KANZAL HAQ A

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Objective

My aspiration is to become an integral part of a company where I can apply my skills and education to significantly contribute to its success and prosperity.

Education

NMAM Institute of Technology   2020 - 2024
Nitte Karkala, 574 110
B-Tech   Electrical and Electronics Engineering
CGPA - 7.71

VANI P.U College   2018 - 2020
Halekote Belthangady, 574 214
Science - PCMB
Percentage - 81.16 %

St Mary's School   2006 - 2018
Laila Belthangady, 574214
Secondary Education
Percentage - 92.64 %

Soft Skills

- **Leadership**
- **Decision making**
- **Multi - Tasking**
- **Problem - solving**
- **Discipline**
- **Creativity**

Interests

Sports and Games
Kabaddi, VolleyBall , Carrom, Video Games etc

Development of Mobile Applications

Trying New Things

Robotic Games
RoboWars, RoboSoccer, RoboRace etc...

Technical Skills

Hardware

Cadence OrCAD	80%
AutoCAD Electrical	60%
AutoCAD Fusion 360	60%
LtSpice	50%

Software

C - Programming	80%
PYTHON	50%
Android Studio (Flutter)	50%
Matlab (Simulink)	40%

Also worked on
Arduino IDE, MP Lab, microVision, KiCad

Editing
Filmora, Photoshop, Premire Pro

Microsoft (Basics)
Word, PowerPoint, Excel

Projects

A Compact High Precision AC/DC Digital Ammeter (Group)
Provide information about both AC and DC current draw and current continuity in order to help users troubleshoot erratic loads and trends.

Line Follower using Digital PID (Group)
Line follower bot using Reflectance sensor. Differentiates white and black surfaces with the help of IR emitter and receiver(phototransistor) and follows the black path.

Automatic College Bell using 8051 (Group)
Real-time clock using an 8051 microcontroller with an alarm facility for required time intervals.

Fastest Finger First Indicator (Group)

In quiz games, this is used to test the reaction time of the players. One who presses the button first will get a chance to answer first.

App for Elixir'23

One of the significant events of the EEE department is Elixir. Wherein I built an App for this event which consists of all information regarding the EEE department, and project details which had exhibited during Elixir'23

Logicz - Basic logic Gates App

This app consists of all basic gates where input can be toggled using the floating button and output will be displayed in real-time.

Internship

Research and Innovation Centre provided a One-Month Internship on **Hardware Design and Embedded System Programming**.

- In the first week, we learnt to create Block Diagrams (Libre Office), read datasheets, and a brief introduction to OrCAD software (Pad & Footprint creation).
- Later in the next week learnt to build a library, Schematic, and board file using pad and footprint files. Also, build a board file for a **7-seg display add-on card** for microLablet.
- In the third week, we learnt Embedded System Programming for MC56F847.
- Last week we learnt web development by building our own website using HTML, CSS and Javascript. Also learnt to handshake the website for the backend using Firebase.

Certifications

Online
Matlab Onramp
Matlab Fundamentals

Offline
PYTHON Basics

Robo Events

Events Participated and won :-
RoboWars, RoboSoccer, BotHockey, RoboRace, HydroCannon, Line Follower

Engineer'22	(NITK Surathkal)
Yugam	(Kumaraguru)
Tathva	(NIT Calicut)
Incridea	(NMAMIT)
Tiara'23	(SJEC Vamanjoor)
Yensplash'23	(YIT Moodbidri)
Tech Yuva	(Srinivas Mukka)
Envision'23	(Srinivas Valachil)
Sentia	(MITE Mangalore)

Exhibition
Science Mela held during **International Scouts and Guides Jamboree-2022**

Sports
Pole Vault, Slow bike race, Athletics

Languages Known

English	Full
Kannada	Full
Hindi	Full
Malayalam	Native
Beary	Native
Tulu	Native
Arabic	Low

Activities

- **Elites** (Member)
ELITES-Electrical Integrated Team of Engineering Students is the department of the Electrical & Electronics Engineering student association.
- **Robotics Club** (President)
The Robotics Club is an interdisciplinary club that was established in the year 2014 at NMAMIT with a motive to provide practical hands-on experience on various applications of robotics.
- **Team White Shadow Robotics** (Core member)
Team WSR was formed by a group of engineering students from different branches and years of NMAMIT, Nitte. It is the only robotics team in our college that take part in various ROBOTICS Events all over India
- Organised **Lakshman Rekha** Event at Incridea'23