



ANNUAL REPORT :: 2017-18

A warm welcome to you all to the 10th annual day celebrations of Potti Sriramulu Chalavadi Mallikharjuna Rao College of Engg & Tech.

I am very much elated to present the Annual Report of the activities of our College for the academic year 2017-18.

At the very outset, with utmost respect I thank the members of the management Committee for their confidence in me and entrusting the responsibility of heading this great Institution.

Technical Education is the backbone of every nation and is the stepping stone for a country to move into the position of a developed nation. SKPVV Hindu High Schools Committee has been contributing in the mission of transforming India into developed nation by running Potti Sriramulu Chalavadi Mallikharjuna Rao college of Engineering and Technology with innovation, creativity, human intelligence and patience as they strongly believe that **“Service to Human being is Service to God”**.

Creating better human beings is our motto and we can achieve that when we are able to mould our students to be good human beings with great values. We provide an environment for overall development that nurtures them towards becoming strong and focused human beings.

PSCMRCET continues to be rated as one of the leading technical colleges in the capital region of Andhra Pradesh. The academic programmes that we offer in Polytechnic, Engineering and Management are highly regarded. The institute is known for imparting a high quality professional education and training in an atmosphere of discipline. We work towards fulfilling this mission, shaping our students into people who can play an active role in the development of a knowledge society.

The college has a strength of around **2800** students. We have been maintaining the required student-faculty ratio as per AICTE norms . We are proud to announce that we have very senior staff members on our rolls who are in the panel of experts of NBA and AICTE and they are well versed with the norms and standards of AICTE, NBA, and NAAC.

FACILITIES & INFRASTRUCTURAL DEVELOPMENTS IN THE INSTITUTION

The college caters to the needs of the students fulfilling the curriculum requirements of all the branches prescribed by JNTU.K to which our college is affiliated by providing spacious class rooms, state-of-the-art labs, extensive Library, well equipped Seminar halls, state of the art Labs. are some of the amenities we boast of. This reflects the zeal of the management in providing the best facilities for technological education without compromising quality.

ACHIEVEMENTS During 2017-18

The college has entered into MOU with “Eurth Techtronics” and collaboratively established an “Incubation Center” which was inaugurated by Dr. Ravi Kumar P. Vemuru CEO APNRT Corporation. We heartily thank Sri M. Sri Hari garu CEO of Eurth Techtronics for selecting 16 students to work in this.

Govt. Of Andhra Pradesh has identified our College as “CM’s Skill Excellence Centre” and established a laboratory with 37 high end lap tops to train the students, in emerging technologies by APSSDC throughout the year. We thank CM and APSSDC for this generous gesture.

1. Mr.Saikumar Reddy of IV CSE, achieved Hall of fame in the Top IT Legends like Google, Microsoft, Oracle, Hackcerone etc., by suggesting many vulnerabilities and earned more than 10 lakhs cash prize in total till today. The highest being from Google worth of\$13337 USD, Which is 8,70,000 INR.
2. **Learnathon** which is a first of its kind, was conducted by **ICT Academy in association with Trailhead Inc.**, nonstop for 24hours . The students of CSE made a mark from our college to stand in All India rating. In the final we stood in the Excellent Contributors list. Congratulations to **Mr. Leela Pavan Kumar Nagandla, Mr. Varun Sanisetty and Ms. Lakshmi Priyanka Kota.**
3. 2nd CSE students **P.Jagadeeswara Vara Prasad, P.L.Saroja, N.L.Pavan Kumar, and Sri Teja** showcased the project “**Chaser Drone in Agriculture**” in a National Level e-Yantra Robotic competetion 2017 at IIT Bombay and our college is the only one from entire A.P and received a prize under the guidance of Sri G V S R K Prasad.

4. **Mr. B.Narendra Kumar Reddy and Mr.Ch.Chetan Chand** of IV EEE reached **SEMI FINALS** of **Sustainable Entrepreneur Award 2017** competition organized by Jagriti And Cococola India Limited held at Mumbai.
5. **Mr.K.Srikantgopi Chand, Mr.B.Narendra Kumar Reddy, Mr.Ch.Chetan Chand** of IV EEE got **GOLD MEDALS** in the internship Program on Hybrid Electrical Vehicles Design competition organized by **EZENITH EDUCATION at BITS Pilani**, Hyderabad & at Vemana Institute Of Technology Bangalore.
6. **Ms.D.Susanna** of II EEE selected for National Level **MERIT SCHOLARSHIP** of Rs.45,000 per annum awarded by ONGC.
7. **Ms.B.Niharika**, student IV CSE presented a paper in **CDAC International Conference** in Mumbai **and** also achieved Google Scholarship.
8. **Ms D. Vishnu Priya, Mr.D.Omkar Avinash, Ms.A.Manisha, Ms.B.Sowjanya, Ms.Ch.Lakshmi, Mr.K.T.S.Sumanth, Mr.M.Premkumar, Mr.Prem Shankar** of II CSE-A are selected for the **National Level youth Competition at IIT Kharagpur** .
9. Final year students of Mechanical Engineering participated in **GORA SCIENCE EXHIBITION** and won first prize .
10. **SHAFT DRIVEN CYCLE** developed by final year students of Mechanical Engineering has received appreciation from many circles.
11. **P.Rakesh** of M.B.A 1st year was selected for JNTU Kakinada softball team. He participated all india inter universities (men) tournaments at Maharshi Dayanand University, Rohtak , Haryana
12. **P. Mohan Kishore** of eee 2nd year selected as captain for JNTU Kakinada hand ball team .
13. **N.KIRAN KUMAR** II Diploma Mechanical Student got third prize in lathe master competition organized by **JAWAHARALAL NEHRU TECHNOLOGICAL UNIVERSITY (KAKINADA)** at two day national level workshop.
14. **B.N.V.S.S.N.PRAVEEN** of 2nd M.B.A selected to shuttle badminton JNTU Kakinada south zone team (men) Our college hosted JNTU Kakinada judo (men & women) team selections for all India inter University Tournament.

15. I Diploma Mechanical student (J.Dinesh) got FIRST PRIZE in KARATE at State level and District level which is organized by A.P Government youth festival-2017.
16. I Diploma Mechanical student (J.Dinesh) got FIRST PLACE in National Karate Championship, Chennai, 2017.
17. I Diploma Mechanical student (J.Dinesh) got SECOND PLACE in International KARATE Championship, Chennai, 2017.
18. III Diploma Civil student (prem chand) got FIRST PLACE in JIGNASA 2K18 which is organized in PSCMR CET.

Consultancy Services:

I am elected to announce that our college has started to offer consultancy services.

- a) PVP Mall APP Development and maintained by CSE, PSCMRCET Faculty: Mr.B.Sarath Chandara, Mrs.Ch.B.V.Durga and IV CSE Students : Mr.B.Sriharsha, P.Arun Deep, A.Saikumar Reddy and J.V.Ramana Babu
- b) **Samarata Seva Foundation Website and App Development and maintained by CSE, PSCMRCET** Faculty: Mr.I.Murali Krishna, Mr. B.Sarath Chandra, Mr. B.Srikanth Reddy and IV CSE Students

The Department of Civil Engineering has started offering the consultancy work in Geo-Technical Engineering and material testing.

Received Ph.D

Two of our faculty members were awarded with Ph.D degree in the current academic year.

1. **Dr. A. Pathanjali Sastri (CSE)**
2. **Dr. Ranga Rao M (ECE)**

1. International Conference of Contemporary Engineering and Technology

- a) The First International Conference held in 31st March 2017-1st April 2017 was a hall mark of research & innovation milestone that more than 10 papers has been awarded best papers, and 6 papers has been published in Socpus Indexed Journal and more than 50 papers from our College Faculty.
- b) We are organizing the a 2-day Second International Conference on 3rd April – 4th April 2018.

2. Book Publications

- Python Programming - Dr.K.Nageswara Rao, Dr.Sk.Akbar of CSE Department
- Enhanced Intrusion Detection System using Machine Learning Techniques - Dr.Sk.Akbar of CSE Department

Students Achievements

About 100 students of ECE department have participated in different events conducted by GORA SCIENCE CENTRE, APITA and various engineering colleges in around Andhra Pradesh and won prizes and certification.

Internships and Industrial tours

Nearly 52 students from CSE, 48 students from ECE, 40 students from EEE, and 65 students from MBA are doing paid internships.

The students are encouraged to have industrial visits to various industries to provide the real time experience.

INDIAN RAILWAYS, AIRPORTS AUTHORITY OF INDIA, DEFENSE RESEARCH AND DEVELOPMENT LABORATORY, HYDERABAD, ELECTRONICS CORPORATION OF INDIA LIMITED, HYDERABAD, VIZAG STEEL PLANT, VISAKHAPATNAM, RAILWAY WAGON WORKSHOP, Ultratech Cements, VTPS AND NSE are a few to name.

COMMUNICATION SKILLS & PROGRAMMING SKILLS

In view of the importance English language proficiency, Good communication skills, reasoning and aptitude in this highly competitive world, we offer to our students a specially designed course that makes them readily employable. All the course material is specially designed and taught by well experienced teachers recruited exclusively for this purpose.

All the departments are vigorously conducting various industry oriented courses beyond curriculum, to enhance the job worthiness of the students.

PLACEMENT ACTIVITIES

Training And Placement Cell is going ahead successfully with the objective of achieving maximum possible placements for our students. We thank our placement team headed by Mr. Manikanta for their invaluable efforts. For this academic year, 2017-18, so far, a total number of 160 students have been placed in different corporate companies.

The companies' feedback about the performance of our students is encouraging. The pragmatic, professional and ethical approach of us has ensured a positive image for the college which has worked well to sustain a meaningful and long standing relationship between the college and recruiting companies.

Placements for 2017-18 Academic Year	
Department	Number
CIVIL	1
CSE	66
ECE	34
EEE	10
MBA	17
Mech	32
Total number of placements up to 22-03-2018	160

College Results

We have been consistently doing well and there is a remarkable growth in the University examination results of students' pass percentage.

1. CSE - 86 / 122
2. ECE - 73 / 133
3. EEE - 50 / 65
4. MECH - 63 / 102
5. CIVIL - 35 / 64
6. MBA - 152 / 169
7. Diploma - 61 / 109

Number of students appeared in the final year examination = 764

Number of students passed in final year examination = 520

Overall pass percentage = 68.06%

RESEARCH & DEVELOPMENT ACTIVITIES:

The staff and students of our college have published a total no. of 104 research papers in national and international journals under aegis of research forum – “PSCMR-RF” where both faculty and students are engaged in wide range of research activities. The PSCMR-RF provides a lively environment for students and faculty with conferences, research talks, and showcasing themes from members' research interests. I am happy to report, that our faculty are not only content with their routine teaching, they strive to update their knowledge.

Research Publications for the academic year under reference.

S.No	Department	No. Of Publications
1	CE	--
2	EEE	9
3	ME	7
4	ECE	18
5	CSE	20
6	MBA	50
7	S&H	--
Total No. Of Publications		104

Participation in National Level competitions:

1. Students submitted various project proposals to **e-yantra – IIT Bombay** ideas competition under the guidance of S. Pradeep Kumar, Asst.Prof of ECE department, and G.V.S.R.K.Prasad, Asst.Prof, of CSE Department. The students of 2nd and 3rd year ECE and CSE have actively participated in different events in various colleges and won prizes.
2. Project proposals - “A Smart Agricultural Robot”, “Footstep Electricity” , and “Connected and Automated Vehicles” by III B.Tech. ECE students sent to eYantra Ideas Competition-2017.
3. “A Smart City using Internet of Things” by II & III B.Tech. ECE students, Exhibited in JNTUK Innovation Fair-2017.
4. “Metal Detection using Mobile Phone” by II & III B.Tech. ECE students, Submitted to MATLAB and Simulink Mobile Device Challenge-2017.

MOUS

- Our Commitment to Excellence is evident from endeavors in our many collaborative initiatives with eminent Universities, industry and community partners.
- The college has a prestigious MOU with IIT-Bombay “e-Yantra” project, for the establishment of collaborative Robotics LAB”.
- The college also has entered into MOU with “**Zenopsys**” Bangalore based software company with the aim of providing internships to students and also providing Faculty Improvement Programmes
- We have MOU with **ICT academy**, Chennai (Initiative of MHRD) to train faculty within and outside college in latest technologies and also provide internships and organise various events to the students.
- College has also been identified as „**Knowledge Center**’ in Krishna District, Andhra Pradesh by IIT Bombay - NMEICT, MHRD, Govt. of India for implementing Spoken Tutorial Software Training in all other institutes at district level. The MOU has been initiated by CSE department.
- We have MOU with BSNL to impart on campus training to electronics students in the field of “**Latest Telecom And Network Technologies**” to bridge the gap between academics and industry by exposing students practically to the real time environment.
- The college has MOU with the “Automation and Control Systems”, Pune for dissemination of the working knowledge on PLC & SCADA.
- The college also has an MOU with South Central Railway for CSE, ECE, EEE, & ME branches to do projects and undergo internships.
- The Department of Mech. Engg. Entered in to an MoU with Fututre NDT for conducting extension programmes and student recruitment

DEPARTMENTAL ACTIVITIES:

The institute is vibrant throughout the year by conducting many conferences, seminars, Workshops etc. for the benefit of the student. The details follow: A total no. of 40 such events have been conducted during 2017-18.

WORKSHOPS / GUEST LECTURES / INVITED TALKS / SESSIONS

ORGANIZED

All the departments of our college have organised various workshops, Invited talks and seminars to enhance the competency of the faculty and students in the current academic year.

S.No	Department	No of Seminars, Workshops, and invited talks
1	CE	2
2	EEE	4
3	ME	3
4	ECE	10
5	CSE	10
6	MBA	9
7	S&H	2
Total		40

JIGNASA 2018

The technical skills of our students were put to competitions during National level annual techno managerial festival called “JIGNASA” conducted on 10th January 2018. About 500 students from various Engineering colleges took part in this festival.

SPORTS AND GAMES

With the ideal objective of keeping students healthy and fit, PSCMR encourages sports & games . Our students have participated in various inter collegiate competitions and won various medals and prizes. Our Physical Director, Mr. M. Victor has organized sports and games to our students and faculty. Sports day has been celebrated on 03/03/2017. Sri. G. Pala Raju I.P.S., Deputy Commissioner of Police, Law and Order graced the occasion as the Chief Guest who gave away prizes to the winners.

A WORD OF THANKS

My sense of gratitude to all those who ensured the smooth functioning of the college by discharging properly the duties assigned to them. My special appreciation for the members of the faculty ,the technical staff, the administrative staff and the engineering department staff for their outstanding support and high level of team spirit without which the success I have reported here would not have been possible. My thanks are also to all my students for their exemplary behaviour in the campus and for their enthusiastic participation in all curricular and co-curricular activities in the campus. I wish all my final year students the best and request the alumni to extend their unbiased feedback to take this institution still to greater heights.

Thank you all for your patient listening.



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