

# CS-1A

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

# CS-1B

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

# CS-1C

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

# CS-1D

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

# CS-1E

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

# CS-1F

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

# CS-3A

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

# CS-3B

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



# CS-3C

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

# 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		Data Structures Muhammad Usman Joyia <sup>1</sup>
Tuesday		Marketing Management Syed Zeeshan Haider <sup>1</sup>	Differential Equations Muhammad Waqas Javed <sup>1</sup>			
Wednesday		Discrete Structures Usman Ghous <sup>1</sup>	Data Structures - Lab Saba Aslam <sup>1</sup>		Data Structures - Lab Saba Aslam <sup>1</sup>	
Thursday	Computer Orgnaization and Assembly Language - Lab Ali Raza <sup>1</sup>				Marketing Management Syed Zeeshan Haider <sup>1</sup>	
Friday	Discrete Structures Usman Ghous <sup>1</sup>				Data Structures Muhammad Usman Joyia <sup>1</sup>	

# CS-3E

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

# CS-5A

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

# CS-5B

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

# CS-5C

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

# CS-5D

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

# CS-5E

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



# CS-7A

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

# CS-7B

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

# CS-7C

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

# CS-7D

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

# CS-7E

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

CS-7F

Day/Period	I	II	III	1:15-1:45	IV	V
Monday				L U N C H		
Tuesday			Software Testing Dr. Uzair Iqbal1			
Wednesday						
Thursday						Remote Sensing and GIS Dr M. Shahzad Sarfraz1
Friday	Remote Sensing and GIS Dr M. Shahzad Sarfraz1		Software Testing Dr. Uzair Iqbal1			

CS-9A

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

# SE-1A

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



# SE-1B

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

# SE-3A

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

# SE-3B

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

# SE-5A

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

# SE-5B

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