ASHHER ALI

ABOUT ME

To pursue graduate in electronics engineering, Leading to a career in research. I am interested in robotics and microelectronics.

EDUCATION

B-TECH IN ELECTRONICS ENGINEERING (2020-2024)

RAJIV GANDHI INSTITUTE OF PETROLEUM TECHNOLOGY
CUMULATIVE GPA – 7.95 (upto 4th semester)

CLASS 12 (PASSING YEAR 2019)

LORD BUDHA PUBLIC SCHOOL
CBSE BOARD PERCENTAGE 85.6

CLASS 10 (PASSING YEAR 2017)
SUN BEAM PUBLIC SCHOOL
9.4 CGPA

PROJECTS

FUNCTIONAL-WEEDER-BOT (oct 2021- march 2022)

Participated in the annual E-yantra 21-22 organised by IIT BOMBAY

- This theme is in response to an agricultural scenario featuring labor-intensive work. Multiple autonomous robots explore an arena and communicate with one another to perform tasks simultaneously.
- The robots are programmed using elixir language with a dashboard logging the sequence of events and remaining tasks in real-time over the internet.
- The arena abstracts a farm, comprising crop seeds to be planted and weeds to be removed. Robots work collaboratively and communicate with each other to explore the farm to determine where seeds should be sown and/or weeds should be removed.

UNMANNED DELIVERY BIKE

- It is based on Control System and on LQR controller design
- Balancing of 2-wheeled UNMANNED SMART Bike
- • Autonomous Navigation of UNMANNED SMART Bike
- • Pickup and delivery of packages along the arena

OS-SOME(june 2021 - oct 2021)

- This project is based on c++ programming language which looks similar to the operating system
- FUNCTIONS – It can do some specific task just like other operating systems like opening notepad,music player, calculator , time ,etc

ELEVATOR EMERGENCY ALARM SYSTEM

- Connect elevator alarm button to hostel office computer screen through phoenix server

WORK EXPERIENCE

INTERN AT HINDUSTAN AERONAUTICS LIMITED ,KORWA , AVOINICS DIVISION AMETHI

DEPARTMENT - UNMANNED AERIAL VEHICLE (UAV)

- **DESCRIPTION - AN UNMANNED AERIAL VEHICLE (UAV) is an aircraft without a human pilot on board whose flight is either controlled autonomously by computers in the vehicle, or under the remote control of a pilot on the ground or in another vehicle**
- **EQUIPMENTS LEARNED - MOSP (MULTIMISSION OPTRONICS STABILISED PLATFORM), VGU(VERTICAL GYRO UNIT), ADU(AIR DATA UNIT),RGU (RATE GYRO UNIT) , CLA(CAMERA AND LENS ASSEMBLY),FLIR(FORWARD LOOKING INFRARED),DTG(DYNAMICALLY TUNED GYROSCOPE) , ACCELEROMETER.**
- **COMPLETED INTERNSHIP**

CONTACT

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rohatas ,bihar 821307

SKILLS

- **PROGRAMMING LANGUAGE**
- C , C++,PYTHON,ELIXIR,LUA
  PHOENIX WEB FRAMEWORK
- **MACHINE LEARNING**
- **SOFTWARES**
- AUTOCAD design tool(FUSION 360),COPPELIASIM,OCTAVE, Tinkering Lab
- VHDL
- **RASPBERRY PI**

ACHIEVEMENTS

- **QUALIFIED JEE ADVANCE,JEE MAINS , WBJEE**
- **IN THE TOP 10 TEAMS IN ROBOTICS COMPETITION AT E-YANTRA IIT BOMBAY.**

Position Of Responsibility

HEAD OF THE DESIGNING TEAM AT E-CELL RGIPT
DESIGNING HEAD AT IEEE RGIPT