#### CS-1A

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

## CS-1B

Day/Peri od	I	п	ш	1:15-1:45	IV	v
Monday		English Composition and Comprehension - Lab  Farah Iqbal  English Composition and Comprehension  Muhammad Ammar			Digital Logic Design - Lab Mujahid Hussain	
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 1 Umar Naseer	
Wednesday	Linear Algebra 1 Amjad Hussain	Programming Fundamenta Pariwish Touseef	Programming Fundamentals - Lab  1 Pariwish Touseef		Programming Fundamentals 1 Rizwan ul Haq	Islamic Studies/Ethics 1 Rizwanullah
Thursday	Comprehens		English Composition and Comprehension 1 Junaid Shahid			Islamic Studies/Ethics 1 Rizwanullah
Friday	Linear Algebra 1 Amjad Hussain	Digital Logic Design 1 Muhammad Sajid Iqbal	Programming Fundamentals 1 Rizwan ul Haq		English Composition and Comprehension 1 Junaid Shahid	

#### CS-1C

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

#### CS-1D

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

#### CS-1E

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

#### CS-1F

Day/Period	I	п	ш	1:15-1:45	īV	v
Monday	Pakistan Studies 1 Asif Naveed	English Composition and Comprehension 1 Muhammad Iqbal			English Composition and C Ehtasham-Ul-Haq	Comprehension - Lab
Tuesday	Applied Physics  1 Waheed Ahmad		Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad		English Composition and Comprehension - Lab 1 Mah Rukh	English Composition and Comprehension - Lab  1 Mah Rukh  English Composition and Comprehension  1 Sadia Ashfaq
Wednesday	Introduction to Information and Communication Technology - Lab  Muhammad Haseeb Arshad			L U N C H	Programming Fundamentals 1 Saqib Hayat	Applied Physics 1 Waheed Ahmad
Thursday	English Composition and Comprehension 1 Sadia Ashfaq		Programming Fundamentals - Lab 1 Umar Naseer		Programming Fundamentals - Lab 1 Umar Naseer	English Composition and Comprehension 1 Muhammad Iqbal
Friday		Programming Fundamentals 1 Saqib Hayat	Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad		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	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	Object Oriented Programming - Lab  1 Muhammad Hannan Farooq  Data Structures 1 Muhammad Husnain
Tuesday	Linear Algebra 1 Ghilmana Sarmad	Data Structures 1 Muhammad Husnain	Data Structures - Lab 1 Saba Aslam		Data Structures - Lab  1 Saba Aslam  Calculus and Analytical Geometry  1 Bushra Niaz	Object Oriented Programming 1 Shoaib Saleem
Wednesday			Finance & Accounting 1 Agha Mureed Ahmad Khan	L U N C H	Computer Organization and Assembly Language 1 Abdul Qadeer Bilal Linear Algebra 1 Ghilmana Sarmad	Calculus and Analytical Geometry  1  Bushra Niaz  Differential Equations  1  Arfan Shahzad
Thursday	Discrete Structures  Dr. Muhammad Ahmad	1	Object Oriented Programming 1 Shoaib Saleem		Digital Logic Design 1 Muhammad Irfan Ishaq	
Friday		Applied Physics 1 Muhammad Mohsin Hameed	Applied Physics  1 Muhammad Mohsin Hameed  Finance & Accounting  1 Agha Mureed Ahmad Khan		Digital Logic Design 1 Muhammad Irfan Ishaq	Differential Equations 1 Arfan Shahzad

## CS-3B

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

# CS-3C

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

## CS-3D

Day/Period	I	п	ш	1:15-1:45	IV	v
Monday					Marketing Management 1 Syed Zeeshan Haider	
Tuesday	Differential Equations 1 Muhammad Waqas Javed	Discrete Structures  1 Usman Ghous			Data Structures Muhammad Usman Joyia	1
Wednesday			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	I	11	ш	1:15-1:45	IV	v
Monday		Differential Equations 1 Hayat Ali	Computer Organization and Assembly Language - Lab 1 Abuzar Ghafari		Computer Organization and Assembly Language - Lab 1 Abuzar Ghafari	Finance & Accounting  1 Agha Mureed Ahmad Khan
Tuesday						
Wednesday				L U N C H		
Thursday						
Friday	Differential Equations  1 Hayat Ali					Finance & Accounting  1 Agha Mureed Ahmad Khan

#### CS-5A

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

## CS-5B

Day/Period	ī	п	ш	1:15-1:45	IV	v
Monday		Web Programming 1 Muhammad Shahrose Khan				
Tuesday	Theory of Automata 1 Anmol Bilal	Web Programming  1  Muhammad Shahrose Khan	Marketing Management 1 Hafiz M.Zeeshan Raza			Computer Networks  1 Dr. Bilal Khan
Wednesday		Marketing Management 1 Hafiz M.Zeeshan Raza	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	Computer Networks 1 Dr. Bilal Khan			
Friday					Theory of Automata 1 Anmol Bilal	

## CS-5C

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

## **CS-5D**

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

## CS-5E

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

#### CS-7A

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

## CS-7B

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

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

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  Masood Habib					
Wednesday	Information Security  Dr. Irfan ul Haq			L U N C H		
Thursday	Software for Mobile Devices - Lab 1 Tahir Farooq					
Friday						Applied Machine Learning 1 Dr. Hashim Yasin

## CS-7D

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

## CS-7E

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

## CS-7F

Day/Period	I	11	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		
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	Software for Mobile Device: No-Teacher	s-Lab 1				
Wednesday				L U N C H		
Thursday						Computer Architecture 1 Muhammad Usman Joyia
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 Comprehension - Lab  Muhammad Ammar		English Composition and Comprehension - Lab  1 Ehtasham-Ul-Haq English Composition and Comprehension  1 Sadia Ashfaq		English Composition and Comprehension - Lab 1 Ehtasham-Ul-Haq	
Tuesday		English Composition and Comprehension 1 Farah Iqbal	Calculus and Analytical Geometry 1 Bushra Niaz		Programming Fundamentals 1 Sumaira Mustafa	Pakistan Studies 1 Asma Yaqoob
Wednesday	Programming Fundamentals - Lab  Sumaira Mustafa			L U N C H		Programming Fundamentals 1 Sumaira Mustafa
Thursday	Introduction to Information and Communication Technology - Lab  1 Umar Naseer				Pakistan Studies 1 Asma Yaqoob	
Friday	Calculus and Analytical Geometry 1 Bushra Niaz	Applied Physics Waheed Ahmad	1		English Composition and Comprehension 1 Sadia Ashfaq	English Composition and Comprehension 1 Farah Iqbal

#### SE-1B

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

## SE-3A

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

## SE-3B

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday	Human Computer Interaction 1 Dr. Shahnawaz Qureshi	Data Structures - Lab Asif Ameer	1			Software Requirement Engineering 1 Pariwish Touseef
Tuesday	Data Structures  1 Asif Ameer					
Wednesday				L U N C H	Human Computer Interaction 1 Dr. Shahnawaz Qureshi	Data Structures 1 Asif Ameer
Thursday			Finance & Accounting 1 Muhammad Nasif		Software Requirement Engineering 1 Pariwish Touseef	Linear Algebra 1 Ghilmana Sarmad
Friday	Finance & Accounting 1 Muhammad Nasif				Linear Algebra 1 Ghilmana Sarmad	

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

## SE-5B

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