CS-1A

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

CS-1B

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

CS-1C

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

CS-1D

Day/Peri od	I	п	ш	1:15-1:45	IV	v
Monday		English Composition and Comprehension 1 Farah Iqbal	English Composition and Comprehension - Lab 1 Rida Akram		English Composition and Comprehension - Lab 1 Rida Akram English Composition and Comprehension 1 Sadia Ashfaq	Islamic Studies/Ethics 1 Zia Ahmad
Tuesday	Introduction to Information and Communication Technology - Lab 1 Aqsa Younas					Calculus and Analytical Geometry 1 Dr.Mushtaq Ahmad
Wednesday	English Composition and Comprehension - Lab Amna Farooq		Applied Physics 1 Waheed Ahmad	L U N C H		English Composition and Comprehension 1 Farah Iqbal
Thursday	Islamic Studies/Ethics 1 Zia Ahmad		Calculus and Analytical Geometry 1 Dr.Mushtaq Ahmad		Programming Fundamenta Muhammad Azeem Iftikha	1
Friday	English Composition and Comprehension 1 Sadia Ashfaq Programming Fundamenta Dr. Rabia Maqsood		als 1			Applied Physics 1 Waheed 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	Comprehension - Lab
Tuesday	English Composition and Comprehension 1 Farah Iqbal	Applied Physics 1 Waheed Ahmad	Programming Fundamentals 1 Dr. Danish Shehzad		Programming Fundamenta Mughees Ismail	ıls - Lab
Wednesday	English Composition and Comprehension 1 Farah Iqbal			L U N C H	English Composition and Comprehension 1 Muhammad Iqbal	Applied Physics 1 Waheed Ahmad
Thursday		English Composition and Comprehension - Lab 1 Mah Rukh				Pakistan Studies 1 Asif Naveed
Friday	Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad	English Composition and Comprehension 1 Muhammad Iqbal	Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad			Pakistan Studies 1 Asif Naveed

CS-1F

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

CS-3A

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

CS-3B

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

CS-3C

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

CS-3D

Day/Period	ī	II	ш	1:15-1:45	IV	v
Monday	Marketing Management 1 Syed Zeeshan Haider					Data Structures 1 Muhammad Usman Joyia
Tuesday	Marketing Management 1 Syed Zeeshan Haider					
Wednesday			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					
Friday	Differential Equations 1 Muhammad Waqas Javed	Discrete Structures 1 Usman Ghous	Data Structures 1 Muhammad Usman Joyia		Discrete Structures 1 Usman Ghous	Differential Equations 1 Muhammad Waqas Javed

CS-3E

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

CS-5A

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

CS-5B

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday						Web Programming 1 Muhammad Shahrose Khan
Tuesday	Software Design and Analysis 1 Dr. Muhammad Bilal	Computer Networks 1 Dr. Bilal Khan			Software Design and Analysis 1 Dr. Muhammad Bilal	
Wednesday	Computer Networks 1 Dr. Bilal Khan		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	Theory of Automata 1 Anmol Bilal		Theory of Automata 1 Anmol Bilal	
Friday						Marketing Management 1 Hafiz M.Zeeshan Raza

CS-5C

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

CS-5D

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday		Database Systems 1 Saqib Hayat				Psychology 1 Aisha Bano
Tuesday	Discrete Structures 1 Usman Ghous		Operating System 1 Usman Ghous		Database Systems - Lab Saqib Hayat	1
Wednesday			Discrete Structures 1 Usman Ghous	L U N C H	Design and Analysis of Algorithms 1 Shoaib Saleem	Database Systems 1 Saqib Hayat
Thursday	Operating System 1 Usman Ghous		Psychology 1 Aisha Bano		Operating Systems - Lab Muhammad Haseeb Arshad	1 I
Friday	Theory of Automata 1 Numan Shafi	Design and Analysis of Algorithms 1 Shoaib Saleem			Theory of Automata 1 Numan Shafi	

CS-5E

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

CS-7A

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

CS-7B

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

CS-7C

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

CS-7D

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

CS-7E

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

CS-7F

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

CS-9A

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

SE-1A

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

SE-1B

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

SE-3A

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

SE-3B

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

SE-5A

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

SE-5B

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