

OFFICE OF DEAN (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 30.09.23)	Faculty Home Page for more information
1.	Dr. P. N. Kadiresh Professor	kadiresh@crescent.education	AS/14/03	<ul style="list-style-type: none"> • Solid/Hybrid Propellants • High Speed Jet • Heat Transfer • Combustion • Alternative Fuels 	5	https://crescent.education/university/schools/school-of-mechanical-science/department-of-aerospace-engineering/faculty-info/faculty-members/dr-p-n-kadiresh/
2.	Dr. Sri Nithya Mahottamananda Asst. Prof. (Sel. Gr.)	mahoaero@crescent.education	AS/23/04	<ul style="list-style-type: none"> • Hybrid Rocket propulsion • Green and Sustainable propulsion systems • Rocket Propulsion and propellant Combustion • Solid fuel ramjet engine • Methane-Oxygen combustion 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-aerospace-engineering/faculty-info/faculty-members/dr-sri-nithya-mahottamananda/
3.	Dr. S. Karthikeyan Asst. Prof.	karthikmeaero@crescent.education	AS/23/05	<ul style="list-style-type: none"> • Low Speed flow analysis • Materials and alloy Characteristics • Design optimisation of aerodynamic bodies • Metal Matrix Composite Characteristics • Emission control in automobile vehicles 	4	https://crescent.education/university/schools/school-of-mechanical-science/department-of-aerospace-engineering/faculty-info/faculty-members/dr-s-karthikeyan/

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Department of Automobile Engineering

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn No.	Area of Expertise	Vacancy (as of 30.09.23)	Faculty Home Page for more information
1.	Dr. P.D. Jeyakumar Associate Professor	pdjeyakumar@crescent.education	ME/16/19	<ul style="list-style-type: none"> Vehicle Dynamics Automotive Materials Finite Element Analysis 	3	https://crescent.education/university/schools/school-of-mechanical-science/departments/departments-of-automobile-engineering/faculty-info/faculty-members/dr-p-d-jeyakumar/
2.	Dr. T.R. Tamilarasan Associate Professor	tamilarasan.tr@crescent.education	ME/16/22	<ul style="list-style-type: none"> Surface Engineering Electroless nano Composite Coatings Composite Materials Tribology, Corrosion & Adhesion Characteristics of Engg. Materials & Coatings Material Characterization 	5	https://crescent.education/university/schools/school-of-mechanical-science/departments/departments-of-automobile-engineering/faculty-info/faculty-members/dr-t-r-tamilarasan/
3.	Dr. C. K. Arvinda Pandian Asst. Prof. (Sr. Gr.)	arvind4me87@crescent.education	AU/23/04	<ul style="list-style-type: none"> Electroless nano Composite Coatings Composite Materials Tribology, Corrosion & Adhesion Characteristics of Engg. Materials & Coatings Material Characterization 	4	https://crescent.education/university/schools/school-of-mechanical-science/departments/departments-of-automobile-engineering/faculty-info/faculty-members/dr-c-k-arvinda-pandian/
4.	Dr. C. Dinesh Kumar Asst. Prof. (Sr. Gr.)	dineshauto@crescent.education	AU/21/03	<ul style="list-style-type: none"> Electric Vehicle Technology Vehicle Dynamics Automotive Safety Vehicle Control Systems Automotive Engines and Technology 	3	https://crescent.education/university/schools/school-of-mechanical-science/departments/departments-of-automobile-engineering/faculty-info/faculty-members/dr-c-dineshkumar/

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Department of Mechanical Engineering

S. No.	Name of the Supervisor and Designation	Email Id	Supervisor Recogn. No.	Area of Expertise	Vacancy (as of 30.09.2023)	Faculty Home Page for more information
1.	Dr. H. Siddhi Jailani Professor	jailani@crescent.education	ME/13/13	<ul style="list-style-type: none"> Composite Materials Powder Metallurgy Machining Tribology Image Processing 	5	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-h-siddhi-jailani/
2.	Dr. A.S. Selvakumar Professor	selvakumar@crescent.education	ME/13/12	<ul style="list-style-type: none"> Metal Forming Processes Sheet and Tube Hydroforming processes Advanced Welding processes 	8	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-a-s-selvakumar/
3.	Dr. S. Rasool Mohideen Professor	dean.sms@crescent.education	ME/09/08	<ul style="list-style-type: none"> Welding Metallurgy Wire Arc Additive Manufacturing Cryogenic Treatment of Metals Fracture analysis Robot Kinematics 	5	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-

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						info/faculty-members/dr-s-rasool-mohideen/
4.	Dr. V. Muralidharan Associate Professor	muralidharan@crescent.education	ME/14/16	<ul style="list-style-type: none"> Condition Based Maintenance & Monitoring Fault diagnosis and Prognosis Predictive Analytics Signal Analysis Wavelet Analysis 	4	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-v-muralidharan/
5.	Dr. M. A. Sai Balaji Associate Professor	saibalaji@crescent.education	ME/15/17	<ul style="list-style-type: none"> Friction material (formulation and testing) Development of Ebonite products Optimization Techniques 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-m-a-sai-balaji/
6.	Dr. R. Karunanithi Associate Professor	karunanithi@crescent.education	ME/16/20	<ul style="list-style-type: none"> Metal Matrix Composite Biomaterials Materials Characterization of Alloys Corrosion Engineering Microstructure-property correlation and wear behaviour of Al alloys 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-r-karunanithi/

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7.	Dr. M. Thirumurugan Associate Professor	thirumurugan@crescent.education	ME/16/21	<ul style="list-style-type: none"> Material Science and Manufacturing Biomaterials Polymers Metal forming Composites 	2	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-m-thirumurugan/
8.	Dr. S. Mohamed Illyas Associate Professor	illyas@crescent.education	ME/21/30	<ul style="list-style-type: none"> Heat Transfer Computational Fluid Dynamics Renewable energy 	5	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-s-mohamed-illyas/
9.	Dr. A. Arockia Julias Associate Professor	ajulias@crescent.education	ME/17/23	<ul style="list-style-type: none"> Composite Materials Mechanical Characterization Biodegradable Materials 	2	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-a-arockia-julias/

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10.	Dr. Mahashar Ali Associate Professor	mahashar@crescent.education	ME/21/34	<ul style="list-style-type: none"> • Metal Cutting Measurement • Image processing • Condition Monitoring • Computer Aided Design 	5	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-j-mahashar-ali/
11.	Dr. S. Jeavudeen Asst. Prof. (Sel. Gr.)	sjeavudeen@crescent.education	ME/21/31	<ul style="list-style-type: none"> • Non Traditional Machining (EDM) • Environmental friendly dielectric • Advanced Optimization Techniques • Ergonomics 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-s-jeavudeen/
12.	Dr. B. Surya Rajan Asst. Prof. (Sel. Gr.)	suryarajan@crescent.education	ME/21/33	<ul style="list-style-type: none"> • Tribology of Materials • Brake Friction Materials • Material characterization • Optimization techniques and Machine Learning • Finite element Analysis 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-surya-rajan-b/

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13.	Dr. MD. Javeed Ahmed Asst. Prof. (Sr. Gr.)	javeedahmed@crescent.education	ME/23/36	<ul style="list-style-type: none"> Natural fibers Tribology Materials Brake pad Material Characterization 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-md-javeed-ahmed/
14.	Dr. K. Asrar Ahmed Asst. Prof. (Sr. Gr.)	asrarahmed@crescent.education	ME/23/38	<ul style="list-style-type: none"> Brake Friction Composites Optimization Techniques 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-k-asrar-ahmed/
15.	Dr. K. Sathickbasha Asst. Prof. (Sr. Gr.)	sathick.basha@crescent.education	ME/23/35	<ul style="list-style-type: none"> Tribology Composite Materials Solid Lubricants Machine Design 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-k-sathickbasha/

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16.	Dr. N. Sirajudeen Asst. Prof. (Sr. Gr.)	sirajudeen@crescent.education	ME/23/39	<ul style="list-style-type: none"> • Metal matrix composite • Stir casting • Characterization of materials • Nano materials • Powder metallurgy 	4	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-n-sirajudeen/
17.	Dr. Syed Shaul Hameed Asst. Prof. (Sr. Gr.)	syedshaulhameed@crescent.education	ME/23/40	<ul style="list-style-type: none"> • Fault Diagnosis • Machine Learning • Wavelet Analysis • Condition Monitoring • Vibration Analysis 	4	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-syed-shaul-hameed/
18.	Dr. M. Pervaz Ahmed Asst. Prof. (Sr. Gr.)	pervaz@crescent.education	ME/20/28	<ul style="list-style-type: none"> • Material Sciences Cryogenic Treatment • EDM • WAAM • Tribology 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-m-pervaz-ahmed/

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19.	Dr. M. Abdur Rahman Asst. Prof. (Sr. Gr.)	abdurrahman@crescent.education	ME/23/37	<ul style="list-style-type: none"> Composite materials Heat treatment of Alloys Corrosion Tribology Aluminum alloys 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-m-abdur-rahman/
20.	Dr. Serajul Haque Asst. Prof. (Sr. Gr.)	serajulhaque@crescent.education	ME/17/24	<ul style="list-style-type: none"> Metal Matrix Composites Synthesis and Characterization Ergonomics and Human Factor Engineering Manufacturing System simulation Product design, Process planning and control Method design, work measurement and Workplace design 	2	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-serajul-haque/
21.	Dr. A. Muthu Manokar Asst. Prof. (Sr. Gr.)	muthumanokar@crescent.education	ME/20/26	<ul style="list-style-type: none"> Solar still desalination Solar PV Solar water heater Heat transfer Energy storage material 	1	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-a-muthu-manokar/

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22.	Dr. S. Ravikumar Asst. Prof. (Sr. Gr.)	ravikumars@crescent.education	ME/20/29	<ul style="list-style-type: none"> Condition Monitoring and Fault Diagnosis Machine Learning and Deep learning Design engg Industrial Engineering, Total Quality management, Lean six sigma projects 	3	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-s-ravikumar/
23.	Dr. D. R. Rajendran Assistant Professor	rajendrandr@crescent.education	ME/21/32	<ul style="list-style-type: none"> Design and Performance on Solar Dish Cavity Receiver Nanofluids Computational Fluid Dynamics 	4	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-d-r-rajendran/
24.	Dr. K. Mohamed Bak Assistant Professor	mohamedbak@crescent.education	ME/20/27	<ul style="list-style-type: none"> Composite Materials Material Characterization Techniques Design and Structures 	2	https://crescent.education/university/schools/school-of-mechanical-science/department-of-mechanical-engineering/faculty-info/faculty-members/dr-mohamed-bak-kamaludeen/

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Department of Polymer Engineering

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1.	Dr. S. S. M. Abdul Majeed Professor	director.admissions@crescent.education	PT/09/03	<ul style="list-style-type: none"> Polymer Nanocomposites for High Voltage Insulation Polymers for Energy Storage Biodegradable and Sustainable Polymers Hybrid Polymeric Coatings for Corrosion Resistance Fire Retardant and Heat resistant Polymers 	5	https://crescent.education/university/schools/school-of-mechanical-science/departments/polymer-engineering/faculty-info/faculty-members/dr-s-s-m-abdul-majeed/
2.	Dr. S. Shamshath Begum Associate Professor	sshamshath@crescent.education	PT/16/04	<ul style="list-style-type: none"> Polymer - Natural, Synthetic, Sustainable Nanocomposites Polymer Recycling - Pyrolysis of Polymeric Waste (Crump Rubber and Plastic Waste) - Energy Recovery - Solid and Wastewater Treatment - Microalgae Applications Self-healing - Rubbers, Vibration Damping Flame Retardant Polymeric Materials – Flexible Foams Bioplastics – Biodegradable Composites - Flexible Packaging Materials – Single Use Plastic 	2	https://crescent.education/university/schools/school-of-mechanical-science/departments/polymer-engineering/faculty-info/faculty-members/dr-s-shamshath-begum/

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3.	Dr. J. Shahitha Parveen Asst. Prof. (Sr. Gr.)	shahithaji@crescent.education	PT/23/05	<ul style="list-style-type: none"> • Plastic and Rubber Nanocomposites • Polymer electrolytes and electrodes for energy storage devices • Polymer Hydrogels for 3D Printing • Biodegradable Plastics • Polymer Membranes for Fuel Cell 	4	https://crescent.education/university/schools/school-of-mechanical-science/department-of-polymer-engineering/faculty-info/faculty-members/dr-j-shahitha-parveen/