

## **ADVERTISEMENT FOR THE POST OF RESEARCH ASSOCIATE (RA) / SRF/ JRF FOR CSIR SPONSORED RESEARCH PROJECT AT CSED**

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Applications are invited for the post of Research Associate/SRF/JRF to work for CSIR Funded research project in Computer Science and Engineering Department, Thapar University, Patiala.

### **Project Details:**

**Title:** SMART IRRIGATION AND FERTILIZATION SYSTEM FOR PRECISION AGRICULTURE USING INTERNET OF THINGS AND CLOUD INFRASTRUCTURE

**Duration** : 3 years (up to the length of project)

<b>Post</b>	<b>Qualification</b>	<b>Fellowship</b>
<b>One Research Associate</b>	PhD completed or Submitted in area of Computer Science/Electronics/Usage of ICT in field of Agriculture Or ME/ MTech with three years of research, teaching and Design and Development Experience with good publications Desirable: SCI Publications	<b>36,000/-</b>
<b>SRF</b>	ME/M Tech in Computer Science and Engineering or equivalent with Gate in CS or Electronics Desirable: Good Publications	14,000/-
<b>JRF</b>	BE/BTech in Computer Science or Electronics with minimum 55% marks and NET/Gate Exam Cleared. Desirable: Experience on IoT implementation	<b>12,000/-</b>

### **Skills Required:**

1. Must have hands on experience in Arduino, Raspberry Pi, Sensors, XBEE and other Communication Technologies like Bluetooth, GSM, Wi-Fi.
2. Must have strong MATLAB and Python scripting experience.
3. Must have already implemented IoT based projects.
4. An experience of development of Software / Mobile app is desirable.
5. Knowledge of machine learning and deep learning techniques.

6. Experience with data analysis and problem solving with large amounts of data is preferred.

### **Desirables**

1. Dedication and Commitment to work for the project including some field work.
2. Excellent analytical, presentation and Research article writing skills.
3. Strategic thinking and execution in a fast-paced environment.
4. Should exhibit creativity and resourcefulness.
5. Organized and detail oriented.
6. Having good publications in Scopus/SCI.

### **Responsibilities**

- To develop Smart Irrigation and Fertilization System for Precision Agriculture
- To write research papers
- To maintain project related documentation

**How to Apply: If you have desire to make an impact in the life of millions through technology then send your CV on or before 4<sup>th</sup> May, 2018 at [sanmeet.bhatia@thapar.edu](mailto:sanmeet.bhatia@thapar.edu)**

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