### CS-1A

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

### 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	Digital Logic Design 1 Muhammad Sajid Iqbal	Programming Fundamentals 1 Rizwan ul Haq	Introduction to Information and Communication Technology - Lab		Introduction to Information and Communication Technology - Lab  1 Umar Naseer	Linear Algebra 1 Amjad Hussain
Wednesday	Programming Fundamentals 1 Rizwan ul Haq	Programming Fundamentals - Lab  1 Pariwish Touseef		L U N C H		
Thursday	English Composition and C	Comprehension - Lab	Islamic Studies/Ethics 1 Rizwanullah		Digital Logic Design 1 Muhammad Sajid Iqbal	Linear Algebra 1 Amjad Hussain
Friday	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			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  1 Rida Akram  English Composition and Comprehension  1 Junaid Shahid	English Composition and Comprehension - Lab 1 Rida Akram	English Composition and Comprehension - Lab 1 Junaid Shahid		English Composition and Comprehension - Lab  Junaid Shahid  English Composition and Comprehension  Muhammad Ammar	
Tuesday	Digital Logic Design - Lab Mujahid Hussain	1	Linear Algebra 1 Amjad Hussain		Programming Fundamentals 1 Dr. Rabia Maqsood	
Wednesday	Introduction to Information and Communication Technology - Lab			L U N C H	English Composition and Comprehension 1 Junaid Shahid	Digital Logic Design 1 Dr. Adil Zulfiqar
Thursday	Islamic Studies/Ethics 1 Zia Ahmad		Islamic Studies/Ethics 1 Zia Ahmad		Programming Fundamenta Ayesha Liaqat	ıls - Lab
Friday	Digital Logic Design 1 Dr. Adil Zulfiqar		Linear Algebra 1 Amjad Hussain		English Composition and Comprehension 1 Muhammad Ammar	Programming Fundamentals 1 Dr. Rabia Maqsood

### CS-1D

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

## CS-1E

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

## CS-1F

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

### CS-3A

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

# CS-3B

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

## CS-3C

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

## CS-3D

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

## CS-3E

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

### CS-5A

Day/Period	1	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	
Tuesday		Probability and Statistics 1 Haris Khurram			Software Design and Analysis 1 Dr. Muhammad Bilal	Theory of Automata  1 Anmol Bilal
Wednesday		Software Design and Analysis 1 Dr. Muhammad Bilal		L U N C H	Web Programming 1 Muhammad Shahrose Khan	Computer Networks  1 Masood Habib
Thursday		Probability and Statistics 1 Haris Khurram	Computer Networks 1 Masood Habib			
Friday		Theory of Automata 1 Anmol Bilal				

# CS-5B

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday		Software Design and Analysis 1 Dr. Muhammad Bilal				
Tuesday	Marketing Management 1 Hafiz M.Zeeshan Raza		Marketing Management 1 Hafiz M.Zeeshan Raza		Computer Networks 1 Dr. Bilal Khan	Web Programming  1  Muhammad Shahrose 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	Theory of Automata  1 Anmol Bilal
Thursday			Software Design and Analysis 1 Dr. Muhammad Bilal			
Friday			Theory of Automata  1 Anmol Bilal		Web Programming 1 Muhammad Shahrose Khan	

# CS-5C

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

## **CS-5D**

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

# CS-5E

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

### CS-7A

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

## CS-7B

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

### **CS-7C**

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

## CS-7D

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

## CS-7E

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

## CS-7F

	I	1	Г	1	1	T
Day/Period	I	11	ш	1:15-1:45	IV	V
Monday			Remote Sensing and GIS 1 Dr M. Shahzad Sarfraz			
Tuesday						
Wednesday			Software Testing 1 Dr. Uzair Iqbal	L U N C H		
Thursday					Software Testing 1 Dr. Uzair Iqbal	Remote Sensing and GIS  1 Dr M. Shahzad Sarfraz
Friday						

## CS-9A

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

#### SE-1A

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday	English Composition and Comprehension - Lab  1 Muhammad Ammar  English Composition and Comprehension  1 Farah Iqbal	English Composition and Comprehension - Lab 1 Muhammad Ammar	English Composition and Comprehension - Lab 1 Ehtasham-Ul-Haq		English Composition and Comprehension - Lab  1 Ehtasham-Ul-Haq English Composition and Comprehension  1 Sadia Ashfaq	Pakistan Studies 1 Asma Yaqoob
Tuesday	Applied Physics 1 Waheed Ahmad				Programming Fundamentals 1 Sumaira Mustafa	English Composition and Comprehension  1 Farah Iqbal  English Composition and Comprehension  1 Sadia Ashfaq
Wednesday	Programming Fundamentals - Lab  Sumaira Mustafa			L U N C H		Applied Physics 1 Waheed Ahmad
Thursday	Introduction to Information and Communication Technology - Lab  1 Umar Naseer				Programming Fundamentals 1 Sumaira Mustafa	
Friday		Calculus and Analytical Geometry 1 Bushra Niaz	Pakistan Studies 1 Asma Yaqoob			Calculus and Analytical Geometry 1 Bushra Niaz

### SE-1B

Day/Peri od	I	п	ш	1:15-1:45	IV	v
Monday	Programming Fundamentals 1 Aliza Saced	Introduction to Information Technology - Lab Muhammad Haseeb Arshad	1		English Composition and Comprehension 1 Rida Akram	Applied Physics 1 Dr. Arslan Ahmed Amin
Tuesday	Calculus and Analytical Geometry 1 Bushra Niaz	Pakistan Studies 1 Zainab Javeed			Programming Fundamenta Aliza Saeed	ıls - Lab
Wednesday	English Composition and Comprehension 1 Muhammad Iqbal	English Composition and C	Comprehension - Lab 1	L U N C H		Calculus and Analytical Geometry 1 Bushra Ni az
Thursday	English Composition and C	1	English Composition and Comprehension  1 Rida Akram  English Composition and Comprehension  1 Muhammad Iqbal			
Friday	Applied Physics  1 Dr. Arslan Ahmed Amin	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		Software Requirement Engineering 1 Pariwish Touseef		Software Requirement Engineering 1 Pariwish Touseef	Object Oriented Programming 1 Dr Usman Habib
Tuesday					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	Data Structures 1 Muhammad Usman Joyia
Thursday		Data Structures 1 Muhammad Usman Joyia	Human Computer Interaction 1 Dr. Shahnawaz Qureshi			
Friday	Human Computer Interaction 1 Dr. Shahnawaz Qureshi		Marketing Management 1 Hafiz M.Zeeshan Raza		Object Oriented Programming 1 Dr Usman Habib	Linear Algebra 1 Chilmana Sarmad

## SE-3B

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

## SE-5A

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

## SE-5B

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