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**SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY (SCIT)**

**COMPUTING DEPARTMENT**

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**

**SCHEDULE FOR THE INTERNAL ATTACHMENT (ICS 2213)**

**(SEPTEMBER 2019 – DECEMBER 2019 SEMESTER)**

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| **Days/Date** | **Main Objectives** | **Main Tasks** | **Supervisors/Trainers** |
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| Thursday  5th September 2019 | To give an overview of the internal attachment. |  Official opening   Explain attachment requirements, objectives and expectations. | Chairman Computing  Attachment Coordinator  Chief Technician  Appointed Lecturers and Technicians |
| Friday  6th  September 2019 | To discuss on how to undertake the software development task. | Agreeing on how to take the software development task and complete it on schedule. | Damaris Waema |
| Monday  9th September 2019  &  Tuesday  10th September 2019 |  To understand networking concepts and needs for networks.   To be knowledgeable in different types of network topologies.   To understand tools and various hardware components commonly used in networking.   To understand the characteristics of various hardware components common in networks. | Introduce networking terminologies and network topologies  Identify network components, networking tools and cables. | Appointed Technicians/  Lecturer |
| Wednesday  11th  September 2019  &  Thursday  12th September 2019 | To be able to design a network system and to learn the factors considered when designing network systems. | Analyze and Design networks | Appointed Technicians/  Lecturer |
| Friday  13th September 2019  &  Monday  16th September 2019 |  To be able to perform termination of cables (RJ 45 connectors, UTP cables) by following the EIT 568A or 568B standards.   To connect switch and patch panels.   To know the difference between the two main standards of cable termination. | Prepare network cables and test them.  Interconnect hubs, switches and patch panels | Appointed Technicians  Lecturer |
| Tuesday  17th September 2019  &  Wednesday  18th September 2019  &  Thursday  19th September 2019 | To have students present in class on what types of software they will be developing for the software development task. | Presentations by students  Students who will not be doing presentations on a particular day are supposed to be working on their software development tasks. | Damaris Waema |
| Friday  20th September 2019 |  To learn the roles of network operating systems.   To perform effective installation and configuration of network operation systems. | Install network operating systems such as Win 2000 NT, XP and Unix and share resources such as printers over the networks. | Appointed Technicians/Lecturer |
| Monday  23rd September 2019 |  To learn the importance of securing, and troubleshooting network.   To be able to use various tools to secure, troubleshoot, and monitor performance of networks.   To be able to set-up server based operating system.   To be able to share resources such as folders, printers. | Use various tools to troubleshoot and secure networks.  Configure server operating systems and create accounts | Appointed Technicians /Lecturer |
| Tuesday  24th September 2019 | To gain understanding of the various Intellectual Property Rights.  To be informed about the Functions of DIPUIL.  To be sensitized on any other matters concerning IPRs as deemed appropriate by DIPUIL. | Intellectual Property Rights Workshop | Directorate of Intellectual Property Management and University-Industry Liaison (DIPUIL),  Chairman Computing, Damaris W., Chairman Computing, Damaris W. |
| Wednesday  25th September 2019 | To provide a visual in-depth insight into the learnt topics | Discuss, write report and watch Video/CD ROM demo. | Appointed Technicians/Lecturer |
| Thursday  26th September 2019 | To have students work on their software projects in their respective group | Students to work on their software projects in their respective groups | Appointed Technicians/Lecturer |
| Friday  27th September 2019 |  To provide an in-depth insight into the fundamental hardware components of PC machines, computer operations.  To learn and understand the concepts of safety, maintenance, diagnosis and security of PC machines. | Identify various PC hardware components. | Appointed Technicians/Lecturer |
| Monday  30th September 2019  &  Tuesday  1st October 2019 | To understand the boot-up process and operations of different PC components.    To understand installation and configuration of different PC hardware components. | Demonstrate boot-up sequence of PC and provide an insight into the operations and roles of fundamental hardware components of PC machines.  Give an overview of installation and configuration procedures of PC hardware components. | Appointed Technicians/Lecturer |
| Wednesday  2nd October 2019 |  To understand installation and configuration of different PC hardware components. | Install and configure different PC hardware components | Appointed Technicians/Lecturer |
| Thursday  3rd October 2019  &  Friday 4th October 2019 | To learn the roles of Windows and UNIX operating systems in PC machines  To understand installation and configuration procedures of Windows and UNIX operating systems. | Install and configure Windows and UNIX operating systems.  Prepare PC machine for installation of Windows and Unix operating systems | Appointed Technicians/Lecturer |
| Monday 7th  October 2019 | To be able to install, troubleshoot and repair printers and scanners. | Install and configure printers and scanners.  Troubleshoot and repair printers and scanners. | Appointed Technicians/Lecturer |
| Tuesday 8th  October 2019 |  To be able to troubleshoot and repair monitors and resolve hardware and software conflicts. | Repair and troubleshoot PC monitors | Appointed Technicians/Lecturer |
| Wednesday 9th  October 2019 |  To provide an in-depth insight on output devices**.**  To be able to install various antivirus program, backup data, format pc having viruses and recover lost data. | Discussing/ report writing on various input/output devices | Appointed Technicians/Lecturer |
| Thursday 10th  October 2019  &  Friday 11th  October 2019 |  To gain hands-on experience on troubleshooting, PC assembling and maintenance. | Divide students into groups and assign each group tasks. | Appointed Technicians/Lecturer |
| Monday 14th  October 2019  To  Friday 15th  October 2019 | To interact and learn computing technologies from industry experts | Workshops and talks from industry experts | Appointed Lecturer /Industry expert / Former students |
| Monday 21st  October 2019 | To have students finish up on their software development tasks | Students to finish working on their software development tasks | Damaris Waema |
| Tuesday 22nd October 2019  To  Thursday 24th  October 2019 | To have a final presentation by students on their software development task. | To have a final presentation by students on their software development task. These applications are expected to be fully developed and functional by this time. | Damaris Waema |
| Friday 25th  October 2019 | Submission of logbooks and software documentations(for the software development task) | Students to submit their logbooks as well as their software documentations. | Damaris Waema |