

Auto-
Express_{ANews}
letterFrom the Department
ofAutomobile Engineering

**ASHOKRAO MANE POLYTECHNIC,
VATHAR TARF VADGAON**



Edition:20October, 2016

Editor:**Prof. P.T.Hasbe**
Head of Automobile Engineering



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Auto Rocks

A Newsletter

Department of Automobile Engineering

Editorial in Chief

Prof. P.T.Hasbe

(H.O.D. Automobile Engineering)

Editorial Committee

Mr. B.Y.Ghatge

Mr. V.M.Shirke

Mr. G.D.Patil

History of the Department

The Department of Automobile Engineering is established in the year 2009 with a sanctioned intake of 60 along with the establishment of institute.

Key points of the Department

- 1) Excellent Placement of final year students
- 2) Above 80% Results of final year students
- 3) Maximum Faculties Deputed for Higher Education
- 4) In-plant Training & Industrial Training Provided for all Students
- 5) Well-developed Laboratories

The automotive engineering field is research -intensive and involves direct application of mathematical models and formulas. The study of automotive engineering is to design, develop, fabricate, and testing vehicles or vehicle components from the concept stage to production stage. Production, development, and manufacturing are the three major functions in this field.

Automobile Engineering is mainly divided into three streams such as production or design engineering focuses on design components, testing of parts, coordinating tests, and system of a vehicle.

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EDITOR'S DESK



It's my pleasure to introduce department newsletter Auto Express for the month of October 2016. To begin with I would like to congratulate the member of the news-letter for taken much effort in bringing out excellent articles and organizing it in systematic manner. Automobile Engineering department is striving towards the goal of providing innovative and quality education with high standard to achieve academic excellence. The MSBTE results are good for last semester and it shows a rising trend due to efforts of our faculty.

Department Vision

To enhance the student's knowledge through technical and social education in the field of Automobile engineering for betterment of society.

Department Mission

- m1. To impart knowledge to perform experiments and solving problems in automobile engineering.
- m2. To empower the students with use of appropriate engineering tools and technology by considering impact on environment and society.
- m3. To develop Automobile Diploma Engineer with professional skills and ethical values by performing as individual or a team.
- m4. To build up the students for higher education, employability and entrepreneurship through quality education.

Editorial

To reach the great height a person needs to have a great department.

Dear reader

The memories of the past keep up our confidence and the hope of the future is what we live for but the present is the one that keeps our essence alive.

We are extremely glad to bring you newsletter Auto Express of Automobile Engineering.

We express our gratitude towards our Principal Prof. A. A. Vagyani and our head department Mr. P.T.Hasbe for their constant support and encouragement

Mr. B.Y.Ghatge

Staff Editor

Dear friends

Automobile Engineering Department of Ashokrao Mane polytechnic, Vathar exudes a new spirit of learning in all of its students. It had been pleasure in bringing out this issue of Auto express. It was quite a task to bring up all the events organized in the department and present it to you in the best way possible. All the member of the team have worked hard for it and the result are now in front of you. These articles include recently held events in the department.

Mr. Omkar Ghorpade

Student Editor



PROGRAM OUTCOMES (POs)

Basic knowledge: An ability to apply knowledge of basic mathematics, science and engineering to solve the engineering problems.

Discipline knowledge: An ability to apply discipline - specific knowledge to solve core and/or applied engineering problems.

Experiments and practice: An ability to plan and perform experiments and practices and to use the results to solve engineering problems.

Engineering Tools: Apply appropriate technologies and tools with an understanding of the limitations.

The engineer and society: Demonstrate knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to engineering practice.

Environment and sustainability: Understand the impact of the engineering solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Individual and team work: Function effectively as an individual, and as a member or leader in diverse/multidisciplinary teams.

Communication: An ability to communicate effectively.

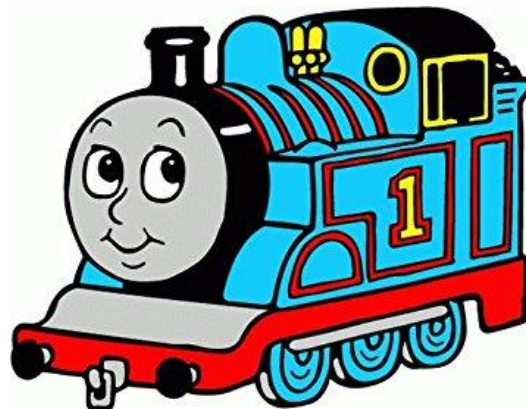
Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Find and solve the automobile industrial problems using efficient technical knowledge of various automobile systems and its maintenance.
2. Utilize various modern tools for maintaining and developing the automobile vehicles.
3. Function as an engineer by using the knowledge and skills of management such as communication skill, teamwork and leadership to practice effectively.

Training and Job Opportunities

The Training and placement Cell is committed to provide all possible assistance to its students in their efforts to find employment. This commitment is demonstrated by the existence of a full time faculty in charge. The benefits of this assistance are reflected in the preparation of students who were able to secure lucrative and esteemed positions in industry in recent years. The Training and Placement service operates through-out the year to facilitate contacts between companies and graduates. Staffs are available to respond to student's questions and concern of all kinds. The aim is to ensure that students have the information and skills necessary for an effective job search.



Activities conducted in Automobile Engineering Department

Guest Lecture

Under Automobile Engineering Students Association arranged a guest lecture on Personality Development. The resource person was Mr. Ajay Maske. In this session the resource person has given tips about personality development and life skill development. These tips are valuable to students at the time of Campus Placement.

Dr. A.N. Chapgaon, Prof. M.A. Sutar also give their valuable guidance regarding Automobile Advanced Engine Technology.



Expert Lecture On Personality Development by Mr. Ajay Maske



Expert Lecture On Green Engine Technology by Dr. A.N. Chapgaon



Expert Lecture On Iron Carbide Diagram by Prof. M.A. Sutar

Industrial visits

Industrial visits are carried out for getting actual practices going in industries.



Industrial Visit at Trendy Wheels Pvt Ltd



Industrial Visit at Trendy Wheels Pvt Ltd



Industrial Visit at S.M.Ghatge and Sons



Industrial Visit at P.S.Engineers

Academic Toppers

Name of Student	Rank
Patil JayantRavindra	1 st
PowarOmkarShivaji	2 nd
Desai Ravindra Balasaheb	3 rd

Staff Details

Name of Staff	Qualification	Designation
Mr. P.T.Hasabe	M.E. Auto	HOD
Mr. F.B.A.Amin	M.E. Heat Power	Lecturer
Mr. V.M. Shirke	B.E. Auto.	Lecturer
Mr. S.A.Patil	B.E. Mech.	Lecturer
Mr. T.P.Kulkarni	B.E. Mech.	Lecturer
Mr.G.D.Patil	B.E. Auto.	Lecturer
Mr. B.Y.Ghatge	B.E. Mech	Lecturer
Mr. A.B. Patole	B.E. Prod.	Lecturer
Miss. T.G.Vichare	M.SC (Physics)	Lecturer
Mr. Prakash ShankarKhedkar	M.E. (Design)	Lecturer
Miss. Tejaswini Vilas Patil	M. ScMaths	Lecturer

Lab Details

Lab Name	Location
Automobile Engine Lab	112B
Vehicle maintenance Lab	112A
Automobile System Lab	111
Automobile Transmission System	110
Heat Power Lab	108
Auto Electrical and Electronics Lab	109
Departmental CAD Lab	217

