



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



VINAYAKA MISSION'S  
RESEARCH FOUNDATION  
(Deemed to be University under section 3 of the UGC Act 1956)



**DEPARTMENT OF MECHANICAL ENGINEERING**  
**4<sup>th</sup> NATIONAL CONFERENCE**  
**ON**  
**RECENT INNOVATIONS AND ADVANCED TRENDS IN**  
**MECHANICAL ENGINEERING**  
**NCRIATME 2022**  
**30<sup>th</sup> June 2022**

The Department of Mechanical Engineering-Aarupadai Veedu Institute of Technology (AVIT) organized 4<sup>th</sup> National Conference on Recent Innovations and Advanced Trends In Mechanical Engineering- NCRIATME 2022 on 30<sup>th</sup> June 2022. The primary objective of the conference is to provide a common platform for the researchers, young budding PG and UG pursuing Students and Faculty members. Mr.P.Kumaraswamy, Senior Manager- Engineering, Salcomp Manufacturing India Pvt Ltd, Sriperumbudur delivered the inaugural address and Guest of Honour Mr.A.J.Venktesh Prabhu, Manager- Engineering Salcomp Manufacturing India Pvt Ltd, Sriperumbudur delivered the special address. Dr.G.Selvakumar, Principal, AVIT delivered the presidential address and conveyed his wishes to the participants. Formerly, Prof.L.Prabhu, Head, Dept. of Mechanical Engg., & VP(Admin),AVIT, Convenor- NCRIATME 2022 welcomed the delegates and Dr.M.Prabhakar, Professor, Dept. of Mechanical Engg., AVIT, Co-Convenor- NCRIATME 2022 briefed the motto of conference. Prof.S.Kalyanakumar, Asst.Prof (Gr-II),Dept. of Mechanical Engg., AVIT, Organising Secretary, NCRIATME 2022 enlightened the audience about the guests profile. Dr.D.Vijendra Babu, Vice-Principal (Part Time Studies) and Dr.S.P.Sangeetha, Vice-Principal (Academics) felicitated the event. As a remarkable event, the Conference proceedings-Digital version was released by the guests of the day. The inaugural session was curtailed with vote of thanks from Prof.P.Kumaran, Asst.Prof. (Gr-II),, Dept. of Mechanical Engg., Organising Secretary, NCRIATME 2022. Around 102 papers were selected for conference presentations that were conducted in four sessions with key note address from eminent speakers. The sessions were categorized according to the different themes of conference. Along with regular offline session, an exclusive online session was also conducted for few delegates who were unable to participate in person to the conference. All the sessions were chaired by eminent

academicians. Apart from the session wise best papers award, overall best papers with cash prize was also declared. The first prize of Rs. 3000/- was won by the paper titled “Combined Performance Study On Solar Operated E-Vehicle” authored by Mr.Dhayalan K, Mr.Ganesh J, Mr.Kannan M of K.C.G College of Technology. The second prize of Rs. 2000/- and third prize of Rs.1000/- were bagged by the paper titled “A Study on Employee Retention with Reference to an MSME organization” authored by Mr.Balaganapathy Perambur Sambandan, Ms.G. Nandhitha of Department of Management,AVIT and “ANN Based Predictive Modeling and RSM Based Optimisation of Mechanical Behaviours of Two Layeres Coir Epoxy” authored by Mr.PonvelMurugan of Pandian Saraswathi Yadav Engineering College,Sivagangai respectively. The prizes were announced in the valedictory session held on 30<sup>th</sup> June 2022 presided by Dr.G.Selvakumar, Principal, AVIT. Prof.L.Prabhu, Head, Dept. of Mechanical Engg., & VP (Admin), AVIT, Convenor- NCRIATME 2022 delivered the welcome address and Prof.J.Senthil, Assoc. Prof. , Dept. of Mechanical Engg., AVIT, Co-Convenor- NCRIATME 2022 presented the conference report and Prof.M.Saravanan, Asst. Prof., Dept. of Mechanical Engg., AVIT, Organising Secretary- NCRIATME 2022 delivered the vote of thanks. The conference was well co-ordinated by the conference organizing committee, Faculty Members of the department. The conference has certainly provided avenues for newer ideas, processes, techniques and technologies, collaborations and innovations. As a memoir of the conference with Go Green as theme, saplings were planted by the students and Faculty Members of the department at college campus.



M54H+JFP, Tamil Nadu 603104, India

Latitude 12.65688972°	Longitude 80.17868952°
Local 10:38:59 AM GMT 05:08:59 AM	Altitude -70.5 meters Thursday, 30-06-2022

Note : NCRIATME 2K22 - AVIT



M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Latitude 12.6568137°	Longitude 80.17910745°
Local 10:19:40 AM GMT 04:49:40 AM	Altitude -96.22 meters Thursday, 30-06-2022

Note : National Conference - AVIT



M54H+WMM, Karunguzhipallam, Tamil Nadu 603104, India

Latitude 12.6570297°	Longitude 80.1794408°
Local 12:27:56 PM GMT 06:57:56 AM	Altitude -83.9 meters Thursday, 30-06-2022

Note : NCRIATME 2022-Conference-Session 1



M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Latitude 12.65680416°	Longitude 80.17933865°
Local 02:42:22 PM GMT 09:12:22 AM	Altitude -83.61 meters Thursday, 30-06-2022

Note : NCRIATME 2022-ONLINE SESSION



