#### CS-1A

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

### CS-1B

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

### 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	
Tuesday	Digital Logic Design - Lab 1 Mujahid Hussain		Islamic Studies/Ethics 1 Zia Ahmad		Linear Algebra Amjad Hussain	1
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
Thursday	Digital Logic Design Programming Fundamentals  1 Dr. Adil Zulfiqar Dr. Rabia Maqsood		English Composition and Comprehension 1 Muhammad Ammar		Programming Fundamentals - Lab 1 Ayesha Liaqat	
Friday	Digital Logic Design 1 Dr. Adil Zulfiqar				English Composition and Comprehension  1  Junaid Shahid  English Composition and Comprehension  1  Muhammad Ammar	Programming Fundamentals 1 Dr. Rabia Maqsood

### CS-1D

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

## CS-1E

Day/Peri od	ī	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 Comprehension - Lab  1  Amna Farooq  English Composition and Comprehension  1  Muhammad Iqbal	English Composition and Comprehension - Lab 1 Amna Farooq
Tuesday	English Composition and Comprehension 1 Farah Iqbal	Applied Physics 1 Waheed Ahmad	Pakistan Studies 1 Asif Naveed		Programming Fundamenta Mughees Ismail	ıls-Lab
Wednesday	Programming Fundamentals 1 Dr. Danish Shehzad	Pakistan Studies 1 Asif Naveed		L U N C H		English Composition and Comprehension 1 Muhammad Iqbal
Thursday	Applied Physics 1 Waheed Ahmad	English Composition and Comprehension - Lab 1 Mah Rukh				Programming Fundamentals 1 Dr. Danish Shehzad
Friday	English Composition and Comprehension 1 Farah Iqbal				Calculus and Analytical Geometry 1 Dr. Mushtaq Ahmad	

### CS-1F

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

## CS-3A

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

## CS-3B

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday	Object Oriented Programmi Muhammad Hannan Faroo	1	Discrete Structures  1 Dr. Muhammad Ahmad		Computer Orgnaization an	d Assembly Language - Lab 1
Tuesday	Computer Organization and Assembly Language  1 Abdul Qadeer Bilal  Object Oriented Programming  1 Dr Usman Habib	Differential Equations 1 Arfan Shahzad			Data Structures - Lab Muhammad Hannan Faroo	q
Wednesday		Fundamentals of Management 1 Muhammad Tayyeb Riaz		L U N C H		Fundamentals of Management 1 Muhammad Tayyeb Riaz
Thursday		Object Oriented Programming 1 Dr Usman Habib				Differential Equations 1 Arfan Shahzad
Friday	Discrete Structures 1 Dr. Muhammad Ahmad				Computer Organization and Assembly Language 1 Abdul Qadeer Bilal	

## CS-3C

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

## CS-3D

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

## CS-3E

Day/Period	I	11	ш	1:15-1:45	IV	v
Monday		Finance & Accounting 1 Agha Mureed Ahmad Khan	Computer Organization and Assembly Language - Lab 1 Abuzar Ghafari		Computer Organization and Assembly Language - Lab 1 Abuzar Ghafari	
Tuesday	Differential Equations 1 Hayat Ali					Finance & Accounting  1  Agha Mureed Ahmad Khan
Wednesday				L U N C H		
Thursday			Differential Equations 1 Hayat Ali			
Friday						

### CS-5A

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

## CS-5B

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

## CS-5C

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

## **CS-5D**

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

# CS-5E

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

### CS-7A

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

### **CS-7B**

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

### **CS-7C**

Day/Peri od	ī	п	ш	1:15-1:45	IV	v
Monday	Professional Practices in IT 1 Masood Habib	Information Security  1 Dr. Irfan ul Haq				
Tuesday	Applied Machine Learning 1 Dr. Hashim Yasin		Information Security  1 Dr. Irfan ul Haq			
Wednesday				L U N C H		
Thursday	Software for Mobile Devices - Lab  Tahir Farooq					
Friday			Applied Machine Learning 1 Dr. Hashim Yasin		Professional Practices in IT 1 Masood Habib	

### **CS-7D**

Day/Period	I	II	ш	1:15-1:45	IV	v
Monday		Applied Machine Learning 1 Dr. Hashim Yasin	Professional Practices in IT 1 Tehreem Aslam			Professional Practices in IT 1 Tehreem Aslam
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	Information Security  1 Dr. Muhammad Umar Aftab			L U N C H		
Thursday						
Friday						Information Security  1 Dr. Muhammad Umar Aftab

## CS-7E

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

## CS-7F

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

## CS-9A

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

### SE-1A

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

### SE-1B

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

## SE-3A

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

## SE-3B

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

### SE-5A

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

## SE-5B

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