



ISTE STUDENTS CHAPTER

MURUGAPPA POLYTECHNIC COLLEGE

Sathyamurthy Nagar, Chennai – 600 062



REPORT ON ISTE TAMILNADU SECTION SPONSORED
STATE LEVEL TECHNICAL PAPER PRESENTATION COMPETITION,
INTRA DEPARTMENTAL PROJECT COMPETITION & SCIENCE PROJECT COMPETITION

“CREATE 2019”

[Challenges in Recent and Emerging Advances of Technological Environment]

A state level technical paper presentation competition for Diploma Engineering students “CREATE 2019” was conducted on 22nd February 2019 at Murugappa Polytechnic College. The event is sponsored by ISTE Tamilnadu Section. The event brought together students from various polytechnic colleges across the state for sharing of knowledge in the emerging trends related to core branches of Engineering and for exhibiting their talents by presenting their papers.

Students papers were evaluated by a team of jury consist of an Industrial expert and an expert academican. The best papers were awarded with Cash prizes and certificates. A sum of Rs. 2,000/- as First Prize, Rs. 1,500/- as Second Prize and Rs. 1,000/- as Third Prize was awarded to the winner’s stream wise for paper presentation.

The projects were evaluated considering their new ideas, innovation, and execution of the ideas, their involvement and the student’s presentation skills. A sum of Rs. 1,000/- as First Prize, Rs. 750/- as Second Prize and Rs. 500/- as Third Prize was awarded to the department wise winners for projects. First year students participated in the Science Project Competition were also awarded cash prizes. Chief Guest for the Prize distribution function **Mr. M. CHANDRASEKARAN, I.O.F.S, Addl. General Manager, Engine Factory, Avadi, Ministry of Defence** distributed the cash prizes and Certificates to the winners of the competitions. The Chief Guest gave an insight about converting the papers into entrepreneurial ventures and motivated the students to become entrepreneurs.

Principal Dr. K.Sudhagar presided over the function and wished the participants and offered suggestions to the participants for their betterment.

The general feedback obtained from the participants, visitors, juries and department coordinators are encouraging.

A total of 74 papers and 88 projects were participated in the event including 42 papers from external polytechnic colleges and 33 Science projects by first year students participated.

The following experts were participated as judges to select the best papers, projects and motivated the student participants.

1. **Er. K. Madhiyazhagan**, Asst. Divisional Engineer (Highways), Avadi.
2. **Mr. S. Kuppuraj**, Asst. Technical Officer (Spl.Gr), University of Madras.
3. **Mr. A. Devapriyan**, Scientist E (Retd.), CVRDE
4. **Mr. C. Rajendra Reddy**, R&D Manager, Ms. Sertal Electronics (Pvt) Ltd.
5. **Mr. N. Selvanathan**, Sr. Engineer/ Production, Tube Products of India.

The papers from following 13 polytechnic colleges were participated in the paper presentation competition along with Murugappa Polytechnic College students.

1. VSVN Polytechnic College, Virudhunagar
2. Panimalar Polytechnic College, Aminjikarai
3. Sri DurgaDevi Polytechnic College, Kavarapettai
4. Thiagarajar Polytechnic College, Salem
5. AMK Technological Polytechnic College, Sembarambakkam, Chennai.
6. Thaimoogambigai Polytechnic College, Trichy
7. Periyar Centenary Polytechnic College, Vallam
8. Sri Ram Polytechnic College, Thiruvallur.
9. V. Ramakrishna Polytechnic College, Thiruvottiyur
10. S.A Polytechnic College, Paruthipattu
11. P.T.Lee C.N Polytechnic College, Chennai.
12. G.R.G Polytechnic College, Coimbatore
13. T.S.Srinivasan Polytechnic College, Vanagaram, Chennai.

The following are the list of papers won prizes in the Competition.

Stream/ Department	Category	Prize	Title of the Papers	Institution
Civil	External	I - Prize	Pre Fabricated Structures	Murugappa Polytechnic College, Avadi
		II - Prize	Submerged Floating Panel	Thiagarajar Polytechnic College, Salem
		III - Prize	Hazardous Waste Water Management	Murugappa Polytechnic College, Avadi
Computer	External	I - Prize	Voice Computing Technology – Current Scenario and future trend	V.Ramakrishna Polytechnic College, Thiruvottiyur
		II - Prize	Block Chain Technology	Murugappa Polytechnic College, Avadi
		III - Prize	Cognitive Analysis of Youtube using Hadoop & Map reduce frame work	Panimalar Polytechnic College, Aminjikarai
EEE	External	I - Prize	Autopilot System	Panimalar Polytechnic College, Aminjikarai
		II - Prize	Green Wifi	Thiagarajar Polytechnic College, Salem
		III - Prize	Paper Battery	Sri DurgaDevi Polytechnic College, Kavrapettai
ECE	External	I - Prize	Rcvd	Panimalar Polytechnic College, Aminjikarai
		II - Prize	Railway Track Monitor	Murugappa Polytechnic College, Avadi
		III - Prize	Transparent Electronics	Sri DurgaDevi Polytechnic College, Kavrapettai
MECH	External	I - Prize	Electro Plastic Fuel	Murugappa Polytechnic College, Avadi
		II - Prize	Augmented Reality	Thiagarajar Polytechnic College, Salem
		III - Prize	Fabrication For Multipurpose Devices For Protection Of Crops	Panimalar Polytechnic College, Aminjikarai

The following are the list of projects won prizes in the Intra-Department Level Project Competition.

Stream/ Department	Category	Prize	Title of the Papers	Institution
Civil	Internal	I - Prize	Sewage water treatment	MPC
		II - Prize	Potomology treatment plant	
		III - Prize	Future concrete technology	
Computer	Internal	I - Prize	Secured transaction in ATM using fingerprint	MPC
		II - Prize	Visual product identification for blind	
		III - Prize	Home automation system	
EEE	Internal	I - Prize	Water level indicator without contact	MPC
		II - Prize	ARDUINO based intelligent Greenhouse project	
		III - Prize	Automatic Floor Cleaner	
ECE	Internal	I - Prize	IOT based home automation system	MPC
		II - Prize	Agriculture eco system monitoring based on automatic sensor system	
		III - Prize	High speed and secure data transmission using PADC	
MECH	Internal	I - Prize	Conversion of Plastic into liquid fuel	MPC
		II - Prize	Design and fabrication of scrap yard separator	
		III - Prize	Design and fabrication of cooling tower	
Tool & Die Making	Internal	I - Prize	Design and fabrication of sheet metal bending machine	MPC
		II - Prize	Design and fabrication of hoverglide backpack	
		III - Prize	Design and fabrication of leaf cup producing machine	
Robotics	Internal	I - Prize	Hydraulic powered robotics arm	MPC
		II - Prize	Google assistance home automatic using IOT	
		III - Prize	Automatic grass cutter	

The following are the list of projects won prizes in the Science project Competition.

Stream/ Department	Category	Prize	Title of the Papers	Institution
General Engineering	Internal	I - Prize	ANT Robot	MPC
		II - Prize	Poor Man's Vacuum Cleaner	
		III - Prize	Obstacle avoider with Ultrasonic	

Thiru K.S.Sekar, Faculty Advisor-ISTE Students chapter and Tmt. S.Rajalakshmi, Incharge/General Engg with the team of ISTE Students Chapter office bearers made the arrangements for the event.
