

Training & Placement Office

T&P Office/Notice/21-22/044

Date: 21 September 2021

Job announcement of Efftronics Systems Pvt. Ltd.

Efftronics Systems would like to recruit engineering graduates of 2022, for the roles of 1. **Embedded Engineer** 2. **IoT Engineer** 3. **Software Engineer** 4. **Platform Developer** and 5. **Data Scientist**. For the eligibility criteria and other details go through the notification then the eligible students apply for the interested roles at **TnP Portal**, by 23-09-2021.

Notification

Function	Role	Qualification	Pay scale
R&D	Embedded Engineer	B. E. / B. Tech. /M. Tech. (EEE,	3.7 Lakh CTC p.a.
	IoT Engineer	ECE, EIE, IoT)	7.08 Lakh CTC p.a.
	Software Engineer	B. E. / B. Tech. / M. Tech. (CSE,	3.7 Lakh CTC p.a.
	Platform Developer	IT, IoT)	7.08 Lakh CTC p.a.
	Data Scientist	All Circuit Branches / MSc	7.08 Lakh CTC p.a.

The **hiring process** will include Initial Screening through Written Test followed by Technical, HR and Medical Rounds.

- Students selected for the offered job roles will have **first-hand opportunity to work with the latest technologies & platforms** and be a part of the team working to solve complex problems in India which will impact millions of people directly.
- They will be closely nurtured in digital technologies and will be exposed to complete solution development life-cycle unlike other companies. This will build a solid foundation for students to have a robust and long career.

Below given the Job Description, and Knowledge and Capabilities required for each position

#1 Embedded Engineer

Job Role: The primary purpose of Embedded Engineer is to implement and test IoT based smart solutions and deliver outcomes within scope, quality, time, and cost constraints. Explore and evaluate new technologies, implement algorithms, develop test plans, and perform system testing.

Job Responsibilities:

- Work as a part of product development team to develop IoT based smart products and solutions.
- Work hands-on with all aspects of research and development in identifying, exploring, and evaluating new technologies
- Follow Product Development Life-Cycle, generate work products – Design, Code, Test Plans, Test Reports, Manuals etc.
- Implement Algorithms
- Act as interface with R&D, production, and business arms to support customer project needs

Key Requirements:

- Minimum of 70% throughout their academics
- Good Knowledge of Analog Electronics

- Sound understanding of Digital Systems – Proficient in truth table and state machine approaches
- Must be exceptionally good in C- Programming, testing/debugging and in advanced C-concepts like pointers, structures, unions, interrupts etc.)
- Proficient in usage of data structures as per program needs and shall be able to write algorithms
- Proficient in ARM micro controllers and peripheral like - RS232, RS485, I2C, SPI, Ethernet, Bluetooth, Wi-Fi, ZigBee etc.
- Good knowledge about sensors and static characteristics
- Should be able to understand datasheets, its parameters and consideration of them in design
- Should be able to reverse engineer circuits / programs
- Good Knowledge of using IDE tools like Keil MDK ARM
- Good Knowledge of using Measuring instruments and tools – Digital Multimeter, CRO, Function generators etc.
- Excellent mathematical skills.
- Good written and verbal communication skills
- Hands-on knowledge on MSOFFICE tools.

Capability	Embedded Engineer
Visualization	*****
Subject	*****
Taste	******
Analogical Reasoning	*****
Determination	*****
Learning	*****

#2 IoT Engineer

Job Role: The primary purpose of IoT Engineer is to design; implement and test IoT based smart solutions and deliver outcomes within scope, quality, time, and cost constraints. Explore and evaluate new technologies, design & develop device drivers, implement algorithms, develop test plans, and perform system testing.

Job Responsibilities:

- • Work as a part of product development team to develop IoT based smart products and solutions.
- • Work hands-on with all aspects of research and development in identifying, exploring, and evaluating new technologies
- • Follow Product Development Life Cycle; generate work products – Design, Code, Test Plans, Test Reports, and Manuals etc.
- • Build Algorithms
- • Act as interface with R&D, production, and business arms to support customer project needs

Key Requirements:

- Minimum of 70% throughout their academics
- Good Knowledge of Analog Electronics
- Sound understanding of Digital Systems – Proficient in truth table and state machine approaches
- Must be exceptionally good in C- Programming, testing/debugging and in advanced C-concepts like pointers, structures, unions, interrupts etc.)
- Proficient in usage of data structures as per program needs and shall be able to write algorithms
- Proficient in ARM microcontrollers and peripheral like - RS232, RS485, I2C, SPI, Ethernet, Bluetooth, Wi-Fi, ZigBee etc.
- Good knowledge about sensors and static characteristics
- Should be able to understand datasheets, its parameters and consideration of them in design
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- Good Knowledge of using IDE tools like Keil MDK ARM
- Good Knowledge of using Measuring instruments and tools – Digital Multimeter, CRO, Function generators etc.
- Excellent mathematical skills.
- Good written and verbal communication skills
- Hands-on knowledge on MSOFFICE tools.

Capability	IoT Engineer
Visualization	*****
Subject	*****
Taste	*****
Analogical Reasoning	*****
Determination	*****
Learning	*****

#3 Software Engineer | Platform Developer

Job Role: The primary purpose of Software Engineer is to implement and test IoT based platforms/applications and deliver outcomes within scope, quality, time, and cost constraints. Explore and evaluate new technologies, develop Desktop/Web/Mobile Apps, implement algorithms, develop test plans, and perform system testing.

Job Responsibilities:

- Work as a part of product development team to develop IoT based smart products and solutions.
- Work hands-on with all aspects of research and development in translating requirements, designs, wireframes into high quality code by collaboration with designers, engineers, senior managers etc.
- Follow Product Development Life Cycle, generate work products – Design, Code, Test Plans, Test Reports, Manuals etc.
- Implement Algorithms
- Act as interface with R&D, production, and business arms to support customer project needs

Key Requirements:

- Minimum of 70% throughout their academics
- Good understanding of Digital Systems – Proficient in truth table and state machine approaches
- Proficient in programming either of Java, .Net, JavaScript, C#
- Proficient in writing algorithms using data structures as per program needs
- Sound understanding of software architectures
- Strong understanding of object-oriented design (OOD) and software development principles
- Strong understanding of computer architecture and operating system
- Sound understanding of data communication technologies and protocols
- Good Knowledge of using Visual Studio IDE and tools
- Excellent mathematical skills.
- Good written and verbal communication skills
- Hands-on knowledge on MSOFFICE tools.

#4 Platform Developer

Job Role: The primary purpose of Platform Developer is to design; implement and test IoT based platforms/applications and deliver outcomes within scope, quality, time, and cost constraints. Explore and evaluate new technologies, design & develop Desktop/Web/Mobile Apps, implement algorithms, develop test plans, and perform system testing.

Job Responsibilities:

- Work as a part of product development team to develop IoT based smart products and solutions.
- Work hands-on with all aspects of research and development in translating requirements, designs, wireframes into high quality code by collaboration with designers, engineers, senior managers etc.

- Follow Product Development Life Cycle, generate work products – Design, Code, Test Plans, Test Reports, Manuals etc.
- Build Algorithms
- Act as interface with R&D, production, and business arms to support customer project needs

Key Requirements:

- Minimum of 70% throughout their academics
- Good understanding of Digital Systems – Proficient in truth table and state machine approaches
- Proficient in programming either of Java, .Net, JavaScript, C#
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- Good written and verbal communication skills
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Capability	IoT Engineer
Visualization	*****
Subject	*****
Taste	*****
Analogical Reasoning	*****
Determination	*****
Learning	*****

#5 Data Scientist

Job Role: The primary purpose of Data scientist is to discover the information hidden in vast amounts of data and help in making smarter decisions to deliver even better products. Apply data mining techniques, perform statistical analysis, and build high quality analytics integrated with applications

Job Responsibilities:

- Identifying and integrating new datasets that can be leveraged through our product capabilities and work closely with the engineering team to strategize and execute the development of data products
- Execute analytical experiments methodically to help solve various problems and make a true impact across various domains and industries
- Identify relevant data sources and sets to mine for client business needs, and collect large structured and unstructured datasets and variables
- Devise and utilize algorithms and models to mine big data stores, perform data and error analysis to improve models, and clean and validate data for uniformity and accuracy
- Analyse data for trends and patterns, and Interpret data with a clear objective in mind
- Implement analytical models into production by collaborating with software developers and machine learning engineers.
- Communicate value story effectively

Key Requirements:

- Minimum of 70% throughout their academics
- Sound knowledge about Excel, BI Tools like Tableau, PowerBI, SQL, and programming languages i.e., Python/R
- Proficiency with data mining, mathematics, statistical, and graphical analysis

- Advanced pattern recognition and mathematical modeling
- Good written and verbal communication skills
- Hands-on knowledge on MSOFFICE tools.

Capability	IoT Engineer
Visualization	*****
Subject	*****
Taste	*****
Analogical Reasoning	*****
Determination	*****
Learning	*****

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