

# YANTHRA DARSHINI

## NAAC ACCREDITED WITH 'A' GRADE

News Letter

Department Of Mechanical Engineering



Giving Wings to Thoughts

# ST. PETER'S

## ENGINEERING COLLEGE

(Sponsored by Shantha Educational Society)



### HALF YEARLY NEWS LETTER - 2018



**CHIEF PATRON: Mr. T. BALA REDDY, CHAIRMAN**

**PATRON: Mr. T. VIJAYPAL REDDY, SECRETARY**

**ADVISORS: DR.M.NARENDRA KUMAR, PRINCIPAL**

**: DR. ASHOK REDDY, HOD, (MECH.)**

**: MR. PRADEEP KUMAR, HOD, (MECH. DIPLOMA).**

**:**

*29 Loard gives strength to the weary and increase the power of the weak. They will soar on wings like eagles.*

*- Isaiah 40:28-31*

When I asked for Strength,	God gave me difficult situations!
When I asked for Brain & Brawn,	God gave me puzzles in life to solve!
When I asked for Happiness,	God showed me some unhappy people!
When I asked for Wealth,	God showed me how to work hard!
When I asked for Favors,	God showed me Opportunities to work harder!
When I asked for Peace,	God showed me how to help others!
God gave me nothing I wanted!	God gave me everything I needed!!

----- SWAMI VIVEKANANDA

### Vision and Mission of the Institute

#### INSTITUTE VISION

Our vision is to promote quality education accessible to all sections of the Society without any discrimination of caste, creed, color, sex and religion and help students discover their true potential.

#### INSTITUTE MISSION

**M1.** To provide integrated, continuous and wholesome development of students by equipping them with knowledge and skills, social values and ethics, scientific attitude and orientations for lifelong education and mold them into useful citizens of the society.

**M2.** To create an environment conducive to inhibiting theirs total involvement and participation of the students, faculty, staff and management. In making the institution into a center of excellence imparting quality technical education and also arms the students with the competence to be at the forefront of cutting edge technology and entrepreneurship in highly competitive global market.

### Vision and Mission of the Department

#### DEPARTMENT VISION

The Mechanical Engineering Department strives to be recognized globally for outstanding education and research leading to well-qualified engineers, who are innovative, entrepreneurial and successful in solving problems of society

#### DEPARTMENT MISSION

1. Imparting quality education to students to enhance their skills and make them globally competitive.
2. Prepare its graduates to pursue life-long learning, serve the profession and meet intellectual, ethical and career challenges.
3. To train students to take up projects in core and inter-disciplinary areas in tune

### EDITORIAL TEAM MEMBERS

Mrs. V.Pragnya, Asst. Professor  
 Mr.Ragavendra, Asst. Professor,  
 Mr..K.Divakara Murthy, Asst. Professor,  
 Prof. Dr. K..Raveendran,



**MR. T. BALA REDDY, CHAIRMAN  
MESSAGE**

I am extremely happy in releasing the newsletter, highlighting the activities of the Department of Mechanical Engineering between December 2017 and May 2018. The laudable efforts of the students and staff of this Institution for bringing this Institute as one of the best in the country. I congratulate all the staff and the students of the department for having released this newsletter.



**MR.T. VIJAYAPAL REDDY,  
SECRETARY**

**Message**

I am delighted to know that Department of Mechanical Engineering of our college is coming out with a newsletter Yantra Darshini carrying the news and the achievements of our staff and students of the department, who earn credits for the institution, is being released. On this gracious occasion I wish all the best to those who are responsible for bringing out this letter. Congratulations to all the editorial members and contributors



**PROF. DR. M. NARENDRA KUMAR  
PRINCIPAL**

**Message**

It is my pleasure in congratulating the editorial board and contributors on this pleasant occasion of releasing the newsletter for the period from December 2017 to May 2018. It is great to find a considerable number of achievers and participants in curricular and co/extra/curricular activities which certainly prove that our staff and students are adequately equipped and possess necessary skills to bring such laurels to the institution. I wish them all the very best for future endeavors.



**MR. J. PRADEEP KUMAR, HOD  
(DIPLOMA)**

**Message**

We are happy to bring out this news letter this year again which stand proof for our students' outstanding active performance in academics as well as in the co-curricular and the extra-curricular activities. As usual they have exhibited their exceptional skills.



**PROF. DR. K. ASHOK REDDY,  
HOD DEPT. MECH. ENGG..**

**Message**

I am proud to release this newsletter and congratulate all the staff and students for their contributions towards the growth and development of the department. I wish the team grows large in size and quality in the subsequent years to come I wish them all the best in all the future endeavors.

We also congratulate the faculty members of the Dept. of Mechanical Engineering for their immense contribution to the growth of the department and for encouraging the students to achieve all round success. I wish them success in their future activities.

We congratulate the team who won the ECO – CART – 2018 design prize.

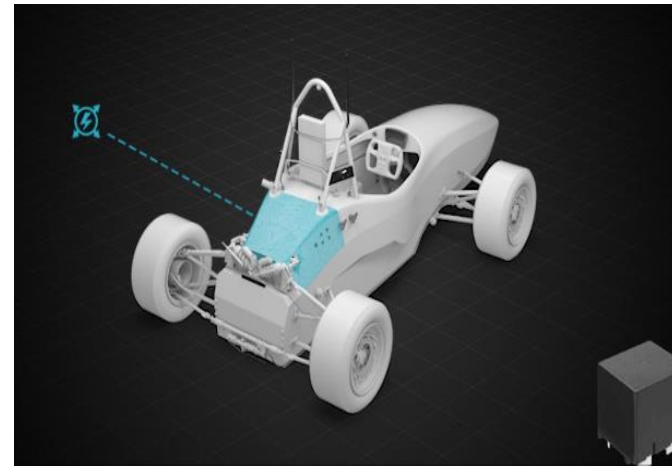
A team of students from III year Mechanical Engineering have participated in an ECO-CART- 2018 competition held in an Engineering College in Hyderabad in the month of February 2018 and won a design prize.



ECO – CART - 2018

**ISIE-HYBRID VEHICLE CHALLENGE (HVC)**

Another team of students from final year mechanical Engineering and members of Society of Automobile Engineers have participated in HYBRID CAR – 2018 competition organized by SAE, New Delhi, India. They had participated in Training program conducted by SAE in Dehradun in the month of April 2018 for about a month. Subsequently were trained in Hyderabad for about a week time by SAE as a part of competition. The final Competition were held in New Delhi where, our team won all India 5<sup>th</sup> Place. More than 200 teams had participated from all over the country. Which is considered a phenomenal performance. Congratulations!! for the team of 30 who worked day and night tirelessly for several months.



**FORMULA HYBRID SAE-2018**

III Year Mechanical Engineering students have tendered send off farewell to all the outgoing final year Mechanical Engineering Students as a tradition of SPEC in a grand function. Congratulations!!

Mechanical Engineering Students have participated in annual technical and cultural festival of Aquila 2018 and bagged several best performance awards. Congratulations to all the students participated in the Aquila-2018 with enthusiasm and competitive spirits which is well participated event conducted in 2018.

**INDUSTRIAL VISIT:**III BTECH – II SEM STUDENTS were taken to CITD, BALANAGER, HYDERABAD as a part of one day Industrial visit in Jan 2018 by Prof. Nagendra.

**PLACEMENT ACTIVITIES: On Campus & Off Campus:**A special fast phase training for the final year students were carried out by the TPO for the placement purpose through out the year and they were made to face the interviews held by various organizations.

30 current final year students have been placed on campus and 19 Students of final year Mech. have been placed off Campus. 25 final year students have been placed on campus as on today with very good pay package.

**ACADEMIC SUCCESS RATE :**

	I SEM	
II	9.8%	
III	26.7%	
IV	27.8%	

Though the academic success rate has improved as compared to previous years, this requires a phenomenal change and our faculty members are motivating the students to bring about positive changes.

**TOPPERS IN ACADEMIC PERFORMANCE:** (2017-18)

**CONGRADULATIONS! TOPPERS!!**

YEAR	SEM	Roll Number	%
II	I	16BK1A0335	7.25
		16BK1A0365	7.05
III	I	16BK5A0321	76.80
		16BK5A0304	72.53
IV	I	14BK1A0333	73.73
		14BK1A0342	69.73

**TOPPERS IN ACADEMIC PERFORMANCE:** (2016-17)

**CONGRADULATIONS! TOPPERS!!**

YEAR	SEM	Roll Number	%
II	I	15BK1A0329	70.67
		15BK1A0333	57.73
	II	16BK5A0321	80.12
		15BK1A0329	73.45
III	I	14BK1A0333	65.47
		14BK1A0342	65.47
	II	14BK1A0363	62.80
		14BK1A0333	71.73
IV	I	14BK5A0311	77.47
		13BK1A0320	70.93
	II	13BK1A0392	81.86
		14BK5A0311	81.71

**One Week Faculty Development Program:**

One Week in house Faculty Development Programme was conducted in the campus for all the faculty members during 4<sup>TH</sup>-13<sup>TH</sup> DECEMBER 2018.

**NATIONAL CONFERENCE ON INNOVATIVE APPROACHES IN MECHANICAL ENGINEERING**

AN INTERNATIONAL CONFERENCE IS BEING PLANNED TO BE CONDUCTED BY THE DEPARTMENT OF MECHANICAL ENGINEERING IN THE MONTH OF NOV-DEC.2018. Research papilers are being received which will be reviewed and published eventually. We thank all the faculty members for their active participation and contributions for this conference.

**New Infrastructure added:**

A new second WORKSHOP SHED is added to the department at a cost of rupees 10 lakhs, which gives more facility and flexibility to our staff and students to conduct laboratory classes and practice sessions.

**PURCHASE OF NEW EQUIPMENTS:**

New Sophisticated Robotics machine is added in the department laboratory in the month of February 2018 at the cost of Rs. 40 lakhs. Faculty members are being trained on the new robotic systems.

**FACUTY MEMBER SHIP IN SOCIETIES:**  
All the faculty members of the department were made member of ISTE of AICTE.

The Department welcomes Prof & Dr.K. Ashok Reddy having more than 20 years of experience joined hands with the department as HeTY ad of the Department to guide the team. The department extends warm welcome to the Dr. newly joined Dr. Ganasambandham, and Dr. Ganesh Kumar. In addition there are two more oined the department in December for strengthening in research and academic fields.