## CS-1A

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

## CS-1C

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

## CS-1D

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

## CS-1F

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

## CS-3A

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

# CS-3B

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

# CS-3D

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

# CS-3E

Day/Period	ī	п	ш	1:15-1:45	IV	v
Monday			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		
Thursday	Differential Equations 1 Hayat Ali					
Friday			Finance & Accounting 1 Agha Mureed Ahmad Khan			

## CS-5A

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

# CS-5B

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

# CS-5C

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

# **CS-5D**

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

# CS-5E

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

# CS-7A

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

# CS-7B

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

# **CS-7C**

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

# CS-7E

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

# CS-7F

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

# CS-9A

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday						
Tuesday	Software for Mobile Devices - Lab  No-Teacher				Computer Architecture 1 Muhammad Usman Joyia	
Wednesday				L U N C H		
Thursday					Computer Architecture 1 Muhammad Usman Joyia	
Friday						

## 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-Ul-Haq	
Tuesday	English Composition and Comprehension  1 Farah Iqbal English Composition and Comprehension  1 Sadia Ashfaq	Programming Fundamentals 1 Sumaira Mustafa	Applied Physics 1 Waheed Ahmad		Applied Physics 1 Waheed Ahmad	English Composition and Comprehension 1 Sadia Ashfaq
Wednesday	Programming Fundamentals - Lab  Sumaira Mustafa			L U N C H	Programming Fundamentals 1 Sumaira Mustafa	Calculus and Analytical Geometry 1 Bushra Niaz
Thursday	Introduction to Information and Communication Technology - Lab  1 Umar Naseer				Calculus and Analytical Geometry 1 Bushra Niaz	
Friday	Pakistan Studies 1 Asma Yaqoob		English Composition and Comprehension 1 Farah Iqbal		Pakistan Studies 1 Asma Yaqoob	

## SE-1B

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

# SE-3A

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

# SE-3B

Day/Period	I	II	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	Software Requirement Engineering 1 Pariwish Touseef		Human Computer Interaction 1 Dr. Shahnawaz Qureshi			
Wednesday	Finance & Accounting 1 Muhammad Nasif			L U N C	Linear Algebra 1 Ghilmana Sarmad	
Thursday			Human Computer Interaction 1 Dr. Shahnawaz Qureshi			Software Requirement Engineering 1 Pariwish Touseef
Friday	Finance & Accounting 1 Muhammad Nasif		Linear Algebra 1 Chilmana Sarmad			

## 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	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	Probability and Statistics 1 Haris Khurram	Operating Systems - Lab  Muhammad Yousaf	1	L U N C H		
Thursday	Operating Systems 1 Muhammad Husnain		Database Systems 1 Nasreen Akhtar		Software Construction and Development 1 Dr. Affan Rauf	Software Quality Engineering 1 Tehreem Aslam
Friday	Operation Research  1 Dr. Muhammad Imran Babar		Operation Research  1 Dr. Muhammad Imran Babar		Software Construction and Development 1 Dr. Affan Rauf	Software Quality Engineering 1 Tehreem Aslam

# SE-5B

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