GODDARD - DISCOVERY

Leveraging breakthrough scientific discoveries through AI

FOUNDER'S
Statement

My motivation for the modern world lies within the context of Artificial General Intelligence. I believe that this technology will be the best and final invention of human beings that would change the entire world for good. The future industry would not rely much on human intervention in designing, developing, or testing new products or services, but our software "Inventia AI" will generate all the required essentials needed by the industry through linking experience and overall interdisciplinary expertise with minimal chance of error.

Goddard - Discovery is not just a product or a service, it is a revolution that will serve to enhance every field that does not fit the modern system using the knowledge and expertise of already developed methods and later combining the positive aspects of all.

Ammar Abbas
Founder of Goddard - Discovery

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About
Company

Your Partner in AI-Powered Progress

Goddard-Discovery is a cutting-edge startup company that specializes in utilizing the power of artificial intelligence and machine learning to optimize research and development. At our core, we are a software provider and AI and mechatronics consultancy company that is dedicated to developing innovative solutions that solve complex problems. Our team is made up of the brightest minds in the industry, from AI and research and development to mechatronics. We help our clients achieving their goals and make a real difference in the world. We offer customized solutions that are tailored to meet the specific needs of each client, whether they are working in academia, any industry, or a company seeking to optimize operations. Our passion for innovation and commitment to excellence are the driving forces behind everything we do at Goddard-Discovery.

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Business
Expertise

Artificial Intelligence

We have a dedicated team of AI experts who are well-versed in the latest machine learning and natural language processing techniques. We offer a wide range of AI services.

Machine Learning

Our team has experience in developing and deploying custom machine learning models for a variety of industries.

Mechatronics Engineering

Our business possesses unparalled expertise in mechatronics engineering, offering a comprehensive range of solutions at the intersection of mechanical, electrical, software engineering, and robotics.

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Our Services

AI Projects

AI and Mechatronics Consultancy

Mobile App Development

Web App Development

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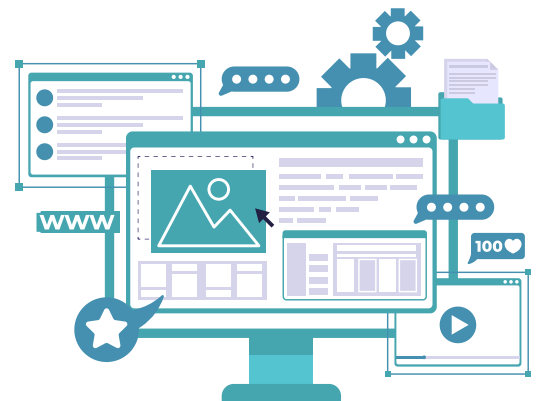
Our
Services

Mechatronics System Design & Development

Research & Development

Robotics & Automation Solutions
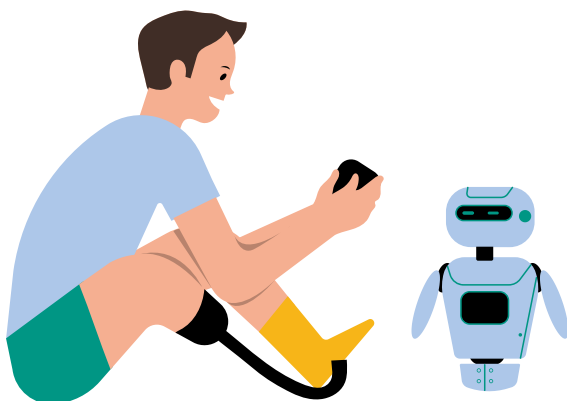
Control System Development

How
We Work

Technologies We Work On

- *Artificial Intelligence (AI) and Machine Learning (ML)*
- *Python*
- *Java Script*
- *Typescript*
- *Node Js*
- *iOS and Android*
- *.NET*

TechStacks

- *MERN Stack*
- *MEAN Stack*
- *JAM Stack*

Our
Projects

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Project 01
Quad-Copter

Project 02
Tri-Copter

Project 03
Fuel Efficient Car

Project 04
CAD/CAM

Project 05
Computer Numeric Control CNC

Project 06
Assistive Technologies

Project 07
Thermo-Acoustic Refrigerator TAR

Project 08
Speech Translation

Project 09
Control & Automation

Project 10
Autonomous Vehicles

Project 11
Stereo Vision

Project 12
Smart Helmet

Project 13
Smart Goal Keeper

Project 14
Inspecting Mega Solar Plants

Project 15
Solving Combinatorial Problems

Project 16
Analysis of DL Algorithms on Edge in Microscopic Fabric Dataset

Project 17
Smart Surveillance and Tracking System

Project 18
Smart Goal Keeper

Our
Projects

Project 19

Desktop Application for Sensory Data Analysis

Project 20

Computer Vision for Anomaly Detection

Project 21

Real-time semantic segmentation with RGB-D camera

Project 22

Real-time, vision-based automated indoor/outdoor docking of mobile robots (for charging) using YOLO-v7 and custom-prepared dataset using Roboflow

Project 19

A Study of Voluminous Healthcare Dataset For Data Engineering, Response Possibilities (Predictions) and model Benchmarking

Quad-Copter Autonomous Navigation

Designing and Fabrication of an Economically Sound Tri-Copter
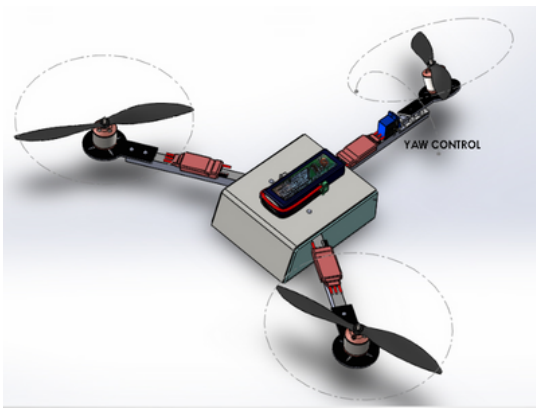
Designing and Fabrication of a Fuel Efficient Car
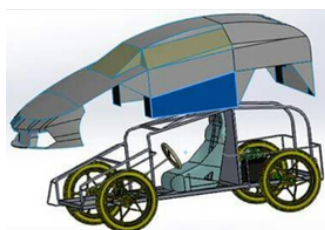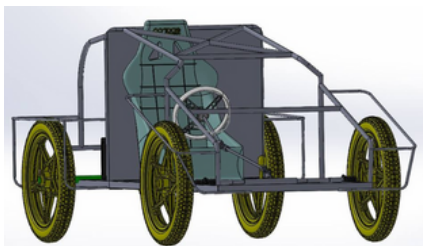
Our
Projects

■ Customized Designing CAD/CAM

■ Computer Numeric Control
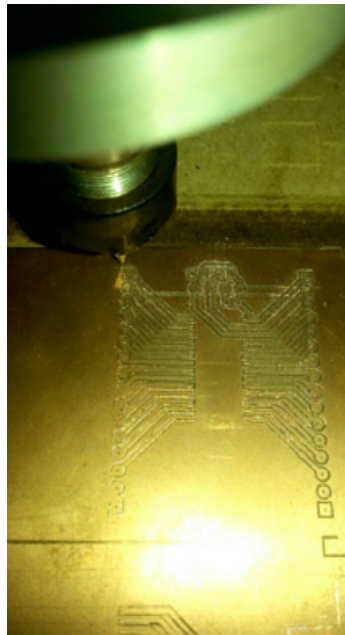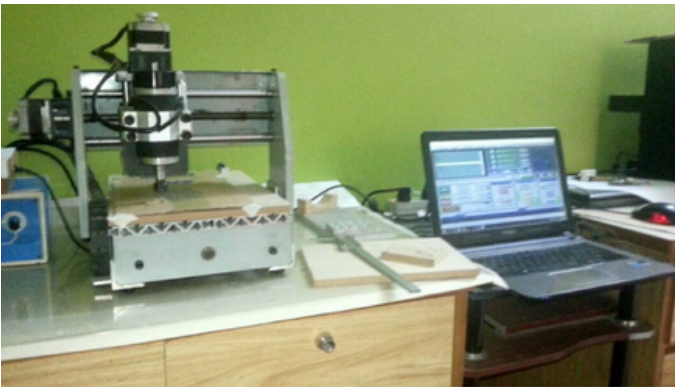
Our
Projects

■ **Assistive Technologies**
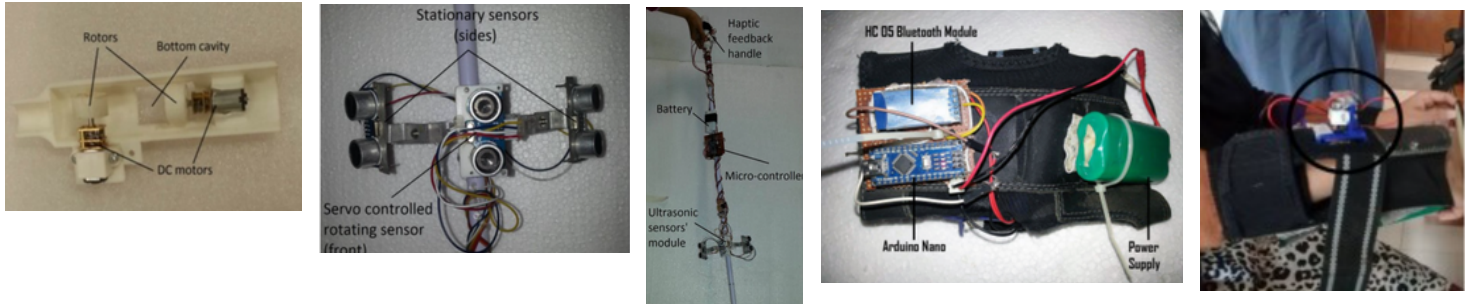
■ **Thermo-Acoustic Refrigerator (TAR)**
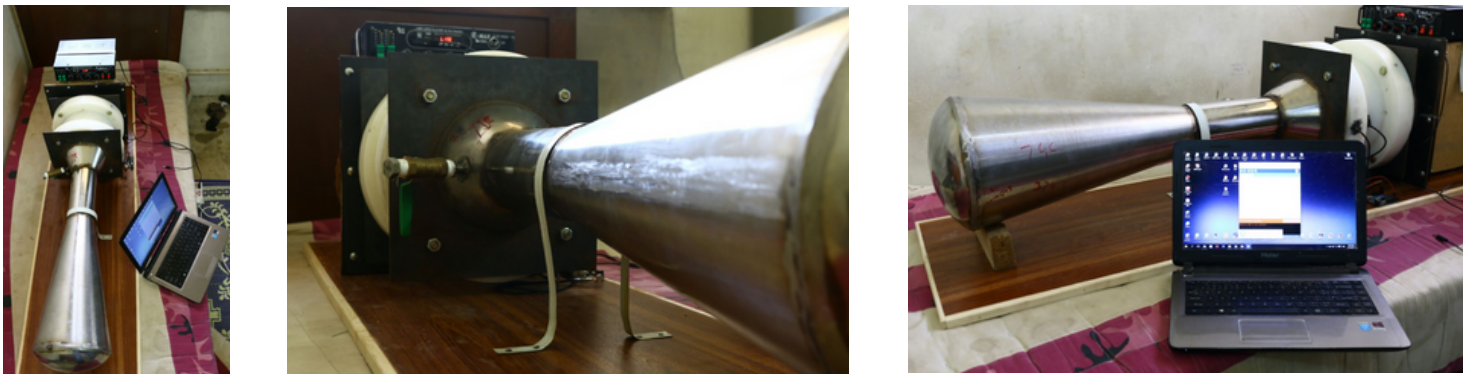
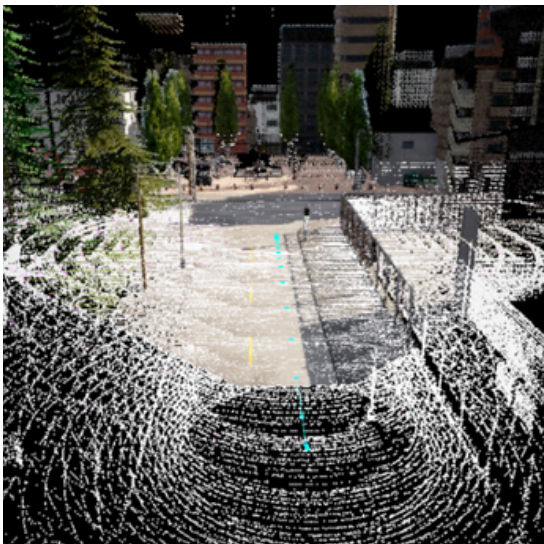■ **English To Urdu Speech Translation Using IBM Watson, Google, and WEB Socket**
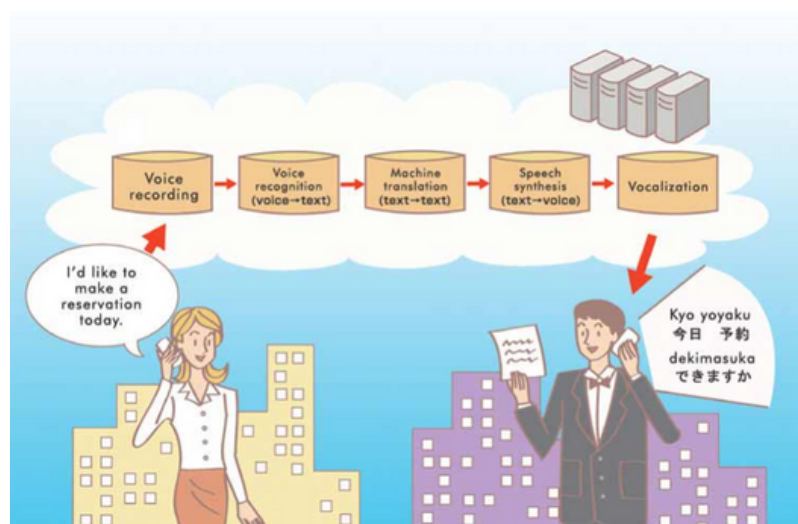
Our
Projects

◼ **Parallel P-PD Controller To Achieve Vibration and Position Control of a Flexible Beam**
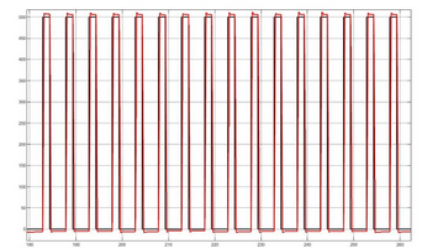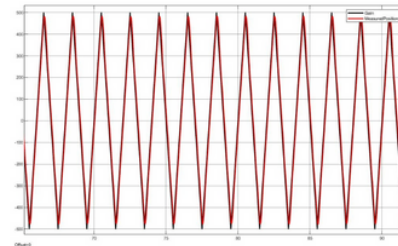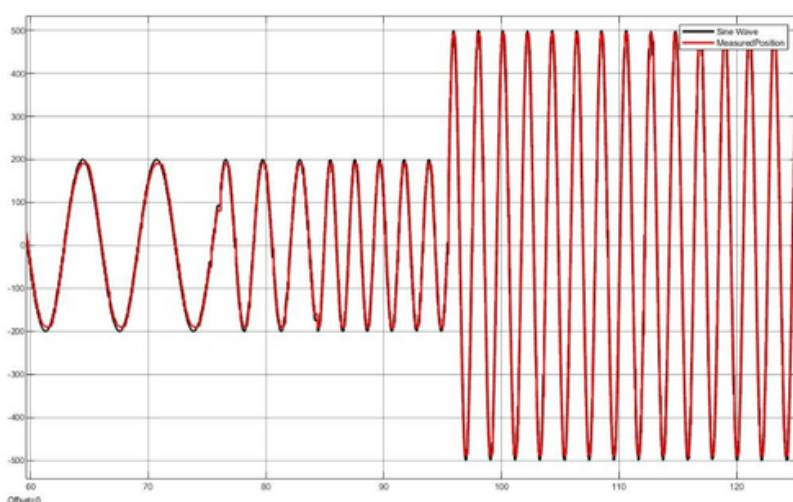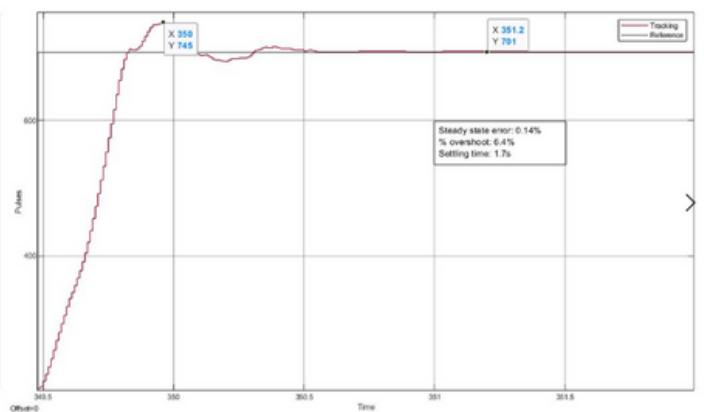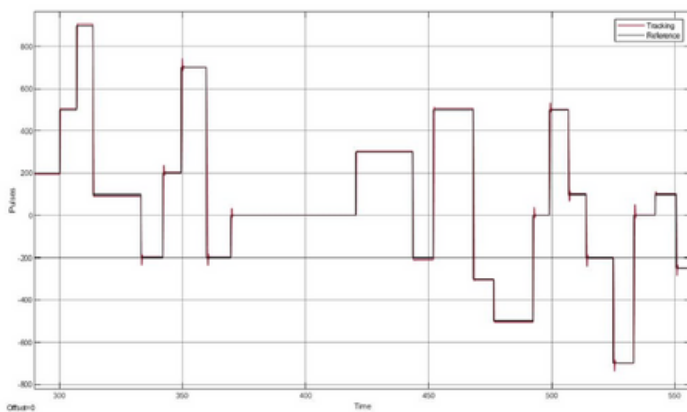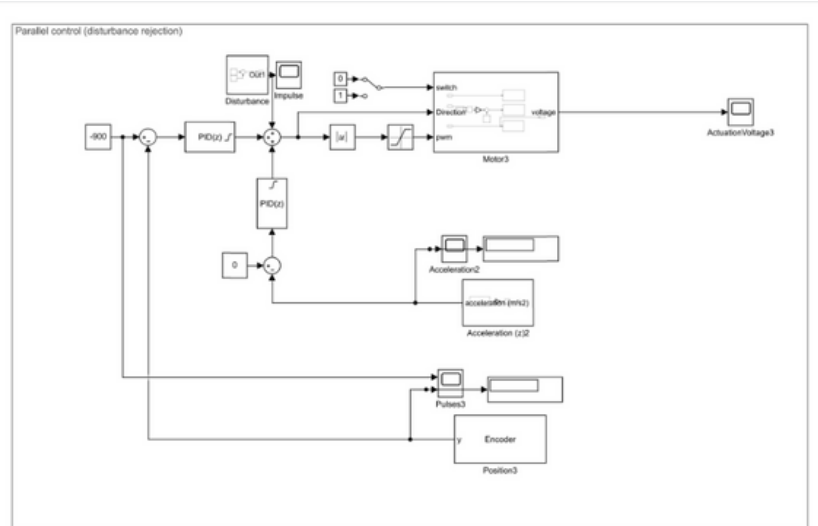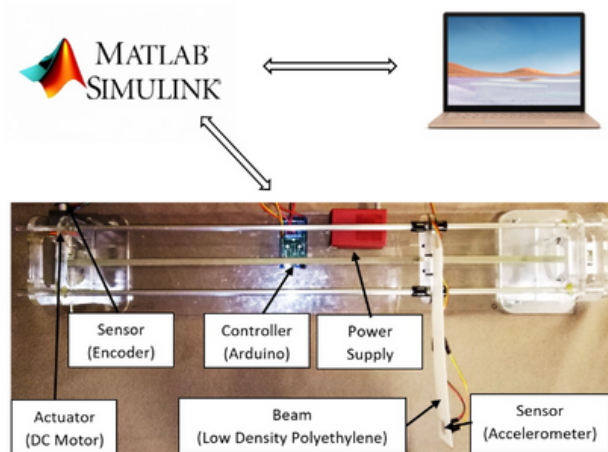
Our
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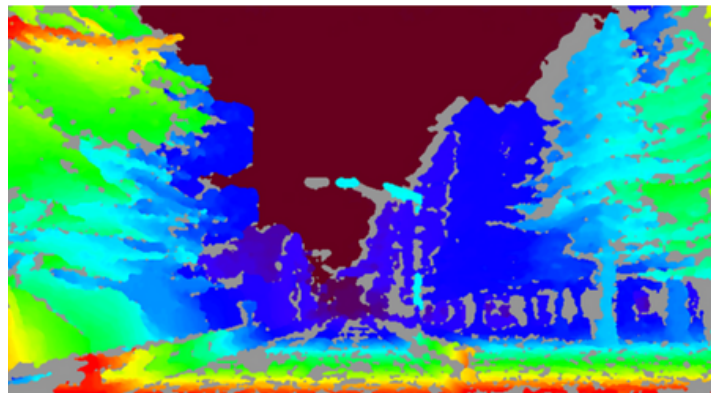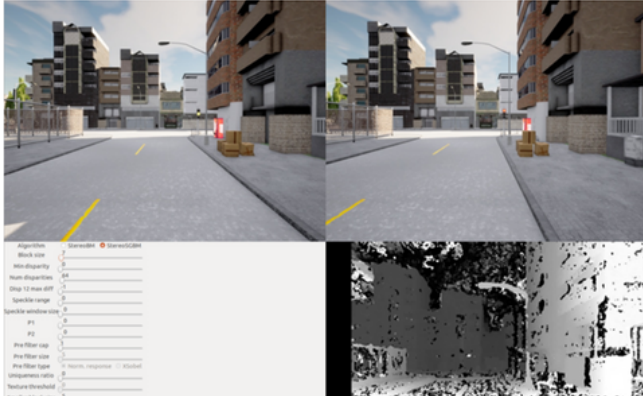■ **Autonomous Vehicle Navigation Using HD Maps and Artificial Intelligence**

■ **Stereo Vision**

Our
Projects

■ **Intelligent Gadget for Accident Prevention: Smart Helmet**

   https://ieeexplore.ieee.org/abstract/document/9213742

■ **Smart Goal Keeper Prototype using Computer Vision and Raspberry Pi**

   https://ieeexplore.ieee.org/abstract/document/9208910

■ **Inspecting Mega Solar Plants through Computer Vision and Drone Technologies**

   https://ieeexplore.ieee.org/abstract/document/10043093

■ **Solving Combinatorial Problems through Off-Policy Reinforcement Learning Methods**

   https://ieeexplore.ieee.org/abstract/document/9179423

■ **Analysis of Deep Learning Algorithms on Edge in Microscopic Fabric Dataset**

   https://ieeexplore.ieee.org/abstract/document/10004659

■ **Smart Surveillance and Tracking System**

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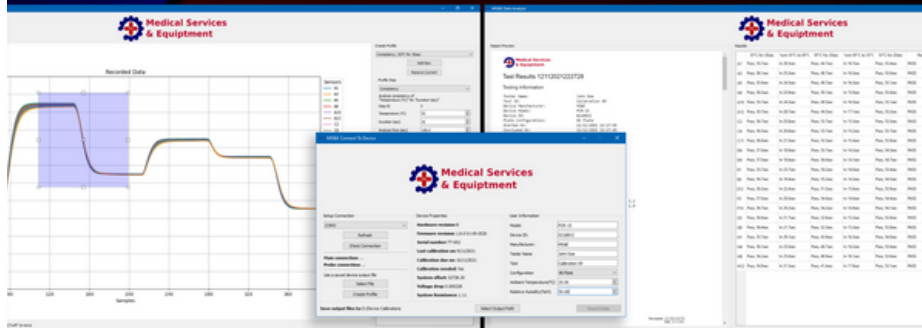
Projects
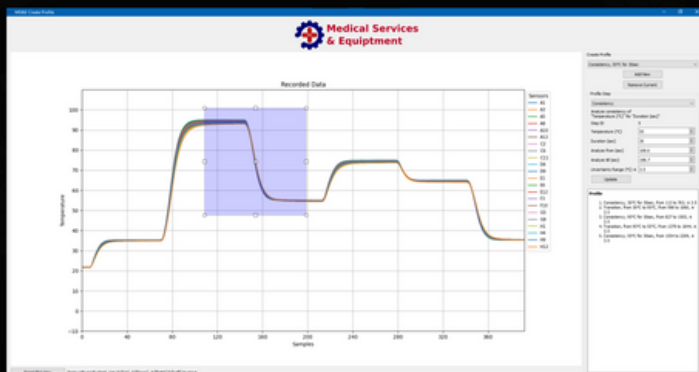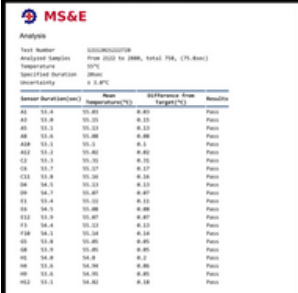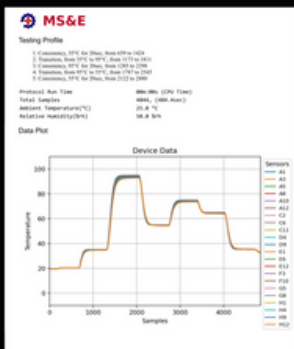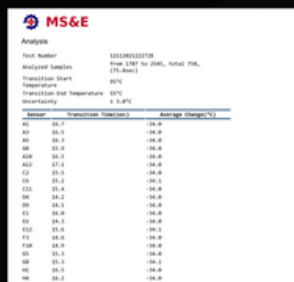
■ **Desktop Application for Sensory Data Analysis**

Our
Projects

■ **A Study of Voluminous Healthcare Dataset For Data Engineering, Response Possibilities (Predictions) and model Benchmarking**

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Our
Creative Team

Ammar Abbas
Founder and Board Member

Ph.D. (AI) Marie-Curie Fellowship.
4+ Years of R&D Experience in Pakistan, Austria, and Egypt.
Skilled at Machine Learning, Python, MATLAB, Arduino, C/C++, CARLA, Simulink,
Proteus, Ansys, Mach3, SolidWorks, SolidCAM, NX, Fusion 360, and AWS.

M. Affan
Chief Executive Officer

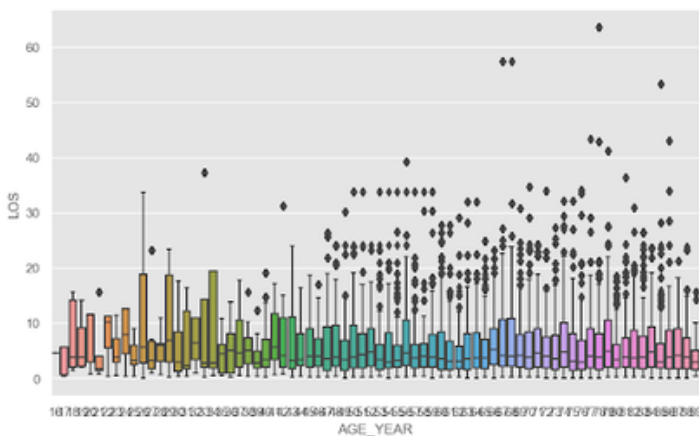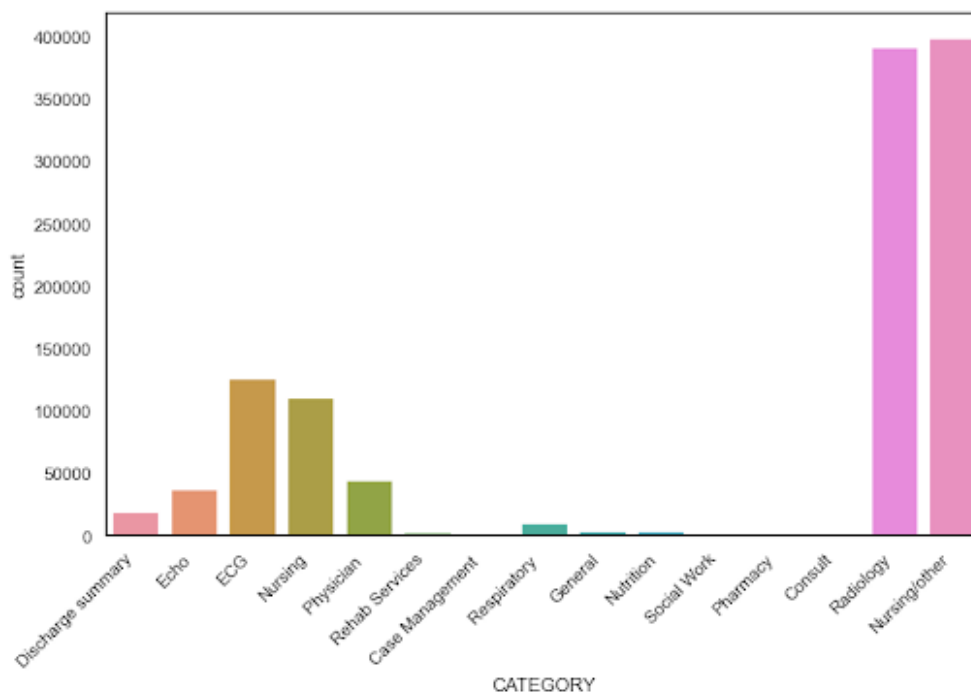*M.Sc. (Robotics and AI) Erasmus Joint Masters.*
4+ Years of R&D Experience in Pakistan, Saudia Arabia, France, and Spain.
Skilled at Python, MATLAB, C++, TensorFlow, Keras, PyTorch, Scikit, , NLTK, OpenAI
Gym, OpenCV, Simulink, V-REP, and Proteus.

Jaya Rajwani
Co-Founder

MS. (Data Science) from University of Southern California.
Experienced in Data Science, IT, Product Management, and Data Analytics.
Skilled at SQL, Python, Software Architecture, Node.js, Data Engineering, ML Tools
and AWS Pipelines.

Saad Hasib
Technology Lead

BEE (Computer Vision, System Design, Robotics).
4+ Years of Experience in Machine Learning, MERN Stack,
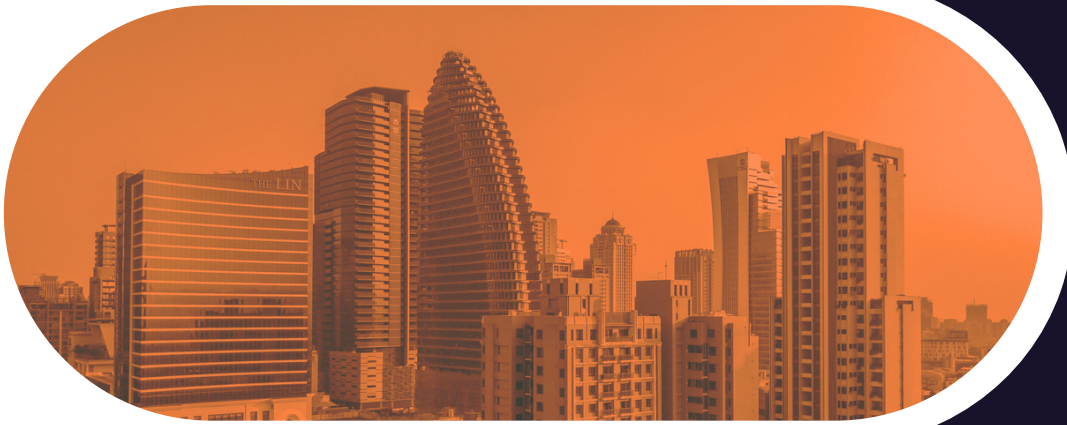*Python, Scientific Computing, and AWS.*

Huzaifa Habib
Chief Technology Officer

4+ Years of Experience in MERN Stack, MEAN Stack, Git, and
Cloud Services.

www.goddard-discovery.com

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Thank You!

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Regional Plan 9, Multan, Pakistan.
Software Technology Park, Hagenberg, Austria.