

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

**School of Mechanical Sciences**  
**Department of Aerospace Engineering**

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
1.	Dr. Magesh. M Asst. Prof. (Sr. Gr.)	<a href="mailto:magesh.m@crescent.education">magesh.m@crescent.education</a>	AS/24/06	<ul style="list-style-type: none"> <li>Aircraft navigation and guidance</li> <li>UAV and MAV design</li> <li>Aircraft systems and Instrumentation</li> </ul>	3	<a href="https://crescent.education/mr-m-magesh-aerospace/">https://crescent.education/mr-m-magesh-aerospace/</a>
2.	Dr. P. N. Kadiresh Professor	<a href="mailto:kadiresh@crescent.education">kadiresh@crescent.education</a>	AS/14/03	<ul style="list-style-type: none"> <li>Solid/Hybrid Propellants</li> <li>High Speed Jet</li> <li>Heat Transfer</li> <li>Combustion</li> <li>Alternative Fuels</li> </ul>	7	<a href="https://crescent.education/dr-p-n-kadiresh-aerospace/">https://crescent.education/dr-p-n-kadiresh-aerospace/</a>
3.	Dr. R. Karunanithi Associate Professor	<a href="mailto:karunanithi@crescent.education">karunanithi@crescent.education</a>	ME/16/20	<ul style="list-style-type: none"> <li>Metal Matrix Composite Biomaterials</li> <li>Materials Characterization of Alloys</li> <li>Corrosion Engineering</li> <li>Microstructure-property correlation and wear behaviour of Al alloys</li> </ul>	4	<a href="https://crescent.education/dr-r-karunanithi/">https://crescent.education/dr-r-karunanithi/</a>
4.	Dr. S. Karthikeyan Asst. Prof.	<a href="mailto:karthikmeaero@crescent.education">karthikmeaero@crescent.education</a>	AS/23/05	<ul style="list-style-type: none"> <li>Low Speed flow analysis</li> <li>Materials and alloy Characteristics</li> <li>Design optimisation of aerodynamic bodies</li> <li>Metal Matrix Composite Characteristics</li> <li>Emission control in automobile vehicles</li> </ul>	4	<a href="https://crescent.education/mr-s-karthikeyan-aerospace/">https://crescent.education/mr-s-karthikeyan-aerospace/</a>

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

**Department of Automobile Engineering**

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
1.	Dr. P.D. Jeyakumar Associate Professor	<a href="mailto:pdjeyakumar@crescent.education">pdjeyakumar@crescent.education</a>	ME/16/19	<ul style="list-style-type: none"> <li>Vehicle Dynamics</li> <li>Automotive Materials</li> <li>Finite Element Analysis</li> </ul>	4	<a href="https://crescent.education/dr-p-d-jeyakumar-automobile/">https://crescent.education/dr-p-d-jeyakumar-automobile/</a>
2.	Dr. S. Rasool Mohideen Professor	<a href="mailto:dean.sms@crescent.education">dean.sms@crescent.education</a>	ME/09/08	<ul style="list-style-type: none"> <li>Welding Metallurgy</li> <li>Wire Arc Additive Manufacturing</li> <li>Cryogenic Treatment of Metals</li> <li>Fracture analysis</li> <li>Robot Kinematics</li> </ul>	7	<a href="https://crescent.education/mechanical-department-2/">https://crescent.education/mechanical-department-2/</a>
3.	Dr. T.R. Tamilarasan Associate Professor	<a href="mailto:tamilarasan.tr@crescent.education">tamilarasan.tr@crescent.education</a>	ME/16/22	<ul style="list-style-type: none"> <li>Surface Engineering</li> <li>Electroless nano Composite Coatings</li> <li>Composite Materials</li> <li>Tribology, Corrosion &amp; Adhesion</li> <li>Characteristics of Engg. Materials &amp; Coatings</li> <li>Material Characterization</li> </ul>	5	<a href="https://crescent.education/dr-t-r-tamilarasan-automobile-2/">https://crescent.education/dr-t-r-tamilarasan-automobile-2/</a>
4.	Dr. C. K. Arvinda Pandian Asst. Prof. (Sr. Gr.)	<a href="mailto:arvind4me87@crescent.education">arvind4me87@crescent.education</a>	AU/23/04	<ul style="list-style-type: none"> <li>Electroless nano Composite Coatings</li> <li>Composite Materials Tribology, Corrosion &amp; Adhesion</li> <li>Characteristics of Engg. Materials &amp; Coatings</li> <li>Material Characterization</li> </ul>	4	<a href="https://crescent.education/dr-c-k-arvinda-pandian-automobile/">https://crescent.education/dr-c-k-arvinda-pandian-automobile/</a>
5.	Dr. C. Dinesh Kumar Asst. Prof. (Sr. Gr.)	<a href="mailto:dineshauto@crescent.education">dineshauto@crescent.education</a>	AU/21/03	<ul style="list-style-type: none"> <li>Electric Vehicle Technology</li> <li>Vehicle Dynamics</li> <li>Automotive Safety</li> <li>Vehicle Control Systems</li> </ul>	3	<a href="https://crescent.education/dr-c-dineshkumar-automobile/">https://crescent.education/dr-c-dineshkumar-automobile/</a>

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

- Automotive Engines & Technology

**Department of Mechanical Engineering**

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
1.	Dr. A.S. Selvakumar Professor	<a href="mailto:selvakumar@crescent.education">selvakumar@crescent.education</a>	ME/13/12	<ul style="list-style-type: none"> <li>• Metal Forming Processes</li> <li>• Sheet and Tube Hydroforming processes</li> <li>• Advanced Welding processes</li> </ul>	8	<a href="https://crescent.education/dr-a-s-selvakumar-mechanical/">https://crescent.education/dr-a-s-selvakumar-mechanical/</a>
2.	Dr. H. Siddhi Jailani Professor	<a href="mailto:jailani@crescent.education">jailani@crescent.education</a>	ME/13/13	<ul style="list-style-type: none"> <li>• Composite Materials</li> <li>• Powder Metallurgy</li> <li>• Machining</li> <li>• Tribology</li> <li>• Image Processing</li> </ul>	6	<a href="https://crescent.education/dr-h-siddhi-jailani/">https://crescent.education/dr-h-siddhi-jailani/</a>
3.	Dr. V. Muralidharan Associate Professor	<a href="mailto:muralidharan@crescent.education">muralidharan@crescent.education</a>	ME/14/16	<ul style="list-style-type: none"> <li>• Condition Based Maintenance &amp; Monitoring</li> <li>• Fault diagnosis and Prognosis</li> <li>• Predictive Analytics</li> <li>• Signal Analysis</li> <li>• Wavelet Analysis</li> </ul>	6	<a href="https://crescent.education/dr-v-muralidharan-mechanical/">https://crescent.education/dr-v-muralidharan-mechanical/</a>

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
4.	Dr. M. A. Sai Balaji Associate Professor	<a href="mailto:saibalaji@crescent.education">saibalaji@crescent.education</a>	ME/15/17	<ul style="list-style-type: none"> <li>Friction material (formulation and testing)</li> <li>Development of Ebonite products</li> <li>Optimization Techniques</li> </ul>	3	<a href="https://crescent.education/dr-m-a-sai-balaji-mechanical/">https://crescent.education/dr-m-a-sai-balaji-mechanical/</a>
5.	Dr. M. Thirumurugan Associate Professor	<a href="mailto:thirumurugan@crescent.education">thirumurugan@crescent.education</a>	ME/16/21	<ul style="list-style-type: none"> <li>Material Science and Manufacturing Biomaterials</li> <li>Polymers</li> <li>Metal forming</li> <li>Composites</li> </ul>	5	<a href="https://crescent.education/dr-m-thirumurugan-mechanical/">https://crescent.education/dr-m-thirumurugan-mechanical/</a>
6.	Dr. S. Mohamed Ilyas Associate Professor	<a href="mailto:illyas@crescent.education">illyas@crescent.education</a>	ME/21/30	<ul style="list-style-type: none"> <li>Heat Transfer</li> <li>Computational Fluid Dynamics</li> <li>Renewable energy</li> </ul>	5	<a href="https://crescent.education/dr-s-mohamed-illyas-mechanical/">https://crescent.education/dr-s-mohamed-illyas-mechanical/</a>

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
7.	Dr. A. Arockia Julias Associate Professor	<a href="mailto:ajulias@crescent.education">ajulias@crescent.education</a>	ME/17/23	<ul style="list-style-type: none"> <li>• Composite Materials</li> <li>• Mechanical Characterization</li> <li>• Biodegradable Materials</li> </ul>	3	<a href="https://crescent.education/dr-a-arockia-julias-mechanical/">https://crescent.education/dr-a-arockia-julias-mechanical/</a>
8.	Dr. S. Jeavudeen Associate Professor	<a href="mailto:sjeavudeen@crescent.education">sjeavudeen@crescent.education</a>	ME/21/31	<ul style="list-style-type: none"> <li>• Non Traditional Machining (EDM)</li> <li>• Environmental friendly dielectric</li> <li>• Advanced Optimization Techniques</li> <li>• Ergonomics</li> </ul>	5	<a href="https://crescent.education/dr-s-jeavudeen-mechanical/">https://crescent.education/dr-s-jeavudeen-mechanical/</a>
9.	Dr. Mahashar Ali Associate Professor	<a href="mailto:mahashar@crescent.education">mahashar@crescent.education</a>	ME/21/34	<ul style="list-style-type: none"> <li>• Metal Cutting Measurement</li> <li>• Image processing</li> <li>• Condition Monitoring</li> <li>• Computer Aided Design</li> </ul>	5	<a href="https://crescent.education/dr-j-mahashar-ali-mechanical/">https://crescent.education/dr-j-mahashar-ali-mechanical/</a>

**OFFICE OF DEAN (Academic Research)**  
*(Empowering CRESCENT through Exemplary Research)*

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
10.	Dr. N. Ravikumar Asst. Prof. (Sr. Gr.)	<a href="mailto:ravikumar@crescent.education">ravikumar@crescent.education</a>	ME /23/41	<ul style="list-style-type: none"> <li>Nonlinear analysis (Hydroforming and hyperelastic material simulation)</li> <li>Modeling and simulation of dynamic mechanical systems.</li> <li>Computation fluid dynamics.</li> <li>Polymer flow simulation.</li> <li>Machine Learning, Additive Manufacturing.</li> </ul>	4	<a href="https://crescent.education/mr-n-ravikumar-mechanical/">https://crescent.education/mr-n-ravikumar-mechanical/</a>
11.	Dr. D. Pradeep Kumar Asst. Prof. (Sr. Gr.)	<a href="mailto:pradeep@crescent.education">pradeep@crescent.education</a>	ME/24/43	<ul style="list-style-type: none"> <li>Vibration-based Tool Condition Monitoring</li> <li>Tool Wear Assessment using Image Processing</li> <li>Machinery Fault Diagnosis</li> <li>Energy Estimation in Conventional Metal Cutting Processes</li> <li>Evaluation of Surface Surface Roughness using Vision system</li> </ul>	3	<a href="https://crescent.education/mr-d-pradeep-kumar-mechanical/">https://crescent.education/mr-d-pradeep-kumar-mechanical/</a>

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
12.	Dr. Varunkumar A Asst. Prof. (Sr. Gr.)	<a href="mailto:varunkumar@crescent.education">varunkumar@crescent.education</a>	ME/24/42	<ul style="list-style-type: none"> <li>• Welding Processes</li> <li>• Additive Manufacturing</li> <li>• Vibration</li> <li>• Machine Learning</li> <li>• High Entropy Alloys &amp; Heusler Alloys</li> </ul>	4	<a href="https://crescent.education/mr-a-varunkumar-mechanical/">https://crescent.education/mr-a-varunkumar-mechanical/</a>
13.	Dr. MD. Javeed Ahmed Asst. Prof. (Sr. Gr.)	<a href="mailto:javeedahmed@crescent.education">javeedahmed@crescent.education</a>	ME/23/36	<ul style="list-style-type: none"> <li>• Natural fibers</li> <li>• Tribology</li> <li>• Materials</li> <li>• Brake pad</li> <li>• Material Characterization</li> </ul>	3	<a href="https://crescent.education/dr-md-javeed-ahamed-mechanical/">https://crescent.education/dr-md-javeed-ahamed-mechanical/</a>
14.	Dr. Sivakumar. C Asst. Prof. (Sr. Gr.)	<a href="mailto:sivakumar@crescent.education">sivakumar@crescent.education</a>	ME/25/44	<ul style="list-style-type: none"> <li>• Viscoelastic Damping</li> <li>• Composite Materials</li> <li>• Vibration Monitoring and Control</li> </ul>	4	<a href="https://crescent.education/mr-c-sivakumar-mechanical/">https://crescent.education/mr-c-sivakumar-mechanical/</a>
15.	Dr. K. Asrar Ahmed Asst. Prof. (Sr. Gr.)	<a href="mailto:asrarahmed@crescent.education">asrarahmed@crescent.education</a>	ME/23/38	<ul style="list-style-type: none"> <li>• Brake Friction Composites</li> <li>• Optimization Techniques</li> </ul>	3	<a href="https://crescent.education/k-asrar-ahmed-mechanical/">https://crescent.education/k-asrar-ahmed-mechanical/</a>
16.	Dr. K. Sathickbasha Asst. Prof. (Sr. Gr.)	<a href="mailto:sathick.basha@crescent.education">sathick.basha@crescent.education</a>	ME/23/35	<ul style="list-style-type: none"> <li>• Tribology</li> <li>• Composite Materials</li> <li>• Solid Lubricants</li> <li>• Machine Design</li> </ul>	3	<a href="https://crescent.education/dr-k-sathickbasha-mechanical/">https://crescent.education/dr-k-sathickbasha-mechanical/</a>

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
17.	Dr. N. Sirajudeen Asst. Prof. (Sr. Gr.)	<a href="mailto:sirajudeen@cresecent.education">sirajudeen@cresecent.education</a>	ME/23/39	<ul style="list-style-type: none"> <li>• Metal matrix composite</li> <li>• Stir casting</li> <li>• Characterization of materials</li> <li>• Nano materials</li> <li>• Powder metallurgy</li> </ul>	3	<a href="https://cresecent.education/dr-n-sirajudeen-mechanical/">https://cresecent.education/dr-n-sirajudeen-mechanical/</a>
18.	Dr. Syed Shaul Hameed Asst. Prof. (Sr. Gr.)	<a href="mailto:syedshaulhameed@cresecent.education">syedshaulhameed@cresecent.education</a>	ME/23/40	<ul style="list-style-type: none"> <li>• Fault Diagnosis</li> <li>• Machine Learning</li> <li>• Wavelet Analysis</li> <li>• Condition Monitoring</li> <li>• Vibration Analysis</li> </ul>	4	<a href="https://cresecent.education/mr-syed-shaul-hameed-mechanical/">https://cresecent.education/mr-syed-shaul-hameed-mechanical/</a>
19.	Dr. M. Pervaz Ahmed Asst. Prof. (Sr. Gr.)	<a href="mailto:pervaz@cresecent.education">pervaz@cresecent.education</a>	ME/20/28	<ul style="list-style-type: none"> <li>• Material Sciences Cryogenic Treatment</li> <li>• EDM</li> <li>• WAAM</li> <li>• Tribology</li> </ul>	3	<a href="https://cresecent.education/dr-m-pervaz-ahamed-mechanical/">https://cresecent.education/dr-m-pervaz-ahamed-mechanical/</a>



**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
20.	Dr. M. Abdur Rahman Asst. Prof. (Sr. Gr.)	<a href="mailto:abdurrahman@crescent.education">abdurrahman@crescent.education</a>	ME/23/37	<ul style="list-style-type: none"> <li>• Composite materials</li> <li>• Heat treatment of Alloys</li> <li>• Corrosion</li> <li>• Tribology</li> <li>• Aluminum alloys</li> </ul>	3	<a href="https://crescent.education/dr-m-abdur-rahman-mechanical/">https://crescent.education/dr-m-abdur-rahman-mechanical/</a>
21.	Dr. Serajul Haque Asst. Prof. (Sr. Gr.)	<a href="mailto:serajulhaque@crescent.education">serajulhaque@crescent.education</a>	ME/17/24	<ul style="list-style-type: none"> <li>• Metal Matrix Composites Synthesis and Characterization</li> <li>• Ergonomics and Human Factor Engineering</li> <li>• Manufacturing System simulation</li> <li>• Product design, Process planning and control</li> <li>• Method design, work measurement and Workplace design</li> </ul>	4	<a href="https://crescent.education/dr-serajul-haque-mechanical/">https://crescent.education/dr-serajul-haque-mechanical/</a>
22.	Dr. A. Muthu Manokar Asst. Prof. (Sr. Gr.)	<a href="mailto:muthumanokar@crescent.education">muthumanokar@crescent.education</a>	ME/20/26	<ul style="list-style-type: none"> <li>• Solar still desalination</li> <li>• Solar PV</li> <li>• Solar water heater</li> <li>• Heat transfer</li> <li>• Energy storage material</li> </ul>	1	<a href="https://crescent.education/dr-a-muthu-manokar-mechanical/">https://crescent.education/dr-a-muthu-manokar-mechanical/</a>

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
23.	Dr. S. Ravikumar Asst. Prof. (Sr. Gr.)	<a href="mailto:ravikumars@crescent.education">ravikumars@crescent.education</a>	ME/20/29	<ul style="list-style-type: none"> <li>• Condition Monitoring and Fault Diagnosis</li> <li>• Machine Learning and Deep learning</li> <li>• Design engg</li> <li>• Industrial Engineering, Total Quality management, Lean six sigma projects</li> </ul>	3	<a href="https://crescent.education/dr-ravikumar-mechanical/">https://crescent.education/dr-ravikumar-mechanical/</a>
24.	Dr. K. Mohamed Bak Assistant Professor	<a href="mailto:mohamedbak@crescent.education">mohamedbak@crescent.education</a>	ME/20/27	<ul style="list-style-type: none"> <li>• Composite Materials</li> <li>• Material Characterization Techniques</li> <li>• Design and Structures</li> </ul>	2	<a href="https://crescent.education/dr-mohamed-bak-kamaludeen-mechanical/">https://crescent.education/dr-mohamed-bak-kamaludeen-mechanical/</a>

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

**Department of Polymer Engineering**

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
1.	Dr. S. Shamshath Begum Associate Professor	<a href="mailto:sshamshath@crescent.education">sshamshath@crescent.education</a>	PT/16/04	<ul style="list-style-type: none"> <li>Polymer - Natural, Synthetic, Sustainable Nanocomposites</li> <li>Polymer Recycling - Pyrolysis of Polymeric Waste (Crump Rubber and Plastic Waste) - Energy Recovery - Solid and Wastewater Treatment - Microalgae Applications</li> <li>Self-healing - Rubbers, Vibration Damping</li> <li>Flame Retardant Polymeric Materials – Flexible Foams</li> <li>Bioplastics – Biodegradable Composites - Flexible Packaging Materials – Single Use Plastic</li> </ul>	4	<a href="https://crescent.education/dr-s-shamshath-begum-polymer/">https://crescent.education/dr-s-shamshath-begum-polymer/</a>
2.	Dr. J. Shahitha Parveen Asst. Prof. (Sr. Gr.)	<a href="mailto:shahithaji@crescent.education">shahithaji@crescent.education</a>	PT/23/05	<ul style="list-style-type: none"> <li>Plastic and Rubber Nanocomposites</li> <li>Polymer electrolytes and electrodes for energy storage devices</li> <li>Polymer Hydrogels for 3D Printing</li> <li>Biodegradable Plastics</li> <li>Polymer Membranes for Fuel Cell</li> </ul>	2	<a href="https://crescent.education/dr-j-shahitha-parveen-polymer/">https://crescent.education/dr-j-shahitha-parveen-polymer/</a>

**OFFICE OF DEAN (Academic Research)**  
 (Empowering CRESCENT through Exemplary Research)

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 26.02.2025)	Faculty Home Page
3.	Dr. Basanta Kumar Behera Asst. Prof. (Sr. Gr.)	<a href="mailto:bkbehera@crescent.education">bkbehera@crescent.education</a>	PT/24/06	<ul style="list-style-type: none"> <li>Additive Manufacturing (3D printing)</li> <li>Preparation and Characterization of Plastic and Rubber Composites</li> <li>New biodegradable polymer product design and validation</li> <li>Polymer Processing - Optimization of processing parameters by Design of Experiment</li> <li>Solid Waste Management</li> </ul>	4	<a href="https://crescent.education/mr-basanta-kumar-behera-polymer/">https://crescent.education/mr-basanta-kumar-behera-polymer/</a>