

## SCIENTIST OF THE MONTH:

### NICOLAS JOSEPH CUGNOT (1725-1804)



The automobile as we know it today was not invented in a single day by a single inventor. Rather, the history of the automobile reflects an evolution that took place worldwide, a result of more than 100,000 patents from several inventors. And there were many firsts that occurred along the way, starting with the first theoretical plans for a motor vehicle that had been drawn up by both Leonardo da Vinci and Isaac Newton. However, it's important to bear in mind that the earliest practical vehicles were powered by steam.

In 1769, the very first self-propelled road vehicle was a military tractor invented by French engineer and mechanic, Nicolas Joseph Cugnot. He used a steam engine to power his vehicle, which was built under his instructions at the Paris Arsenal. The steam engine and boiler were separate from the rest of the vehicle and placed in the front. It was used by the French Army to haul artillery at a whopping speed of 2 and 1/2 mph on only three wheels. In 1771, Cugnot drove one of his road vehicles into a stone wall, giving the inventor the distance honor of being the first person to get into a motor vehicle accident. Unfortunately, this was just the beginning of his bad luck. After one of Cugnot's patrons died and the other was exiled, funding for Cugnot's road vehicle experiments dried up



241 years later, in 2010, a copy of the "fardier de Cugnot" was built by some of the pupils of the Arts et Métiers ParisTech, a French Grande école, and the city of Void-Vacon.

Page-4

## DYNAMOS... THE FEW . THE PROUD

A NEWSLETTER OF MECHANICAL ENGINEERING DEPARTMENT

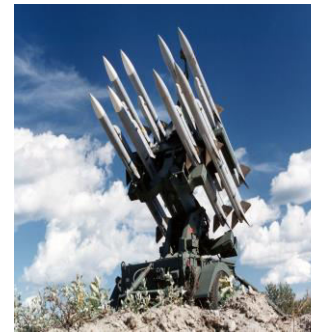
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### EDITOR'S VOICE:

A **ballistic missile** is a missile that follows a ballistic trajectory with the objective of delivering one or more warheads to a predetermined target. A ballistic missile is only guided during relatively brief periods of flight (there are unguided ballistic missiles as well, such as 9K52 Luna-M, although these may well be considered rockets), and most of its trajectory is unpowered and governed by gravity and air resistance if in the atmosphere. This contrasts to a cruise missile, which is aerodynamically guided in powered flight. Long range intercontinental ballistic missiles (ICBM) are launched at a steep, sub-orbital flight trajectory and spend most of their flight out of the atmosphere. Shorter range ballistic missiles stay within the Earth's atmosphere. The R-7 Semyorka was the first intercontinental ballistic missile.



# MISSILE



### Contents

Editor's voice  
Industrial Visit  
& workshop

Page1  
Page2

Faculty & Student Activities

Page3

Scientist of the month page4

## INDUSTRIAL VISIT:

- The students of fourth year have undergone an Industrial visit to the “**APSRTC ZONAL WORKSHOP ON 14<sup>TH</sup> & 15<sup>TH</sup> SEPTEMBER**”. With the mean of enhancing technical and industrial skills to the greater extent’s.



## WORKSHOP:

- Department organized a four day workshop on Autodesk Fusion 360 involving fourth year students held on 02/09/2016. Inculcating the design standards & elaborating prior role of designing in the trending market, being the main motive behind this workshop.



## FACULTY ACTIVITIES:

- Mr. N.V.Sai Ram have attended a five day Faculty Development Programme on “**AUTODESK AUTOCAD**” conducted by ICTACT at Andhra Loyola College of Engineering & Technology, vijayawada from 19-09-2016 to 23-09-2016.

## STUDENT ACTIVITIES:

- On behalf of engineers day celebration’s students of mechanical department participated & accomplished various technical events conducted in our institution and various other institutions.
- J.Uday of 4<sup>th</sup> mechanical secured first position in paper presentation event conducted as a part of SAMKALP, A national level technical meet at KHIT,Guntur.
- The list of winners from our institution activities is as follows: (MECHANICAL DEPARTMENT ACTIVITIES)

S.NO	ROLL.NO	NAME	EVENT NAME	POSITION
1	13JR1A0351	M.THILAK	AUTO CAD	1
2	14JR1A0396	V.DURGA PRASAD	ELOCUTION	1
3	14JR1A0368	KALYAN RAM.P	ELOCUTION	2
4	14JR1A0304	A.RAHUL	ELOCUTION	2
5	14JR1A0356	M.NAGA RAJU	AUTO CAD	1
6	14JR1A03A3	Y.SAI AKHIL KUMAR	AUTO CAD	2
7	15JR1A0373	P. RAKESH KUMAR	AUTO CAD	1
8	15JR1A0352	P. LALITH KRISHNA	AUTO CAD	2

(CIVIL DEPARTMENT ACTIVITIES)

- Students from third Mechanical section : B, cleared debating competition organized by civil department .

S.NO	ROLL.NO	TEAM MEMBERS	EVENT NAME	STATUS
1	14JR1A0368	KALYAN RAM.P	DEBATE	WINNERS
2	14JR1A0396	V.DURGA PRASAD	DEBATE	WINNERS
3	14JR1A03A3	Y.AKHIL KUMAR	DEBATE	WINNERS
4	14JR1A0365	P.SATYANARAYANA	DEBATE	WINNERS
5	14JR1A0354	M.AVINASH	DEBATE	WINNERS