CS-1A

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

CS-1B

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

CS-1C

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

CS-1D

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

CS-1E

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

CS-1F

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

CS-3A

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

CS-3B

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday	Object Oriented Programming - Lab 1 Muhammad Hannan Farooq Fundamentals of Management 1 Muhammad Tayyeb Riaz	Object Oriented Programming - Lab 1 Muhammad Hannan Farooq Discrete Structures 1 Dr. Muhammad Ahmad			Computer Orgnaization an Ali Raza	d Assembly Language - Lab
Tuesday					Data Structures - Lab Muhammad Hannan Faroo	q
Wednesday	Object Oriented Programming 1 Dr Usman Habib	Discrete Structures 1 Dr. Muhammad Ahmad Object Oriented Programming 1 Dr Usman Habib	Computer Organization and Assembly Language 1 Abdul Qadeer Bilal	L U N C H	Fundamentals of Management 1 Muhammad Tayyeb Riaz	Computer Organization and Assembly Language 1 Abdul Qadeer Bilal
Thursday						
Friday	Differential Equations 1 Arfan Shahzad					Differential Equations 1 Arfan Shahzad

CS-3C

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

CS-3D

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday			Differential Equations 1 Muhammad Waqas Javed			Discrete Structures 1 Usman Ghous
Tuesday		Data Structures 1 Muhammad Usman Joyia				Differential Equations 1 Muhammad Waqas Javed
Wednesday	Discrete Structures 1 Usman Ghous		Data Structures - Lab 1 Saba Asl am	L U N C H	Data Structures - Lab 1 Saba Asl am	
Thursday	Computer Orgnaization an	d Assembly Language - Lab 1	Marketing Management 1 Syed Zeeshan Haider			Marketing Management 1 Syed Zeeshan Haider
Friday					Data Structures 1 Muhammad Usman Joyia	

CS-3E

Day/Period	I	П	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	
Tuesday	Differential Equations 1 Hayat Ali		Differential Equations 1 Hayat Ali			Finance & Accounting 1 Agha Mureed Ahmad Khan
Wednesday	Finance & Accounting 1 Agha Mureed Ahmad Khan			L U N C H		
Thursday						
Friday						

CS-5A

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday			Computer Networks - Lab 1 Ayesha Liaqat		Computer Networks - Lab 1 Ayesha Liaqat	Software Design and Analysis 1 Dr. Muhammad Bilal
Tuesday	Theory of Automata 1 Anmol Bilal					
Wednesday	Probability and Statistics 1 Haris Khurram			L U N C H	Web Programming 1 Muhammad Shahrose Khan	
Thursday		Computer Networks 1 Masood Habib				Probability and Statistics 1 Haris Khurram
Friday	Computer Networks 1 Masood Habib	Theory of Automata 1 Anmol Bilal			Software Design and Analysis 1 Dr. Muhammad Bilal	Web Programming 1 Muhammad Shahrose Khan

CS-5B

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

CS-5C

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

CS-5D

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

CS-5E

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

CS-7A

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

CS-7B

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

CS-7C

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

CS-7D

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

CS-7E

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

CS-7F

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

CS-9A

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

SE-1A

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

SE-1B

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

SE-3A

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday	Linear Algebra 1 Ghilmana Sarmad		Human Computer Interaction 1 Dr. Shahnawaz Qureshi			
Tuesday		Data Structures 1 Muhammad Usman Joyia	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		Marketing Management 1 Hafiz M.Zeeshan Raza	Software Requirement Engineering 1 Pariwish Touseef			Object Oriented Programming 1 Dr Usman Habib
Friday	Software Requirement Engineering 1 Pariwish Touseef		Data Structures 1 Muhammad Usman Joyia Object Oriented Programming 1 Dr Usman Habib		Marketing Management 1 Hafiz M.Zeeshan Raza	Human Computer Interaction 1 Dr. Shahnawaz Qureshi

SE-3B

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

SE-5A

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

SE-5B

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