

STUDENTS' PARTICULARS

Name of student: MUBBALA PAUL

Registration No: SEP24/BSE/4582U/H

Faculty: School of Computing and Engineering

Course of Study: Community Engagement I

NAME AND ADDRESS OF COMPANY/ESTABLISHMENT ATTACHED.

Name: ICT Research Planning and Innovation Center Kikandwa

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Name of Industry based supervisor: SP Kitimbo Daniel

Designation: Head Systems Analysis

Telephone contact: 0703516158 / 0789818024

Duration: From: 11th - JUNE - 2025

To: 17th - JUNE- 2025

Day	Description of Work Done	New Skills Learnt
Wed. 11th -JUNE-2025	Introduced to Django framework	Setting up Django development environment.
Thus. 12th -JUNE-2025	Taken through Django templates using HTML and CSS. Introduced to Urls and views	How to link the front end and the backend codes
Friday 13th -JUNE-2025	Introduced to Django admin panel	Configuring the Django admin panel by creating user groups and giving roles to users.

Mon 16th -JUNE-2025	Introduced Django template variables	Acquired skills of applying Django variables in HTML code
Tues. 17th -JUNE-2025	Tasked to develop a login page of a system	Full stack development skills

Duration From: 18th - JUNE -2025

To: 25th –JUNE – 2025

Day	Description of Work Done	New Skills Learnt
Wed. 18th -JUNE-2025	I continued with the development of a login page in python and Django framework.	Handling the several errors in Django framework especially those associated to Urls.
Thus. 19th -JUNE-2025	Introduced to models.py in Django framework	Creating model class and making migrations data into the model.
Fri. 20th -JUNE-2025	I commenced working on the login page and made functional by adding backend logic in views.py	Full stack development skills and troubleshooting errors in python Django framework.
Mon. 23rd -JUNE-2025	Participated in departmental meeting Introduced to networking concept	Minutes writing skills and how to manage meetings. Identifying different network topologies.
Tues. 24th-JUNE-2025	Introduced to packet tracer software	Installing and using packet tracer software to simulate network topologies.

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Duration From: 25th -JUNE-2025

To: 1st –JULY– 2025

Day	Description of Work Done	New Skills Learnt
Wed. 25th -JUNE-2025	Introduced to internet protocol (IP) address IPV4 and IPV6 and subnet masks	Identifying IP classes and assigning IPs to computers
Thus. 26th -JUNE-2025	Switch configuration using command line interface in packet tracer. (Changing the hostname, securing the console with passwords etc)	Switch configuration skills
Fri. 27th -JUNE-2025	Router configuration using command line interface in packet tracer.	Router configuration skills and applying routing protocols (Static, RIP, OSPF and EIGRP) in networks
Mon. 30th -JUNE-2025	Simulated a wide area network for two buildings in different locations	Setting up a functional wide area network which is well configured and functional.
Tue. 1st -JULY-2025	Introduced to subnetting in networks	Subnetting a local area network to increase security and reduce broadcast noise.

Duration From: 2nd - JULY -2025

To: 8th –JULY – 2025

Day	Description of Work Done	New Skills Learnt
Wed. 2nd -JULY-2025	Ethernet cable termination	Terminating crossover and straight through ethernet cables.
Thus. 3rd -JULY-2025	Visited the server room and observed arrangement of network devices (rack cabin, switches, routers and servers) Setup a physical Local Area Network having three computers, one 24 port switch and one router.	Setting up a real-world local area network from scratch.
Fri. 4th-JULY-2025	Introduced to Virtual Local Area Networks (VLANs)	Configuring VLANs on switches
Mon. 7th -JULY-2025	Introduced to structured cabling. Laying network cables from server rooms to workstations	Terminating cables Laying cables Terminating cables at ethernet module using the punch down tool.
Tue. 8th -JULY-2025	Participated in maintenance service of the computer laboratory where we replaced all broken ethernet cables and blew the computers to drive out any dust	Maintaining computer labs