

## **Terms of Reference**

### **About Andhra Pradesh Medtech Zone (AMTZ)**

Andhra Pradesh MedTech Zone (AMTZ) is India's premier medical technology manufacturing cluster and one of the world's largest MedTech ecosystems, housing **180+ companies** engaged in the research, development, and manufacturing of life-saving medical devices. Built in a record **342 days**, AMTZ offers world-class common manufacturing and scientific facilities, including advanced testing laboratories, 3D printing, laser, biomaterial, and irradiation centers. During the COVID-19 pandemic, AMTZ played a critical national role by producing **100+ ventilators, 500 oxygen concentrators, and 1 million RT-PCR kits per day**, while also deploying innovative solutions such as mobile hospitals, RT-PCR vehicles, and oxygen plants to strengthen healthcare delivery across India

#### **Company Website:**

<https://www.amtz.in/>

<https://kiht.in/>

<http://biovalley-amtz.in/>

<https://medivalley-aic.in/>

#### **Job Title**

#### **Scientist - MATLAB and Image Processing - TechPod**

#### **Key Responsibilities**

1. Image and signal processing workflow using MATLAB
2. Develop custom script for algorithms
3. Optimization and mathematical modelling
4. Modelling with calculation and simulation using MATLAB

#### **Qualification & Experience**

1. Qualification: Bachelor's in ECE/ B.Tech - Mechatronics
2. Experience: Minimum 02 years to 04 years of experience in the relevant field like MATLAB, Algorithms etc.
3. Computer literacy including advanced proficiency with Microsoft Office (Excel, Word & PPT).
4. Excellent communication and presentation skills, analytical, problem-solving skills and interpersonal abilities, Decision-making, excellent oral and written communication skills in English.
5. Must have Team Spirit, Agility, Leadership, Initiative, time management, prioritizing and the ability to handle a complex and varied workload.
6. Must maintain confidentiality and discretion in all aspects and be comfortable with a flexible working schedule to meet the needs of the Company.
7. Ability to handle urgent matters, multiple tasks, simultaneously and quickly complete the assigned tasks.
8. Age up to 30 years.