

# News Letter

Department of Mechanical Engineering

**Sri Vasavi Engineering College**

**Volume- 2 Issue- 1**

## *Editorial Board*

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## About the college

“Sri Vasavi Engineering College” was established in the year 2001 by Sri Vasavi Educational Society consisting of a group of educationists, industrialists, lawyers and philanthropists with a desire to share the responsibilities of the society for the development of quality Technical Education.

## About the Department

The Department of Mechanical Engineering was established in the year 2010 with an intake of 60 students and enhanced to 120 in 2012. The department strives hard to impart quality education and to keep the students on the competitive edge of the present-day technology.

Dear Readers, your valuable suggestions for a better quality of the newsletter, in terms of appearance, contents, no. of issues etc., are wholeheartedly invited. Kindly send your comments to

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**Guest lectures /seminars/FDP's organized in the Department**

S.NO	DATE	DESCRIPTION OF THE EVENT
1.	27/06/2014	Guest lecture on <b>Career Planning</b> by Mr. A. Satish, Sr. Divisional engineer, Indian Railways
2.	07/07/2014	Guest lecture on <b>Engineering Mechanics</b> ”-Made Easy by Dr.N Sambasiva Rao, Retd. Prof. IIT-KGP
3.	17/07/2014	Guest Lecture on <b>“HOW TO DEVELOP TECHNICAL SKILLS”</b> by Mr. T. Satya narayana, Asst. Vice President, Tech Mahindra
4.	06/08/2014	Guest lecture on <b>“ Art &amp; Science of Fluid Mechanics”</b> by Prof. TVK Bhanu Prakash, AU Visakhapatnam
5.	13/08/2014	Guest lecture on <b>“GENETIC ALGORITHEM: OVER VIEW”</b> by Dr.D.V.S.S.S.V.Prasad, Principal, VISIT, Tadepalligudem
6.	20/08/2014	Guest lecture on <b>“Eternal India-A Contemporary Perspective”</b> by Dr.GS Murthy, Prof. of nuclear chemistry A.U. (Retd.)

**FDP's attended by the Faculty**

S.No	Name of the faculty	Name of the workshop	Date
1	Mr. S. Sri ram	National conference on “An over view of Utilisation of landfill gas as a source of energy generation”	13/06/2014

**Publications in the National and International Journals**

s. No	Name of the faculty	Publication details
1.	TSSR Krishna and P Vijay Kumar	3D Modeling & Detailing of Silumin Piston With Static Analysis IJSEAT, Vol 2, Issue 7, July 2014
2.	Dr.G V S N R Ratnakar Rao and V.Sarath Teja	Numerical Study of Different Cross-Sectional Stacked Micro channel Heat Sink IJERT, Vol 3, Issue 8, Aug 2014
3.	S.Chandra Sekhar	Structural and Thermal Simulation of Fins Of An Air Cooled Engine Cylinder Under Varying Speed Conditions IJSEAT, Vol 2, Issue 9, Sep 2014
4.	N Tulasi Radha	Modeling Structural and Thermal Analysis of Conrod Using Composite Materials IJARST Vol 3, Issue 2, PP 23-29, Sep 2014

## Terms related to Mechanical Engineering

1. **Bearing:** The part of a machine within which a rotating or sliding shaft is held. In some bearing types, balls or rollers are used between the bearing surfaces to reduce rolling friction.
2. **Bell crank:** A pivoting double lever used to change the direction of applied motion.
3. **Boss:** A cylindrical projection, as on a casting or a forging. Usually provides a contact surface around a hole.
4. **Broach:** To finish the inside of a hole to a shape other than round, as in a keyway The tool for the process, which has serrated edges and is pushed or pulled through the hole to produce the required shape.