ETERNAL ROBOTICS

Inventors of the world’s first painting robot

BEGIN YOUR DISRUPTIVE JOURNEY

RECRUITMENT BRIEF
WHO WE ARE
Welcome to the disruptive world of Eternal Robotics, world’s first intelligent home painting robots. Eternal Robotics Private Limited, previously known as Endless Robotics was incorporated in 2015, a brainchild of four engineer friends who studied together at BITS Pilani specializing in Mechanical, Chemical and Electronics engineering.

The company was formed based on 3 years of extensive R&D in mobile robotics encompassing multi-disciplinary technology development in electronics, mechanical, software and computer vision domains. The company’s development philosophy revolves around building Visual Intelligence through Computer vision, Motion control through Control Systems and Mechanism designs through Mechatronics.

OUR VISION
To create intelligent collaborative robots and software programming systems to safeguard and improve the quality of work and life for humans all over the world.

OUR MISSION
To design and develop robotics and AI technology-based products and solutions for the automation and simplification of the processes that are hazardous, exhausting and menial to human work.
OUR USP
Increase the profits and productivity for the construction industry by utilizing disruptive AI and robotics technology. At Eternal Robotics the focus is always on enhancing human productivity and improving the quality and precision of paint jobs.

Our first product - WALT, is the world’s first automated wall painting robot for construction, real estate and industries that has been conceptualized, designed, manufactured in India and will be deployed across the globe.

Our philosophy is to build a future where robotics and AI technology can make a positive impact in all walks of people’s lives.

ABOUT MOJAY
Mojay was founded, created and nurtured by Sunil Kumar Singh, a technocrat with over 18 years of proprietary technology experience.

We look to constantly add value to our diverse stakeholders and bring about a new way of end-user engagement.

We are currently headquartered in Dubai, focusing on 8 key verticals:
- Consulting
- Investments
- Lifestyle Luxury Limousines
- Entertainment
- Robotics
- Technology
- Real Estate
- Hospitality
We thrive on the following core values

What is in it for the future associates of Eternal Robotics

1. Work in a true entrepreneurial environment
2. Don’t be afraid to put on the table all your disruptive and creative thought leadership from a disruptive technology/idea’s perspective
3. Be a part of the “inventor” team and be acclaimed as the initial team who created the first painting robot of the world
4. Engage in a true eccentric and high intellect team where your “intelligence” will be challenged constantly
5. Mojay being a true entrepreneur incubation center, post the launch of WALT the team members can present new disruptive ideas to start the next disruption
6. Horizontal and vertical growth opportunity in and outside of India
HOLDING

MBD Engineer

<table>
<thead>
<tr>
<th>Department</th>
<th>Mechanical Engineering</th>
<th>Business Unit</th>
<th>ER</th>
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<tbody>
<tr>
<td>Reports To</td>
<td>Senior Mechanical Engineer</td>
<td>Location</td>
<td>Hyderabad</td>
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Purpose of the role
To design and develop mechanisms for new and existing products.

Key Job Responsibilities
- Conduct modeling of multiple body dynamics (MBD), electronic and control systems, and their mutual interactions
- Work with multi-disciplinary engineers to understand physical test set up, suggest data to be collected and instrumentation setup, post process data and correlate test data to simulation data
- Collaborate with design teams to provide solutions for system level issues
- Document methodologies used, write reports, and provide design direction in all the stages of development

Qualification, Experience & Skills
- Bachelor’s/Master’s degree in Mechanical Engineering/ any field related to multi body dynamics
- 3+ Years of Experience on developing electromechanical systems
- Strong knowledge of Kinematics, dynamics and mathematical concepts
- Should be well versed with the MBD softwares like ADAMS, MATLAB, SIMULINK, etc.
- Familiar with SOLIDWORKS, CREO, Hyperworks
- Past Experience in developing any electromechanical, hydraulics, pneumatic systems
- Basic Programming skills in python, C, C++ etc.
- Good Problem solving skills

Key Performance Areas
- Development and testing robust mechanisms
- Timely execution of project timelines
- Ownership of the sub-system right from concept, design, development, component selection, prototype, test and document
- Accountable for understanding the dependencies in multi disciplinary system and dealing with it in an optimized way