

# CS-1A

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

# CS-1B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Linear Algebra Amjad Hussain 1	Digital Logic Design Muhammad Sajid Iqbal 1	English Composition and Comprehension Junaid Shahid 1	L U N C H	Programming Fundamentals Rizwan ul Haq 1	
Tuesday	Introduction to Information and Communication Technology - Lab Umar Naseer 1		Islamic Studies/Ethics Rizwanullah 1		English Composition and Comprehension Muhammad Ammar 1	English Composition and Comprehension Junaid Shahid 1
Wednesday	Digital Logic Design - Lab Mujahid Hussain 1		English Composition and Comprehension - Lab Farah Iqbal 1		English Composition and Comprehension - Lab Farah Iqbal 1	English Composition and Comprehension Muhammad Ammar 1
Thursday	English Composition and Comprehension - Lab Muhammad Iqbal 1		Linear Algebra Amjad Hussain 1		Programming Fundamentals - Lab Pariwish Touseef 1	
Friday		Islamic Studies/Ethics Rizwanullah 1			Digital Logic Design Muhammad Sajid Iqbal 1	

# CS-1C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Digital Logic Design Dr. Adil Zulfiqar 1	English Composition and Comprehension Muhammad Ammar 1	Digital Logic Design - Lab Mujahid Hussain 1	L U N C H	Digital Logic Design - Lab Mujahid Hussain 1	Programming Fundamentals Dr. Rabia Maqsood 1
Tuesday	English Composition and Comprehension - Lab Junaid Shahid 1		English Composition and Comprehension Junaid Shahid 1		Introduction to Information and Communication Technology - Lab Aqsa Younas 1	
Wednesday	Islamic Studies/Ethics Zia Ahmad 1	Programming Fundamentals Dr. Rabia Maqsood 1	English Composition and Comprehension - Lab Rida Akram 1		English Composition and Comprehension - Lab Rida Akram 1	
Thursday	Digital Logic Design Dr. Adil Zulfiqar 1	Programming Fundamentals - Lab Ayesha Liaqat 1				Islamic Studies/Ethics Zia Ahmad 1
Friday	Linear Algebra Amjad Hussain 1	English Composition and Comprehension Junaid Shahid 1	Linear Algebra Amjad Hussain 1		English Composition and Comprehension Muhammad Ammar 1	

# CS-1D

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

# CS-1E

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

# CS-1F

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

# CS-3A

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

# CS-3B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Computer Organization and Assembly Language Abdul Qadeer Bilal <sup>1</sup>	Discrete Structures Dr. Muhammad Ahmad <sup>1</sup>		L U N C H		
Tuesday	Object Oriented Programming Dr Usman Habib <sup>1</sup>	Discrete Structures Dr. Muhammad Ahmad <sup>1</sup>			Computer Orgnaization and Assembly Language - Lab Ali Raza <sup>1</sup>	
Wednesday	Object Oriented Programming - Lab Muhammad Hannan Farooq <sup>1</sup> Differential Equations Arfan Shahzad <sup>1</sup>	Object Oriented Programning - Lab Muhammad Hannan Farooq <sup>1</sup>	Data Structures - Lab Muhammad Hannan Farooq <sup>1</sup> Object Oriented Programming Dr Usman Habib <sup>1</sup>		Data Structures - Lab Muhammad Hannan Farooq <sup>1</sup>	Fundamentals of Management Muhammad Tayyeb Riaz <sup>1</sup>
Thursday						
Friday	Computer Organization and Assembly Language Abdul Qadeer Bilal <sup>1</sup>	Fundamentals of Management Muhammad Tayyeb Riaz <sup>1</sup>			Differential Equations Arfan Shahzad <sup>1</sup>	



# CS-3C

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

# CS-3D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Differential Equations Muhammad Waqas Javed <sup>1</sup>		L U N C H		
Tuesday	Data Structures Muhammad Usman Joyia <sup>1</sup>		Data Structures - Lab Saba Aslam <sup>1</sup>		Data Structures - Lab Saba Aslam <sup>1</sup>	Marketing Management Syed Zeeshan Haider <sup>1</sup>
Wednesday		Discrete Structures Usman Ghous <sup>1</sup>			Differential Equations Muhammad Waqas Javed <sup>1</sup>	Data Structures Muhammad Usman Joyia <sup>1</sup>
Thursday					Computer Orgnaization and Assembly Language - Lab Ali Raza <sup>1</sup>	
Friday			Marketing Management Syed Zeeshan Haider <sup>1</sup>			

# CS-3E

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		Differential Equations Hayat Ali <sup>1</sup>
Tuesday	Computer Organization and Assembly Language - Lab Abuzar Ghafari <sup>1</sup>		Differential Equations Hayat Ali <sup>1</sup>			
Wednesday						
Thursday					Finance & Accounting Agha Mureed Ahmad Khan <sup>1</sup>	
Friday			Finance & Accounting Agha Mureed Ahmad Khan <sup>1</sup>			

# CS-5A

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

# CS-5B

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

# CS-5C

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

# CS-5D

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Theory of Automata Numan Shafi1		Psychology Aisha Bano1	L U N C H		
Tuesday			Operating System Usman Ghous1		Operating System Usman Ghous1	
Wednesday		Database Systems Saqib Hayat1	Design and Analysis of Algorithms Shoaib Saleem1		Operating Systems - Lab Muhammad Haseeb Arshad1	
Thursday	Database Systems - Lab Saqib Hayat1				Design and Analysis of Algorithms Shoaib Saleem1	Theory of Automata Numan Shafi1
	Discrete Structures Usman Ghous1					
Friday	Database Systems Saqib Hayat1	Psychology Aisha Bano1				

# CS-5E

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



# CS-7A

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

# CS-7B

Day/Period	I	II	III	1:15-1:45	IV	V	
Monday				L U N C H		Data Science Adeel Ashraf Cheema1	
Tuesday						Information Security Dr. Danish Shehzad1	
Wednesday						Software Engineering Awais Azam1	Data Mining Nasreen Akhtar1
Thursday		Data Mining Nasreen Akhtar1	Software Engineering Awais Azam1				
Friday	Information Security Dr. Danish Shehzad1	Professional Practices in IT Masood Habib1				Data Science Adeel Ashraf Cheema1	

# CS-7C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Professional Practices in IT Masood Habib1			L U N C H		
Tuesday	Information Security Dr. Irfan ul Haq1	Software for Mobile Devices - Lab Tahir Farooq1				
Wednesday			Information Security Dr. Irfan ul Haq1			
Thursday		Professional Practices in IT Masood Habib1				
Friday	Applied Machine Learning Dr. Hashim Yasin1					

# CS-7D

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

# CS-7E

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

CS-7F

Day/Period	I	II	III	1:15-1:45	IV	V
Monday		Software Testing Dr. Uzair Iqbal <sup>1</sup>		L U N C H		Remote Sensing and GIS Dr M. Shahzad Sarfraz <sup>1</sup>
Tuesday						
Wednesday			Software Testing Dr. Uzair Iqbal <sup>1</sup>			
Thursday	Remote Sensing and GIS Dr M. Shahzad Sarfraz <sup>1</sup>					
Friday						

CS-9A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		Computer Architecture Muhammad Usman Joyia <sup>1</sup>
Tuesday						
Wednesday						
Thursday		Software for Mobile Devices - Lab No-Teacher <sup>1</sup>				
Friday	Computer Architecture Muhammad Usman Joyia <sup>1</sup>					

# SE-1A

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



# SE-1B

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

# SE-3A

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

# SE-3B

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		Data Structures Asif Ameer1
Tuesday		Human Computer Interaction Dr. Shahnawaz Qureshi1	Linear Algebra Ghilmana Sarmad1		Data Structures - Lab Asif Ameer1	
Wednesday	Software Requirement Engineering Pariwish Touseef1	Linear Algebra Ghilmana Sarmad1				
Thursday						
Friday	Human Computer Interaction Dr. Shahnawaz Qureshi1	Finance & Accounting Muhammad Nasif1			Software Requirement Engineering Pariwish Touseef1	

# SE-5A

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

# SE-5B

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