



**P. A. COLLEGE OF ENGINEERING AND TECHNOLOGY**  
**POLLACHI, COIMBATORE - 642 002**  
**An Autonomous Institution**  
Accredited by NAAC with 'A' Grade  
Accredited by NBA (CSE, ECE, EEE & Mech)  
An ISO 9001:2015 Certified Institution



**RESEARCH AND DEVELOPMENT CELL**

**Research Activities – Science and Humanities**

**Conferences/Seminars/Workshops Organized:**

Sl. No.	Name of the Scheme	Funding agency	Title	Co-ordinators	Amount (Rs)	Year	Status
1.	Seminar	CSIR	Emerging nanotechnologies for Renewable Energy	Dr.G.Kottur Mrs.K.Ramya	15,000	2021	Conducted
2.	E-Seminar	CSIR	Statistical Analysis And Visualization of The Potential Cases of Pandemic Corona Virus	Dr.M.Yuvaraja Dr.K.Saritha	20,000	2021	Conducted
3.	Student Development Programme	TNSCST	Science Exhibition	Dr. M. Yuvaraja Mr. R.Karthick	15,000	2020	Conducted
4.	Webinar	PACET	Transforms and its Applications	Dr.M.Yuvaraja Dr.K.Saritha	-	2020	Conducted
5.	Webinar	PACET	Recent techniques in Applied and Computational Mathematics	Dr.M. Yuvaraja Dr.T.Gandhimathi	-	2020	Conducted
6.	Webinar	PACET	Recent Trends in Application of Mathematics	Dr.M.Yuvaraja Dr.A.Sangeetha Devi	-	2020	Conducted
7.	Webinar	PACET	A Glimpse of Nanomaterials	Dr.M.Yuvaraja Mr. P. Sivarama Prabhu	-	2020	Conducted

8.	Seminar	CSIR	Computational Fluid Dynamics : Research Tools for Analysis of Automotive Systems	Mr. M. Yuvaraja Mrs. K. Saritha	15,000	2019	Conducted
9.	Workshop	CSIR	Computational Methods in Multi Scale, Multi Uncertainty & Multi Dimensional Problems	Mr. M. Yuvaraja Mrs. K. Saritha	50,000	2019	Conducted
10.	Workshop	CSIR	Applications of the linear Algebra in Engineering Design Methodology	Mr.M.Yuvaraja Mrs.N.Arulkamatchi Mrs.D.Chithrakala	15,000	2019	Conducted
11.	Seminar	CSIR	Recent Mathematical Models for Space Information Processing and Analysis.	Mr. M. Yuvaraja Dr. T. Gandhimathi Dr. M. Rameshkumar	15,000	2019	Conducted
12.	Seminar	CSIR	Fuzzy Mathematical Modeling for Controlling Aircraft and Satellites.	Mr.M. Yuvaraja Dr.T.Gandhimathi	15,000	2019	Conducted
13.	Seminar	CSIR	Recent advanced technology for pollution prevention for clean and green environment	Dr.G.Kottur Mrs.K.Ramya	20,000	2019	Conducted
14.	Seminar	CSIR	Advanced energy storage system for automotive and power applications	Dr.G.Kottur Mrs.K.Ramya	45,000	2019	Conducted
15.	Seminar	CSIR	Design, Advanced Characterization of Next Generation Energy Technology Nanomaterials	Dr.G.Kottur Mrs.K.Ramya	20,000	2019	Conducted
16.	Workshop	CSIR	Recent Scientific and Technological Advancements of Mathematical Approaches in Inventive Science and Engineering	Mr.M.Yuvaraja Dr.A.Sangeetha Devi Dr.M.Rameshkumar	15,000	2019	Conducted

17.	Seminar	CSIR	Recent Trends in Graph Theory and Combinatorics	Mr.M.Yuvaraja Dr.A.Sangeetha Devi	15,000	2019	Conducted
18.	Conference	CSIR	Advanced Mathematical Modeling and Optimization Techniques for Scientific Inventive Research	Mr.M.Yuvaraja Dr.A.Sangeetha Devi	15,000	2019	Conducted
19.	Seminar	CSIR	Mathematical Model for Wireless Sensor Nodes Security	Mr. M. Yuvaraja Mrs. V. Bouthra Mrs. A. Priya	15,000	2019	Conducted
20.	Seminar	CSIR	A Multivariate Wind Power Fitting Model Based on Cluster Wavelet Neural Network	Mr.M.Yuvaraja Mrs. A. Priya Mrs.V.Bouthra	15,000	2019	Conducted
21.	Seminar	CSIR	A Model Predictive Control Approach to Microgrid Operation Optimization	Mr. M. Yuvaraja Mrs. A. Priya Mrs. V. Bouthra	15,000	2019	Conducted
22.	Seminar	CSIR	The Operating & Characteristics Research of Multifunctional Nano Materials and Devices Through Nanocrystals	Dr. V. Regina Delcy Mr. P. Sivarama Prabhu Mrs.C. Rajarajeswari	15,000	2019	Conducted
23.	Seminar	CSIR	New Trends in Research & Modelling of Crystal Growth & its Energy Applications	Dr. V. Regina Delcy Mr. P. Sivarama Prabhu Mrs. C. Rajarajeswari	20,000	2019	Conducted
24.	Seminar	CSIR	New Trends in Research of Energy Material and its Application	Dr. V. Regina Delcy Mr. P. SivaramaPrabhu Mrs. C. Rajarajeswari	20,000	2019	Conducted
25.	Conference	CSIR	Recent Research in Simulation for Crystal Growth & its Device Applications in Industries	Dr. V. Regina Delcy Mr. P. SivaramaPrabhu Mrs. C. Rajarajeswari	15,000	2019	Conducted

26.	Student Development Programme	TNSCST	Science Exhibition	Mr. M. Yuvaraja Mrs. N. Chithra Mr. A. Agatheeshwaren	15,000	2019	Conducted
27.	Conference	CSIR	Modern Mathematical Methods and High Performance Computing in Manufacturing and Industrial Engineering Systems	Mr. M. Yuvaraja Mrs. K. Saritha	20,000	2018	Conducted
28.	Workshop	ICMR	Mathematical Modeling And Numerical Simulation of the Cardiovascular System	Mr. M. Yuvaraja Mrs. K. Saritha	40,000	2018	Conducted
29.	Seminar	ICMR	Mathematical Modelling for Glucose - Insulin Regulatory System of Diabetes Mellitus	Mr. M. Yuvaraja Mrs. K. Saritha Mrs.D.Chithrakala	40,000	2018	Conducted
30.	Seminar	CSIR	Mathematical Modelling and Computational Methods Applied to Nuclear Science and Engineering	Mr. M. Yuvaraja Mrs. V. Bouthra Mrs. A. Priya	15,000	2018	Conducted
31.	Workshop	CSIR	Probabilistic Power Flow of Correlated Hybrid Wind – Photovoltaic Power Systems	Mr.M.Yuvaraja Mrs.D.Chithrakala Mrs.N.Arulkamatchi	25,000	2018	Conducted
32.	Seminar	ICMR	Mathematical Modelling of Three Dimensional Cell Culture and Bioreactors for Liver Toxicity Testing	Mr. M. Yuvaraja Dr. T. Gandhimathi Mrs. V. Bouthra	40,000	2018	Conducted
33.	Seminar	ICMR	Mathematical Modelling of Brain Tumor Detection Using Image Segmentation	Mr. M. Yuvaraja Dr. T. Gandhimathi Mrs. A. Priya	40,000	2018	Conducted

34.	Workshop	ICMR	Mathematical Modeling and Numerical Simulation of Brachial Plexus Injuries.	Mr.M.Yuvaraja Dr.T.Gandhimathi	40,000	2018	Conducted
35.	Seminar	CSIR	Mathematical Modeling of Cancer Growth and Treatment using Immunotherapy and Radiotherapy	Mr.M.Yuvaraja Dr.T.Gandhimathi Mrs.N.Arulkamatchi	30,000	2018	Conducted
36.	Seminar	ICMR	Modeling the Human Cardiovascular System: The Factors that Affects the Blood Flow Rate.	Mr.M.Yuvaraja Dr.A.Sangeetha Devi Mrs.D.Chithrakala	40,000	2018	Conducted
37.	Seminar	CSIR	Recent Trends in Modelling of Imaging Technology & Radiation Monitoring Devices in Industries	Dr. V. ReginaDelcy Mr. P. Sivarama Prabhu	20,000	2018	Conducted
38.	Conference	CSIR	Emerging Trends in Condensed Matter Physics and Modelling of New Material in Industrial World	Mr. M. Yuvaraja Dr. V. Regina Delcy	20,000	2018	Conducted
39.	Seminar	CSIR	Smart Nano photonics for Renewable Energy and Sustainability	Mr. M. Yuvaraja Dr. V. Regina Delcy Mrs. C. Rajarajeswari	30,000	2018	Conducted
40.	Seminar	ICMR	Trending Technology in Laparoscopy and Endoscopy	Dr. D. Prakash Mr.P. Sivarama Prabhu	40,000	2018	Conducted
41.	Seminar	CSIR	Applications of Carbon based Nanomaterials for Environmental Sustainability	Mrs. N. Chithra Mr. A. Agatheeshwaren Mrs. K. Ramya	20,000	2018	Conducted

42.	Seminar	ICMR	Current and Emerging Technology in Glucose Monitoring Sensors for clinical Applications	Mrs. N. Chithra Mr. A. Agatheeshwaren Mrs. K. Ramya	40,000	2018	Conducted
43.	Seminar	CSIR	Modelling and Scientific Computing in Mathematical Engineering	Mr.M. Yuvaraja Mrs. K. Saritha	20,000	2017	Conducted
44.	Workshop	CSIR	Mathematical and Computational Challenges in Radar and Seismic Technology	Mr. M. Yuvaraja Mrs. K. Saritha	50,000	2017	Conducted
45.	Seminar	CSIR	Recent Techniques in Fuzzy Image Processing and Neural networks	Dr.T.Gandhimathi Mrs.V. Bouthra	15,000	2017	Conducted
46.	Seminar	ICMR	Mathematical Morphology and Graph: Application to Interactive Medical Image Segmentation	Mr. M. Yuvaraja Dr. T. Gandhimathi Mrs. A. Priya	50,000	2017	Conducted
47.	Student Development Programme	TNSCST	Science Exhibition	Mr.M.Yuvaraja Mr.A.Agatheeshwaren Dr.G.Kottur	20,000	2017	Conducted
48.	Seminar	CSIR	Energy Applications of Nano Materials and Their Properties	Dr. V. Regina Delcy Mr. P. SivaramaPrabhu	20,000	2017	Conducted
49.	Seminar	CSIR	Recent Trends in Smart Materials for Advanced Engineering	Dr. V. Regina Delcy Mr.P. SivaramaPrabhu Ms. S. Vasuki	20,000	2017	Conducted
50.	Seminar	CSIR	Recent Trends in Thin Films Technology for Thicker Applications	Dr. V. Regina Delcy Ms. I. RajbunishaBanu Ms. S. Vasuki	10,000	2017	Conducted

51.	Seminar	CSIR	Trending Technology in gas sensors and solar panels	Dr. V. Regina Delcy Mr.P.SivaramaPrabhu	10,000	2017	Conducted
52.	Seminar	CSIR	Engineering Applications of Photonics using Lasers	Dr. V. Regina Delcy Ms. I. RajbunishaBanu Mrs. C.Rajarajeswari	15,000	2017	Conducted
53.	Seminar	ICMR	Medical Application of Advanced Engineering Materials	Dr. V. ReginaDelcy Mr .P. SivaramaPrabhu	40,000	2017	Conducted
54.	Seminar	CSIR	Applications of Nanomaterials in Agriculture and Crop Production	Mr. M. Yuvaraja Mrs. N. Chithra Mr. A .Agatheeshwaren	25,000	2017	Conducted
55.	Seminar	ICMR	Advanced Nano composites for Biomedical Applications	Mr. M. Yuvaraja Mrs. N.Chithra Mr. A. Agatheeshwaren	40,000	2017	Conducted
56.	Seminar	CSIR	Advanced Materials for Energy Storage Device	Dr. D. Prakash Mr. P. SivaramaPrabhu	40,000	2017	Conducted
57.	Seminar	CSIR	Soft Computing Techniques for Engineering Mathematics	Mrs.K.Saritha Dr. T. Gandhimathi	20,000	2013	Conducted
58.	Seminar	CSIR	Recent Techniques in Fuzzy Image Processing	Mrs.K.Saritha Dr. T. Gandhimathi	20,000	2013	Conducted
59.	Seminar	CSIR	Modeling and Building Blocks for Future Nano Electronics	Mrs. K. Saritha Mrs. V. Nirmala Devi	10,000	2013	Conducted
60.	Seminar	CSIR	Recent Trends in Mathematical Modelling and Simulation	Mrs.K.Saritha Dr. T. Gandhimathi	30,000	2012	Conducted