

# CS-1A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Digital Logic Design Mirza Waqar Baig	Introduction to Information and Communication Technology - Lab Muiz Qadir		L U N C H	English Composition and Comprehension - Lab Muhammad Iqbal	
Tuesday	Digital Logic Design Mirza Waqar Baig	Islamic Studies/Ethics Rizwanullah	English Composition and Comprehension - Lab Sadia Ashfaq		English Composition and Comprehension - Lab Sadia Ashfaq English Composition and Comprehension Muhammad Ammar	Linear Algebra Amjad Hussain
Wednesday	Digital Logic Design - Lab Muhammad Arslan		Linear Algebra Amjad Hussain		Islamic Studies/Ethics Rizwanullah	Programming Fundamentals Rizwan ul Haq
Thursday	Programming Fundamentals - Lab Mughees Ismail		English Composition and Comprehension Muhammad Ammar		Programming Fundamentals Rizwan ul Haq	
Friday	English Composition and Comprehension Junaid Shahid					

# CS-1B

Day/Period	I	II	III	1:15-1:45	IV	V	
Monday	Islamic Studies/Ethics Rizwanullah 1	English Composition and Comprehension - Lab Farah Iqbal 1		L U N C H	Digital Logic Design - Lab Mujahid Hussain 1		
Tuesday	Linear Algebra Amjad Hussain 1		Introduction to Information and Communication Technology - Lab Umar Naseer 1		Introduction to Information and Communication Technology - Lab Umar Naseer 1		
Wednesday	English Composition and Comprehension Junaid Shahid 1	Programming Fundamentals - Lab Pariwish Touseef 1				English Composition and Comprehension Muhammad Ammar 1	
Thursday	English Composition and Comprehension - Lab Muhammad Iqbal 1	English Composition and Comprehension - Lab Muhammad Iqbal 1	Programming Fundamentals Rizwan ul Haq 1		Digital Logic Design Muhammad Sajid Iqbal 1	Islamic Studies/Ethics Rizwanullah 1	
	English Composition and Comprehension Junaid Shahid 1						
Friday	English Composition and Comprehension Muhammad Ammar 1	Digital Logic Design Muhammad Sajid Iqbal 1	Programming Fundamentals Rizwan ul Haq 1		Linear Algebra Amjad Hussain 1		

# CS-1C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	English Composition and Comprehension - Lab Rida Akram		English Composition and Comprehension - Lab Junaid Shahid	L U N C H	English Composition and Comprehension - Lab Junaid Shahid	Linear Algebra Amjad Hussain
Tuesday	Digital Logic Design - Lab Mujahid Hussain		Islamic Studies/Ethics Zia Ahmad		Digital Logic Design Dr. Adil Zulfiqar	Programming Fundamentals Dr. Rabia Maqsood
Wednesday	Introduction to Information and Communication Technology - Lab Aqsa Younas				Digital Logic Design Dr. Adil Zulfiqar	Islamic Studies/Ethics Zia Ahmad
Thursday		Linear Algebra Amjad Hussain	English Composition and Comprehension Junaid Shahid English Composition and Comprehension Muhammad Ammar		Programming Fundamentals - Lab Ayesha Liaqat	
Friday		Programming Fundamentals Dr. Rabia Maqsood	English Composition and Comprehension Junaid Shahid		English Composition and Comprehension Muhammad Ammar	

# CS-1D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Islamic Studies/Ethics Zia Ahmad	English Composition and Comprehension - Lab Amna Farooq	English Composition and Comprehension - Lab Amna Farooq English Composition and Comprehension Farah Iqbal	L U N C H	Calculus and Analytical Geometry Dr.Mushtaq Ahmad	
Tuesday	English Composition and Comprehension Sadia Ashfaq		Applied Physics Waheed Ahmad		Introduction to Information and Communication Technology - Lab Aqsa Younas	
Wednesday	Islamic Studies/Ethics Zia Ahmad		English Composition and Comprehension - Lab Rida Akram		English Composition and Comprehension - Lab Rida Akram English Composition and Comprehension Sadia Ashfaq	
Thursday		Programming Fundamentals - Lab Muhammad Azeem Iftikhar			Calculus and Analytical Geometry Dr.Mushtaq Ahmad	Programming Fundamentals Dr. Rabia Maqsood
Friday	Programming Fundamentals Dr. Rabia Maqsood		Applied Physics Waheed Ahmad			English Composition and Comprehension Farah Iqbal

# CS-1E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	English Composition and Comprehension - Lab Mah Rukh 1		English Composition and Comprehension Muhammad Iqbal 1	L U N C H	Programming Fundamentals Dr. Danish Shehzad 1	Calculus and Analytical Geometry Dr. Mushtaq Ahmad 1
Tuesday	Calculus and Analytical Geometry Dr. Mushtaq Ahmad 1	Programming Fundamentals Dr. Danish Shehzad 1	Applied Physics Waheed Ahmad 1		English Composition and Comprehension - Lab Amna Farooq 1	
Wednesday	English Composition and Comprehension Farah Iqbal 1		Pakistan Studies Asif Naveed 1		English Composition and Comprehension Muhammad Iqbal 1	
Thursday	Introduction to Information and Communication Technology - Lab Muiz Qadir 1				Programming Fundamentals - Lab Mughees Ismail 1	
Friday	Pakistan Studies Asif Naveed 1	Applied Physics Waheed Ahmad 1			English Composition and Comprehension Farah Iqbal 1	

# CS-1F

Day/Period	I	II	III	1:15-1:45	IV	V
Monday			<b>Programming Fundamentals</b> <b>Saqib Hayat</b>	<b>L U N C H</b>	<b>Introduction to Information and Communication Technology - Lab</b> <b>Muhammad Haseeb Arshad</b>	
Tuesday	<b>English Composition and Comprehension - Lab</b> <b>Ehtasham-Ul-Haq</b>		<b>Programming Fundamentals - Lab</b> <b>Umar Naseer</b>		<b>Programming Fundamentals - Lab</b> <b>Umar Naseer</b>	
Wednesday	<b>English Composition and Comprehension - Lab</b> <b>Mah Rukh</b>				<b>English Composition and Comprehension</b> <b>Sadia Ashfaq</b>	
Thursday	<b>Pakistan Studies</b> <b>Asif Naveed</b>	<b>Applied Physics</b> <b>Waheed Ahmad</b>	<b>English Composition and Comprehension</b> <b>Muhammad Iqbal</b>		<b>Programming Fundamentals</b> <b>Saqib Hayat</b>	<b>Calculus and Analytical Geometry</b> <b>Dr. Mushtaq Ahmad</b>
Friday	<b>Applied Physics</b> <b>Waheed Ahmad</b>	<b>English Composition and Comprehension</b> <b>Sadia Ashfaq</b> <b>English Composition and Comprehension</b> <b>Muhammad Iqbal</b>			<b>Calculus and Analytical Geometry</b> <b>Dr. Mushtaq Ahmad</b>	<b>Pakistan Studies</b> <b>Asif Naveed</b>

# CS-3A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Data Structures Muhammad Husnain Digital Logic Design Muhammad Irfan Ishaq		Finance & Accounting Agha Mureed Ahmad Khan	L U N C H	Computer Organization and Assembly Language - Lab Abuzar Ghafari Differential Equations Arfan Shahzad Linear Algebra Ghilmana Sarmad	Computer Organization and Assembly Language - Lab Abuzar Ghafari Calculus and Analytical Geometry Bushra Niaz Computer Organization and Assembly Language Abdul Qadeer Bilal
Tuesday	Data Structures - Lab Saba Aslam	Data Structures - Lab Saba Aslam Applied Physics Muhammad Mohsin Hameed	Finance & Accounting Agha Mureed Ahmad Khan		Discrete Structures Dr. Muhammad Ahmad	Calculus and Analytical Geometry Bushra Niaz
Wednesday			Object Oriented Programming Shoaib Saleem		Object Oriented Programming - Lab Muhammad Hannan Farooq	
Thursday	Applied Physics Muhammad Mohsin Hameed				Digital Logic Design Muhammad Irfan Ishaq	Computer Organization and Assembly Language Abdul Qadeer Bilal
Friday	Discrete Structures Dr. Muhammad Ahmad		Data Structures Muhammad Husnain Object Oriented Programming Shoaib Saleem		Differential Equations Arfan Shahzad	Linear Algebra Ghilmana Sarmad

# CS-3B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Fundamentals of Management Muhammad Tayyeb Riaz Object Oriented Programming Dr Usman Habib			L U N C H	Computer Organization and Assembly Language Abdul Qadeer Bilal	
Tuesday	Differential Equations Arfan Shahzad				Computer Orgnaization and Assembly Language - Lab Ali Raza	
Wednesday	Object Oriented Programming - Lab Muhammad Hannan Farooq		Data Structures - Lab Muhammad Hannan Farooq		Data Structures - Lab Muhammad Hannan Farooq	
Thursday	Computer Organization and Assembly Language Abdul Qadeer Bilal	Fundamentals of Management Muhammad Tayyeb Riaz				Discrete Structures Dr. Muhammad Ahmad
Friday	Discrete Structures Dr. Muhammad Ahmad Object Oriented Programming Dr Usman Habib	Differential Equations Arfan Shahzad				



# CS-3C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		Marketing Management Syed Zeeshan Haider <sup>1</sup>
Tuesday					Computer Orgnaization and Assembly Language - Lab Ali Raza <sup>1</sup>	
Wednesday	Data Structures Dr. Hashim Yasin <sup>1</sup>				Differential Equations Arfan Shahzad <sup>1</sup>	
Thursday	Data Structures - Lab Mughees Ismail <sup>1</sup>		Differential Equations Arfan Shahzad <sup>1</sup>			
Friday	Marketing Management Syed Zeeshan Haider <sup>1</sup>					Data Structures Dr. Hashim Yasin <sup>1</sup>

# CS-3D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H	Data Structures Muhammad Usman Joyia <sup>1</sup>	Marketing Management Syed Zeeshan Haider <sup>1</sup>
Tuesday						Differential Equations Muhammad Waqas Javed <sup>1</sup>
Wednesday		Marketing Management Syed Zeeshan Haider <sup>1</sup>	Data Structures - Lab Saba Aslam <sup>1</sup>		Data Structures - Lab Saba Aslam <sup>1</sup>	Differential Equations Muhammad Waqas Javed <sup>1</sup>
Thursday	Computer Orgnaization and Assembly Language - Lab Ali Raza <sup>1</sup>					Data Structures Muhammad Usman Joyia <sup>1</sup>
Friday			Discrete Structures Usman Ghous <sup>1</sup>			Discrete Structures Usman Ghous <sup>1</sup>

# CS-3E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Differential Equations Hayat Ali <sup>1</sup>			L U N C H		
Tuesday	Computer Organization and Assembly Language - Lab Abuzar Ghafari <sup>1</sup>					
Wednesday					Finance & Accounting Agha Mureed Ahmad Khan <sup>1</sup>	
Thursday						
Friday			Differential Equations Hayat Ali <sup>1</sup>			Finance & Accounting Agha Mureed Ahmad Khan <sup>1</sup>

# CS-5A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		<b>Web Programming</b> <b>Muhammad Shahrose Khan</b> 1		<b>L U N C H</b>	<b>Computer Networks - Lab</b> <b>Ayesha Liaqat</b> 1	
Tuesday		<b>Probability and Statistics</b> <b>Haris Khurram</b> 1			<b>Theory of Automata</b> <b>Anmol Bilal</b> 1	
Wednesday	<b>Computer Networks</b> <b>Masood Habib</b> 1	<b>Theory of Automata</b> <b>Anmol Bilal</b> 1				<b>Probability and Statistics</b> <b>Haris Khurram</b> 1
Thursday		<b>Software Design and Analysis</b> <b>Dr. Muhammad Bilal</b> 1				
Friday	<b>Web Programming</b> <b>Muhammad Shahrose Khan</b> 1				<b>Software Design and Analysis</b> <b>Dr. Muhammad Bilal</b> 1	<b>Computer Networks</b> <b>Masood Habib</b> 1

# CS-5B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday			Computer Networks - Lab Ayesha Liaqat 1	L U N C H	Computer Networks - Lab Ayesha Liaqat 1	Web Programming Muhammad Shahrose Khan 1
Tuesday		Theory of Automata Anmol Bilal 1				Computer Networks Dr. Bilal Khan 1
Wednesday	Marketing Management Hafiz MZeeshan Raza 1	Software Design and Analysis Dr. Muhammad Bilal 1				Computer Networks Dr. Bilal Khan 1
Thursday		Web Programming Muhammad Shahrose Khan 1			Software Design and Analysis Dr. Muhammad Bilal 1	
Friday	Theory of Automata Anmol Bilal 1		Marketing Management Hafiz MZeeshan Raza 1			

# CS-5C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Probability and Statistics Haris Khurram 1	Computer Networks Dr. Bilal Khan 1	Computer Networks - Lab Sumaira Mustafa 1	L U N C H	Computer Networks - Lab Sumaira Mustafa 1	Software Design and Analysis Dr. Uzair Iqbal 1
Tuesday			Software Design and Analysis Dr. Uzair Iqbal 1			
Wednesday	Advanced Programming Awaiz Azam 1					
Thursday	Theory of Automata Numan Shafi 1	Advanced Programming Awaiz Azam 1	Theory of Automata Numan Shafi 1		Probability and Statistics Haris Khurram 1	
Friday			Computer Networks Dr. Bilal Khan 1			

# CS-5D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday			Discrete Structures Usman Ghous1	L U N C H	Operating System Usman Ghous1	Database Systems Saqib Hayat1
Tuesday		Discrete Structures Usman Ghous1	Operating System Usman Ghous1		Database Systems - Lab Saqib Hayat1	
Wednesday	Psychology Aisha Bano1	Theory of Automata Numan Shafi1				
Thursday	Database Systems Saqib Hayat1				Operating Systems - Lab Muhammad Haseeb Arshad1	
Friday		Design and Analysis of Algorithms Shoaib Saleem1			Psychology Aisha Bano1	Design and Analysis of Algorithms Shoaib Saleem1

# CS-5E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		Theory of Automata Numan Shafi1
Tuesday	Database Systems - Lab Muhammad Shahrose Khan1				Design and Analysis of Algorithms Shoaib Saleem1	
Wednesday			Theory of Automata Numan Shafi1			Design and Analysis of Algorithms Shoaib Saleem1
Thursday		Operating Systems - Lab Muhammad Yousaf1			Psychology Aisha Bano1	
Friday	Database Systems Aliza Saeed1					



# CS-7A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Software Engineering Awais Azam 1			L U N C H	Professional Practices in IT Rizwan ul Haq 1	
Tuesday	Data Science Adeel Ashraf Cheema 1		Software Engineering Awais Azam 1			
Wednesday	Information Security Dr. Danish Shehzad 1		Artificial Intelligence Dr. Shah Nawaz Qureshi 1		Artificial Intelligence Dr. Shah Nawaz Qureshi 1	Data Mining Dr. Rabia Maqsood 1
Thursday	Artificial Intelligence - Lab Saba Aslam 1					
Friday			Data Mining Dr. Rabia Maqsood 1		Data Science Adeel Ashraf Cheema 1	Professional Practices in IT Rizwan ul Haq 1

# CS-7B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Data Science Adeel Ashraf Cheema 1	Data Mining Nasreen Akhtar 1	L U N C H	Information Security Dr. Danish Shehzad 1	Data Science Adeel Ashraf Cheema 1
Tuesday		Information Security Dr. Danish Shehzad 1	Data Mining Nasreen Akhtar 1		Professional Practices in IT Masood Habib 1	Software Engineering Awais Azam 1
Wednesday			Professional Practices in IT Masood Habib 1			
Thursday						
Friday						Software Engineering Awais Azam 1

# CS-7C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Information Security Dr. Irfan ul Haq		1	L U N C H		Professional Practices in IT Masood Habib
Tuesday		Software for Mobile Devices - Lab Tahir Farooq				
Wednesday					Applied Machine Learning Dr. Hashim Yasin	Professional Practices in IT Masood Habib
Thursday					Applied Machine Learning Dr. Hashim Yasin	
Friday						

CS-7D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Applied Machine Learning Dr. Hashim Yasin1			L U N C H		
Tuesday					Professional Practices in IT Tehreem Aslam1	
Wednesday			Software for Mobile Devices - Lab Tahir Farooq1		Software for Mobile Devices - Lab Tahir Farooq1	
Thursday		Information Security Dr. Muhammad Umar Aftab1	Applied Machine Learning Dr. Hashim Yasin1			
Friday	Professional Practices in IT Tehreem Aslam1		Information Security Dr. Muhammad Umar Aftab1			

# CS-7E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Software Testing Dr. Uzair Iqbal 1		L U N C H		Professional Practices in IT Tehreem Aslam 1
Tuesday		Fundamentals of Software Project Management Dr. Muhammad Bilal 1				Information Security Dr. Muhammad Umar Aftab 1
Wednesday		Professional Practices in IT Tehreem Aslam 1			Fundamentals of Software Project Management Dr. Muhammad Bilal 1	Information Security Dr. Muhammad Umar Aftab 1
Thursday						
Friday						Software Testing Dr. Uzair Iqbal 1

CS-7F

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		
Tuesday			Software Testing Dr. Uzair Iqbal1			
Wednesday		Remote Sensing and GIS Dr M. Shahzad Sarfraz1				
Thursday					Remote Sensing and GIS Dr M. Shahzad Sarfraz1	
Friday						Software Testing Dr. Uzair Iqbal1

CS-9A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday			Computer Architecture Muhammad Usman Joyia <sup>1</sup>	L U N C H		
Tuesday						
Wednesday						Computer Architecture Muhammad Usman Joyia <sup>1</sup>
Thursday		Software for Mobile Devices - Lab No-Teacher <sup>1</sup>				
Friday						

# SE-1A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	English Composition and Comprehension - Lab Ehtasham-Ul-Haq English Composition and Comprehension Sadia Ashfaq	English Composition and Comprehension - Lab Ehtasham-Ul-Haq	Applied Physics Waheed Ahmad	L U N C H		Calculus and Analytical Geometry Bushra Niaz
Tuesday	Applied Physics Waheed Ahmad	English Composition and Comprehension Farah Iqbal	Programming Fundamentals - Lab Sumaira Mustafa		Programming Fundamentals - Lab Sumaira Mustafa	
Wednesday	English Composition and Comprehension Farah Iqbal English Composition and Comprehension Sadia Ashfaq		Introduction to Information and Communication Technology - Lab Umar Naseer		Introduction to Information and Communication Technology - Lab Umar Naseer	Programming Fundamentals Sumaira Mustafa
Thursday	English Composition and Comprehension - Lab Muhammad Ammar		Programming Fundamentals Sumaira Mustafa			Calculus and Analytical Geometry Bushra Niaz
Friday					Pakistan Studies Asma Yaqoob	



# SE-1B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Applied Physics Dr. Arslan Ahmed Amin		L U N C H	Introduction to Information and Communication Technology - Lab Muhammad Haseeb Arshad	
Tuesday		English Composition and Comprehension - Lab Sadia Ashfaq English Composition and Comprehension Rida Akram	English Composition and Comprehension - Lab Sadia Ashfaq		Programming Fundamentals Aliza Saeed	English Composition and Comprehension Muhammad Iqbal
Wednesday		Programming Fundamentals - Lab Aliza Saeed			Calculus and Analytical Geometry Bushra Niaz	Pakistan Studies Zainab Javeed
Thursday	English Composition and Comprehension - Lab Farah Iqbal English Composition and Comprehension Muhammad Iqbal	English Composition and Comprehension - Lab Farah Iqbal				
Friday	English Composition and Comprehension Rida Akram	Calculus and Analytical Geometry Bushra Niaz	Programming Fundamentals Aliza Saeed		Applied Physics Dr. Arslan Ahmed Amin	Pakistan Studies Zainab Javeed

# SE-3A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Marketing Management Hafiz.MZeeshan Raza 1	Human Computer Interaction Dr. Shahnawaz Qureshi 1		L U N C H	Human Computer Interaction Dr. Shahnawaz Qureshi 1	Marketing Management Hafiz.MZeeshan Raza 1
Tuesday		Data Structures Muhammad Usman Joyia 1	Linear Algebra Ghilmana Sarmad 1		Data Structures - Lab Aqsa Younas 1	
Wednesday		Object Oriented Programming Dr Usman Habib 1	Object Oriented Programming - Lab Muhammad Yousaf 1		Object Oriented Programming - Lab Muhammad Yousaf 1	
Thursday		Object Oriented Programming Dr Usman Habib 1	Linear Algebra Ghilmana Sarmad 1		Data Structures Muhammad Usman Joyia 1	
Friday	Software Requirement Engineering Pariwish Touseef 1				Software Requirement Engineering Pariwish Touseef 1	

# SE-3B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Data Structures - Lab Asif Ameer		L U N C H		
Tuesday		Finance & Accounting Muhammad Nasif	Data Structures Asif Ameer		Software Requirement Engineering Pariwish Touseef	Human Computer Interaction Dr. Shahnawaz Qureshi
Wednesday					Finance & Accounting Muhammad Nasif	
Thursday			Data Structures Asif Ameer			Linear Algebra Ghilmana Sarmad
Friday			Linear Algebra Ghilmana Sarmad		Software Requirement Engineering Pariwish Touseef	Human Computer Interaction Dr. Shahnawaz Qureshi

# SE-5A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Database Systems - Lab Nasreen Akhtar		Operating Systems Muhammad Husnain	L U N C H	Software Construction and Development - Lab Muhammad Azeem Iftikhar	
Tuesday	Technical and Business Writing Muhammad Nouman Iftikhar		Operation Research Dr. Muhammad Imran Babar Software Construction and Development Dr. Affan Rauf			
Wednesday	Probability and Statistics Haris Khurram	Operating Systems - Lab Muhammad Yousaf			Database Systems Nasreen Akhtar	Technical and Business Writing Muhammad Nouman Iftikhar
Thursday		Database Systems Nasreen Akhtar	Operation Research Dr. Muhammad Imran Babar		Operating Systems Muhammad Husnain	
Friday	Probability and Statistics Haris Khurram		Software Quality Engineering Tehreem Aslam		Software Construction and Development Dr. Affan Rauf	Software Quality Engineering Tehreem Aslam

# SE-5B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Software Construction and Development Dr. Affan Rauf <sup>1</sup>	Probability and Statistics Haris Khurram <sup>1</sup>		L U N C H	Software Quality Engineering Abdul Qadeer Bilal <sup>1</sup>	
Tuesday			Technical and Business Writing Muhammad Nouman Iftikhar <sup>1</sup>			
Wednesday			Operation Research Dr. Muhammad Imran Babar <sup>1</sup>			
Thursday	Software Construction and Development Dr. Affan Rauf <sup>1</sup>	Technical and Business Writing Muhammad Nouman Iftikhar <sup>1</sup>			Software Construction and Development - Lab Muhammad Azeem Iftikhar <sup>1</sup>	
Friday	Operation Research Dr. Muhammad Imran Babar <sup>1</sup>				Software Quality Engineering Abdul Qadeer Bilal <sup>1</sup>	Probability and Statistics Haris Khurram <sup>1</sup>