

LIST OF REQUIREMENTS

1. **type of projects / description of the project/tasks/brief of the role:**

SignalGeneriX Ltd is a Cypriot R&D company doing cutting edge research and development in the fields of Digital Signal Processing (DSP) and Communications. The company is based in Limassol but operates as expert providers of DSP and Communications technologies realised both in hardware and software for a wide network of clients and collaborators throughout Europe. Our range of products includes among others low powered sensor nodes, smart antennas, intelligent power management, DSP processes and advanced remote monitoring platforms, miniature ECG Data acquisition hardware, wearable sensors, emergency telemedicine systems, patient activity detection systems and hardware for rehabilitation robotics systems. For details on the R&D projects that SG is involved go to: www.signalgenerix.com.

Depending on the skills (see later) of the applicant and the desired field of work he/she will be assigned a small project to accomplish within the duration of the internship which will be mutually agreed.

2. **Duration of the internship (8 weeks, 6 months, 12 months)/ hours of work :**

The duration of internship will be mutually agreed/8 hours per day

3. **Level of knowledge for a specific area (awareness, educational experience, working experience):**

It is expected that the candidates will have at awareness and some educational experience in the fields of Software development and/or Hardware design and development.

4. **Payment (if any):**

The Company is not able to fund the internships.

5. **Number of internship positions:**

Up to 3.

6. **Language requirements (if any):**

Fluent Greek and/or English

7. **Medical and labor insurance costs (covered by the company / covered by the university):**

The company does not offer insurance.

8. Location (Town/Area):

Limassol, Cyprus

9. Industry /Sector:

Digital Signal Processing and Communications R&D

10. Study Stream:

Electrical Engineering, Electronics Engineering, Software engineering or other related subject.

11. Undergraduate/Postgraduate :

SignalGeneriX can accept 3rd and 4th year undergraduate students and postgraduates.

12. Skill Requirements:

The students should have hardware and/or software basic skills. Knowledge of one or more of the areas below will be advantage:

Software

- High Level programming (C/C++, C#, Microsoft .NET, Matlab, Java etc)
- Embedded systems programming.
- FPGA programming
- Android applications development
- Web applications development
- Signal/Image processing

Hardware

- Hands-on experience in electronics
- Electronics circuit design
- Printed circuit board prototyping
- Fault finding
- Microprocessors coding
- Communication systems