

Vol 02

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Issue 01



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.

#### **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

#### **Editorial board**

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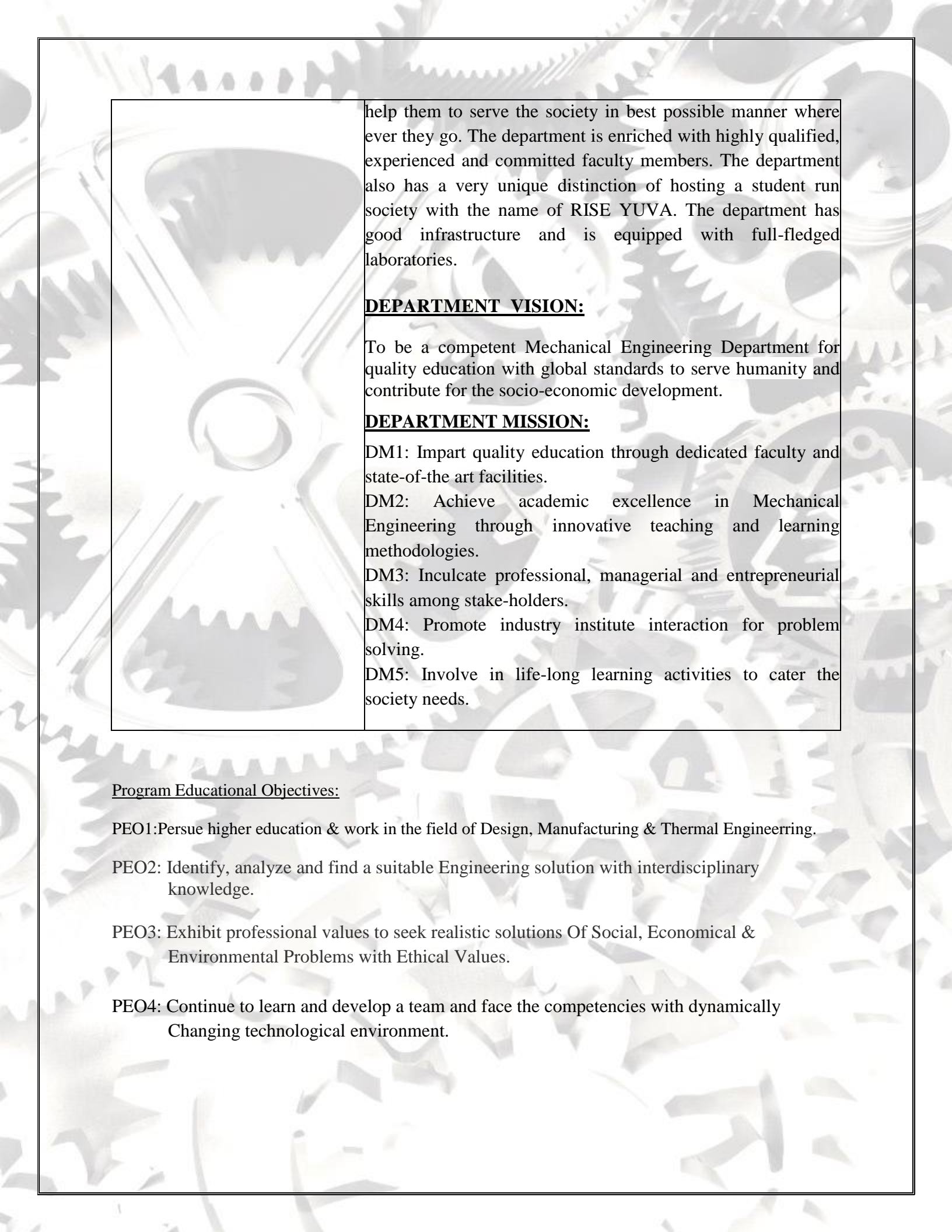
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	<p>help them to serve the society in best possible manner where ever they go. The department is enriched with highly qualified, experienced and committed faculty members. The department also has a very unique distinction of hosting a student run society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

- ✓ A workshop on integration of CAQC with CAD/CAM was organized on 11<sup>th</sup> september 2017 by Mr.B.Vamsi krishna.

### Proto types Developed by students:

S. No	Working Models	Faculty	Batch
1	Can Crusher 	K Hari Babu	5 Students
2	Crank shaft operated multi axle machine 	I. Seetharama rao	5 Students
3	Power generation using solar and wind 	D. Ashok	5 Students

4	<b>Paper cutting machine using Geneva Mechanism</b> 	K Rajesh Guptha	5 Students
5	<b>Solar Electric Regenerative car</b> 	K S J Prakash	10 Students
6	<b>Gearless Transmission System</b> 	K Hari Babu	5 Students



### Guest Lecturer:

- ✓ A guest lecturer was conducted on “**casting**” by Dr.K.Chiranjeevi, Indian metal works, Guntur on 14<sup>th</sup> February 2017

### Fabrication Project Expo:

- As most of the Projects are of design and analysis type which cannot be displayed.
- Some other mini and major fabricated projects, best projects and the working models are displayed in the events like Engineers day, technical fests and other science fair events.
- Some of our projects were selected to display at Jnanabheri program and students explained them to honorable Chief Minister.



Project Expo in RISE campus during technical fest 2K18, displaying the various working models and prototypes made by the students.



**Faculty Publications:**

S. No	Faculty	Title	Journal Name	Indexing
1	B. Chandra Mouli	Effects Of Measurement Conditions On Pressure-Concentration Isotherm And Thermodynamic Properties Of Lani 4.6 al 0.4 Hydride	Materials Today: Proceedings	SCOPUS
2	B. Chandra Mouli	Critical Analysis in Milling of GFRP Composites by Various End Mill Tools	Materials Today: Proceedings	SCOPUS
3	B. Chandra Mouli	Development and Characterization of Hybrid Fibres Reinforced Composites Based on Glass and Kenaf Fibers	Materials Today: Proceedings	SCOPUS
4	B. Chandra Mouli	Free vibration of functionally graded conical shell	Materials Today: Proceedings	SCOPUS
5	B. Chandra Mouli	Effect of intake swirl on the performance of single cylinder direct injection diesel engine	IOP Conference Series: Materials Science and Engineering	SCOPUS

**Industrial Visits:**

S. NO	Company/ Organization	Date	Number of Students
2	Sri Lakshmi Ganapathi Engineering Works, Guntur	09/09/2017	45
3	Hindustan Coca Cola Ltd, Guntur	09/09/2017	45
4	Dr NTTPS, Vijaywada	23/09 2017	50



Industrial visit to Sri Lakshmi Ganapathi Engineering Works, Kumar Pumps, Tenali



Industrial visit to Dr NTTPS, Vijaywada

