### 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	Comprehension - 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	Digital Logic Design 1 Mirza Waqar Baig
Wednesday	Digital Logic Design - Lab Muhammad Arslan	1	Programming Fundamentals 1 Rizwan ul Haq	L U N C H	English Composition and Comprehension 1 Muhammad Ammar	Linear Algebra 1 Amjad Hussain
Thursday	Programming Fundamenta  Mughees Ismail	ıls - Lab 1	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			English Composition and Comprehension 1 Junaid Shahid

### CS-1B

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

### CS-1C

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

### CS-1D

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday	Islamic Studies/Ethics 1 Zia Ahmad	English Composition and Comprehension 1 Sadia Ashfaq	English Composition and Comprehension - Lab 1 Rida Akram		English Composition and Comprehension - Lab 1 Rida Akram	
Tuesday	Introduction to Information and Communication Technology - Lab  1 Aqsa Younas					Programming Fundamentals 1 Dr. Rabia Maqsood
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	Programming Fundamentals 1 Dr. Rabia Maqsood
Thursday	Calculus and Analytical Geometry  1 Dr.Mushtaq Ahmad  English Composition and Comprehension  1 Sadia Ashfaq		English Composition and Comprehension 1 Farah Iqbal		Programming Fundamentals - Lab  Muhammad Azeem Iftikhar	
Friday		Calculus and Analytical Geometry 1 Dr.Mushtaq Ahmad	Islamic Studies/Ethics 1 Zia Ahmad		Applied Physics 1 Waheed Ahmad	

## CS-1E

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

### CS-1F

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

### CS-3A

Day/Period	ī	11	ш	1:15-1:45	IV	v
Monday	Finance & Accounting  1  Agha Mureed Ahmad Khan	Computer Organization and Assembly Language - Lab 1 Abuzar Ghafari	Computer Organization and Assembly Language - Lab  1 Abuzar Ghafari  Computer Organization and Assembly Language  1 Abdul Qadeer Bilal		Object Oriented Programming - Lab  1 Muhammad Hannan Farooq Differential Equations 1 Arfan Shahzad	Object Oriented Programming - Lab  1 Muhammad Hannan Farooq Finance & Accounting 1 Agha Mureed Ahmad Khan
Tuesday	Object Oriented Programming 1 Shoaib Saleem	Calculus and Analytical Geometry 1 Bushra Niaz	Data Structures - Lab 1 Saba Aslam		Data Structures - Lab  1 Saba Aslam  Object Oriented Programming  1 Shoaib Saleem	Computer Organization and Assembly Language 1 Abdul Qadeer Bilal
Wednesday	Digital Logic Design Muhammad Irfan Ishaq	1	Calculus and Analytical Geometry 1 Bushra Niaz	L U N C H		Data Structures 1 Muhammad Husnain
Thursday	Applied Physics 1 Muhammad Mohsin Hameed	Discrete Structures 1 Dr. Muhammad Ahmad	Applied Physics 1 Muhammad Mohsin Hameed		Linear Algebra 1 Ghilmana Sarmad	Differential Equations 1 Arfan Shahzad
Friday	Linear Algebra 1 Ghilmana Sarmad		Discrete Structures 1 Dr. Muhammad Ahmad			Data Structures 1 Muhammad Husnain

# CS-3B

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

## CS-3C

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

## CS-3E

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

### CS-5A

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

## CS-5B

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

## CS-5C

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

## **CS-5D**

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

## CS-5E

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

### CS-7A

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

## CS-7B

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

## **CS-7C**

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

## CS-7D

Day/Peri od	I	п	ш	1:15-1:45	IV	v
Monday	Professional Practices in IT 1 Tehreem Aslam					
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	Applied Machine Learning 1 Dr. Hashim Yasin	Information Security  1 Dr. Muhammad Umar Aftab		L U N C H		
Thursday	Information Security  1 Dr. Muhammad Umar Aftab					Professional Practices in IT 1 Tehreem Aslam
Friday						

## CS-7E

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

## CS-7F

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

## 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						
Friday		Computer Architecture 1 Muhammad Usman Joyia			Computer Architecture 1 Muhammad Usman Joyia	

### SE-1A

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 Ehtasham-Ul-Haq		English Composition and Comprehension - Lab 1 Ehtasham-Ul-Haq	
Tuesday	Applied Physics 1 Waheed Ahmad	1			English Composition and Comprehension 1 Farah Iqbal	Calculus and Analytical Geometry 1 Bushra Niaz
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					Pakistan Studies 1 Asma Yaqoob
Friday	Programming Fundamentals 1 Sumaira Mustafa		Pakistan Studies 1 Asma Yaqoob		Programming Fundamentals 1 Sumaira Mustafa	Applied Physics 1 Waheed Ahmad

### SE-1B

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

## SE-3A

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

## SE-3B

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

### SE-5A

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

## SE-5B

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