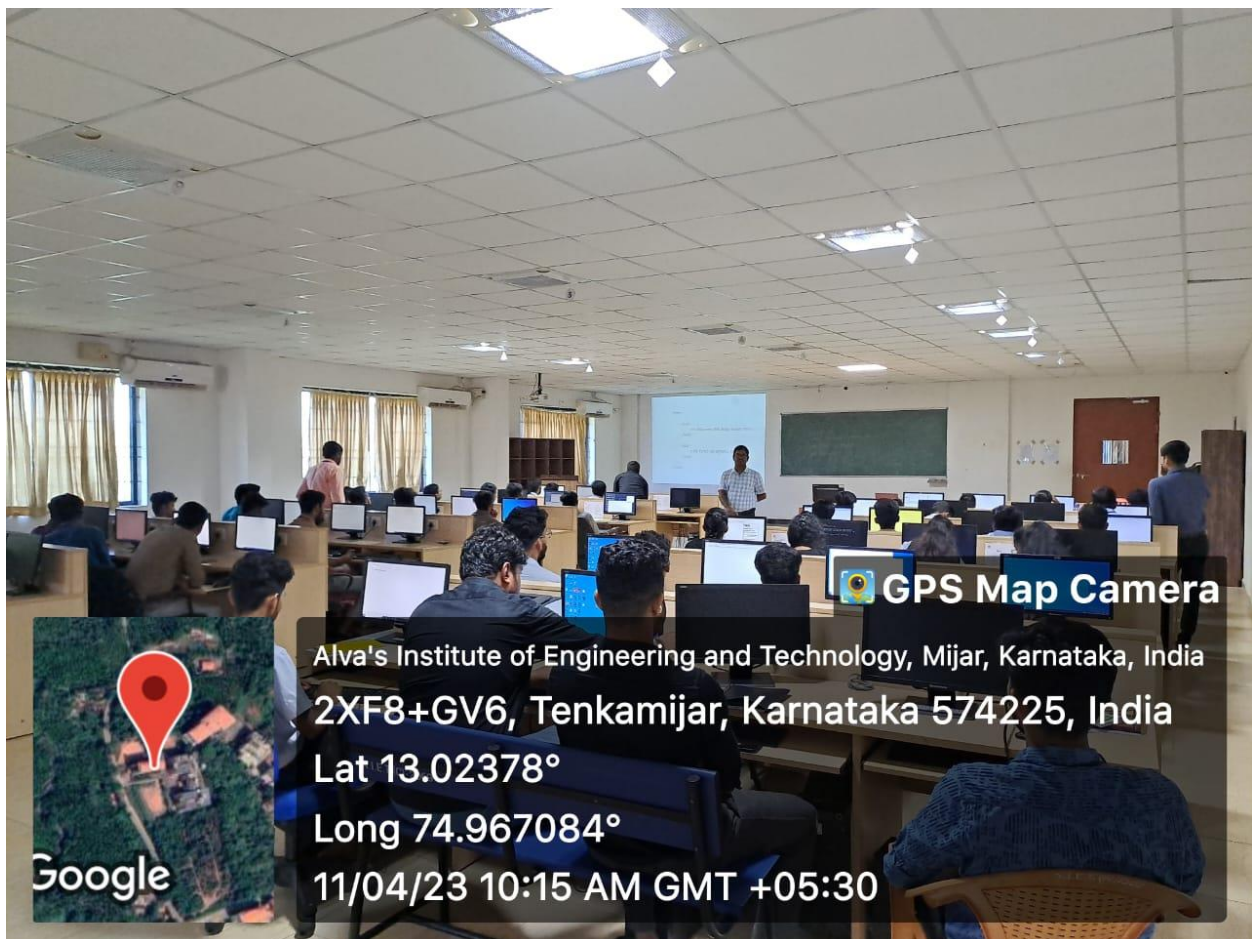
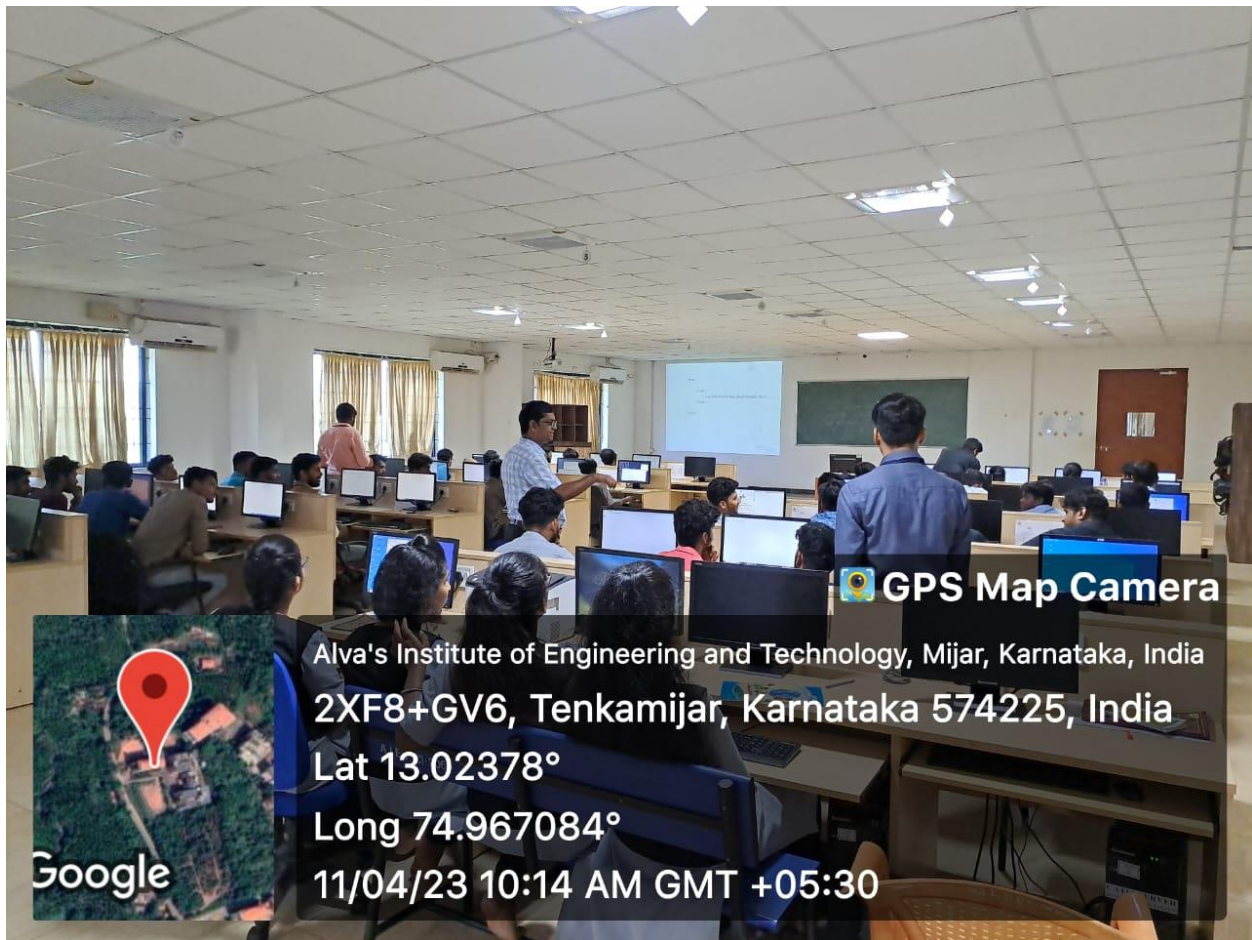
## Inauguration of the Event:



## Session Snapshots:







**REPORT**  
**ON**  
**“C- Programming Workshop”**  
**ORGANISED BY**  
**Innovation and We Club**

**DATE: 27<sup>th</sup> February, 2023**



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INNOVATION AND WE CLUB

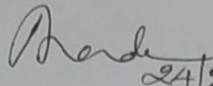


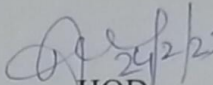
Department of Computer Science and Engineering

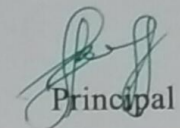
Date: 24<sup>th</sup> Feb, 2023

## Circular

It is hereby informed to all students of Innovation and We club, that workshop on C Programming is on 27<sup>th</sup> Feb, 2023 (Timing: 2 to 5 PM) at CSE department. Register your names to faculty coordinator within 25<sup>th</sup> Feb, 2023.

  
24/2/23  
Faculty coordinator (CSE)  
Innovation and We club

  
24/2/23  
HOD  
Dept. of CSE

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

## REPORT ON “C Programming Workshop”

**RESOURCE PERSON: Mr. Chinmay Dayanand Kamath**

As a part of activities conducted by Innovation and We Club, Mr. Chinmay Dayanand Kamath along with final semester students conducted workshop on “C Programming” on 27th February, 2023.



Mr. Chinmay Dayanand Kamath explained the various concepts of C programming fundamentals. Students were introduced to C programming concepts. All the students learnt about C programming language. C is a powerful general-purpose programming language. It can be used to develop software like operating systems, databases, compilers, and so on. C programming is an excellent language to learn to program for beginners. C programming is a general-purpose, procedural, imperative computer programming language developed in 1972 by Dennis M. Ritchie at the Bell Telephone Laboratories to develop the UNIX operating system. C is the most widely used computer language.

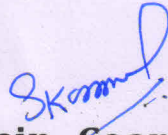


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Finally, HOD of CSE gave vote of thanks to resource speaker and winded up the workshop. About 54 students from ECE, CIVIL, MECHANICAL dept were participated the workshop. Dr. Madhusudhan S is coordinated this program along with student coordinators.



**Coordinator (CSE)**



**Main-Coordinator**



**Principal**

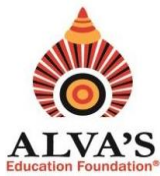
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Vivek's Institute of Engg. & Technology,  
Majur. MOODBIDRI - 574 225, D.K



## C workshop Registered students list

Sl No	Name	USN	Branch	Signature
1	Thyashwari P	4AL21EC100	ECE	Thyashwari P
2	Shravya Shetty	4AL21EC080	ECE	Shravya Shetty
3	Vaishnavi Nair	4AL21EC105	ECE	Vaishnavi Nair
4	Tanisha K	4AL21EC097	ECE	Tanisha K
5	Suma K.G	4AL21EC094	ECE	Suma K.G
6	Anirudh K	4AL21EC008	TSE	Anirudh K
7	Kelvin	4AL21EC001	TSE	Kelvin
8	Shivakumar	4AL21EC079	ECE	Shivakumar
9	Sumitha M	4AL21EC095	ECE	Sumitha M
10	Sharvani Rao	4AL21CS135	CSE	Sharvani Rao
11	Shreya	4AL21CS144	CSE	Shreya
12	Sansitha Rajesh	4AL21CS130	CSE	Sansitha Rajesh
13	LAKSHAN	4AL21EC042	ECE	LAKSHAN
14	SUDESH D Shetty	4AL21ME015	ME	SUDESH D Shetty
15	Charan Kumar	4AL21ME004	ME	Charan Kumar
16	Mohammed Sathik	4AL21ME007	ME	Mohammed Sathik
17	Thijas J Kotian	4AL21EC099	ECE	Thijas J Kotian
18	Melwin Sora	4AL21ME006	ME	Melwin Sora
19	Navaneeth	4AL21ME009	ME	Navaneeth
20	Akhil Sharma	4AL21ME002	ME	Akhil Sharma
21	Akshatha	4AL21CS013	CSE	Akshatha
22	Akshatha	4AL21CS014	CSE	Akshatha
23	Anamika Tiwari	4AL21CS018	CSE	Anamika Tiwari
24	Ankita Anand Jodi	4AL21CS022	CSE	Ankita Anand Jodi
25	Harshitha S	4AL21CS047	CSE	Harshitha S
26	Madhura B.S	4AL21CS063	CSE	Madhura B.S
27	Pranav Kumar V.S	4AL21CS051	CSE	Pranav Kumar V.S
28	Ramya R	4AL21EC068	ECE	Ramya R
29	Aishwarya G.D	4AL21CS011	CSE	Aishwarya G.D
30	Periyasami M	4AL21EC061	ECE	Periyasami M
31	Rakshith	4AL21EC067	ECE	Rakshith
32	Navaneeth	4AL21EC000	ECE	Navaneeth
33	Dhanyalakshmi	4AL21CS095	CSE	Dhanyalakshmi
34	Sankshi Shetty	4AL21CS128	CSE	Sankshi Shetty
35	Laya R	4AL21IS024	TSE	Laya R
36	Aishwarya S	4AL21IS003	TSE	Aishwarya S
37	Prashanth K	4AL21CV007	Civil	Prashanth K
38	Prathvi M	4AL21CV008	Civil	Prathvi M
39	AKSHAY M	4AL21ME003	ME	AKSHAY M
40	Kiran Kashyap M	4AL21EC040	ECE	Kiran Kashyap M
41	Nidish B.V	4AL21CC088	CSE	Nidish B.V
42	Lokesh T	4AL21EC044	ECE	Lokesh T
43	Nallanagouda	4AL21EC047	ECE	Nallanagouda

Sl No	Name	USN	Branch	Signature
44	Akshay Kumar	21EC005	ECE	Akshay Kumar
45	Ananya M	21EC004	ECE	Ananya M
46	NRIPATHA A.S	21CV005	Civil	NRIPATHA A.S
47	Bindya G.S	21CV002	Civil	Bindya G.S
48	Vaia	21CV014	Civil	Vaia
49	GURUKIRAN P.	21CS044	CSE	GURUKIRAN P.
50	Rishwanandip	21CS115	CSE	Rishwanandip
51	Priyanka D	21CS105	CSE	Priyanka D
52	Harajeevan C	21EC009	ECE	Harajeevan C
53	Venkata Sai	21EC103	ECE	Venkata Sai
54	Nidish M	21EC115	ECE	Nidish M
55	Mogeshwar M	21EC115	ECE	Mogeshwar M



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### **A Report on Paper Presentation Competition**



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

### **INNOVATION AND WE CLUB**

Date-01/03/2023

**Circular**

It is hereby informed to all the students of AIET that, Innovation and We Club is organizing "Paper Presentation Competition". The students are informed to follow IEEE format for preparation of their concerned department research or review paper and submit the paper on or before 13/03/2023. The best presented students will be honoured with prize and e-certificates. In this regard, I request all the HODs and faculties kindly encourage and assist your students to participate more in the event.

**Venue:** Civil Engineering Seminar Hall, Mechanical Engineering Room No (401& 403)

**Date:** 20/03/2023

**Timings:** 10:00 AM to 4:30 PM

**Note:** The details are attached

  
I & We Club Coordinator

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

Copy to: Principal table

All Deans/All HODs/AO/Warden/SWO

AE/AIML/CV/CSE/ECE/ISE/ME/MBA/PHY/CHEM/MATHS





# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

Intra Collegiate

## Technical Paper Presentation Competition

Organized by  
**Innovation and We Club**

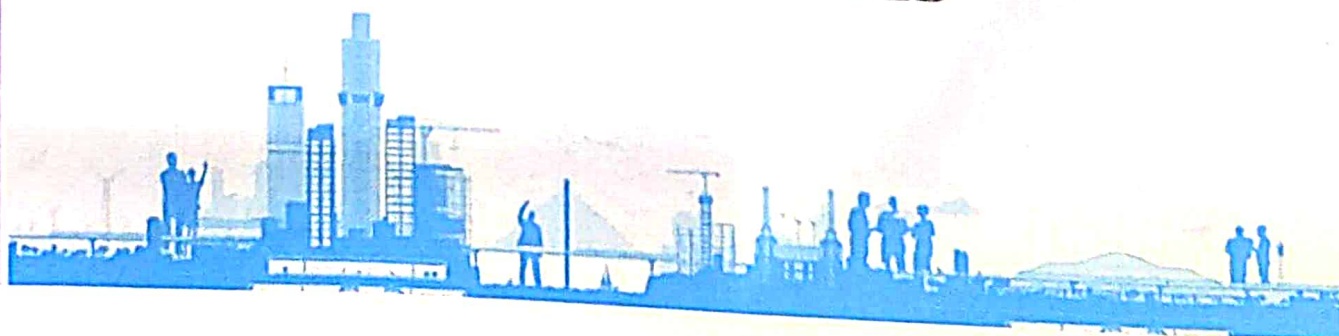
in association with

**Institution's Innovation Council (IIC)**



Date: 20/03/2023  
Time: 9:30am-4:30pm  
Venue: Mech Block

*ALL ARE CORDIALLY INVITED*





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Format = **IEEE**

Max. Length of paper = **06 pages**

Presentation + discussion timings: **8+2 min**

The students are informed to send the full length paper to their respective department coordinator and their email Ids are given below.

Sl.No	Department	Name of faculty coordinator	Email ID
1	Agricultural Engineering	Dr. Shashikumar	shashikumar@aiet.org.in
2	Artificial Intelligence & Machine Learning	Mr. Apoorva Chakravarthy	cse.apu@gmail.com
3	Computer science & Engineering	Dr Madhusudan	madhusudhan@aiet.org.in
4	Civil Engineering	Dr. Umeshchandra H G	umeshchandra141@aiet.org.in
5	Electronics & Computer Engineering	Dr. Veera Pratap	veeraprathap2001@gmail.com
6	Mechanical Engineering	Dr. G. B Vaggar	gvaggar@aiet.org.in
7	Information Science & Engineering	Mr. Pradeep V	pradeepv@aiet.org.in
8	Computer Science and Design	Mr. Venugopal Rao	aietcsd08@aiet.org.in



### Innovation and We club Paper presentation competition report

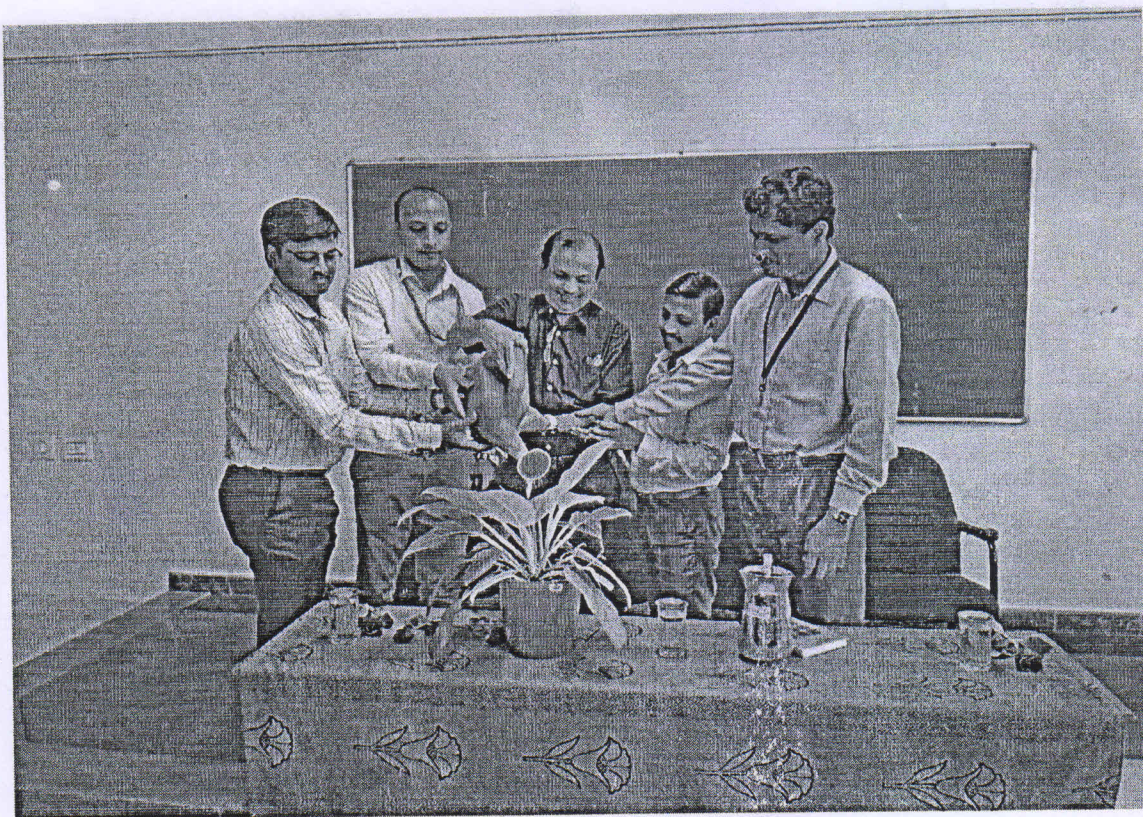
Innovation and We club of AIET, organized a paper presentation competition for students of AIET on 20<sup>th</sup> March 2023, at Civil engineering seminar hall AIET. Inauguration of paper presentation competition was done by showering a water on plant by Dr. Ajith Hebbar, HoD Civil Engineering Dept., Dr. Shashikumar, HoD of Agriculture Engineering Dept.

Dr. Ajith Hebbar, HoD Civil Engineering Dept addressed the gathering about paper presentation and its impact. Dr. Gurushanth B Vaggar, Innovation and we club member gave the brief report on Innovation and We club & its activities.

Paper competition event started at 10.00 am at Civil engineering seminar hall for ME, CV and Agriculture Engineering students. For CSE, ECE, ISE and CSD branches at lecture hall 505, ME block, AIET. Total 31 technical papers presented by AIET students, (CV=13, ME=06, CSE=05, ECE=04 and AGR=03). All students enthusiastically presented their papers.

On 20<sup>th</sup> March evening at 4.30 pm during valedictory function all prize winners received the certificates and trophy from Innovation and We club coordinators and guests.

#### Photos of Event:



Inauguration of paper presentation competition.

*Skom*



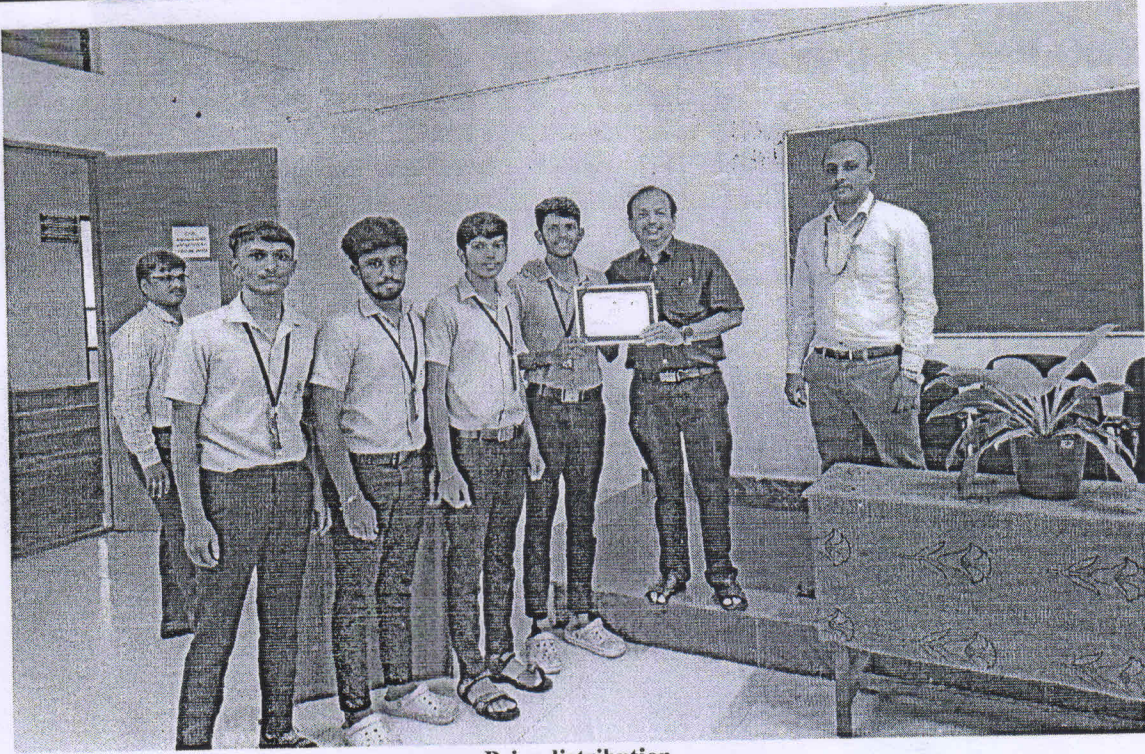


**Dr. Ajith Hebbar, HoD Civil Engineering Dept addressed the gathering.**



**Dr. Gurushanth B Vaggar, Innovation and we club member gave the brief report on Innovation and We club.**





Prize distribution.

*Skom*



PRINCIPAL

Alva's Institute of Engg. & Technology,  
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### **Innovation and We club A Report on Paper Presentation Competition**

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**Inauguration of paper presentation competition.**



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**Dr. Gurushanth B Vaggar, Innovation and we club member gave the brief report on Innovation and We club.**





**Prize distribution.**

**Branch wise Winners List in Paper Presentation Competition**

**Winners**

**CSE**

**First place :** Harshika and K G Shreya

Title: Image Defogging

**Second Place ;** Anurag M S and Gurukiran P

Title: Image Deraining.

**ECE**

**First place :** Kruthik B S and Nikhil S

Title: Palliative chair

**Second Place :** Kiran Kashyap M and Goutham M A

Title: Smart Dustbin.

**AGRI**

**First place:** Tejas Kumar

Title: Organic weeding

**Civil**

**First place :** Raju Annigeri and Rashek

Title: Accident studies on national highways 169 between Yadapadavu and Moodbidri.

**Second Place:** A Dhanush and Bindya G S

Title: WSM using operations some geospatial technology and insitive data of the L B R system.

**ME**

**First place:** Umarfarooq and Pavan Kumar

Title: Portable Electrical Ploughing, Spraying and Levelling Machine.

**Second Place** Akshar

Title: Study of Thermal resistance on interface materials.





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**A Report**

**on**

**“A Study of Exploded View of IC Engine”**



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

**INNOVATION AND WE CLUB**





AIET/I&We/AY2022-23/

Date-20/06/2023

### Circular

AIET Innovation & We club is organizing an "A study of exploded view of IC Engine" workshop for all the club members and interested students of all department on 28/06/2023 (Wednesday) 9:00am to 4.30pm in Auto club (ME block).

Interested students can register their names to club coordinators & below mentioned link on or before 27/06/2023.

**Link:**

[https://docs.google.com/forms/d/1nM\\_UbH\\_bs8TAgljAvyIjYthsHnmaK3\\_2Wpizp8mbdIDo/edit](https://docs.google.com/forms/d/1nM_UbH_bs8TAgljAvyIjYthsHnmaK3_2Wpizp8mbdIDo/edit)

Venue: Auto club, ME Block, AIET.

Student Coordinators: 1. Chirant 6<sup>th</sup> Sem ME - 8105610036  
2. Pavan 6<sup>th</sup> Sem ME - 7676694044

  
Coordinator

Innovation & We club.

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

Copy to

1. Principal table
2. All HOD's of  
ME/CV/CSE/ECE/IEE/AIML/CSD/MBA/AGRI/PIIT/CHEM/MAT
3. To All Classrooms



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## INNOVATION & WE CLUB

To

Date -20/06/23

IQAC Chairman

AIET, Mijar

Respected Sir

Sub: Requesting for permission to conduct Workshop on **A study of Exploded view of IC Engine** for club members.

We are happy to inform you that Innovation & We club is conducting workshop on **A study of exploded view of IC Engine** on 28/06/2023 by the club members for new members and interested students of AIET. The details are mentioned below, kindly request you do the needful.

Venue: Auto Club ME Block, AIET

Date: 28/06/2023

  
Coordinator

Innovation & We Club



PRINCIPAL

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## INNOVATION AND WE CLUB

### ACTIVITY/EVENT INFORMATION RECKONER

Date: 20/6/23

ACTIVITY/EVENT NO.	ACTIVITY/ EVENT TITLE
1.	A STUDY OF EXPLODED VIEW OF IC ENGINE

DAY	DATE/S (FROM - TO)	TIME	VENUE/OUTDOOR LOCATION
1	28/06/2023	9.00 am to 4.30 pm	AUTO CLUB

RESOURCE PERSON/PEOPLE, DESIGNATION & ORGANIZATION		
1) Club Members & Interested students	2)	3)

WHO ARE THE BENEFICIARIES?
Newly joined members and Interested students of AIET


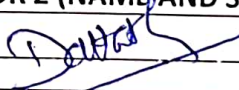
OBJECTIVE OF THE ACTIVITY/ EVENT
To provide hands on experience of an exploded views of IC Engine.

RELEVANCY OF THE ACTIVITY/ EVENT
To attain knowledge of how a IC Engine can be assembled & disassembled.

FACILITIES REQUIRED
Auto Club ( Available)

BUDGET PROPOSED	REVISED BUDGET	AMOUNT SANCTIONED
NIL	NIL	NIL

COORDINATOR 1 (NAME AND SIGNATURE)	COORDINATOR 2 (NAME AND SIGNATURE)
Dr. Satyanarayan	Dr. Dattathreya

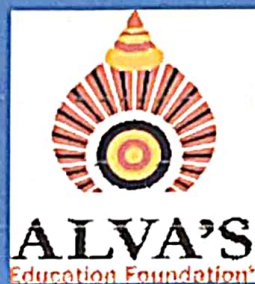
COMMENTS	COMMENTS
 B. DURGAPRASAD BALIGA Dean (Student Affairs)	 MANAGING TRUSTEE

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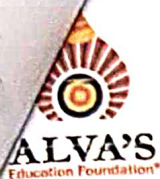


**A STUDY OF EXPLODED VIEW OF  
IC ENGINE**

**Organized by**

**INNOVATION & WE CLUB**

**A Study of Exploded View of IC Engine**



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S. No	Content	Page No.
1	Introduction	1
2	Objectives	1
3	Topics covered & Schedule	1
4	Outcome of the session	1
5	Event Photos	2
	Annexure I- Permission letter	
	Annexure II- Brochure	
	Annexure IV- Student Attendance	



### **Innovation and We club A study of exploded view of IC Engine**

#### **Introduction:**

Innovation and We club of AIET, organized a hands-on session on "A study of exploded view of IC Engine" in collaboration with Chellrohn Motors Yamaha, Fortune Highway, Moodabidri-Karkala Rd, Jainpete, Moodbidri, Karnataka 574227, on 28<sup>th</sup> June 2023 & 30<sup>th</sup> June 2023 from 2.00 pm to 5.00 pm.

Mr. Royson Pinto, Engineer from Chellrohn Motors Yamaha, trained the students of 4<sup>th</sup> semester mechanical engineering, he explained thoroughly about latest 4 stroke engine and allowed the students to handle the engine while assembling & disassembling the engine parts. Mr. Royson Pinto also explained the latest Yamaha bike engines and their specifications.

#### **Objectives of the Program:**

The students attending the hands-on session will able:

- To know layout and arrangements engine parts.
- To provide awareness about safety and precautionary measure.
- To Provide awareness on technology incorporated in enhancement of engine performance.

#### **Topics covered in hands-on session:**

- Assemble and disassemble of 150CC SPI system BS-VI Yamaha Engine
- Technology incorporated in Yamaha Bike to get better performance

#### **Schedule of the sessions:**

Date	Topics covered	Batch
28/06/2023	Assemble and disassemble of Yamaha Engine. Advanced Technology Training	Batch 1
30/06/2023	Assemble and disassemble of Yamaha Engine. Advanced Technology Training	Batch 2

#### **Outcome of the session:**

- Students able to understand IC Engine parts thoroughly and IC Engine assemble & disassemble techniques.
- Students able to know the advanced technology adopted in new Yamaha bike.



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## Photos of Event:



**Assemble & disassemble of Yamaha Bike Engine.**

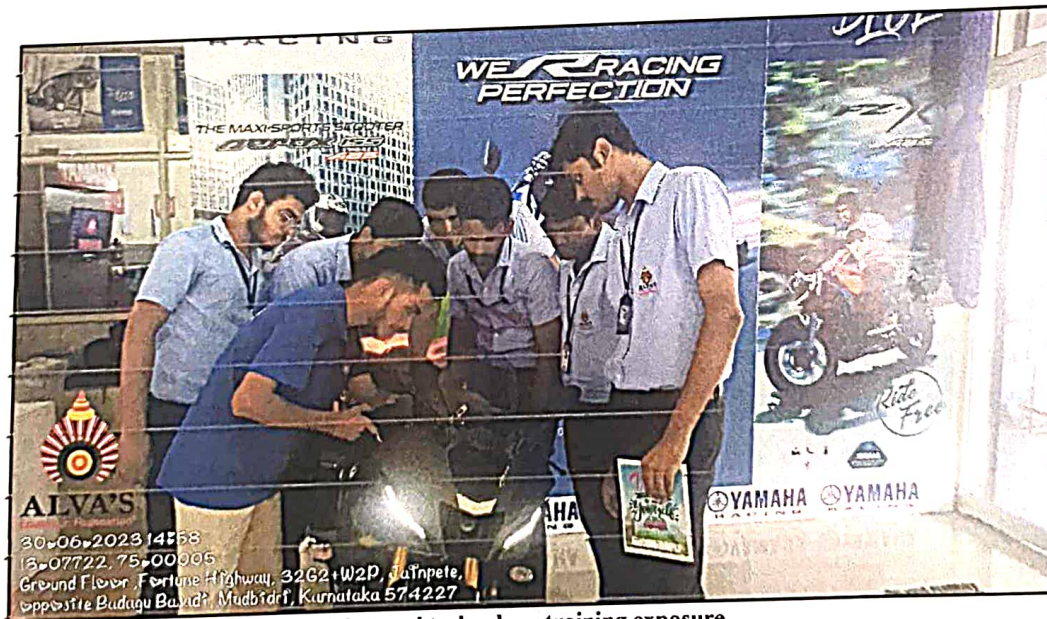


**Assemble & disassemble of Yamaha Bike Engine.**





Advanced technology training exposure.



Advanced technology training exposure.

*[Signature]*  
Faculty Coordinator (ME)

*[Signature]*  
HOD

*[Signature]*  
IQAC Coordinator

*[Signature]*  
IQAC Chairman / Principal  
PRINCIPAL

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**A Report**

**on**

**Expert Talk on**

**“Application of AI in Indian Agriculture”**



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

**INNOVATION AND WE CLUB**



**INNOVATION AND WE CLUB**

**CIRCULAR**

The faculty and students members of "Innovation and We Club" are hereby informed to attend the expert talk on "Application of Artificial Intelligence in Indian Agriculture" by **Dr. Shashikumar**, Dept., of Agriculture Engineering, AIET on 24-07-2023 at 11:00 AM – 11:45 AM

**Venue: Civil Engineering Seminar Hall**



**Coordinator**



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

### Technical talk report

**Title of the talk:** Application of Artificial Intelligence (AI) in Indian Agriculture

**Resource Person:** Dr. Shashikumar, Head, Department of Agriculture Engg, AIET.

**Organed by:** Innovation and We club

**Venue:** Civil Engineering Seminar hall

**Date:** 24/7/2023 at 11:50am (Monday)

#### Objectives

To know about the importance, challenges and way forward of AI in Indian agriculture.

#### Brief Report on the event

The Innovation and We Club organized a technical talk on “*Application of Artificial Intelligence (AI) in Indian Agriculture*” by a resource person Dr. Shashikumar, Head, and Department of Agriculture Engineering, AIET. In the event, the resource person started the session stating from the basic concept of AI.



Introduction of Resource person to the audience. On podium Dr. Umeshchandra, Dr. Shashikumar (Resource person) and Dr. Satyanarayan

He said that, Artificial intelligence (AI) is based on the principle that human intelligence can be defined in a way that a machine can easily mimic it and execute tasks, from the simplest to those that are even more complex. The goals of artificial intelligence include learning, reasoning, and perception.





Resource person Dr. Shashikumar addressing the students

Few examples, vision-recognition systems on self-driving cars, in the recommendation engines that suggest products you might like based on what you bought in the past, speech, and language recognition of the Siri virtual assistant on the Apple iPhone. AI is making a huge impact in all domains of the industry. Every industry looking to automate certain jobs through the use of intelligent machinery. Agriculture and farming are one of the oldest and most important professions in the world. It plays an important role in the economic sector. Worldwide, agriculture is a \$5 trillion industry.

The global population is expected to reach more than nine billion by 2050 which will require an increase in agricultural production by 70% to fulfill the demand. As the world population is increasing due to which land water and resources becoming insufficient to continue the demand-supply chain. So, we need a smarter approach and become more efficient about how we farm and can be most productive

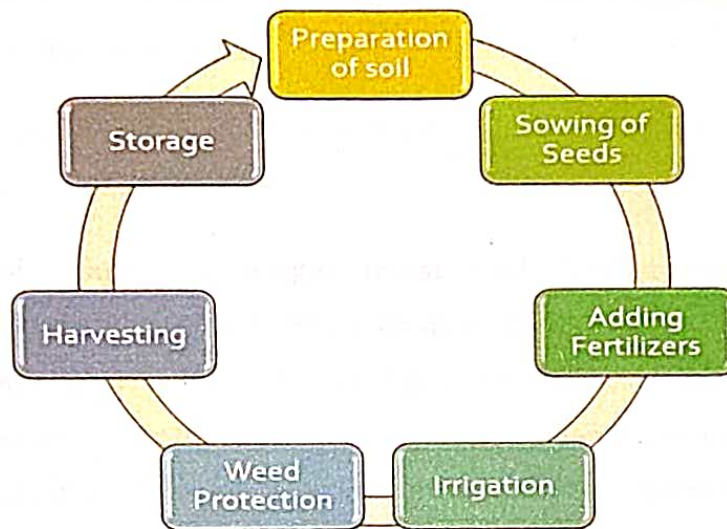
In the talk, challenges faced by farmers by using traditional methods of farming and how Artificial Intelligence is making a revolution in agriculture by replacing traditional methods by using more efficient methods and helping the world to become a better place was highlighted.

It was said that the Life cycle of Agriculture, can divide the Process of Agriculture into different parts as stated below with brief notes





Resource person Dr. Shashikumar addressing the students and student's participation in the event



**Preparation of soil:** It is the initial stage of farming where farmers prepare the soil for sowing seeds. This process involves breaking large soil clumps and remove debris, such as sticks, rocks, and roots. Also, add fertilizers and organic matter depend on the type of crop to create an ideal situation for crops.

**Sowing of seeds:** This stage requires taking care of the distance between two seeds, depth for planting seeds. At this stage climatic conditions such as temperature, humidity, and rainfall play an important role.

**Adding Fertilizers:** To maintain soil fertility is an important factor so the farmer can continue to grow nutritious crops and healthy crops. Farmers turn to fertilizers because these substances contain plant nutrients such as nitrogen, phosphorus, and potassium. Fertilizers are simply planted nutrients applied to agricultural fields to supplement the required elements found naturally in the soil. This stage also determines the quality of the crop



**Irrigation:** This stage helps to keep the soil moist and maintain humidity. Under watering or overwatering can hamper the growth of crops and if not done properly it can lead to damaged crops.

**Weed protection:** Weeds are unwanted plants that grow near crops or at the boundary of farms. Weed protection is important to factor as weed decreases yields, increases production cost, interfere with harvest, and lower crop quality.

**Storage:** This phase of the post-harvest system during which the products are kept in such a way as to guarantee food security other than during periods of agriculture. It also includes packing and transportation of crops.

Further resource person explained about the Challenges faced by farmers adopted traditional methods of farming

### **Challenges faced by farmers by using traditional methods of farming**

Listing down general challenges that exist in the agricultural domain.

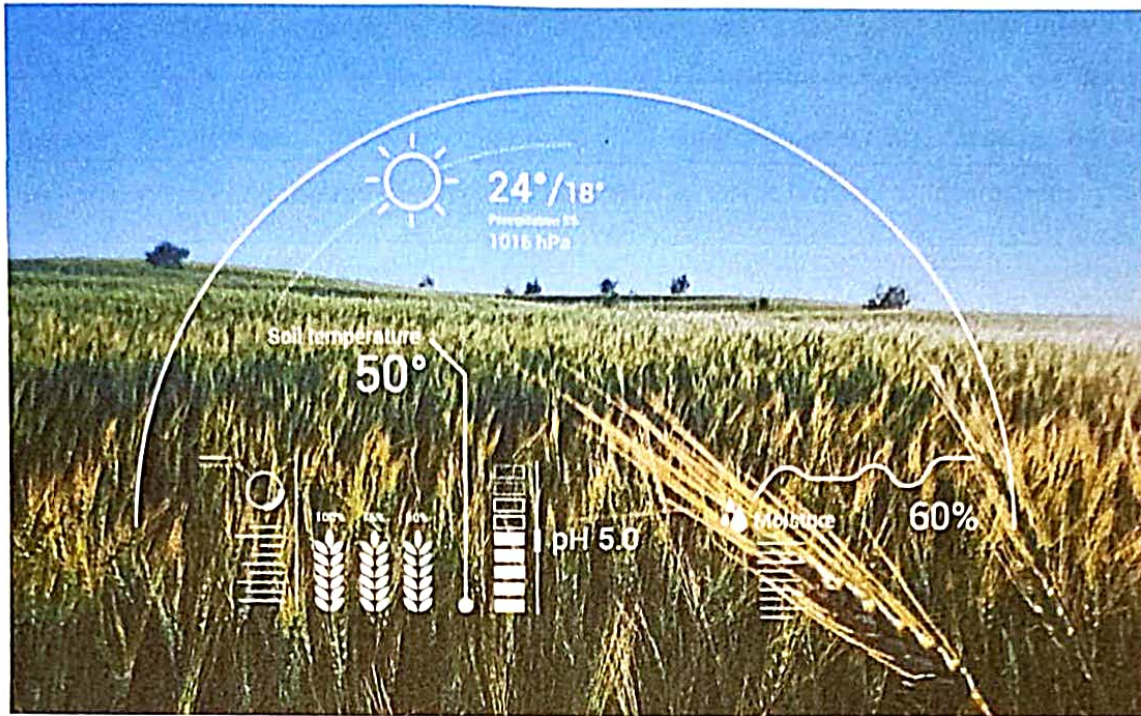
- In farming climatic factors such as rainfall, temperature and humidity play an important role in the agriculture lifecycle. Increasing deforestation and pollution result in climatic changes, so it's difficult for farmers to take decisions to prepare the soil, sow seeds, and harvest.
- Every crop requires specific nutrition in the soil. There are 3 main nutrients nitrogen(N), phosphorous(P) and potassium(K) required in soil. The deficiency of nutrients can lead to poor quality of crops.
- As we can see from the agriculture lifecycle that weed protection plays an important role. If not controlled it can lead to an increase in production cost and also it absorbs nutrients from the soil which can cause nutrition deficiency in the soil.

### **Applications of Artificial Intelligence in Agriculture**

The industry is turning to Artificial Intelligence technologies to help yield healthier crops, control pests, monitor soil, and growing conditions, organize data for farmers, help with the workload, and improve a wide range of agriculture-related tasks in the entire food supply chain.

**Use of weather forecasting:** With the change in climatic condition and increasing pollution it's difficult for farmers to determine the right time for sowing seed, with help of Artificial Intelligence farmers can analyze weather conditions by using weather forecasting which helps they plan the type of crop can be grown and when should seeds be sown.





**Analyzing crop health by drones:** Sky Squirrel Technologies has brought drone-based Ariel imaging solutions for monitoring crop health. In this technique, the drone captures data from fields and then data is transferred via a USB drive from the drone to a computer and analyzed by experts.

This company uses algorithms to analyze the captured images and provide a detailed report containing the current health of the farm. It helps the farmer to identify pests and bacteria helping farmers to timely use of pest control and other methods to take required action.

**Precision Farming and Predictive Analytics:** AI applications in agriculture have developed applications and tools which help farmers in accurate and controlled farming by providing them proper guidance to farmers about water management, crop rotation, timely harvesting, type of crop to be grown, optimum planting, pest attacks, nutrition management.

**Agricultural Robotics:** AI companies are developing robots that can easily perform multiple tasks in farming fields. This type of robot is trained to control weeds and harvest crops at a faster pace with higher volumes compared to humans.

These types of robots are trained to check the quality of crops and detect weed with picking and packing of crops at the same time. These robots are also capable to fight with challenges faced by agricultural force labor.

**AI-enabled system to detect pests:** Pests are one of the worst enemies of the farmers which damages crops.



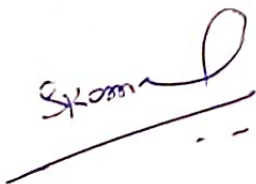
AI systems use satellite images and compare them with historical data using AI algorithms and detect that if any insect has landed and which type of insect has landed like the locust, grasshopper, etc. And send alerts to farmers to their smartphones so that farmers can take required precautions and use required pest control thus AI helps farmers to fight against pests.



Memento was given to Dr. Shashikumar (Resource person) by Dr. Umeshchandra,

### Conclusion

Artificial Intelligence in agriculture not only helping farmers to automate their farming but also shifts to precise cultivation for higher crop yield and better quality while using fewer resources. Companies involved in improving machine learning or Artificial Intelligence-based products or services like training data for agriculture, drone, and automated machine making will get technological advancement in the future will provide more useful applications to this sector helping the world deal with food production issues for the growing population. Finally, he concluded that, AI play a key role in future era to transforming the present agriculture farmers into a modern farmers and made big revolution in agriculture production.




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

Received the report copy: RDPB  
22/Aug/2023

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Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognised by Government of Karnataka

Accredited by NBA (CSE & ECE)

Ref No: AIET/ME/2022-23

Date: 24/07/2023

## APPRECIATION LETTER

This is to appreciate that Dr. SHASHIKUMAR, Associate Professor and Head, Department of Agriculture Engineering, Alva's Institute of Engineering and Technology, Moodubidire, had delivered an expert talk on "*Application of Artificial Intelligence in Indian Agriculture*" on 24.07.2023, at 11:50 AM organized by the "Innovation and We Club" of Alva's Institute of Engineering and Technology, Moodubidire.

The session was very informative and educative for all the faculties.

I express heartfelt thanks to Dr. Shashikumar for sharing the knowledge.

  
Innovation and We Club – Coordinator

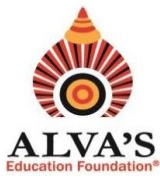
&

HOD – ME

H. O. D.

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





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Dakshina Kannada Karnataka, India.



### A Report

on

**“A Training Program on Ground Water Exploration”**



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

**INNOVATION AND WE CLUB**

Date: 08.07.2023

## **TRAINING PROGRAM ON GROUNDWATER EXPLORATION**

One day training program on groundwater exploration by using electrical resistivity meter has been conducted for 4<sup>th</sup> semester and 6<sup>th</sup> semester Civil Engineering students. The training is given by Dr H.G Umeshchandra Associate Professor, Department of Civil Engineering AIET Moodbidri.

### **Objective of the training program**

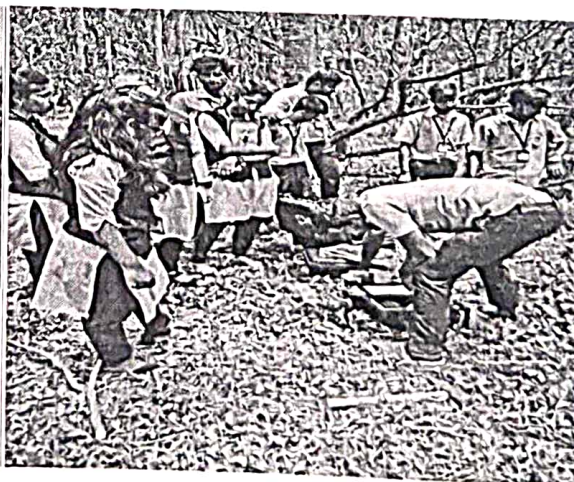
- augment the knowledge of students for the delineation of groundwater potential zones.
- to know the sub surface geology of the area.
- to know the structural deformations.
- to know the suitability of the site for the construction of civil Engineering structures such as dams, railway lines and bridges.

The hands on training is conducted in two locations viz., Virasat ground and Pharmacy college for 4<sup>th</sup> and 6<sup>th</sup> sem students of Civil Engineering stream.

Total number of Participants: 45



4<sup>th</sup> sem students



6<sup>th</sup> sem students





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Shobhavana Campus, Mijar, Moodabidri, D.K – 574225

Phone: 08258-262725, Fax: 08258-262726 Accredited by NAAC 'A+'

## INNOVATION AND WE CLUB

### Outcome of the training:

- The Participants are able to identify the potential groundwater zones.
- The Participants are able to identify the botanical indicators of groundwater.
- Able to identify the topographical features to locate the ideal location for groundwater prospecting.

Coordinator (CV)

Innovation and We Club

Chief Coordinator

Innovation and We Club

Principal

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Shobhavana Campus, Mijar – 574225, Moodbidri.

Dakshina Kannada Karnataka, India.



**A Report**

**on**

**“A Life Mission towards Protection of Environment”**



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

**INNOVATION AND WE CLUB**





# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka  
Ph: 08258-262725; Mob:722262724,7026262725,mail:principalaiet08@gmail.com

Date -07/07/23

To

IQAC Chairman

AIET, Mijar

Respected Sir

**Sub: Requesting for permission conduct a Technical talk**

We are happy to inform you that Department of Mechanical Engineering,  
Department of Civil Engineering , Department of Agriculture Engineering &  
Innovation & We club is planning to organize a technical talk on 07/07/2023.

The details are mentioned below, kindly request you do the needful.

## Resource person details

Name: **Dr. Ravi D.R.,**

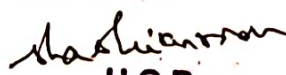
Designation: **Regional Officer, Karnataka State Pollution Control Board  
(KSPCB), Mangaluru**

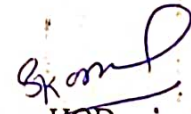
Title : **Life Mission towards Protection of Environment**


Venue: **MBA Seminar Hall**

Date/month/year: **07/07/2023**

Mode : **Offline**

  
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Dept. of Agricultural Engineering  
Alva's Institute of Engg. & Technology  
Mijar, Moodubidire - 574225

  
H.O.D.  
Dept. of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
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Dept. of Civil Engineering  
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## INNOVATION AND WE CLUB

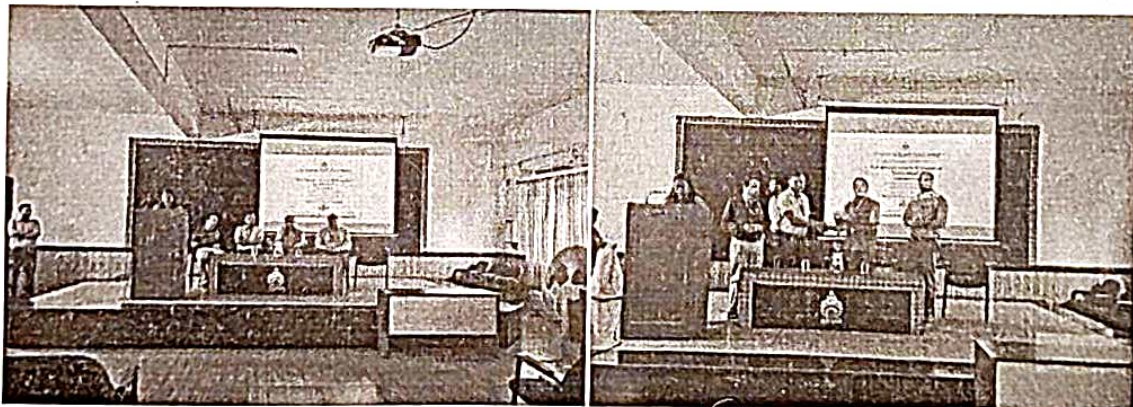


### TECHNICAL TALK REPORT

Date: 08.07.2023

Dr. Ravi D.R. Environmental Engineer Karnataka State Pollution Control Board Mangalore, has delivered a technical talk on "Life Mission towards Protection of Environment" on 08/07/2023.

He emphasized on the impact of human activities on our Eco system and natural resources such as water resources, mineral resources and Forest resources. The development in the civilization is leading for the threat to our environment. In order to overcome the impact on our environment some of the suggestions and remedial measures have been focused. Adopting sound environmental protection measures will ensure that "we can meet our present needs without compromising the ability of future generations to meet their own needs". Environmental protection requires the adaptation of indigenous skills and the learning of new ways to avoid increasing dependence on outside support. It illustrates the paradox that learning new methods and adapting old ways can be a key to securing the future of indigenous cultures. It is the efforts of communities under the guidance of their leaders and the input of dedicated and inspired individuals that have been most effective in using environmental protection measures to reduce the risk and consequences of disasters and to better coordinate relief activities. In Africa, there are many examples of successful projects that include community participation and illustrate the benefits of environmental protection and disaster risk reduction.



Coordinator (CV & ME)

Innovation and We Club

Chief Coordinator

Innovation and We Club

Principal

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**A Report  
on  
Expert talk on  
“Awareness on Travel Grant Schemes by Government for students to  
present research papers in Abroad”  
Paper Presentation Competition**



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

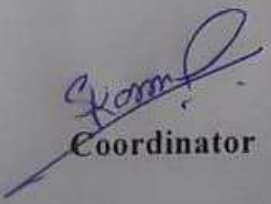
**INNOVATION AND WE CLUB**

**INNOVATION AND WE CLUB**

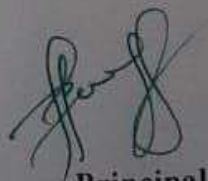
**CIRCULAR**

The faculty and students members of "Innovation and We club" are hereby informed to attend the expert talk "Awareness on Travel Grant Schemes by government for Engineering students to present papers in Abroad" by **Dr. Farhan Zameer**, Associate Professor & Chief Scientific Officer (CSO), Alva's Ayurveda Medical College & ATMA on 28 - 08- 2023 at 3:30 - 5:00 PM.

**Venue: Civil Engineering Seminar Hall**



Coordinator



Principal

PRINCIPAL

Alva's Institute of Engg. & Technol  
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28.08.2023

To,

**Dr. Farhan Zameer**

Associate Professor, Alva's Ayurveda Medical College

Chief Scientific Officer (CSO), ATMA Research Centre

Moodubidire – 574 227

Dear Sir,

Subject: - Invitation for the Expert talk on 29/08/2023.

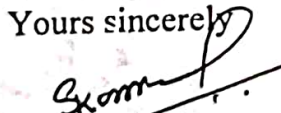
With reference to the above subject on the behalf of Innovation and We Club AIET, we are happy to invite you for an Expert talk on *"Awareness on Travel Grant Schemes by government for engineering students to present papers in Abroad"*. Kindly accept our invitation and do the needful.

**Venue:** Civil Engineering Seminar Hall

**Date:** 29-08-2023 (Tuesday) at 3.30pm

Thanking you,

Yours sincerely

  
Dr. Satyanarayan

Innovation and We Club coordinator

H. O. D.

Dept. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 227



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



**Expert Talk on**

**"Awareness on Travel Grant Schemes  
by government for Engineering  
students to present papers in Abroad"**

**by**

**Dr. Farhan Zameer,  
Associate Professor & Chief Scientific Officer,  
Alva's Ayurveda Medical college**

Date: 29-08-2023

Time: 3:30pm

Venue: Civil Engineering Seminar Hall

***ALL ARE CORDIALLY INVITED***



## Overview of the Resume

### Dr. Farhan Zameer

---

Dr. Farhan Zameer is presently serving as Associate Professor (PG Department of Ayurveda Pharmacology) and Chief Scientific Officer (ATMA R&D) at Alva's Ayurveda Medical College, Vidyagiri, Moodubidire. Dr. Zameer has served in capacities (both academic & administrative) in India and abroad. He has good experience of 14 years in teaching and 17 years in research. Dr. Zameer has completed his Post Doctoral Studies (Post-Doc) from the School of Medicine, Department of Pathology, Microbiology, and Immunology (PMI), Cancer Center, University of South Carolina, USA. He is conferred with Sir C.V. Raman Fellowship from the University Grants Commission (UGC), New Delhi, Govt. of India to pursue research in USA with a specialization in Biochemistry (Bacterial thiolomics), Epigenetics, anti-inflammation, Microbiome, and neurodegenerative diseases (multiple sclerosis). Dr. Zameer has completed his Ph.D. from the University of Mysore in Biochemistry with ICMR-BMBF (Indo-German-Israel) fellowships to study thiolomics, bacterial signaling, and gene expression studies. He has a Masters' Degree from Mangalore University with 1<sup>st</sup> Rank, a Gold Medal in Biochemistry, and Bachelors' Degree from Kuvempu University (3<sup>rd</sup> Rank – Bronze Medal). Further, he has qualified Indian Council of Medical Research (ICMR) & UGC-KSET exams. He has also completed Master Facilitator Certification in Leadership & Human Resource Development (MFLHRD) from College for Leadership and Human Resource Development (CLHRD), Mangalore, and PG Diploma in Information Technology from Manipal.

Currently, his lab PathoGutOmics has been well-funded from public and private funding agencies and his area of research interest is in the field of Biochemistry of thiol gene expression, protein/enzyme studies, regulation of metabolic pathways with special reference to cellular oxidative stress, biofilms, and cellular signaling pathways, including bioinformatics approaches and epigenetics (miRNA & histone) mediated mechanisms in inflammatory fly and mouse models (T-cells mediated response) and their related microbiome analyses (*In silico*, *In vitro*, *In situ* and *In vivo* models). He is also part of various collaborative research projects with scientists of eminence in organizations of repute. He is a reviewer for several National and International publishers and Dr. Zameer is a Life member of various scientific societies – SLB (USA), EU-BMBF (Germany), Chinese Chemical Society (China), ISCA, SBC, AMI, SBTI, and NEN (India). Four students have completed Ph.D. program in Biochemistry under his mentorship and Three students are pursuing Ph.D. Dr. Zameer has published 110 research papers and 5 patents (Canadian and Indian patents). He is well recognized for the structurization of new proteins called Claudins in Drosophila, Humans their role in neurodegenerative disorders deposited in Swiss Institute of Bioinformatics. He is applauded for his research contribution which is evident from the various young scientist awards, honors, and citations received by him.



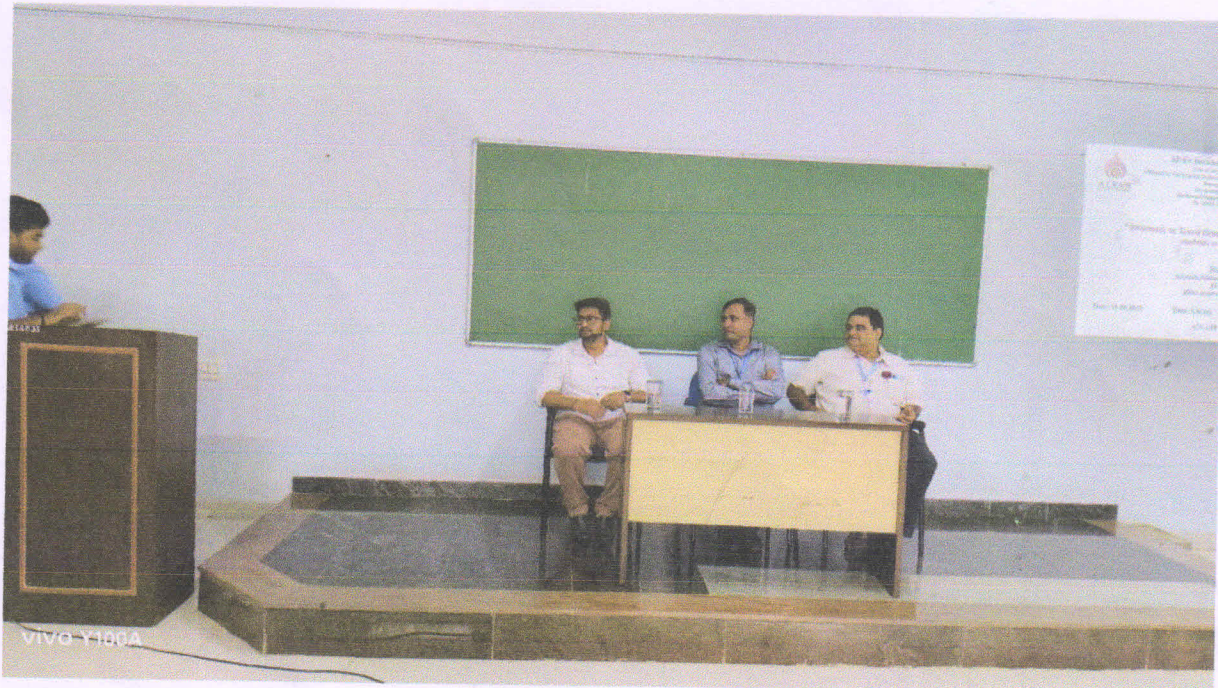
**Innovation & We Club**

**Report on Expert talk on**

**“Awareness on Travel Grant Schemes by Government for students to  
present research papers in Abroad”**

On the behalf of Innovation and We Club, AIET, an expert talk on “*Awareness on Travel Grant Schemes by Government for students to present research papers in Abroad*” was held on 29-08-2023 at 3.30 pm in Civil Engineering seminar hall was organized.

The talk was delivered by **Dr. Farhan Zameer**, Associate Professor, Alva's Ayurveda Medical College, Chief Scientific Officer (CSO), ATMA Research Centre, Vidaygiri, Moodubidire.



Dr. Farhan Zameer on stage with Prof. Durgaprasad Baliga, Dean–Students Affairs and Dr. Satyanarayan, HoD Mechanical Engg/Club coordinator during his introduction to audience

*Skand*

*[Signature]*  
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# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

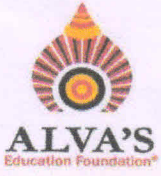
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Dr. Farhan Zameer was offered a flower to welcome by Dr. Satyanarayan and Prof. Durgaprasad Baliga, Dean was by Dr. G B Vaggar, Dept. of ME

The purpose of the present talk was to give the guidance or awareness on available Travel Grant Schemes for Engineering Students from Governments to provide travel assistance and registration fees to Bachelor's and Master's Level engineering students for presenting a research paper Physically or Online in an international scientific event (conference / seminar /symposium/workshop/ exhibition etc.) in order to encourage engineering students to engage in research.

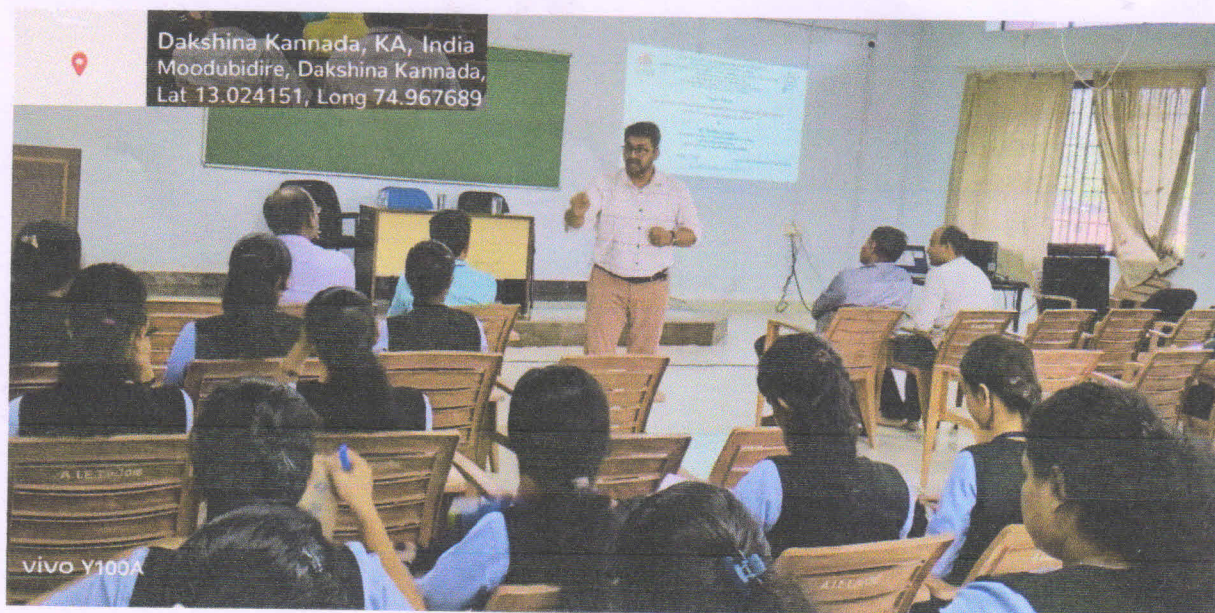


Dr. Farhan Zameer during his speech



Speaker **Dr. Farhan Zameer** said that the international stage is vital in determining future career directions for students/young researchers or scientists, with conferences and meetings opening up collaborations, networking and presenting opportunities. Dr. Farhan Zameer said that for enhancing the quality of engineering education in the country and to inculcate a culture for research amongst the students a Travel Grant Scheme is introduced to provide financial support to the engineering students to present papers abroad by the Government of India. Also to support the future generations of researchers/scientists, government has launched Conference Travel Grants. These offer financial support to early career researchers wishing to present their research work at scientific meetings that fit within specific scope.

Speaker also said that there are some international agencies support finance to present work at international meetings or conferences. It was highlighted that over the past 5 years, to build a truly global scientific community, these grants have no geographic, citizenship or residency restrictions for applicants and there are no limits on the destination country. In which, the grantees can submit their reports after they have returned from their conferences by providing important insight into what students/junior scientists value most.



Dr. Farhan Zameer during explanation Travel grant schemes

Speaker highlighted about the travel schemes available for Engineering and Science graduated students. He said that one of the best scheme for engineering students from the government of





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India is INAE Travel Grant Scheme for Engineering Students. He said that an "INAE Travel Grant Scheme" for Engineering Students from IITs/ NITs/ Govt. approved Engineering Colleges other than by AICTE has been instituted to present papers abroad for enhancing the quality of engineering education in the country. It was said that the proposal(s) received duly completed in all respects will be evaluated by subject experts for which the scanned copy of completed application form should be sent to INAE office through email at [inaehq@inae.in](mailto:inaehq@inae.in). It was stressed that hard copies of application forms are not to be sent.

During the talk an eligibility to apply for travel grant was highlighted indicating that (a) Pre-final and final year students of B.E./B.Tech or Integrated M. Tech and first and second year students of M.E./M.Tech from IITs/NITs/ Govt. approved Engineering Colleges/ Institutions other than by AICTE /Other Universities are eligible under the scheme. (b) Students with minimum 8 CGPA or equivalent percentage and above are eligible to apply under this scheme. (c) The student should have a letter of acceptance for presenting a research paper which has been accepted in a conference/seminar/symposium /workshop/exhibition abroad. (d) A student is eligible only once during course of his/her study for financial support under the subject scheme. Later Procedure to Apply for the scheme and details about the submission of the claim and Release of grant by the government was discussed. During conclusion it was suggested to visit the <https://www.aicte-india.org/schemes/students-development-schemes> web for further updates.



Memento presentation to Dr. Farhan Zameer by Dr. H Ajith Hebbar, Head, Dept. of Civil Engineering



Ref No: AIET/I & We/2022-23

Date: 29-08-2023

## APPRECIATION LETTER

This is to appreciate that Dr. Farhan Zameer, Associate Professor, AYMC, Chief Scientific Officer – ATMA, Alva's Ayurveda Medical College, Moodbidri had visited the institution to give Expert Talk on "Awareness on Travel Grant Schemes by government for Engineering students to present papers in Abroad" on 29-08-2023 August 2023 organised by the Innovation and We Club Alva's Institute of Engineering and Technology.

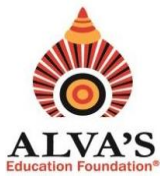
I express heartfelt thanks to Dr. Farhan Zameer for sharing the knowledge and providing valuable inputs to students.



Principal  
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Dakshina Kannada Karnataka, India.



### A Report

on

### Expert Talk

on

**““Green Hydrogen Energy: Innovations, Applications and Patent Perspectives”**



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

**INNOVATION AND WE CLUB**

Date:-05-09-2023

From,  
**Dr. Jayarama A**, Assoc. Professor, Dept of Physics  
**Dr. Satyanarayan**, Professor and Head, Dept. of Mechanical Engineering

To,  
**The Principal**  
Alva's Institute of Engineering and Technology (AIET), Mijar

Respected Sir,

**Sub:-** Request for the permission to conduct Expert Talks on Intellectual Property Rights (IPR) on 9<sup>th</sup> and 16<sup>th</sup> September, 2023 under KSCST sanctioned funds

With reference to the above subject we are glad to inform you that IPR Cell and Innovation and We Club are planned to organize an Expert Talks on Intellectual Property Rights (IPR) for the benefits of students and faculty under KSCST sanctioned funds of Rs. 50,000

The details of Resource person and the title of the talk along with their expected budget for the above cited expert talks are as follows

Date	Purpose	Expert member
09-09-2023	"Green Hydrogen Energy"	<b>Dr. M G Anand Kumar</b> Joint Director and Head Training Division Central Power Research Institute (CPRI) Bengaluru
16-9-2023	"Scope of IPR in Engineering Research"	<b>Dr K T Varughese</b> Intellectual Property Counsel & Patent Agent Exam Trainer and Founder and Director, ConClavit, Bengaluru
Expenses	Honorarium amount	Rs. 2500 × 2 = 5,000
	Travelling allowance	Rs. 2600 × 2 = 5,200
	Rose, Lunch & Tea	Rs. 500 × 2 = 1,000
	Total Rs.	11,200

Hence, we request a cash advance of **Rs. 11,200 = 00** (Eleven thousand two hundred rupees only). Kindly do the needful.

We also request you to provide transportation facility and accommodation for the resource person at the institute cottage.

Thanking you,  
Yours truly,

*[Signature]*

*Anandarama*  
*Head to campus*  
*phz*  
*coordination*  
*[Signature]*

Page 1 of 2

**PRINCIPAL**  
Alva's Institute of Engg. & Technology,  
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Alva's Institute of Engineering and Technology  
Shobhavana Campus, Mijar, Moodbidri – 574 225, Mangalore DK  
Karnataka, INDIA.



08/09/2023

**CIRCULAR**

IPR Cell and Innovation and We Club are organizing the expert talk on  
“*Green Hydrogen Energy: Innovations, Applications and Patent Perspectives*”  
by Dr. M G Ananda Kumar, Joint Director and Head Training Division Central  
Power Research Institute (CPRI), Bengaluru 09-09-2023 at 9:30 AM.

All the Faculties and Students Members are hereby informed to attend the expert  
talk.  
(Final year)

**Venue : MBA Seminar Hall**

**Principal**

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

cc: All Deans / HODs

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ALVA'S  
Education Foundation®

Date: 8-9-2023

To

**Dr. M G Ananda Kumar**

Joint Director and Head Training Division

Central Power Research Institute (CPRI) Bengaluru

Dear Sir,

**Sub:** Invitation for a *technical talk* and discussion on research collaboration

I am pleased to have the honor of inviting you for a **technical talk** organized by the Intellectual Property Rights (IPR) cell and Innovation and We Club.

We have arranged your lecture at our institute on **9<sup>th</sup> September 2023 at 11.00am.**

Students and Faculty from all the branches will be attending the session.

A research collaboration interactive session will be arranged with Dean – Research and Heads of the department after the talk.

Kindly accept the invitation.

Thanking You,

With warm regards,

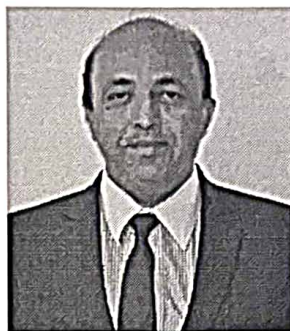


**Dr. Peter Fernandes**  
PRINCIPAL

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



## RESUME OF Dr. M. G. ANANDAKUMAR



Dr. M. G. Anandakumar joined Central Power Research Institute, Bengaluru during the year 1989 as Engineering Assistant and is presently working as Joint Director and Head of Business Development & Capacity Building Division (BD&CBD) of CPRI. While in service, Dr. Anandakumar obtained M. Tech and PhD Degrees in Materials Engineering from the Department of Metallurgy & Materials Engineering from National Institute of Technology Karnataka, Surathkal respectively. He was also awarded Fellow of the Indian Institute of Ceramics, Kolkata during 2022.

He worked in the Materials Technology Division of CPRI for 26 years in the areas of Fuel analysis and characterization, Corrosion Engineering involving corrosion mapping and corrosion testing of materials, Non- destructive evaluation of components, Degradation studies on metallic, polymer and composites materials through advanced characterization techniques including weather simulation studies etc, before taking the present assignment of Head of BD&CBD Division in CPRI during 2015.

Dr. Anandakumar's areas of interest are development of ceramic and metal matrix composites, development of value added product development from industrial solid wastes, corrosion engineering, failure analysis and remaining life assessment of high temperature thermal power plant boiler components, Renewable Energy Systems, Green Hydrogen etc,

He has worked on development of value added product development from industrial solid waste in which CPRI has obtained 5 patents. He has also filed applications for 2 more provisional patents which are in the process.

He is Life Member of Indian Ceramic Society- Karnataka chapter, Member of Indian Institute of Ceramics, Kolkata, Life Member of the Society of Analytical Scientists- Bangalore Chapter, Life Member of Indian Society of Systems for Science and Engineering, Bangalore chapter and Member of the Metallurgical Engineers Association-Department of MME, NITK Surathkal. He was also involved in conducting many national and international conferences, technical lectures, workshops, and seminars at CPRI for the benefit of utilities, academics and practicing engineers.

He has guided many B. Tech and M. Tech student for the project work. He has around 42 technical papers to his credit presented both in journal as well as in national and international conferences. He has given many lectures and technical presentations at various engineering colleges. Dr. Anandakumar is also reviewer for Journal-Materials Research Innovations, Elsevier Journal of Composite Materials B. Journal of Composite Materials and for many national and international conference.





# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)  
Affiliated to Visvesvaraya Technological University, Belagavi & Approved by  
AICTE, New Delhi. Recognized by Government of Karnataka.

**A+, Accredited by NAAC & NBA (ECE & CSE)**

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## IP Cell and Innovation & We Club

### Report on Expert talk on

### "Green Hydrogen Energy: Innovations, Applications and Patent Perspectives"

#### Objectives

- 1) Educational Objective: The primary objective of this expert talk is to educate participants about the emerging field of Green Hydrogen energy. It aims to provide a comprehensive understanding of the properties, production methods, and applications of hydrogen, with a particular focus on the environmentally sustainable approach of Green Hydrogen. By the end of the talk, attendees should have a solid grasp of the significance of Green Hydrogen in the context of renewable energy, its role in addressing environmental challenges, and its potential to revolutionize various industries.
- 2) Awareness and Innovation Objective: Another key objective is to raise awareness about the challenges and advancements in the Green Hydrogen sector. The talk aims to inspire attendees to explore innovative solutions and opportunities in the field, especially concerning patent perspectives. It seeks to encourage forward-thinking individuals to engage in research, development, and entrepreneurship related to Green Hydrogen technologies. Ultimately, this objective aims to contribute to the growth and development of the Green Hydrogen industry by fostering a community of informed and motivated individuals.

#### Report:

**Expert Talk:** "Green Hydrogen Energy: Innovations, Applications, and Patent Perspectives"

**Speaker:** Dr. M G Ananda Kumar, Joint Director and Head of Business Development & Capacity Building Division at the Central Power Research Institute (CPRI) in Bengaluru

**Date, Time and Venue :** 09-09-2023 (Saturday), 9:30am MBA Seminar Hall

Alva's Institute of Engineering and Technology, affiliated with Visvesvaraya Technological University and approved by AICTE, hosted an enlightening expert talk on "Green Hydrogen Energy: Innovations, Applications, and Patent Perspectives." Dr. M G Ananda Kumar, Joint Director and Head of Business Development & Capacity Building Division at the Central Power Research Institute (CPRI) in Bengaluru, served as the distinguished resource person for this event.

Dr. Ananda Kumar's illustrious career at CPRI began in 1989 as an Engineering Assistant, and he has since risen to the position of Joint Director. His academic journey led him to acquire M. Tech and PhD degrees in Materials Engineering from the National Institute of Technology



Karnataka, Surathkal. In recognition of his contributions, he was awarded Fellowship of the Indian Institute of Ceramics in 2022.

During his tenure in CPRI's Materials Technology Division, spanning 26 years, Dr. Ananda Kumar focused on diverse areas such as fuel analysis, corrosion engineering, non-destructive evaluation, and degradation studies. His interests also encompassed the development of ceramic and metal matrix composites, value-added product development from industrial solid waste, corrosion engineering, failure analysis, and remaining life assessment of high-temperature thermal power plant boiler components, Renewable Energy Systems, and Green Hydrogen.

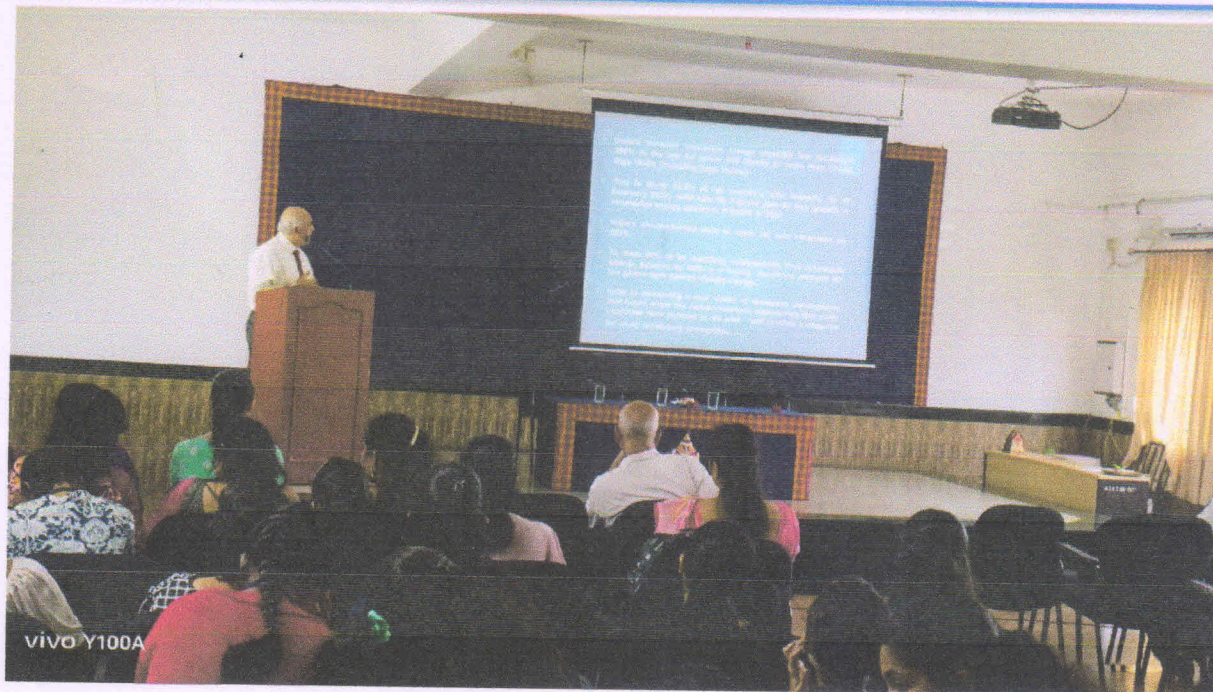
Dr. Ananda Kumar has notably been involved in obtaining five patents related to the development of value-added products from industrial solid waste, with two provisional patents currently in process. He is a respected member of various professional organizations, including the Indian Ceramic Society, the Indian Institute of Ceramics, the Society of Analytical Scientists, and the Indian Society of Systems for Science and Engineering.

His academic contributions extend to guiding B. Tech and M. Tech students in their project work and publishing around 42 technical papers in journals and national and international conferences. Dr. Ananda Kumar also actively participates in conducting national and international conferences, technical lectures, workshops, and seminars, benefiting utilities, academics, and practicing engineers alike.



Dr. Anand Kumar M G on stage with Dr. Richard Pinto during his introduction





Dr. Anand Kumar M G during his speech



Dr. Anand Kumar M G explanation on hydrogen energy

In his engaging presentation, Dr. Ananda Kumar covered a wide array of topics related to Green Hydrogen. He began by introducing the audience to hydrogen's properties and applications, emphasizing its flammability. Subsequently, he delved into various aspects of hydrogen



production, with a particular focus on Green Hydrogen, exploring the challenges and significance of this eco-friendly energy source.



Audience during Dr. Anand Kumar M G speech



Dr. Anand Kumar M G during his speech

Dr. Ananda Kumar also highlighted the importance of hydrogen-compatible materials and processes and elucidated the complexities of hydrogen storage and transportation. His discussion extended to Green Hydrogen production from solar energy and India's ambitious National Green Hydrogen Mission.

Green Hydrogen's significance was emphasized throughout the presentation, given its potential as a clean and renewable energy source capable of reducing carbon emissions. Dr. Ananda Kumar shed light on the mission's objectives, aiming for 5 MMT green hydrogen production capacity per year, 125 GW renewable energy capacity addition, over Rs. 8 lakh crore investments, and job creation.



India's aspiration to become a leading producer and supplier of Green Hydrogen on the global stage was another key point in Dr. Ananda Kumar's presentation. He also touched upon the collaboration with other nations and projected Green Hydrogen's impact on a global scale.

In conclusion, Dr. Ananda Kumar's expert talk left the audience with a profound understanding of Green Hydrogen's potential benefits for India, including environmental advantages, energy security, and economic growth. The National Green Hydrogen Mission represents a significant step towards achieving these goals. While challenges exist, ongoing advancements in cost reduction, safety measures, and materials research are expected to propel the adoption of Green Hydrogen and its transformative impact on the energy sector.



Memento presentation to Dr. Anand Kumar M G by Dr. Richard Pinto

The event was graced Dr Richard Pinto, Dean Research and Dr. Satyanarayan, Head of Mechanical Engineering, and masterfully conducted by Dr. Sakshi Kamath, Dept. of Chemistry as the master of ceremonies. Chief Guest was introduced by Mr. Pramod V B, Asst. Professor, Dept. of Mechanical Engineering. 20 faculty and 150 students were benefitted from this workshop. The program ended at 11.00AM with a vote of thanks.

### Outcome of the event

The event on "Green Hydrogen Energy: Innovations, Applications, and Patent Perspectives" featuring Dr. M G Ananda Kumar as the resource person proved to be an enlightening and thought-provoking experience. Attendees gained a comprehensive understanding of Green Hydrogen's vast potential, its pivotal role in India's pursuit of clean and renewable energy, and the challenges that lie ahead. Dr. Ananda Kumar's insights into the significance of hydrogen-compatible materials, transportation complexities, and India's National Green Hydrogen Mission left the audience inspired and informed. The event not only highlighted the importance of Green Hydrogen but also showcased India's determination to become a global leader in its production and utilization, contributing to a sustainable and eco-friendly energy landscape.

*Sakshi*



**Special talk** on *"Enabling Sustainable startups with a sustainability mindset to have net positive impact on Profits, People and Planet Earth"*

**Speaker:** Miss. Sharanya Anand : Operations Analyst - People and Marketing at Simsy Ventures, Bengaluru

**Date, Time and Venue :** 09-09-2023 (Saturday), 11:45am MBA Seminar Hall



Talk by **Miss. Sharanya Anand** : Operations Analyst - People and Marketing at Simsy Ventures, Bengaluru

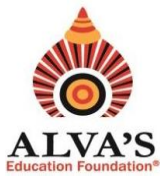


**Memento to Miss. Sharanya Anand by Prof. Ansha, Dept. of ECE, AIET**

*Skomal* 6

*[Signature]*

*[Signature]* **PRINCIPAL**  
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## ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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Dakshina Kannada Karnataka, India.



### “LIST OF PROJECTS COMPLETED AS A PART OF INNOVATION AND WE CLUB”



## ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

### INNOVATION AND WE CLUB



# ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

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

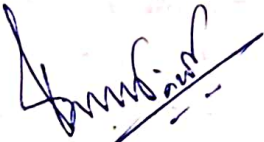


ACADEMIC YEAR 2022–2023

## A project Report on The Design and Fabrication of Semi-Automatic Parisheka Yantra

### INNOVATION & WE CLUB



  
Guide

Prof. Kiran CH

  
HoD

Dr. Satyanarayan

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



**DEPARTMENT OF CSE  
INNOVATION AND WE CLUB**

**PROGRESS REPORT**

**Title of Project: Human body temperature variations monitor system in a large group**

**Under the Guidance : Dr. Madhusudhan S**

This proposed work is, creating a model to recognize temperature variations among large group of people in a company or school/colleges. This facilitates us to identify COVID symptoms in the group. Each employee or student wear a temperature sensor devices and this device transmit his/her body temperature to central system. In central system receives body temperature values from all devices of an organization and compute variations which is not normal condition. If abnormal variation in temperature value occurs identify the location of victim person.

Students have done literature review on the topic, and designed model for this proposed system. Implementation is completed and it is in testing phase.

NAMES OF A TEAM	USN	CONTACT EMAIL ID
Tejaswini G	4AL20CS161	Tejaswini82g@gmail.com
Sakshi T U	4AL20CS122	4AL20CS122@gmail.com
Sanjana M S	4AL20CS124	4AL20CS124@gmail.com
Spoorthi H S	4AL20CS151	Spoorthihs131201@gmail.com

Faculty coordinator (Dept.)  
Innovation and We club

HOD

Dept. of CSE

Dept. Of Computer Science & Engineering  
Alva's Institute of Engg. & Technology  
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## INNOVATION AND WE CLUB

**Project Title:** Folding Bed for Paralysis Patients.

**Under the Guidance:** Mr. Sharath Chandrababu

Project team:	USN	BRANCH, SEMESTER
Chiranth HS	4AL20ME006	ME-6th
Manoj kumar k	4AL20ME012	ME-6th
Pavan Kumar	4AL20ME018	ME-6th
Sandeep J	4AL21ME404	ME-6th
Jenny Fernandes	4AL20ME011	ME-6th
Sachin R	4AL21ME400	ME-6th
Navyashree	4AL20ME016	ME-6th
Pallavi P	4AL20ME017	ME-6th

*Q. A. C.*  
*Amal C.*

Faculty Coordinator(Mechanical)

Innovation & we club

*Sharath*  
HOD

Dept. of Mechanical Engineering

H. O. D.

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

**Title of Project: GROUNDWATER EXPLORATION BY ELECTRICAL RESISTIVITY METHOD AT MOODBIDRI**

**Under the Guidance: Dr. HG Umeshchandra**

➤ Students involved in Project: -

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION
BINDYA G S	4AL21CV002	CV - 3 <sup>rd</sup>
NIRMITHA A S	4AL21CV005	CV - 3 <sup>rd</sup>
PRASHANTH S	4AL21CV007	CV- 3 <sup>rd</sup>
PRUTHVI M	4AL21CV008	CV- 3 <sup>rd</sup>
VAFA	4AL21CV014	CV- 3 <sup>rd</sup>



Faculty coordinator (Civil.)

Innovation and We club



HOD

Dept. of Civil Engineering

**H.O.D.**

**Dept. of Civil Engineering**  
**Alva's Institute of Engg. & Technology**  
Mijar, Moodbidri - 574 225



**Title of Project:**  
**WATER LEVEL SENSOR**

**Under the Guidance: Dr VEERPRATHAP V**

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Gowtham M A	4AL21EC029	ECE 4 <sup>th</sup> A	4al21ec029@gmail.com	1.1.2023	30.6.2023
Lekhan T	4AL21EC044	ECE 4 <sup>th</sup> A	4al21ec044@gmail.com		

**ABSTRACT**

Water level sensors play a crucial role in various industries, environmental monitoring, and domestic applications. This abstract presents a comprehensive overview of water level sensors, their functions, and underlying technologies. The abstract explores the diverse detection methods employed, including float switches, pressure sensors, ultrasonic sensors, capacitive sensors, and optical sensors. It highlights the significance of accurate water level measurement and its impact on controlling, monitoring, and automating water management systems. The abstract also discusses the output signals generated by water level sensors, such as analog voltage, digital signals, or communication protocols like Modbus or I2C. Additionally, it emphasizes the importance of sensor placement within tanks or containers for precise readings. Furthermore, it underscores the integration of water level sensors with monitoring and control systems, enabling real-time data display, alarm activation, and automated actions based on water level information. The abstract concludes by emphasizing that water level sensors' implementation and features vary based on specific application requirements, offering different levels of accuracy, reliability, and compatibility. Understanding water level sensors' fundamentals is essential for optimizing water resource management and ensuring efficient operation across various sectors.

*Veerprathap V*

Faculty coordinator (Dept.)  
Innovation and We club

*Siddesh*

HOD  
Dept. of ECE  
M O D,

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

**Title of Project:** Centralized Blood Bank Database Using GPS Mobile System


**Under the Guidance:** Prof. Jayanath kumar A Rathod and Prof. Pradeep V

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Anson Sarosh Dsouza	4AL20IS006	5 <sup>th</sup> A	4al20is006@gmail.com	1.1.2023	30.6.2023
Deekshith Shetty	4AL20IS014	5 <sup>th</sup> A	4al20is014@gmail.com		

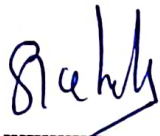
➤ Students involved in Project: -

**ABSTRACT**

**Background:** The Blood Donation Agent is to create an e-Information about the donor and organization that are related to donating the blood. Through this application any person who is interested in donating the blood can register himself, in the same way if any organization wants to register itself with this site that can also register. Moreover if any general consumer wants to make request blood online, he can also take the help of this site. Admin is the main authority who can do addition, deletion, and modification if required.



Faculty coordinator (Dept.)  
Innovation and We club



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Dept. Of Information Science & Engineering  
Alva's Institute of Engg. & Technology  
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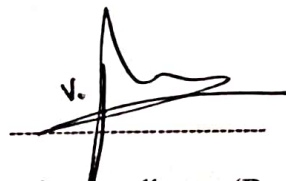
**Title of Project:**  
**FARMER-CONSUMER MANAGEMENT SYSTEM**

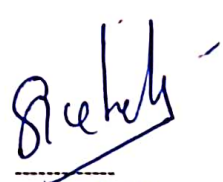
**Under the Guidance:** Prof. Jayanath kumar A Rathod and Prof. Pradeep V

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Abhishek R Bhat	4AL20IS001	ISE 5 <sup>th</sup> A	bhat61703@gmail.com	1.1.2023	30.6.2023
Sujan P S	4AL20IS051	ISE 5 <sup>th</sup> A	4al20is051@gmail.com		

**ABSTRACT**

The Farmer-Consumer Management System is a software platform designed to bridge the gap between farmers and consumers by providing a direct and transparent connection between the two. The system is intended to help farmers increase their profits by connecting them directly with consumers and eliminating the need for intermediaries. The system includes several key features, such as a web-based marketplace where farmers can list and sell their products, and a rating and review system for both farmers and consumers, which can help to build trust and establish a reputation within the community.

  
Faculty coordinator (Dept.)  
Innovation and We club

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

Title of Project:  
**SMART DUSTBIN**

Under the Guidance: Dr. Veerapratheep V

PROJECT TEAM	USN	BRANCH, SEMESTER AND SECTION	CONTACT EMAIL ID	DATE OF INITIATION	DEAD LINE
Lekhan T	4AL21EC044	ECE 4 <sup>th</sup> A	4al21ec044@gmail.com	1.1.2023	30.6.2023
Gowtham MA	4AL21EC029	ECE 4 <sup>th</sup> A	4al21ec029@gmail.com		

**ABSTRACT**

The Smart Dustbin project is an innovative solution that utilizes Arduino and ultrasonic sensor technology to automate waste disposal. By detecting the fill level of the dustbin, the system triggers an automated mechanism for waste collection. This project not only streamlines waste management processes but also promotes cleanliness and hygiene while optimizing resource allocation. It showcases the practical application of Arduino and ultrasonic sensors while contributing to sustainable waste management practices.

Veerapratheep V

Faculty coordinator (Dept.)  
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Siddesh

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