D.P.S. SANDEEPA PREMAKUMARA

PERSONAL DETAILS

NAME : D.P.S.SANDEEPA PREMAKUMARA
DATE OF BIRTH : 01.11.1998
NIC NO : 199830610482

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100/1 waliya south, Minuwangoda ,
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+94781617814

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Linkdin
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SKILLS

1. Leadership
2. Man Management Skills
3. Hardwork and Commitment
4. Fast Learning

- **Experienced with Excel, Word, PowerPoint, Filmora, HTML**
- **electrical system maintenance**
- **IT**

LANGUAGES

- English
- sinhala

REFERENCES

Mrs. T.N.HETTIARCHCHI

Denuwara Sonale Education office Pilimathalawa

+94774160316

ABOUT ME

An independent and self-motivated professional with excellent leadership and communication skills. Where I can utilize my skills, have a passion for learning new teams and always try to do my best in any task assigned to me and always try to be evaluated as a good performer.

EDUCATION HISTORY

CURRENTLY DOING BSC (HONS)
COMPUTER NETWORKS AND SECURITY

ELECTRICAL AND ELECTRONIC ENGINEERING - HND
(SRI LANKA TELECOM TRAINING CENTER WALISARA)
SLTTC
(SUCCESSFULLY COMPLETED) 2023

BRITISH CAMPUS - INFOMATION TECNOLOGY -DIPLOMA
(SUCCESSFULLY COMPLETED) -2020

ICC CAMPUS-2015
INTERNATIONAL CAMBER OF COMPANIES
SUCCESSFULLY COMPLETED THE INFORMATION TECHNOLOGY AND COMMUNICATION LEVEL 3 CONDUCTED BY ICC CAMPUS NEGOMBO.

BRITISH WAY ENGLISH ACADEMY - DIPLOMA IN ENGLISH
(SUCCESSFULLY COMPLETED) -2019

SUCCESSFULLY COMPLETED THE ENGLISH LANGUAGE LEVEL 3 COURSE AT ICC CAMPUS NEGOMBO

G.C.E.ADVANCED LEVEL EXAMINATION 2017
SENARATH PARANAVITHANA NATIONAL COLLAGE UDUGAMPOLA

NALANDA CENTRAL COLLAGE
G.C.E.ORDINARY LEVEL-DECEMBER-2014 •

ACHIEVEMENTS

- The best attendance-2013
- Energy conservation project - 3rd place - 2017
- Energy education program - digital posters competition - 1st Prize Winne 2017
- athletic sports - 2nd and 3rd places 2016 - 2017
- Championship in the sport of volleyball 2017

WORK EXPERIENCE

Communication Division (Intern)
Arthur C Clarke Institute for Modern Technologies

Networking & Communications

- Assisted in the installation, configuration, and maintenance of network infrastructure, including routers, switches, and firewalls.
- Supported troubleshooting and optimization of network connectivity issues, minimizing downtime and ensuring peak performance.
- Monitored and managed LAN and WAN networks, implementing basic security protocols to enhance system protection.
- Collaborated with engineers to design and deploy network solutions, improving system efficiency and data flow.
- Developed hands-on experience with networking protocols (TCP/IP, DNS, DHCP) and various network management tools.
- Contributed to testing and deployment of communication equipment, ensuring seamless integration with existing systems.
- Gained foundational knowledge in networking principles, including cable testing, antenna testing, and NADA broadband meters.
- Studied and worked with satellite communication technologies such as Ravana-1 and KITSUNE.
- Learned about PLC control, panel wiring, and industrial network automation.

Electronics & Embedded Systems
- Designed and implemented electronic circuits on breadboards, simulated with Proteus, and created PCBs using Altium Designer.
- Worked with Arduino, microcontrollers (PIC 16F87X series), and various sensors (MPU6050, soil moisture, ultrasonic).
- Developed and programmed Line Following and Obstacle Avoidance Robots using Arduino.
- Repaired and maintained electronic equipment, including power quality testing and surge protection.

Other Technical Skills
- Attended sessions on occupational health and safety, practical electronics, and space projects.
- Gained theoretical and practical knowledge of battery testing and radiation analysis using logical analyzers.
- Worked on embedded control systems for industrial process automation.

Projects

1. Enterprise Network Infrastructure Deployment
2. Network Performance Optimization & Troubleshooting
3. LAN & WAN Management with Security Implementation
4. Design & Implementation of Scalable Network Solutions
5. Communication Equipment Testing & Integration
6. Transmission Cable & Antenna Cable Testing
   - Conducted testing and analysis of transmission and antenna cables to ensure signal integrity and performance.
7. Ladder Programming for Mitsubishi MELSEC Q Series PLC
   - Developed and simulated PLC ladder logic for industrial automation and networking control systems.
8. Design of 433MHz, 4-Channel RF Transmitter and Receiver Circuits
   - Engineered a wireless communication system for remote control applications using RF modules.
9. Design a Signal System for Kandy Railway Station
   - Developed an electronic signaling system to improve railway station operations and communication.
10. Automated Water Tank Filling System
    - Implemented a water level monitoring and control system for automated tank filling.
11. Arduino-Based Line Following and Obstacle Avoidance Robot
    - Designed and programmed an autonomous robot using Arduino, motor controllers, and sensors.
12. Creation of Obstacle Avoiding Robot with Arduino Programming
    - Built an Arduino-based robot with real-time obstacle detection using ultrasonic sensors.
13. Design a Circuit to Check the Oscillation of a Washing Machine Water Level Sensor
    - Engineered a testing circuit to analyze sensor oscillations for washing machine automation.
14. Design of Light Dimmer Circuit Using LM324 IC
    - Developed an adjustable lighting control system using operational amplifiers.
15. Soil Properties Measurement
- Designed and tested a system to measure key soil parameters for agricultural applications.

CERTIFICATION

I hereby that the information given above is true and correct to the best of my knowledge.

28/01/2025   Sasanidu sandeepa