

Company : Jaguar Land Rover India Limited
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Nature Of Business : Engineering

Designation : GRADUATE ELECTRONICS ENGINEER TRAINEE (GEET)

Tentative Job Location : Bangalore

Power Electronics, Electric Drives & Controls is are the key discipline areas in the development of hybrid and electric vehicles. Members of this Team will engage in the design and development of HV Architecture components for our Hybrids and EVs, namely:

- i. Traction eMachine and Inverter (the 'eDRIVE')
- ii. eDRIVE Controls development

iii. Electrification Electronics (incl. Vehicle Chargers, DCDC converters and Battery Management Systems)

Our engineering graduate rotation program has been designed to be just as inspiring as the cars you'll help produce. This is an accelerated program for engineers to develop a broad exposure as well as depth in Power Engineering (Power Electronics, eMachines and Controls) through innovative projects, intense technical & leadership trainings and mentorships. You will rotate through different vehicle components such as the eMachine control unit and battery management system. In doing so, you will gain exposure to the various Power Electronics & eDRIVE components along the V-model.

The engineer will typically plot out the various aspects of the tasks that will be necessary, usually using design documentation and flowcharts to help illustrate the process. You will be an integral part of shaping JLR's next generation vehicle programs. In this role, you will contribute to the mission of delivering most innovative solutions in the field. You will be part of the team that drives product strategy and collaborate closely with engineering development and cross-functional teams to define and deliver on the next vehicle programs. Join us in this pioneering area, and it will be your ideas and expertise setting the benchmark for automotive innovation across the globe. Final Placement upon successful completion graduate program shall be based on requirements, performance and individual's aspiration.

GEET role demands dynamic individual who can adapt to constantly changing environment, executing and successfully delivering time constrained and intensive automotive programs. Working closely with numerous cross functional teams, partners and supplier groups is key.

What to expect?

The duration of the rotation is flexible depending upon the business needs and individual interests. The program will be for 2 years with typical projects being up to 6 to 8 months in duration.

You will get a chance to work with mentors who are at the forefront of their field. JLR believes the best training can be had, when you are working on live programs. You will have an opportunity to make tangible, strategic contributions to the company's success -pretty much right from the day 1.

The graduates will rotate through different departments within vehicle engineering. What we can assure is you will remain intellectually engaged - always!

Who we are looking for:

Description : 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

- i. Willingness and ability to learn
- ii. Work seamless in teams within and outside JLR (e.g., Hardware Partners, Suppliers, Universities)
- iii. Ability to work independently
- iv. Communication skills
- v. Work discipline

Key Accountabilities and Responsibilities

- i. Lead the design activity of High Voltage components including
 - if° eMachines & Inverters
 - if° Chargers & DCDC Converters
 - if° Battery Management Electronics
 - if° Controller development
- ii. Test case development for coverage and functional testing of automotive applications
- iii. 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
- iv. The candidate should have the willingness to travel within India and overseas if required for training /competency building /Product testing/Problem solving
- v. Keep informed on emerging new technologies to advance our architecture/technologies to support current and forward model vehicle programs
- vi. Collaborate with cross-discipline teams to design, develop and test power electronics & eDrives
- vii. Design and execute test cases for unit, function, subsystem testing and acceptance testing
- viii. Benchmark and optimize the performance of new and existing units
- ix. Adhere to department's quality targets and participate in best practice discussions

	Program	AE	BS	BE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	CGS	HSS	EEM	MSP	NET	PSE	Stats
Eligibility :	BT	No	No		No	No	No	Yes	--	No	No	--	--	--	--	--	--	--	--	--	--	--	--	--
	BS	--	--		--	--	--	--	No	--	--	No	No	No	No	--	--	--	--	--	--	--	--	--
	MT	No	No		No	No	No	No	No	No	No	--	--	--	--	--	No	--	--	No	No	No	No	--
	DoubleMajor	No	No		No	No	No	Yes	--	No	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dual	No	No		No	No	No	Yes	No	No	No	No	No	No	No	--	--	--	--	--	--	--	--	--
	dualB	No	No		No	No	No	Yes	--	No	No	No	No	No	No	--	No	--	--	No	--	No	No	--
	dualC	No	No		No	No	No	Yes	No	No	No	No	No	No	No	No	No	--	--	--	--	--	--	--
	Mdes	--	--		--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--	--
	MBA	--	--		--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--
	Phd	No	No		No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No
	MSc	--	--		--	--	--	--	--	--	No	No	No	--	--	--	--	--	--	--	--	--	--	No
	MSR	No	No		No	No	No	No	--	No	No	--	--	--	--	--	--	No	--	--	--	--	No	--

Cost to Company : CTC: INR 20,00,316

Annual Fixed Pay: INR 1785996 (Including Taxes)

Annual Performance pay: INR 214319.52 (Indicative figure)

Package Details : Annual Medical benefit: INR 3,30,000 (Over and above CTC)

Annual Food coupon: INR 13,200 (Over and above CTC)

Bond : False
CPI CutOff : 0.0

Medical Requirments :

Resume Shortlist : True

Resume Shortlist Criteria: Min CGPA 6.5

Aptitude Test: True

Aptitude Test N/A

Duration: False

Group Discussion: True

Technical Test: N/A

Duration: True

Technical Interview: N/A

Duration: 1

Number of Techincal Interview Rounds: False

HR Interview: Additional Information: