Rajiv Gandhi University of Knowledge Technologies

Job Announcement of **Efftronics Systems Pvt. Ltd.**

The T&P Team wishes to inform about a career opportunity at **Efftronics Systems**. **Efftronics Systems** would like to hire CSE, ECE & EEE graduates of 2024 for **Embedded Engineer & Software Engineer** with following eligibility criteria.

- **Job Profile**

Below given the CTC details, Selection Process and Job Description (Knowledge and Capabilities) required for each position :-

Function	Role	Qualification	Pay scale - CTC
R&D	Embedded Engineer	B. E. / B. Tech. (EEE, ECE, EIE)	5.3 Lakh p.a.
R&D	Software Engineer	B. E. / B. Tech. (CSE, IT)	

Selection Process:

- Written Test
- Technical Interview
- Technical Final round
- HR Interview
- Fitness Test

Area of Assessment:

EMBEDDED ENGINEER

S.No	Topic
1	Circuit Theory
2	Control Systems
3	Aptitude
4	Physics
5	Basic Electronics
6	Digital Electronics
7	Data Communication
8	Instrumentation
9	Micro Processors& Peripherals
10	Programming in Assembly and "C"
11	Mathematics

SOFTWARE ENGINEER

S.No	Topic
1	Combinational Logic Circuits
2	Sequential Logic Circuits
3	Software Programming
4	Protocols
5	Algorithms
6	Oops concepts
7	Computer Organization & architecture
8	DBMS
9	Physics
10	Mathematics
11	Aptitude

TERMS & CONDITIONS:

1. There would be **2.5 years** agreement with the company wherein the Candidate needs to submit all his/her original Certificates for the agreement period.
2. Training period would be for a maximum period of 6 months.
3. Stipend Rs.10,000/- per month during training period
4. Minimum of 70% throughout their academics

#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, and 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.

#2 Software Engineer

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.

How to Apply: If meet the eligibility criteria and interested about this opportunity, please apply through the Training & Placement Portal (https://tpcrt.rf.gd) by **January 6, 2024.**

Sd/-

T & P Office