### CS-1A

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

### CS-1B

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

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

### CS-1D

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

# CS-1E

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

### CS-1F

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday		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 - Lab  1 Ehtasham-Ul-Haq English Composition and Comprehension  1 Muhammad Iqbal	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	Pakistan Studies 1 Asif Naveed	Programming Fundamentals 1 Saqib Hayat
Thursday		English Composition and Comprehension 1 Sadia Ashfaq	Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad		Applied Physics 1 Waheed Ahmad	
Friday	Programming Fundamentals 1 Saqib Hayat	Pakistan Studies 1 Asif Naveed	English Composition and Comprehension 1 Muhammad Iqbal			Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad

### CS-3A

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

# CS-3B

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday	Object Oriented Programming 1 Dr Usman Habib		Fundamentals of Management 1 Muhammad Tayyeb Riaz			
Tuesday					Computer Orgnaization an	d Assembly Language - Lab
Wednesday	Object Oriented Programming - Lab  Muhammad Hannan Farooq  Discrete Structures  1 Dr. Muhammad Ahmad	Object Oriented Programming - Lab 1 Muhammad Hannan Farooq	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	Fundamentals of Management 1 Muhammad Tayyeb Riaz	Computer Organization and Assembly Language  1 Abdul Qadeer Bilal  Object Oriented Programming  1 Dr Usman Habib			Computer Organization and Assembly Language 1 Abdul Qadeer Bilal
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	Data Structures  1 Dr. Hashim Yasin					Differential Equations 1 Arfan Shahzad
Tuesday					Computer Orgnaization an Ali Raza	d Assembly Language - Lab
Wednesday			Marketing Management 1 Syed Zeeshan Haider	L U N C H	Differential Equations 1 Arfan Shahzad	
Thursday	Data Structures - Lab Mughees Ismail	1	Data Structures 1 Dr. Hashim Yasin			
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		Marketing Management 1 Syed Zeeshan Haider			
Tuesday		Data Structures 1 Muhammad Usman Joyia	Marketing Management 1 Syed Zeeshan Haider		Differential Equations Muhammad Waqas Javed	1
Wednesday		Discrete Structures 1 Usman Ghous	Data Structures - Lab 1 Saba Aslam	L U N C H	Data Structures - Lab 1 Saba Aslam	
Thursday	Computer Orgnaization and Assembly Language - Lab  Ali Raza					
Friday		Data Structures 1 Muhammad Usman Joyia				

# 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		Differential Equations 1 Hayat Ali				Finance & Accounting  1 Agha Mureed Ahmad Khan
Friday			Differential Equations  1 Hayat Ali			

### CS-5A

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

# CS-5B

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

# CS-5C

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

# **CS-5D**

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

# CS-5E

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

# CS-7A

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

# CS-7B

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

# **CS-7C**

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday						Professional Practices in IT 1 Masood Habib
Tuesday	Information Security 1 Dr. Irfan ul Haq	Software for Mobile Devices	s-Lab			
Wednesday		Applied Machine Learning 1 Dr. Hashim Yasin		L U N C H		
Thursday	Information Security 1 Dr. Irfan ul Haq					
Friday	Applied Machine Learning 1 Dr. Hashim Yasin		Professional Practices in IT 1 Masood Habib			

### **CS-7D**

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday	Applied Machine Learning 1 Dr. Hashim Yasin				Information Security  1 Dr. Muhammad Umar Aftab	
Tuesday		Applied Machine Learning 1 Dr. Hashim Yasin				
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	Professional Practices in IT 1 Tehreem Aslam
Thursday						
Friday						Professional Practices in IT 1 Tehreem Aslam

# CS-7E

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

# CS-7F

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

### CS-9A

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

### SE-1A

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

### SE-1B

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

# SE-3A

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

# SE-3B

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

# SE-5A

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

# SE-5B

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