

**PANIMALAR ENGINEERING COLLEGE**  
**STUDENT CONFERENCE PUBLICATIONS – 2025-2026**

S.NO	Student Name	PAPER TITLE	NAME OF THE AUTHORS	Name of the Conference
1	Aravindhan R, Aravinth Arasu D, Harish Kumar K, Nagaarvinth N	A Critical Review on Mechanical Properties of Synthetic Fiber Reinforced Polymer Composite Laminates	Aravindhan R, Aravinth Arasu D, Harish Kumar K, Nagaarvinth N Murugan R, Karthikeyan L	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
2	K.M. Keerthi Ramanaa, J. Jeeva, R. Prasanna, S. Manoj Kumar	A Critical Review on Free Vibrational Characteristics of Natural Fiber Reinforced Polymer Composite Laminates	K.M. Keerthi Ramanaa, J. Jeeva, R. Prasanna, S. Manoj Kumar L. Karthikeyan, R. Murugan,	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
3	Abdul Rawoof.H, Vinoth.K, Bhavanidharan.T,	Design and Analysis of High Precision Plasma Cutting System Using Magnetic Arc Control	Abdul Rawoof.H, Vinoth.K, Bhavanidharan.T, R. Saravanan L. Karthikeyan	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
4	K.M. Keerthi Ramanaa, M. Kishore Kumar, K. Pranav, R. Madhankumar, E. Rogitkumar,	Investigation of Drilling-Induced Delamination in Carbon/Glass Hybrid Composite Laminates Using Taguchi Experimental Design	K.M. Keerthi Ramanaa, M. Kishore Kumaar, K. Pranav, R. Madhankumar, E. Rogitkumar, R. Murugan, L. Karthikeyan	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26

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<b>5</b>	Hariharan E, Sri Sathuguru Paramathma V, Umapathy V, Sakthivel P,	A Critical Review on Mechanical Properties of Reinforced Polymer Composite Laminates made of Natural Fibers	Hariharan E, Sri Sathuguru Paramathma V, Umapathy V, Sakthivel P, Murugan R, Karthikeyan L	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
<b>6</b>	Gokulraj V, Naveen Kumar D, Manoj Kumar M, Kathiravan N,	A Critical Review on Free Vibrational Characteristics of Synthetic Fiber Reinforced Polymer Composite Laminates	Gokulraj V, Naveen Kumar D, Manoj Kumar M, Kathiravan N, Murugan R, Karthikeyan L	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
<b>7</b>	Avinash, Raghavendra, Blesswin, Raja Karthikeyan K,	Data-Driven Online Prognostics for Machine Health Monitoring in Digital Manufacturing	Avinash, Raghavendra, Blesswin, Raja Karthikeyan K, Puviyarasan M, Karthikeyan L	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
<b>8</b>	Pragadeeswar L , Suresh R , Rahul Ganesh A. U, Subhashanraj P	Mechanical and Operational Characteristics of Pneumatic Feed Drilling Machine	N. Nithyanandan , Pragadeeswar L , Suresh R , Rahul Ganesh A. U, Subhashanraj P	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26

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<b>9</b>	Shreyas S, Vishal K N, Sanjay S, Sudhakaran S.	Design and Analysis of Scissor Jack	Nithyanandan N, Shreyas S, Vishal K N, Sanjay S, Sudhakaran S.	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
<b>10</b>	Mathiyazhagan S, Dharansurendar S S, Rahul M J, Jaya Surya S,	IoT-Based Hierarchical Solar Array Monitoring System (HSAMS) of Real-time Panel-Level Fault Detection with ESP32 and INA219 Sensors	Mathiyazhagan S, Dharansurendar S S, Rahul M J, Jaya Surya S, Puviyarasan M.	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
<b>11</b>	Sujith E, Devadharshan S, Ramkumar S, Ashok Kumar K, Sakthi Kumar P,	Digital Twin Assisted Monitoring and Optimization of Fused Deposition Modeling (FDM) Additive Manufacturing Process	Sujith E, Devadharshan S, Ramkumar S, Ashok Kumar K, Sakthi Kumar P, Puviyarasan M	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
<b>12</b>	G.Yuvaraj, Yaswanth.U, Surya.R , Sathya Narayanan.V	Enhancement of performance and emission characteristics of neat palm biodiesel with enriched hydrogen	K.Thiruselvam, G.Yuvaraj, Yaswanth.U, Surya.R , Sathya Narayanan.V	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26

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<b>13</b>	Rishit Bhuvan B M, Rajasekar D, Vishwa K, Santhosh Kumar M	Analysis of performance and emission characteristics of biodiesel using cotton seed oil with cerium oxide nanoparticles	K.Thiruselvam, Rishit Bhuvan B M, Rajasekar D, Vishwa K, Santhosh Kumar M	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
<b>14</b>	Agathiy A, Anand Raj R, Anthony Francis N, Adhi Kesavan V Adhi Subramani I.	Design and Analysis of Tee Joint in FDM 3d Printer Using PLA Material	Anbarasu. A, Agathiy A, Anand Raj R, Anthony Francis N, Adhi Kesavan V Adhi Subramani I.	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
<b>15</b>	Michael Megus M, Prathish B, Siraan Abdul Razack S, Anbumani V, Angnilo Berlins K	Portable Air Filtration and Pollution Control Unit for Urban Environments	K.R.Padmavathi, Michael Megus M, Prathish B, Siraan Abdul Razack S, Anbumani V, Angnilo Berlins K	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
<b>16</b>	I. Kevin Robert, S. Sathish kannan, M. Kishore, S. Gokulnath	Comparative Analysis of Spur Gear Drive Made of Same Material and Different Material	G. Senthilkumar, I. Kevin Robert, S. Sathish kannan, M. Kishore, S. Gokulnath	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26

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17	V. Thamizh Nilavan, L. Hariharan, M. Kesavan, P. Pozhilan	Optimization of Process Parameters on TIG Welded AISI 409 Stainless Steel	G. Senthilkumar, V. Thamizh Nilavan, L. Hariharan, M. Kesavan, P. Pozhilan	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
18	Rishi Madhan, Rahul A, Krishnasamy N, Saran M,	Analysis and Optimization of Car Seat Frame to Increase Safety Measures	Rishi Madhan, Rahul A, Krishnasamy N, Saran M, Naveen K	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
19	M. Harish, B Shanmuganathan, D Logeshwaran,	Mechanical Performance Evaluation of Hybrid Composite Woven Ring Joints	M. Harish, B Shanmuganathan, D Logeshwaran, I. John Solomon, B. Prabhu	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26

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20	J Bharath, D Subramaniam, G Surendar, S Surendar	Comparative Finite Element Analysis of Epoxy Resin Reinforced Laminated Composite Plates Using Glass and Basalt with Different Fiber Orientations	P Iyyan Paramanandam, J Bharath, D Subramaniam, G Surendar, S Surendar	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
21	R.Harish, S.NaveenKarthik, M.Madhan Kumar,	Influence of Stitching on the Impact Resistance of Fiber-Reinforced Epoxy Laminates	R.Harish, S.NaveenKarthik, M.Madhan Kumar, J.Gunasekaran, J.Murugesan	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
22	V.J.Bharaneedharan, Niwin Solomon W	Synthesis and Mechanical Characterization of Aluminium 6061–Graphite Composites via Stir Casting	Louies Praveen S, Senthil Kumar P, Saravanan R , V.J.Bharaneedharan, Niwin Solomon W	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26

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23	M.Guhan, E. Kavimani, K.S.Vignesh, P.Anish	Mechanical Characterization and Vibration Analysis of Flax Fiber and Rice Husk Reinforced Polymer Composites: A Review	S.Santhosh Kumar, M.Guhan, E. Kavimani, K.S.Vignesh, P.Anish	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26
24	Vikram R, Ilaiyarasan M, Sunil P, Santhosh Kumar S	Design and Analysis of Hybrid Manufacturing of Go-Kart Tires	S.DhanaSekar , Vikram R, Ilaiyarasan M, Sunil P, Santhosh Kumar S	9 <sup>th</sup> International Conference for Phoenixes on Emerging Current Trends in Engineering and Management PECTEAM-2K26