Department of Computer Science

School of Engineering & Technology
Islamic University of Science & Technology
Kashmir, J&K - 192122

LABORATORY INFRASTRUCTURE
Computer Science Lab - I

Department of Computer Science is currently offering two Postgraduate programs of Master of Computer Applications (MCA) and Master of Science in Information Technology (MSc IT) with intake capacity of 60 and 22 respectively. Besides these two academic courses the department has also started the PhD Research program in the year 2019 and has thirteen (13) research scholars registered and guided by four eligible supervisors of the department. Almost 40% of the academic curriculum in the department is based on laboratory work. In order to meet these requirements, the Department of Computer Science has two computer labs; Computer Science Lab - I and Computer Science Lab -II.

Computer Science Lab - I has a separate lab (***Programming Lab - I***) for MCA and M.Sc. IT students and a research lab (***Research Lab - I***) for Ph.D. students. An **IBM Server** used locally in the department is also located in the Computer Science Lab – I. Similarly, **Computer Science Lab - II** is also divided into a separate lab (***Programming Lab - II***) for MCA and M.Sc. IT students and a research lab (***Research Lab - II***) for Ph.D. students. The department has availed licensed software by from time to time for the smooth conduct of lab work at both post graduate and Ph.D. levels. The specific hardware and software infrastructure available in the department is given in the following tables.

COMPUTER SCIENCE LAB - I

Programming Lab - I		
Quantity	**Hardware specification**	**OS specification**
30	**Processor:** Intel i7-vpro 340 GHZ **Processor Speed:** 3.40 GHz **Main Memory:** 4 GB **Secondary** Memory: 400 GB	Windows 8 Pro
Research Lab - I		
10	**Processor:** Intel core-i7-7700CPU **Processor Speed:** 3.60 GHz **Main Memory:** 8 GB **Secondary** 1 TB	Windows 10 Pro

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LABORATORY INFRASTRUCTURE
Computer Science Lab - II
Local IBM Server

COMPUTER SCIENCE LAB - II		
Programming Lab - II		
Quantity	Hardware Specification	OS Specification
31	**Processor:** Intel Core i7 6700 **Processor Speed:** 3.40 GHz **Main Memory:** 4 GB **Secondary** 500 GB	Windows 10 Pro-64 bit
Research Lab - II		
32	**Processor:** Intel Core i7 7700 **Processor Speed:** 3.60 GHz **Main Memory:** 8 GB **Secondary** 1 TB	Windows 10 Pro-64 bit

IBM SERVER						
Server Name	Server Role(s)	CPU Type and Speed	RAM	Hard Disk (s)	Network Card	OS Specification
IBM	Local Server	Quad Core	4 GB	300 GB	2	Windows 2016

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LABORATORY INFRASTRUCTURE
Licensed Software

S.No.	Licensed Software
	LIST OF LICENSED SOFTWARE
S.No.	**Licensed Software**
1	Fortran 77
2	Rational Enterprises Suite
3	Microsoft Office 2016/ 2019
4	Microsoft SQL Server 2017
5	Microsoft Windows Server 2016
6	Microsoft Visual Studio 2017
7	Oracle 10g
8	Microsoft Windows 8 Pro (Pre-installed on 30 Systems)
9	Microsoft Windows 10 Pro (Pre-installed on 72 Systems)