#### CS-1A

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

## CS-1B

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

#### CS-1C

Day/Period	1	п	ш	1:15-1:45	IV	v
Monday	English Composition and Comprehension - Lab  1 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	
Tuesday	Digital Logic Design - Lab 1 Mujahid Hussain		Linear Algebra 1 Amjad Hussain		English Composition and Comprehension 1 Junaid Shahid	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	Digital Logic Design Dr. Adil Zulfiqar	1
Thursday	Programming Fundamentals 1 Dr. Rabia Maqsood				Programming Fundamenta Ayesha Liaqat	ıls - Lab
Friday	English Composition and Comprehension 1 Muhammad Ammar	Islamic Studies/Ethics 1 Zia Ahmad	English Composition and Comprehension 1 Junaid Shahid			Islamic Studies/Ethics 1 Zia Ahmad

#### CS-1D

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

## CS-1E

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

#### CS-1F

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

#### CS-3A

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

## CS-3B

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

# CS-3C

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

## CS-3D

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

## CS-3E

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

#### CS-5A

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

## CS-5B

Day/Period	I	п	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	Software Design and Analysis 1 Dr. Muhammad Bilal
Tuesday		Computer Networks 1 Dr. Bilal Khan			Computer Networks 1 Dr. Bilal Khan	Web Programming  1  Muhammad Shahrose Khan
Wednesday			Theory of Automata  1 Anmol Bilal	L U N C H		
Thursday	Marketing Management 1 Hafiz M.Zeeshan Raza	Software Design and Analysis 1 Dr. Muhammad Bilal			Theory of Automata 1 Anmol Bilal	
Friday					Marketing Management 1 Hafiz M.Zeeshan Raza	

## CS-5C

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

## **CS-5D**

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

## CS-5E

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday			Design and Analysis of Algorithms 1 Shoaib Saleem		Database Systems 1 Aliza Saeed	Psychology 1 Aisha Bano
Tuesday	1		Psychology 1 Aisha Bano			
Wednesday	Database Systems 1 Aliza Saeed		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						Theory of Automata 1 Numan Shafi

#### CS-7A

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

## CS-7B

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

#### **CS-7C**

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

## CS-7D

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

## CS-7E

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

## CS-7F

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

#### CS-9A

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday						
Tuesday						
Wednesday				L U N C H	Computer Architecture 1 Muhammad Usman Joyia	
Thursday		Software for Mobile Devices - Lab  No-Teacher				
Friday		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				
Tuesday		English Composition and Comprehension  1 Farah Iqbal English Composition and Comprehension  1 Sadia Ashfaq	Programming Fundamentals - Lab 1 Sumaira Mustafa		Programming Fundamentals - Lab 1 Sumaira Mustafa	Applied Physics  1 Waheed Ahmad
Wednesday	Pakistan Studies 1 Asma Yaqoob	Calculus and Analytical Geometry 1 Bushra Niaz	Introduction to Information and Communication Technology - Lab  1 Umar Naseer	L U N C H	Introduction to Information and Communication Technology - Lab  Umar Naseer	Pakistan Studies 1 Asma Yaqoob
Thursday	English Composition and Comprehension - Lab  1 Muhammad Ammar English Composition and Comprehension  1 Farah Iqbal	English Composition and Comprehension - Lab 1 Muhammad Ammar	Programming Fundamentals 1 Sumaira Mustafa		Calculus and Analytical Geometry 1 Bushra Niaz	Programming Fundamentals 1 Sumaira Mustafa
Friday		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	Applied Physics  1 Dr. Arslan Ahmed Amin		Introduction to Information Technology - Lab Muhammad Haseeb Arshad	1
Tuesday		English Composition and Comprehension - Lab  Sadia Ashfaq			English Composition and Comprehension 1 Rida Akram	Pakistan Studies 1 Zainab Javeed
Wednesday	English Composition and Comprehension  1 Rida Akram  English Composition and Comprehension  1 Muhammad Iqbal	Programming Fundamentals - Lab  Aliza Saeed		L U N C H	Calculus and Analytical Geometry 1 Bushra Niaz	
Thursday	English Composition and C	nglish Composition and Comprehension - Lab  Applied Physics  1  rah Iqbal  Dr. Arslan Ahmed An			English Composition and Comprehension 1 Muhammad Iqbal	
Friday		Calculus and Analytical Geometry 1 Bushra Niaz	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		Linear Algebra 1 Ghilmana Sarmad			
Tuesday			Object Oriented Programming 1 Dr Usman Habib		Data Structures - Lab 1 Aqsa Younas	Data Structures - Lab  Aqsa Younas  Object Oriented Programming  1  Dr Usman Habib
Wednesday	Data Structures 1 Muhammad Usman Joyia	Software Requirement Engineering 1 Pariwish Touseef	Object Oriented Programming - Lab 1 Muhammad Yousaf	L U N C H	Object Oriented Programming - Lab 1 Muhammad Yousaf	
Thursday	Human Computer Interaction 1 Dr. Shahnawaz Qureshi	Data Structures 1 Muhammad Usman Joyia			Software Requirement Engineering 1 Pariwish Touseef	
Friday	Marketing Management 1 Hafiz M.Zeeshan Raza	Human Computer Interaction 1 Dr. Shahnawaz Qureshi				Marketing Management 1 Hafiz M.Zeeshan Raza

## SE-3B

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday		Data Structures - Lab Asif Ameer	1		Finance & Accounting 1 Muhammad Nasif	
Tuesday	Linear Algebra 1 Ghilmana Sarmad	Software Requirement Engineering 1 Pariwish Touseef			Finance & Accounting 1 Muhammad Nasif	Software Requirement Engineering 1 Pariwish Touseef
Wednesday		Human Computer Interaction 1 Dr. Shahnawaz Qureshi		L U N C H		Data Structures  1 Asif Ameer
Thursday					Linear Algebra 1 Ghilmana Sarmad	
Friday		Human Computer Interaction 1 Dr. Shahnawaz Qureshi			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			Software Construction and Muhammad Azeem Iftikha	1
Tuesday	Probability and Statistics 1 Haris Khurram	Software Construction and Development 1 Dr. Affan Rauf	Software Quality Engineering 1 Tehreem Aslam			
Wednesday		Operating Systems - Lab Muhammad Yousaf	1	L U N C H	Technical and Business Writing 1 Muhammad Nouman Iftikhar	
Thursday	Operating Systems 1 Muhammad Husnain	Operation Research  1 Dr. Muhammad Imran Babar  Probability and Statistics  1 Haris Khurram			Operating Systems  1 Muhammad Husnain  Operation Research  1 Dr. Muhammad Imran Babar	Technical and Business Writing 1 Muhammad Nouman Iftikhar
Friday	Database Systems 1 Nasreen Akhtar		Software Construction and Development 1 Dr. Affan Rauf		Software Quality Engineering 1 Tehreem Aslam	Database Systems 1 Nasreen Akhtar

## SE-5B

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