

CS-1A

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

CS-1B

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

CS-1D

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

CS-1E

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

CS-1F

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

CS-3A

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

CS-3B

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

CS-3C

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Differential Equations Arfan Shahzad1	Data Structures Dr. Hashim Yasin1		L U N C H		Marketing Management Syed Zeeshan Haider1
Tuesday						
Wednesday	Marketing Management Syed Zeeshan Haider1				Data Structures - Lab Mughees Ismail1	
Thursday	Data Structures Dr. Hashim Yasin1	Computer Orgnaization and Assembly Language - Lab Ali Raza1				
Friday			Differential Equations Arfan Shahzad1			

CS-3D

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

CS-3E

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

CS-5A

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

CS-5B

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

CS-5C

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

CS-5D

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

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 Aliza Saeed			
Wednesday		Operating Systems - Lab Muhammad Yousaf				Design and Analysis of Algorithms Shoaib Saleem
Thursday		Database Systems Aliza Saeed	Psychology Aisha Bano		Theory of Automata Numan Shafi	
Friday	Theory of Automata Numan Shafi				Database Systems - Lab Muhammad Shahrose Khan Design and Analysis of Algorithms Shoaib Saleem	Database Systems - Lab Muhammad Shahrose Khan

CS-7A

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

CS-7B

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

CS-7C

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

CS-7D

Day/Period	I	II	III	1:15-1:45	IV	V	
Monday	Applied Machine Learning Dr. Hashim Yasin1			L U N C H	Information Security Dr. Muhammad Umar Aftab1		
Tuesday							
Wednesday						Information Security Dr. Muhammad Umar Aftab1	
Thursday		Software for Mobile Devices - Lab Tahir Farooq1				Professional Practices in IT Tehreem Aslam1	
Friday		Professional Practices in IT Tehreem Aslam1				Applied Machine Learning Dr. Hashim Yasin1	

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 ¹	Professional Practices in IT Tehreem Aslam ¹		Information Security Dr. Muhammad Umar Aftab ¹	
Wednesday		Software Testing Dr. Uzair Iqbal ¹				
Thursday		Fundamentals of Software Project Management Dr. Muhammad Bilal ¹			Professional Practices in IT Tehreem Aslam ¹	Information Security Dr. Muhammad Umar Aftab ¹
Friday					Software Testing Dr. Uzair Iqbal ¹	

CS-7F

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

CS-9A

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

SE-1A

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

SE-1B

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

SE-3A

Day/Period	I	II	III	1:15-1:45	IV	V
Monday	Linear Algebra Ghilmana Sarmad1		Software Requirement Engineering Pariwish Touseef1	L U N C H	Marketing Management Hafiz MZeeshan Raza1	
Tuesday	Marketing Management Hafiz MZeeshan Raza1	Object Oriented Programming Dr Usman Habib1				Data Structures Muhammad Usman Joyia1
Wednesday	Linear Algebra Ghilmana Sarmad1	Data Structures - Lab Aqsa Younas1				Human Computer Interaction Dr. Shahnawaz Qureshi1
Thursday		Object Oriented Programming - Lab Muhammad Yousaf1	Object Oriented Programming - Lab Muhammad Yousaf1 Data Structures Muhammad Usman Joyia1			
Friday	Object Oriented Programming Dr Usman Habib1		Software Requirement Engineering Pariwish Touseef1			Human Computer Interaction Dr. Shahnawaz Qureshi1

SE-3B

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

SE-5A

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

SE-5B

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