RAMARSON ®

Job Title:	Internship Trainee	Job category :	Part/full time
Department Group :	Ramarson IT	Job code :	IT-04
Location :	Tiruchirappalli	Travel required :	Nil
Level /salary Range:	Students/ Monthly Stipend	Position Type :	Internship
Internal Posting URL	http://www.ramarson.com/eng/career.php		
Job Description			

About us

RAMARSON is a software systems development company **for digital printing, developing creative solutions to individual needs**. We provide consultancy on **Industrial Automation and workflow solutions** for Industry. We are software service providers for clients in Germany. We are very glad to announce that RAMARSON is one of the best companies enlisted in **ASSOCHAM** India's **TOP SME 50** Index.

We Offer an exciting opportunity to be a part in an enthusiastic team with a motivating working climate. This Opportunity will be responsible to serve as an internship trainee - associated with the Software Technology) with us **Ramarson Technology Developers LLP at Trichy**.

We like to address candidates who like to bring in their knowledge, their engagement and their personality to our growing and dynamic company. We offer a challenging offer and we give room for self-reliant learning & working, but also cooperative teamwork and the fascination of an innovative and flexible company.

Skill Requirements

• Should possess strong communication skills, Grasping skills with excellent written & spoken English.

• Smart, Sincere, Hard worker including the ability to present ideas and information accurately and effectively.

• Must be self-starter, independent thinkers, and excellent analytical and problem solving skills. Displays self-motivation, attention to detail, commitment, maturity and creativity in dealing with diverse assignments.

Internship Title: To implement an image Processing Algorithm for calibrating Print Heads

Description

In an industrial digital inkjet printer, print head is the heart of the machine. For setting up the printer One needs to assemble an array of print heads; all print heads have to been aligned preciously so that they act as single unit. During the first generation, the calibration is done via manual procedure with a support of microscope. In the second generation, the calibration is done with the help of small high-precision stepper motors. Those machines have been deployed in the field for production.

Now with the third-generation machines we wanted to automate completely with less human interference. Install a camera and watch the output of the printed image. An image processing algorithm is reading the image and finds out what is deviation in individual print heads. The task for the student would be to support in developing this algorithm.

The proposed algorithm should get a digital image from a still camera and process the image. If the printed images are correct no adjustments are needed. if the print heads are not aligned correctly we need to do the adjustments correctly. The print heads can be deviated in clockwise or anticlockwise or in the x-axis. The proposed algorithm needs to fine the rotation/ x and convert that in to steps; this step needs to be given as an input to the stepper motors. The algorithm should be implemented in C# .net

- Design and architect the algorithm
- Implement the proposed algorithm
- Write test cases for the checking the correctness of the algorithm
- Check performance of the Algorithm
- Document and work and support in deployment

Responsibilities

- Documentation and building hardware/software applications

- Assessment of new application ideas

- Develop applications (coding, programming) using cloud based solutions for easy monitoring on real-time.

Eligibility

Students Interested in doing internship programs from the Following streams are eligible,

1. Computer Science/Network Engineering –MSC IT, MSC Computer Science

2. Engineering. –IT, CSE, ECE (BE, ME)

Duration: 3-6 Months

Work Timings: 10:00am to 6:00 pm, Lunch: 1:00 to 2:00 (regular) and 2:00 to 6:00pm (Part time)

Stipend: Monthly Stipend of Rs.5000/- will be offered

Selection Process

1. Applicants will be shortlisted based on their previous academic performances and their Strong Software skills.
2. Final interview will be the final process on selecting the candidates for the internship program. (Personal Interview).

What You Will Learn

1. Technical advancements in recent trends and its Exposure
2. Professional work style and professional ethics
3. Code of Ethics
4. Platform to know about the Technologies by learning and working
5. Additional opportunities in related projects.

What We Expect?

Applicants should have excellent analytical and math skills, good grasping skills. They are expected to be innovative and dedicated, and with work with a passion in team. We are looking for students from the following Streams.

1. Good and strong Knowledge in technical field, expected on ASP.Net & C#, Python or Go Lang.

2. Strong communication skills and grasping skills.

3. Ability in working as team with dedication.

4. Involvement in learning new things and Exhibit the same in the project.

We value our interns and go the extra mile to make sure you receive a learning experience that fits your career goals. You will become extremely knowledgeable .You will also learn how to work in a professional environment and have ample opportunity to network with department leaders and other professionals in software field.

Please Send your resumes and related Experiences (certificates if any) to *career@ramarson.com*