

# CS-1A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	English Composition and Comprehension Junaid Shahid1	Programming Fundamentals Rizwan ul Haq1	Islamic Studies/Ethics Rizwanullah1	L U N C H	Digital Logic Design Mirza Waqar Baig1	
Tuesday	English Composition and Comprehension Muhammad Ammar1	Islamic Studies/Ethics Rizwanullah1	Linear Algebra Amjad Hussain1			
Wednesday		Introduction to Information and Communication Technology - Lab Muiz Qadir1			English Composition and Comprehension - Lab Sadia Ashfaq1	
Thursday		Programming Fundamentals - Lab Mughees Ismail1			Digital Logic Design - Lab Muhammad Arslan1	
Friday	English Composition and Comprehension Muhammad Ammar1	Linear Algebra Amjad Hussain1	Digital Logic Design Mirza Waqar Baig1		Programming Fundamentals Rizwan ul Haq1	
	English Composition and Comprehension Junaid Shahid1					

# CS-1B

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

# CS-1C

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

# CS-1D

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

# CS-1E

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

# CS-1F

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

# CS-3A

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

# CS-3B

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



# CS-3C

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

# CS-3D

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

# CS-3E

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

# CS-5A

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

# CS-5B

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

# CS-5C

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

# CS-5D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Database Systems Saqib Hayat 1		Operating System Usman Ghous 1	L U N C H	Operating Systems - Lab Muhammad Haseeb Arshad 1	
Tuesday					Theory of Automata Numan Shafi 1	Design and Analysis of Algorithms Shoaib Saleem 1 Discrete Structures Usman Ghous 1
Wednesday	Design and Analysis of Algorithms Shoaib Saleem 1	Psychology Aisha Bano 1	Database Systems - Lab Saqib Hayat 1		Database Systems - Lab Saqib Hayat 1	
Thursday	Operating System Usman Ghous 1	Theory of Automata Numan Shafi 1	Psychology Aisha Bano 1		Database Systems Saqib Hayat 1	
Friday			Discrete Structures Usman Ghous 1			

# CS-5E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H	Theory of Automata Numan Shafi <sup>1</sup>	
Tuesday	Psychology Aisha Bano <sup>1</sup>					
Wednesday		Design and Analysis of Algorithms Shoaib Saleem <sup>1</sup>	Database Systems - Lab Muhammad Shahrose Khan <sup>1</sup> Operating Systems - Lab Muhammad Yousaf <sup>1</sup>		Database Systems - Lab Muhammad Shahrose Khan <sup>1</sup> Operating Systems - Lab Muhammad Yousaf <sup>1</sup>	Database Systems Aliza Saeed <sup>1</sup>
Thursday			Theory of Automata Numan Shafi <sup>1</sup>			
Friday		Database Systems Aliza Saeed <sup>1</sup>	Design and Analysis of Algorithms Shoaib Saleem <sup>1</sup>		Psychology Aisha Bano <sup>1</sup>	



# CS-7A

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

# CS-7B

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

# CS-7C

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

CS-7D

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

# CS-7E

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

CS-7F

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

CS-9A

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

# SE-1A

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



# SE-1B

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

# SE-3A

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

# SE-3B

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

# SE-5A

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

# SE-5B

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