Internship Notification Form, IIT Delhi

About Organisation

Name of Company:	Jaguar Land Rover Technology and Business Services India Limited
Date of Establishment:	2024-07-17
Number of Employees:	600
Social Media Page Link:	www.jaguar.com
Website:	www.jaguar.com
Type of Organization:	Private
Nature of Business:	Core Engineering & Technology

Internship Profile

Job Title:	Mechatronics Intern
Job Description:	Mechanical and Mechatronics are at the heart of majority of the most complex engineering we do. In the world of automotive design and manufacturing, a Graduate Mechanical Engineer Trainee (GMET) plays a key role. Our mechanical engineering graduate program has been designed to be just as inspiring as the cars you'll help produce. The program is an accelerated program for engineers to develop a broad exposure as well as depth in mechanical engineering through innovative projects, intense technical & leadership training and mentorships to build world class engineers. You will experience different disciplines such as Body & Chassis Systems Engineering, Climate System, Lighting System, Vehicle Dynamics & Control, Powertrain and Vehicle Engineering, and be involved in Virtual Development using advance simulation tools. The core role of the engineer is to create, integrate and release systems, components and vehicles - and so the GMET position demands a dynamic individual who can adapt to a constantly changing environment, executing and successfully delivering time-constrained automotive mechanical intensive programs of work. You will be an integral part of contributing to JLR's next generation electric vehicle programs and innovative mechatronic solutions working in cross-functional engineering development teams. Join us in this pioneering area and it will be your ideas and expertise that forms part of our product range that sets the benchmark for automotive innovation across the globe. As an intern you will be matched with an experienced engineer who will mentor you for the duration of internship. You will have an opportunity to influence the evolution of JLR products. Your design and innovative

evolution of JLR products. Your design and innovative mindset will contribute to solving some of the most complex technical challenges in the area of dynamics and control; system and logic architecture development; process automation; benchmarking, data analysis, etc.

What to expect?
We want to develop you to become a world class engineer and we believe that the best development will be from working on live programmes so you'll be able make tangible, strategic contributions to the company's success right from the start of your career - by being involved in developing and delivering engineering solutions to our vehicles working with mentors at the forefront of their field who will make sure that you get the growth needed. The program will be for 2 years.

As a Mechatronics Intern you will work in or with different departments within Product Engineering (e.g., Vehicle Dynamics, Lighting Systems, Body & Chassis CAE, Chassis & Motion Control Systems, Climate Systems, Vehicle Architecture, etc.) or within Electric Powertrain (e.g., E-Machine, Electric Drive Unit, Inverter, Charging system, HFMS, Battery etc.). What we can assure is you will remain intellectually engaged - always!

Who we are looking for:
Our cars are the embodiment of our approach to life. We believe in making every day extraordinary; that life is about feelings, not just figures. We feel the same about the people we hire.
First, you need to be passionate and motivated to contribute to the business growth and on-going success. Beyond that, we value resilience, a sense of responsibility, a willingness to learn, keen problem-solving skills and the ability to work with others.
Our people are amongst the most talented in their field. Working alongside them, you'll play your part in developing advanced products in a company that's committed to building on every aspect of its success.
We're looking for individuals who have taken the time to think about who we are and what we're looking for. Our selection process is aimed at showcasing the best of your skills, expertise and personality.

Key Performance Indicators:
• Willingness and ability to learn
• Work seamless in teams within and outside JLR (e.g., Hardware Partners, Suppliers)
• Ability to work independently
• Communication skills
• Work discipline

Key Accountabilities and Responsibilities:
• Provide support to create, integrate and deliver reliable electro-mechanical/mechanical engineering components/systems
• Integrate electrical and mechanical systems to realise automotive functions
• Develop and execute innovative electro-mechanical concepts for new product lines
• Develop software and procedures to control automotive tasks
• Design and prototype mechatronic devices with motors, solenoids, gears, sensors and springs test case development for coverage and functional testing of

development for coverage and functional testing of automotive applications
• Work with a multi-disciplinary engineering development team that includes application engineering, controls engineering, mechanical design, control hardware design, and test/validation in an Agile fashion.
• Keep informed on emerging new technologies to advance our architecture/technologies to support current and forward model vehicle programs.
• Design and execute test cases for unit, function, subsystem testing and acceptance testing
• Benchmark and optimize the performance of new and existing units
• Adhere to department's quality targets and participate in best practice discussions
• Undertake any other work as directed by line manager as may be requested from time to time

Knowledge, Skills and Experience:

Essential:
• Pursuing B.Tech or Dual Degree in Mechanical, Aerospace, Engineering Design etc.
Students should be in their
• Minimum 6.5 CPI
Have a passion for electric mobility and automotive engineering
• Working knowledge of the principles of mechanical and mechatronics engineering.
• Exposure to Matlab/Simulink environments
• Basic software debugging skills
• Effective technical documentation skills
• Creativity and a willingness to learn
• Excellent technical and problem-solving skills
• Excellent communication and teamwork skills
• High level of self-motivation
• Keen interest in new technology development

Personal Profile:

Essential:
• Demonstrated excellent academic and leadership during school and college education
• Electronics related experience during Internship
• Freely and proactively shares knowledge with others
• Displays a proactive willingness to volunteer for work elements / projects outside job scope where the individual can contribute, and it is a company priority
• Acts with freedom to take on and resolve technical challenges

Minimum No. of Hires:	1
Expected No. of Hires:	1
Location(s)/Place of Posting/Online:	Bengaluru
Skillset:	Mechanical
Minimum CGPA:	6.5
Students with backlog eligible:	No

Selection Process

Resume Shortlist:	Yes
Mode of Selection:	Hybrid
Resume shortlisting before test?:	Yes
Test:	Yes
Mode of Test:	Online
Test duration (minutes):	120
Aptitude/Psycometric:	Yes
Technical:	Yes
Group Discussion:	No
Personal Interview:	No
Technical Round:	Yes
HR Round:	No
Medical Test:	No

Eligible Academic Programs

Diversity Recruiting:	No
Eligible Years:	Graduating in 2026 (Pre-Final Year Students) - B.Tech / Dual / Master's
Eligible Departments:	B.Tech in Engineering and Computational Mechanics, B.Tech in Materials Engineering, B.Tech in Mechanical Engineering, B.Tech in Production & Industrial Engineering

Stipend Details

Stipend (per month) (In INR Per Month):	100,000 INR Per Month
Accommodation:	yes
Provision of PPO based on performance?	Yes
Tentative CTC for PPO select:	2,100,000 INR Per Annum