CS-1A

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

CS-1B

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday	English Composition and Comprehension 1 Muhammad Ammar	English Composition and C	Comprehension - Lab 1		Digital Logic Design - Lab Mujahid Hussain	1
Tuesday	English Composition and Comprehension 1 Junaid Shahid	Digital Logic Design 1 Muhammad Sajid Iqbal	Introduction to Information and Communication Technology - Lab 1 Umar Naseer		Introduction to Information and Communication Technology - Lab 1 Umar Naseer	Islamic Studies/Ethics 1 Rizwanullah
Wednesday	Linear Algebra 1 Amjad Hussain	Programming Fundamentals - Lab 1 Pariwish Touseef		L U N C H		Programming Fundamentals 1 Rizwan ul Haq
Thursday	English Composition and Comprehension - Lab 1 Muhammad Iqbal	English Composition and Comprehension - Lab 1 Muhammad Iqbal English Composition and Comprehension 1 Junaid Shahid	English Composition and Comprehension 1 Muhammad Ammar			
Friday	Digital Logic Design 1 Muhammad Sajid Iqbal		Programming Fundamentals 1 Rizwan ul Haq		Islamic Studies/Ethics 1 Rizwanullah	Linear Algebra 1 Amjad Hussain

CS-1C

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

CS-1D

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday	Applied Physics 1 Waheed Ahmad	Calculus and Analytical Geometry 1 Dr.Mushtaq Ahmad	English Composition and Comprehension - Lab 1 Rida Akram English Composition and Comprehension 1 Sadia Ashfaq		English Composition and Comprehension - Lab 1 Rida Akram	
Tuesday	Technology - Lab		Calculus and Analytical Geometry 1 Dr.Mushtaq Ahmad		English Composition and Comprehension 1 Sadia Ashfaq	English Composition and Comprehension 1 Farah Iqbal
Wednesday	English Composition and Comprehension - Lab 1 Amna Farooq	English Composition and Comprehension - Lab 1 Amna Farooq English Composition and Comprehension 1 Farah Iqbal	Islamic Studies/Ethics 1 Zia Ahmad	L U N C H		Programming Fundamentals 1 Dr. Rabia Maqsood
Thursday			Applied Physics 1 Waheed Ahmad		Programming Fundamenta Muhammad Azeem Iftikha	1
Friday		Programming Fundamentals 1 Dr. Rabia Maqsood	Islamic Studies/Ethics 1 Zia Ahmad			

CS-1E

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday		Introduction to Information Technology - Lab	on and Communication		English Composition and C	Comprehensi on - Lab 1
Tuesday		Pakistan Studies 1 Asif Naveed	Applied Physics 1 Waheed Ahmad		Programming Fundamenta Mughees Ismail	ıls - Lab
Wednesday	Applied Physics 1 Waheed Ahmad	Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad	English Composition and Comprehension 1 Muhammad Iqbal	L U N C H	Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad	English Composition and Comprehension 1 Farah Iqbal
Thursday		English Composition and Comprehension - Lab 1 Mah Rukh English Composition and Comprehension 1 Farah Iqbal	English Composition and Comprehension - Lab 1 Mah Rukh		Programming Fundamentals 1 Dr. Danish Shehzad	English Composition and Comprehension 1 Muhammad Iqbal
Friday					Pakistan Studies 1 Asif Naveed	Programming Fundamentals 1 Dr. Danish Shehzad

CS-1F

Day/Peri od	I	п	ш	1:15-1:45	īv	v
Monday	Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad	Programming Fundamentals 1 Saqib Hayat			English Composition and C	Comprehensi on - Lab
Tuesday		Pakistan Studies 1 Asif Naveed			English Composition and C	Comprehensi on - Lab
Wednesday	Introduction to Information and Communication Technology - Lab 1 Muhammad Haseeb Arshad		Programming Fundamentals 1 Saqib Hayat	L U N C H	English Composition and Comprehension 1 Sadia Ashfaq	
Thursday	English Composition and Comprehension 1 Muhammad Iqbal	Pakistan Studies 1 Asif Naveed	Programming Fundamentals - Lab 1 Umar Naseer		Programming Fundamentals - Lab 1 Umar Naseer	Applied Physics 1 Waheed Ahmad
Friday	English Composition and Comprehension 1 Muhammad Iqbal	English Composition and Comprehension 1 Sadia Ashfaq	Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad			Applied Physics 1 Waheed Ahmad

CS-3A

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

CS-3B

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

CS-3C

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday						Data Structures 1 Dr. Hashim Yasin
Tuesday	Marketing Management 1 Syed Zeeshan Haider				Computer Orgnaization an	d Assembly Language - Lab
Wednesday		Differential Equations 1 Arfan Shahzad		L U N C H	Differential Equations 1 Arfan Shahzad	
Thursday	Data Structures - Lab Mughees Ismail	1				
Friday		Marketing Management 1 Syed Zeeshan Haider			Data Structures 1 Dr. Hashim Yasin	

CS-3D

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

CS-3E

Day/Peri od	I	II	ш	1:15-1:45	IV	v
Monday			Computer Organization and Assembly Language - Lab 1 Abuzar Ghafari		Computer Organization and Assembly Language - Lab 1 Abuzar Ghafari	Finance & Accounting 1 Agha Mureed Ahmad Khan
Tuesday	Differential Equations 1 Hayat Ali					
Wednesday				L U N C H		
Thursday						
Friday			Finance & Accounting 1 Agha Mureed Ahmad Khan		Differential Equations 1 Hayat Ali	

CS-5A

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

CS-5B

Day/Period	I	п	ш	1:15-1:45	īV	v
Monday		Web Programming 1 Muhammad Shahrose Khan				
Tuesday		Theory of Automata Annuol Bilal	1			Computer Networks 1 Dr. Bilal Khan
Wednesday		Marketing Management 1 Hafiz M.Zeeshan Raza	Computer Networks - Lab 1 Ayesha Liaqat	L U N C H	Computer Networks - Lab 1 Ayesha Liaqat	
Thursday	Marketing Management 1 Hafiz M.Zeeshan Raza		Web Programming 1 Muhammad Shahrose Khan		Software Design and Analy Dr. Muhammad Bilal	sis 1
Friday			Computer Networks 1 Dr. Bilal Khan			

CS-5C

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday		Probability and Statistics Haris Khurram	1			Advanced Programming 1 Awais Azam
Tuesday	Computer Networks - Lab Sumaira Mustafa	1	Computer Networks 1 Dr. Bilal Khan			
Wednesday			Theory of Automata 1 Numan Shafi	L U N C H	Advanced Programming 1 Awais Azam	
Thursday	Theory of Automata 1 Numan Shafi	Software Design and Analysis 1 Dr. Uzair Iqbal			Software Design and Analysis 1 Dr. Uzair Iqbal	
Friday						Computer Networks 1 Dr. Bilal Khan

CS-5D

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

CS-5E

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday		Database Systems 1 Aliza Saced			Database Systems 1 Aliza Saced	Theory of Automata 1 Numan Shafi
Tuesday	Database Systems - Lab 1 Muhammad Shahrose Khan Psychology 1 Aisha Bano	Database Systems - Lab 1 Muhammad Shahrose Khan			Design and Analysis of Algorithms 1 Shoaib Saleem	
Wednesday			Design and Analysis of Algorithms 1 Shoaib Saleem	L U N C H		
Thursday		Operating Systems - Lab Muhammad Yousaf	1			Theory of Automata 1 Numan Shafi
Friday					Psychology 1 Aisha Bano	

CS-7A

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

CS-7B

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

CS-7C

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

CS-7D

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

CS-7E

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday			Professional Practices in IT 1 Tehreem Aslam			
Tuesday						
Wednesday		Information Security 1 Dr. Muhammad Umar Aftab		L U N C H	Information Security 1 Dr. Muhammad Umar Aftab	
Thursday		Software Testing 1 Dr. Uzair Iqbal	Fundamentals of Software Project Management 1 Dr. Muhammad Bilal		Software Testing 1 Dr. Uzair Iqbal	
Friday	Fundamentals of Software Project Management 1 Dr. Muhammad Bilal					Professional Practices in IT 1 Tehreem Aslam

CS-7F

Day/Peri od	I	п	ш	1:15-1:45	IV	v
Monday						
Tuesday		Remote Sensing and GIS 1 Dr M. Shahzad Sarfraz				
Wednesday				L U N C H		
Thursday			Software Testing 1 Dr. Uzair Iqbal			Remote Sensing and GIS 1 Dr M. Shahzad Sarfraz
Friday						Software Testing 1 Dr. Uzair Iqbal

CS-9A

Day/Peri od	I	п	ш	1:15-1:45	IV	v
Monday						
Tuesday	Software for Mobile Devices - Lab No-Teacher					
Wednesday				L U N C H		
Thursday	Computer Architecture 1 Muhammad Usman Joyia					
Friday			Computer Architecture 1 Muhammad Usman Joyia			

SE-1A

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

SE-1B

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

SE-3A

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday	Software Requirement Engi Pariwish Touseef	ineering 1	Object Oriented Programming 1 Dr Usman Habib		Object Oriented Programming 1 Dr Usman Habib	Marketing Management 1 Hafiz M.Zeeshan Raza
Tuesday	Marketing Management 1 Hafiz M.Zeeshan Raza		Linear Algebra 1 Ghilmana Sarmad		Data Structures - Lab Aqsa Younas	1
Wednesday			Object Oriented Programming - Lab 1 Muhammad Yousaf	L U N C H	Object Oriented Programming - Lab 1 Muhammad Yousaf	
Thursday	Data Structures 1 Muhammad Usman Joyia		Human Computer Interaction 1 Dr. Shahnawaz Qureshi			Linear Algebra 1 Ghilmana Sarmad
Friday	Data Structures 1 Muhammad Usman Joyia		Human Computer Interaction 1 Dr. Shahnawaz Qureshi			

SE-3B

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday		Data Structures - Lab Asif Ameer	1		Linear Algebra 1 Ghilmana Sarmad	
Tuesday					Human Computer Interaction 1 Dr. Shahnawaz Qureshi	Finance & Accounting 1 Muhammad Nasif
Wednesday			Linear Algebra 1 Ghilmana Sarmad	L U N C		Software Requirement Engineering 1 Pariwish Touseef
Thursday		Data Structures 1 Asif Ameer	Finance & Accounting 1 Muhammad Nasif		Human Computer Interaction 1 Dr. Shahnawaz Qureshi	
Friday		Software Requirement Engineering 1 Pariwish Touseef			Data Structures 1 Asif Ameer	

SE-5A

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

SE-5B

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday						
Tuesday	Technical and Business Writing 1 Muhammad Nouman Iftikhar				Software Quality Engineering 1 Abdul Qadeer Bilal	Operation Research 1 Dr. Muhammad Imran Babar
Wednesday	Software Construction and Development 1 Dr. Affan Rauf	Technical and Business Writing 1 Muhammad Nouman Iftikhar		L U N C H		
Thursday			Probability and Statistics 1 Haris Khurram		Software Construction and Muhammad Azeem Iftikha	1
Friday		Probability and Statistics 1 Haris Khurram	Operation Research 1 Dr. Muhammad Imran Babar		Software Quality Engineering 1 Abdul Qadeer Bilal	Software Construction and Development 1 Dr. Affan Rauf