

Aarupadai Veedu Institute of Technology, (AVIT) a constituent college of Vinayaka Mission's Research Foundation (Deemed to be University) VMRF (DU) Salem and Bosch Limited, Bangalore

Aarupadai Veedu Institute of Technology, (AVIT) a constituent college of Vinayaka Mission's Research Foundation (Deemed to be University) VMRF(DU) Salem and Bosch Limited, Bangalore have signed Memorandum of Understanding (MoU) Joint Certification Program. The signing ceremony, held on 04th July 20224.

Proposed Activities under the Agreement:

- The efficient combination of hardware, Teach-ware and courseware which is offered by BOSCH as industry oriented training in the field of Automotive Technology.
- Technology support, supply concept kits for different technologies with non-transferable, limited usage licensed copies of teach ware and courseware, train the faculty as "TRAIN THE TRAINER" (TTT) in its training centre in Bangalore as necessary, provide training methodologies.
- VMRF(DU), in the Premises and with Bosch approved courses, will impart training to the eligible & selected undergraduate, post-graduate, polytechnic, vocational school students to meet industry requirements, bridging the industry academic gap and enhancing the competency levels of students for better employability. VMRF(DU) will also provide industrial training to nearby industrial personnel, and wherein the successful students will be awarded a joint certificate of BOSCH and VMRF(DU).
- Undertakes to allow Bosch the unrestricted right to use the Joint Training Program Premises
 to directly impart training for Bosch dealer network, OEMs, OECDs, STUs on cost sharing
 basis. It is being clarified that for Bosch beneficiaries, Bosch will provide its own certificates
 on Bosch specified format.

MOU ACTIVITIES





CIRCULAR

Ref No: 2023-2024/Odd/Mech/ISR 03 Date: 08.09.2023

The Department of Mechanical Engineering is organising a Workshop on "Latest Troubleshooting Technologies Using Bosch State of the Art Equipments" on 11.09.2023. The invitation is herewith attached.



HOD

Circulated to:	1. All the faculty members	
	2. Dr.M.Saravana Kumar,Mr.A.Imthiyas	
Copy to	1. Principal Office	
	2. Department Notice Board	





Institutional Social Responsibility Cell

Cordially invites you all for

WORKSHOP ON LATEST TROUBLESHOOTING TECHNOLOGIES USING BOSCH STATE OF THE ART EQUIPMENTS

DATE & TIME: 11.09.2023 @ 10.00 A.M.

Resource Person

Dr.M.SARAVANA KUMAR ASST. PROF., MECHANICAL ENGINEERING, AVIT

Mr.A.IMTHIYAS
ASST. PROF., MECHANICAL ENGINEERING, AVIT

Welcome Address

Dr.M.PRABHAHAR HOD-MECH,AVIT

Coordinator
Dr.S.SANGEETHA, Assoc. Professor,
MECH/AVIT









Cordially Invites you all for the

Skill Development Workshop on

Latest Trouble Shooting Technologies Using Bosch State-of-the-Art Equipments



Resource Persons

Dr. M. Saravana Kumar Assistant Professor (Gr-II) Mechanical Engineering, AVIT



Mr. A. Imthiyas Assistant Professor (Gr-II) Mechanical Engineering, AVIT





of Smart Sustainable Villages





Organized by: Department of Mechanical Engineering in association with ISR Cell, AVIT







Ref: 23-24/Odd /Mech/ISR 03 Date: 12.09.2023

From

Dr.S.Sangeetha Professor Mechanical Engineering Aarupadai Veedu Institute of Technology Paiyanoor-603 104

To

The Principal, Aarupadai Veedu Institute of Technology Paiyanoor-603 104

Respected Sir,

Sub: Submission of Mechanical Engineering Department Event-Report- Reg.

The Department of Mechanical Engineering has organized a Workshop on "Latest Troubleshooting Technologies Using Bosch State of the Art Equipments" on 11.09.2023. The report of the programme is herewith attached for your kind perusal.

Thanking you,

With regards,

Event Coordinator



HOD







DEPARTMENT OF MECHANICAL ENGINEERING ISR Activity Report

Name of the Activity:

Latest Troubleshooting Technologies Using Bosch State of the Art Equipment's

Date of Activity:

11-09-2023

Background of the Activity:

Avit has adopted 5 villages under the government's Unnat Bharat Abhiyan Scheme. In these 5 villages, we are consistently focused on providing essential resources and support to meet the needs of the community. During our discussions with the local residents of these villages, they expressed a strong desire for training sessions on handling advanced technology equipment and machines used for automobile troubleshooting. This training is intended to benefit mechanics from these villages, empowering them with valuable skills for automotive problem-solving. This skill development workshop is a response to the expressed needs and aspirations of the community.

Activity Carried out by:

Dr M Prabhahar, Head Department of Mechanical Engineering

Dr S Sangeetha, Professor, Department of Mechanical Engineering

Dr M Saravanakumar, Asst Prof (Gr-II), Department of Mechanical Engineering

Mr A Imthiyas, Asst Prof (Gr-II), Department of Mechanical Engineering

Target population:

Arunkundram, Kothimangalam, Alathur, Naduvakkarai & Sirudavoor Village Automobile mechanics

Total:

3 members in each village in a consolidation of 15 Members

Brief Details of Activity:

The **Department of Mechanical Engineering and the ISR cell** of AVIT, in association with the **Rotary Club of Madras**, organized a one-day skill development workshop on **the Latest Troubleshooting Technologies Using Bosch State-of-the-Art Equipment** for individuals who have chosen the profession of automobile mechanics in the 5 villages adopted under the UBA program. This workshop was initiated in response to a request from the villagers and further discussions were held to plan its implementation. Subsequently, the Rotary Club generously agreed to sponsor tool kits and T-shirts for the participants, which would greatly assist them in their troubleshooting work after successfully completing the training workshop.

The workshop commenced with a **welcome address by Dr. M Prabhahar**, the Head of the Department of Mechanical Engineering. He welcomed the gathering and briefed about the Latest Technologies available in the BOSCH Research Centre and various laboratories available in the Department, followed by a **presidential address from Dr. S P Sangeetha**, Vice Principal, Academics Cum Program Director for ISR activities at AVIT. During her address, she highlighted the significance of this training session and the opportunities it would open up for the participants after completion. She also distributed T-shirts and tool kits to all the participants.







Following this, **Dr. M Saravanakumar** and **Mr. A Imthiyas** began delivering theoretical concepts and practical sessions using Bosch's advanced automobile troubleshooting machines, including the Bosch On-board Diagnostic tool (OBD), Battery health monitoring Machine, Automotive A/C fault finding and troubleshooting machine, Starter motor Troubleshooting Machine, and Electric Vehicle function kit.

The workshop concluded with a vote of thanks proposed by **Dr. S Sangeetha**, professor from the Department of Mechanical Engineering at AVIT. During the session, **Dr. Anuradha Ganesan**, the Respected Director of VMRF, and **Dr. G Selvakumar**, the Principal of AVIT, visited the venue and interacted with the participants to gather feedback and discuss any further requirements related to the workshop.

Learning:

It is understood through this activity that a significant portion of the rural population is not well aware of the importance of skill development programs.

Suggested Actions Based on Learning from the activity:

More efforts should be made to raise awareness among the rural population about the significance of skill development programs. These programs can be highly beneficial for individuals to empower themselves and improve their societal status. Additionally, a greater number of diverse skill development programs should be identified and organized in these villages to contribute to their overall upliftment.





















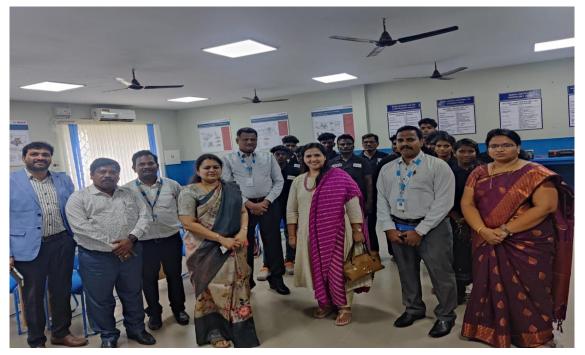


















PARTICIPANTS NAME LIST

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Sample Request Letter received from the Villagers

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	L. Baskar,
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Zur,

நாற்கள் தங்கள் கல்லூரிக்டு அடுக்ல உள்ள அடுக்குண்றம் படுதியில் வகித்து வடுகின்றோம். எங்கள் படுதியில் 8ஆம் வடுப்பு மற்றும் 10ஆம் வடுப்பு படித்த இளைசர்கள் வேணைவில்லாமன் அடுக்கின் கோம். நாங்கள் Automobile wakeshop அநிம்பிக்க ஆள்வமாக உள்ளோம். எனவே அடிற்குரிய பயிற்சிக்களை உற்கள் கல்லூரி முலமாக துடுமாறு மேண்டி கேட்டுக் கொள்கிறோம்.

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Sample Feedback received from the participant



DEPARTMENT OF MECHANICAL ENGINEERING in association with ISR Cell, AVIT

SKILL DEVELOPMENT WORKSHOP on Latest Trouble Shooting technologies using

BOSCH State of the Art Equipment for Rural young community-FEEDBACK

NAME: L. UTman

MOBILE NO: 8939669991, 9566046747

ADDRESS: 80. BABDASA OBS , SSABEN

LEARNING EXPERIENCE: கேட்டர் ரம்பி சார்க் செய்ரர் (கற்றல் அனுபவம்) போன்ற அலாவுற்ற தைரிந்தி கைக்கும்

OUTCOME:

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ANY OTHER TRAINING PROGRAM REQUIRED:

(வேறு ஏதேனும் பயிற்சி வகுப்புகள் வேண்டுமா??)

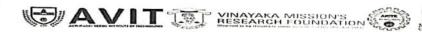
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DEPARTMENT OF MECHANICAL ENGINEERING in association with ISR Cell, AVIT SKILL DEVELOPMENT WORKSHOP on Latest Trouble Shooting technologies using BOSCH State of the Art Equipment for Rural young community-FEEDBACK

NAME:

k. Santhus hkumar

MOBILE NO:

7708763067

ADDRESS:

LEARNING EXPERIENCE:

(கற்றல் அனுபவம்)

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ANY OTHER TRAINING PROGRAM REQUIRED:

(வேறு ஏதேனும் பயிற்சி வகுப்புகள் வேண்டுமா??)

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CIRCULAR

Ref No: 2023-2024/Odd/Mech/SD 06 Date: 20.09.2023

The Department of Mechanical Engineering is organizing a SKILL DEVELOPMENT PROGRAM ON ENGINEER TO ENTREPRENEUR' on 22nd SEP 2023. All the students are requested to register and participate for the course.



HOD

Circulated to:	1. All the faculty members
	2. All the students
Copy to	1. Principal Office
	2. Department Notice Board



In association with Association of Mechanical Engineers of AVIT (AMEA)

Cordially invites you all for

SKILL DEVELOPMENT PROGRAM ON

"ENGINEER TO ENTREPRENEUR"

22.09.2023, 09.30 a.m

Venue: BOSCH Lab

Resource Person

A.Santhosh, IV Year Mechanical Engineering, AVIT M.Manikandan, IV Year Mechanical Engineering, AVIT P.Govarthan, IV Year Mechanical Engineering, AVIT

Welcome Address

Dr.M.Prabhahar HOD
Department of Mechanical Engineering, AVIT,

Vote of thanks

Mr.M.Saravanan AP GrII MECH, AVIT.



Cordially invites you all for the

Skill Development Programme on Engineer to Entrepreneur

22.09.2023

🕒 09:30 am

♀ BOSCH Lab

Resource Persons



Mr. A. Santhosh

IV Year, Mech. Engg.



Mr. M. Manikandan

IV Year, Mech. Engg.



Mr. P. Govarathan

IV Year, Mech. Engg.





Organised by: Department of Mechanical Engineering & Association of Mechanical Engineers of AVIT (AMEA)



Ref No: 2023-2024/Odd/Mech/SD 06 Date: 25.09.2023

From

Mr. M Saravanan, AP-II/Mech Mechanical Engineering Aarupadai Veedu Institute of Technology Paiyanoor-603 104

To

The Principal, Aarupadai Veedu Institute of Technology Paiyanoor-603 104

Respected Sir,

Sub: Submission of Mechanical Engineering Department Event-Report- Reg.

The Department of Mechanical Engineering, Aarupadai Veedu Institute of Technology, organised a SKILL DEVELOPMENT PROGRAM ON "ENGINEER TO ENTREPRENEUR" on 22nd SEP 2023@ 9.30AM in Bosch Lab. The report of the programme is herewith attached for your kind perusal.

Thanking you,

With regards,

Event Coordinator

M. Las

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HOD



DEPARTMENT OF MECHANICAL ENGINEERING In association with

Association of Mechanical Engineers of AVIT (AMEA)

Organized Skill Development Program on "ENGINEER TO ENTREPRENEUR" -22.09.2023

The Department of Mechanical Engineering AVIT organized a Skill Development Program on ENGINEER TO ENTREPRENEUR for the II & III Year Students on 22.09.2023. Mr.A.Santhosh, Mr.M.Manikandan & Mr.P.Govarthan from IV year Mechanical acted as resource persons for the Skill development program.

The course started with the Welcome address by Dr.M.Prabhahar, Head of the Department of Mechanical Engineering. He welcomed the gathering and also briefed the students about the skill development program and how it is designed to help engineers transition into entrepreneurs which encompass a wide range of skills and knowledge areas to equip them for being successful in the entrepreneurial world. He explored the students with various funding opportunities provided by the government and how the institution will help them for achieving it.









After the inauguration the Students presented the theory session on basic repairing two wheeler technique, checking of Spark plug & Air filter, Assembling & Disassembling of wheel & checking battery voltage was handled by Mr.Manikandan. Later the live demo about the different Testing Equipment's was explained by Mr.Santhosh and Mr.Govarthan Around 30 Mechanical Engineering students and 10 faculty members participated in the event.

The topics covered during the sessions include:

- 1. Carburettor cleaning and tuning
- 2. Spark plug cleaning
- 3. Chain adjustment
- 4. Rear tyre removal
- 5. Tube vulcanizing
- 6. Air filter and fuel filter cleaning
- 7. Clutch and Brake Adjustment
- 8. Checking Electrical system battery, horn, lighting, indicator and starter switch

The Valedictory session started around 3 pm and few of the students gave feedback about the session. Finally the Vote of thanks was given Mr.M.Saravanan, Asst.Prof. /MECH, Coordinator of the event with a thanks note to all those who were involved in making the event a successful one.



Skill Development Programme on Engineers to Entrepreneurs-22.09.2023

Participants List

Sl.No	Reg.No.	Name of the Student	Year	Sign
1	344221081	SUKUMAR RAY	11	spay
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10	3442220510	SUBHAM MAL	III-year	Duret.
11	3442220512	VASANTH KUMAR . J	III-year	#
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Skill Development Programme on Engineers to Entrepreneurs-22.09.2023

Participants List

SI.No	Name of the Faculty	Designation	Sign
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2.	J. SENTHIL	Assn. My.	quiy
3.	DY. M. SALAVARA JUMPL	Asox for GRE	M.S.
4	B. Samuel Michael	A.ss. 7 Prof	Bul
5.	Dr. S. Songeetha	Professor	Sorp
b.	K. Mahesh	Assr. prof	John .
7.	V. Ashok	Rylash Scholor	O. e. Sell
8.	M. SARAVANAN	Asst Prof (GRI)	A als. M
9.	J. KALYANAKUMAN	ASUT. PROF CASE	3. K. 1875
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	10.00		

GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS

SEMESTER: ODD

DEPT : MECHANICAL ENGIN.

ACADEMIC YEAR :2023-2024

DATE: 22 /09 / 2023.

Name of the Participant	SUBHAM MAL
Prog., Branch, Sem & Sec (If Applicable)	B.E. MECHANICAL, V-Sem III-Year
Designation & Organisation (If Applicable)	STUDENT & organised by AVIT (VMRF).
Title of the Lecture / Seminar	skill Development Program on engineer to entoupsen
Name of the Speaker(s)	A. santhosh, M. Manikandan, p. Govarathan.
Date & Time	22 09 2023
Venue & Duration of Lecture	BOSCH AUTOMOTIVE LAB (DWINGTION: 2 HRS)
 Interaction: 5 Presentation: 5 Content: 5 Learning Value: 5 	for supaisting 2-whoelest in case of any small/emergency fault in vehicle such as:
Total: 25.	i) checking of spack plug & Ain filter ii) Assembling & discussembling of wholes iii) checking of combenator in case of
	iii) checking of combenation in case of any fault. iv) checking battony valley
Any other Suggestions	iii) checking of combenator in case of any fault. iv) checking battony valley

Reviewed by Paculty In charge

SHOD &

AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY VINAYAKA MISSIONS RESEARCH FOUNDATION

AVIT/GLSFBP/29(c)

GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS

SEMESTER: ODD

DEPT : MECH

ACADEMIC YEAR :2023-2024 DATE: 22.9, 2023

Name of the Participant	A. LOGIESH
Prog., Branch, Sem & Sec (If Applicable)	B.E CNECHANICAL), The sem V
Designation & Organisation (If Applicable)	Student, AVIT
Title of the Lecture / Seminar	Engineer to Enter Preneur
Name of the Speaker(s)	A. Santhosh, M. Manikondan, D. Govaration
Date & Time	22. 9.2023 & 9.30 Am
Venue & Duration of Lecture	Bosch Labs / 2 hours
1. Communication \$ 2. Interaction \$ 3. Presentation \$ 4. Content \$ 5. Learning Value \$ Total - 25	Parts By the to examine short Plug:
Any other Suggestions	
Signature of the Participant	Styca

Reviewed by Faculty In charge

SHOD &

GUEST LECTURE / SEMINAR FEEDBACK FROM PARTICIPANTS

SEMESTER: ODD

DEPT : MECHANICAL

ACADEMIC YEAR :2023-2024

DATE: 22-9-2023.

Name of the Participant	VISHNU-P
Prog., Branch, Sem & Sec (If Applicable)	B.F-Mechanical, III Som Y
Designation & Organisation (If Applicable)	Student, AVIT
Title of the Lecture / Seminar	Engineer to Enterpreneur.
Name of the Speaker(s)	A Santhosh, m. manikardan, P. Crovarthar
Date & Time	22.9.2023 & 9:30 Pm.
Venue & Duration of Lecture	BOSTH Lab & 2 hours.
1. Communication 5 2. Interaction 5 3. Presentation 5 4. Content 5 5. Learning Value 5 Total - 25	How to solve any faults in vohicle: i) How to maintain milage ii) Checking conservator iii) Checking Battory voltage
Any other Suggestions	Nil
Signature of the Participant	Bous

Reviewed by Faculty In charge

SHOD P