



## DEPARTMENT OF MECHANICAL ENGINEERING

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The **RISE KRISHNA SAI PRAKASAM GROUP OF INSTITUTIONS** (An integrated campus) established in the year 2009 under the society RISE, which stands for Rural Institute of Social and Economic Empowerment, to offer unparalleled Engineering, Management and Computer Education. The most competent, dedicated and technical human resources in the campus sharpen students and their skills. They thereby, shall be sure to make the greatest possible strides both in their career and life.

### **INSTITUTE VISION:**

To be a premier institution in technical education by creating professionals of global standards with ethics and social responsibility for the development of the nation and the mankind.

### **INSTITUTE MISSION:**

M1: Impart Outcome Based Education through well qualified and dedicated faculty.

M2: Provide state-of-the-art infrastructure and facilities for application-oriented research.

M3: Reinforce technical skills with life skills and entrepreneurship skills

M4: Promote cutting-edge technologies to produce industry-ready professionals.

M5: Facilitate interaction with all stakeholders to foster ideas and innovation.

M6: Inculcate moral values, professional ethics and social responsibility.

### **Editorial board**

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### **Department of Mechanical Engineering:**

The department of Mechanical Engineering was established in the year 2011 with an intake of 60 students. Our undergraduate program educates the students to go for in depth study of manufacturing, thermal, design and other subjects which



help them to serve the society in best possible manner where ever they go. The department is enriched with highly qualified, experienced and committed faculty members. The department also has a very unique distinction of hosting a student run society with the name of RISE YUVA. The department has good infrastructure and is equipped with full-fledged laboratories.

#### **DEPARTMENT VISION:**

To be a competent Mechanical Engineering Department for quality education with global standards to serve humanity and contribute for the socio-economic development.

#### **DEPARTMENT MISSION:**



DM1: Impart quality education through dedicated faculty and state-of-the art facilities.

DM2: Achieve academic excellence in Mechanical Engineering through innovative teaching and learning methodologies.

DM3: Inculcate professional, managerial and entrepreneurial skills among stake-holders.

DM4: Promote industry institute interaction for problem solving.

DM5: Involve in life-long learning activities to cater the society needs.

#### **Program Educational Objectives:**

PEO1: Pursue higher education & work in the field of Design, Manufacturing & Thermal Engineering.

PEO2: Identify, analyze and find a suitable Engineering solution with interdisciplinary knowledge.

PEO3: Exhibit professional values to seek realistic solutions Of Social, Economical & Environmental Problems with Ethical Values.

PEO4: Continue to learn and develop a team and face the competencies with dynamically Changing technological environment.



### Workshops Organized:



- ✓ Workshop on “QUAD COPTER” conducted for second, third, fourth year by Mechanical Department with EDC of IIT Delhi and Wing InfoTech Pvt. Ltd.



- ✓ Workshop was conducted on METAL “HYDRATES FOR HYDROGEN STORAGE-MOBILE AND STATIONARY APPLICATIONS” by Dr. E. Anil Kumar from IIT Indore on 28<sup>th</sup> December 2016.

- ✓ A two day workshop on “NDT” from Future NDT conducted on 27<sup>th</sup> & 28<sup>th</sup> January 2017

### Faculty Publications:

- ✓ Mr.J.Krishna, Profesor was published “Experimental and Numerical Investigations on Al<sub>2</sub>O<sub>3</sub>–Tricosane Based Heat Pipe Thermal Energy Storage”, Volume31Issue6Pages980-985
- ✓ Mr.K.Ragesh Guptha, was published “CFD analysis of Four-into-one exhaust manifold in IC engines “[IJESAT] [International Journal of Engineering Science & Advanced Technology]Volume-7, Issue-1, 032-044
- ✓ Mr. K.S.J. Prakash, was published Fixture Design and fabrication for rocket propulsion blade.

### Industrial Visits:

- Third and fourth year students went to Ongole Milk Dairy (ongole) on 19<sup>th</sup> October 2016.

