				TIMETABLE - Spring 2023 (Week 11)		
ROOMS	08:00 - 09:30	09:30- 11:00	11:00 - 12:30	12:30 - 01:30	02:00 - 03:30	03:30 - 05:00
		BSCS 2nd (Reg)		BSSE 2nd (Reg)	MS (CS / IT / SE) 2nd Semester	MS (CS / IT / SE) 2nd Semester
CL-1		Object Oriented Programming		Discrete Structures	Research Methodology	Research Methodology
CL-1	Mr. Abid Rafig	Mr. Aamir Zia		Dr. Ramzan Malik	Dr Hafiz Faisal Shahzad	Dr Hafiz Faisal Shahzad
	MSc-IT 3nd (Self)	Wii. Adiiii Zid	BSIT 5th Semester	BSCS 4th (SS1)	Di Fianz Faisai Shanzau	Di Hanz Faisai Shanzad
CT .			Design & Analysis of Algorithm	Comp Organization & Assembly		
CL-2	Enterprise Application Development					
	Dr Hafiz Faisal Shahzad		Ms. Iqra Malik	Mr. Naveed Ahmad		
	BSCS 2nd (Reg)	BSIT 2nd (Reg)	BSIT 2nd (SS1)	MSc-IT 3nd (Self)		
CL-3	Object Oriented Programming (Lab)	Object Oriented Programming	Object Oriented Programming	Network Design and Management		
	Mr. Aamir Zia	Ms. Madiha Sarwar	Ms. Madiha Sarwar	Mr. Farooq Javid		
		BSIT 4th (SS2)	BSSE 4th (Self)	BSSE 4th (Self)		
CL-4		Web Technologies	Software Design and Architecture	Web Engineering		
		Ms. Iqra Khan	Ms. Qaisera Ramzan	Ms. Iqra Khan		
		BSCS 4th (SS2)				BS(CS+IT+SE) 2nd
CL-5		Comp Organization & Assembly (Lab)				Programming Fundamentals
		Mr. Naveed Ahmad				Mr. Muhammad Fahad
			BSSE 2nd (Reg)			
CL-7			Object Oriented Programming			
			Mr. Aamir Zia			
	BSCS 4th (SS2)	BSSE 2nd (SS1)		BSIT 2nd (SS1)	MS (CS / IT / SE) 2nd Semester	MS (CS / IT / SE) 2nd Semeste
CL-8	Al Quran	Discrete Structures		Probability & Statistics	Advance Web Engineering	Advance Web Engineering
	Mr. Khurram Shahzad	Mr. Nisar Ahmad		Ms. Saba Atta	Mr. Saad Razzaq	Mr. Saad Razzaq
	BSSE 2nd (SS1)	BSCS 2nd (SS2)	MSc-IT 3nd (Self)	BSCS 2nd (Reg)		
LAB-2	Object Oriented Programming	Object Oriented Programming	Object Oriented Analysis & Design	Digital Logic and Design		
	Mr. Muhammad iqbal	Mr. Muhammad iqbal	Mr. Mudassar Ali zaidi	Dr. Kaleem		
			BSSE 2nd (SS1)	BSSE 2nd (SS1)	MS (CS / IT / SE) 2nd Semester	MS (CS / IT / SE) 2nd Semeste
CL-9			Al Quran	Object Oriented Programming (Lab)	Computer Vision	Computer Vision
			Mr. Rahat Ali Khan	Ms. Sana Mumtaz	Dr Hussam Ali	Dr Hussam Ali
				MSCS 2nd Semester	MSCS 2nd Semester	
CL-10				Advance Artificial Intelligence	Advanced Artificial Intelligence	
				Mr. Fahad Magbool	Mr. Fahad Magbool	
	BSIT 2nd (Reg)		BSIT 4th (SS1)	BSSE 4th (Reg)	•	
CL-11	Communication & Presentation Skills		Design & Analysis of Algorithms	Al Quran		
	Mr. Faizan Ahmad		Mr. Nisar Ahmad	Mr. Muhammad Rashid Faroog		
		BSSE 4th (Reg)	BSIT 5th Semester	BSIT 4th (Reg)		
CL-12		Linear Algebra	System and Network Administration	Linear Algebra		
		Mr. Nawazish Ali	Mr. Abdul Qadeer	Dr. Qamar Iqbal		
	BSSE 2nd (Reg) (8:00 - 10:00 am)		BSCS 2nd (Reg)	BSCS 4th (Reg)		1
CL-13	Islamic Studies		Digital Logic and Design	Al Quran		
1 1	Ms. Sadia Rafig		Dr. Kaleem	Mr. Haseebur Rehman		
			BSCS 4th (SS2)	BSCS 2nd (SS1)		
CL-14			Comp Organization & Assembly	Probability & Statistics		
			Mr. Naveed Ahmad	Mr. Mohib ur Rehman		
	BSCS 4th (SS1)	BSIT 4th (SS1)	BSSE 2nd (SS1)	BSSE 2nd (SS2)		1
CL-15	Linear Algebra	Operating Systems	Software Engineering	Software Engineering		
1	Ms. Umme Rubab	Ms Hadiqa Afzal	Mr. Saud bin Tahir	Mr. Saud bin Tahir		1
	BSCS 4th (Reg)	BSCS 4th (Reg)	BSCS 4th (Reg)	BSCS 4th (SS2)		1
LAB-101	Database Systems	Database Systems (Lab)	Design & Analysis of Algorithms	Design & Analysis of Algorithms		
	Dr. Muhammad ilvas	Dr. Muhammad ilyas	Dr. Khalid Mahmood Aamir	Dr. Khalid Mahmood Aamir		
	BSIT 4th (SS2)	BSCS 4th (SS1)	BSCS 4th (SS1)	BSIT 5th Semester	MS (CS / IT / SE) 2nd Semester	MS (CS / IT / SE) 2nd Semeste
LAB-102	Linear Algebra	Design & Analysis of Algorithms	Al Quran	Cloud Computing	Cloud Computing	Cloud Computing
	Dr. Qamar Iqbal	Dr. Khalid Mahmood Aamir	Mr. Khurram Shahzad	Dr. Humaira Bilal	Mr Azhar Mushtag	Mr Azhar Mushtag
	Dr. Quina Apar	21. Alimin Francisco Francis	BSCS 2nd (SS1)	Di Tumuru Diui	BS(CS+IT+SE) 4th Semester	THE PART TRANSPER
IoT Lab			Communication Skills		Calculus & Analytical Geometry	

				TIMETABLE - Spring 2023 (Week 11)		
ROOMS	08:00 - 09:30	09:30- 11:00	11:00 - 12:30	12:30 - 01:30	02:00 - 03:30	03:30 - 05:00
	MSc-IT 3nd (Self)		BSIT 5th Semester			
CL-1	Enterprise Application Development		Information Security			
-	Dr Hafiz Faisal Shahzad		Mr. Waseem Ahmad			
	BSCS 2nd (Reg) (8:00 - 9:00)	BSCS 2nd (Reg)	BSCS 2nd (SS1)			
CL-2	Object Oriented Programming (Lab)	Discrete Structures	Discrete Structures			
CL 2	Mr. Aamir Zia	Mr. Muhammad jabal	Mr. Muhammad igbal			
	BSIT 2nd (SS2)	BSIT 2nd (SS1)	BSIT 2nd (SS2)	BSIT 5th Semester		
CL-3	Probability & Statistics	Object Oriented Programming	Object Oriented Programming	Cloud Computing		
CL-3	Ms. Ishrat Fatima	Ms. Madiha Sarwar	Ms. Madiha Sarwar	Dr. Humaira Bilal		
	IVIS. ISIII at Fatilia	BSSE 4th (Reg)	Wis. Madilia Sai wai	BSIT 4th (Reg)		
CL-4		Web Engineering		Computer Networks		
CL-4		Ms. Iqra Khan		Ms. Sidra Batool		
	BSIT 4th (SS2)	BSIT 2nd (SS2)		BSIT 2nd (Reg)		
CL-5						
CL-5	Operating Systems Mr. Muhammad wagas Haider	Software Engineering		Al Quran Mr. Mehmood Ashraf		
	Mr. Munammad waqas Haider	Mr. Qaisar Farooq	BSCS 2nd (SS2)	Mr. Menmood Ashrai BSCS 2nd (SS2)		
CL-7			BSCS 2nd (SS2) Digital Logic and Design (Lab)	Discrete Structures		
CL-/			Ms Hadiga Afzal	Discrete Structures Mr. Muhammad igbal		
			Ms Hadiqa Afzal BSSE 2nd (SS1)	Mr. Muhammad iqbal BSIT 4th (SS1)	<del> </del>	
CL-8			Principles of Management	Computer Networks (Lab)		
CL-0			Mr. Ahsan Javaid	Mr. Abdul Qadeer		
	BSIT 4th (Reg) (7:30 - 9:30)	BSIT 4th (SS2)	BSSE 2nd (SS2)	BSCS 2nd (SS1)	MSSE 2nd Semester	MCCE 2 1C
LAB-2		. ( /				MSSE 2nd Semester
LAD-2	Operating Systems (Lab)	Operating Systems (Lab)	Principles of Management	Probability & Statistics	Advance Software Project Manager	Advance Software Project Manager
	Ms. Iqra Malik	Ms. Iqra Malik	Dr. Naseer Abbas Khan	Mr. Mohib ur Rehman	Dr. Muhammad Ilyas	Dr. Muhammad Ilyas
	BSCS 4th (Reg)		MSc-IT 3nd (Self)	BSCS 4th (SS2)		
CL-9	Linear Algebra		Data Structures & Algorithms	Web System and Technologies		
	Ms. Umme Rubab		Mr. Aamir Zia	Ms. Iqra Khan		
			BSIT 2nd (SS2)	BSIT 2nd (SS2)	MSIT 2nd Semester	MSIT 2nd Semester
CL-10			Probability & Statistics	Principles of Management	Information Privacy and Security	Information Privacy and Security
			Ms. Ishrat Fatima	Mr. Faheem Athar Haqqani	Mr. Farooq Javid	Mr. Farooq Javid
	BSSE 2nd (Reg)		BSSE 4th (Reg)	BSIT 2nd (SS1)	MSCS 2nd Semester	MSCS 2nd Semester
CL-11	Al Quran		Software Design and Architecture	Principles of Management	Advance Computer Architecture	Advance Computer Architecture
	Mr. Rahat Ali Khan		Ms. Qaisera Ramzan	Mr. Kashif Ammar	Dr. Kaleem	Dr. Kaleem
	BSSE 2nd (SS1) (8:00 - 10:00)		BSSE 2nd (Reg)	BSCS 4th (SS1)	BS(CS+IT+SE) 4th Semester	
CL-12	Islamic Studies		Principles of Management	Linear Algebra	Calculus & Analytical Geometry	
	Ms. Sadia Rafiq		Dr. Naveed Mushtaq	Ms. Umme Rubab	Dr. Mumtaz	
	BSIT 2nd (SS1)	BSCS 2nd (SS1)	BSIT 4th (SS1)	BSIT 4th (SS2)		
CL-13	Probability & Statistics	Digital Logic and Design	Design & Analysis of Algorithms	Linear Algebra		
	Ms. Saba Atta	Dr. Kaleem	Mr. Nisar Ahmad	Dr. Qamar Iqbal		
	BSIT 2nd (Reg)	BSIT 2nd (Reg)	BSCS 4th (SS1)	BSSE 2nd (SS1)		
CL-14	Communication & Presentation Skills	Software Engineering	Web System and Technologies	Communication & Presentation Skills		
	Mr. Faizan Ahmad	Mr. Qaisar Farooq	Ms. Iqra Khan	Ms. Khushboo Amir		
	BSIT 4th (SS1)	BSCS 4th (SS2)	BSIT 4th (SS2)	BSSE 2nd (SS2)		
CL-15	Linear Algebra	Comp Organization & Assembly	Computer Networks	Communication & Presentation Skills		
	Dr. Qamar Iqbal	Mr. Naveed Ahmad	Ms. Sidra Batool	Ms. Khushboo Amir		
			BSCS 4th (Reg)	BSSE 4th (Self)		
LAB-101			Comp Organization & Assembly	Software Design and Architecture		
			Mr. Naveed Ahmad	Ms. Qaisera Ramzan	<u> </u>	
		BSSE 2nd (Reg) (09:00 - 11:00 am)	BSIT 4th (Reg)	BSSE 2nd (Reg)		
LAB-102		Object Oriented Programming (Lab)	Design & Analysis of Algorithms	Discrete Structures		
		Mr. Aamir Zia	Dr. Khalid Mahmood Aamir	Dr. Ramzan Malik		
					BS(CS+IT+SE) 2nd	BS(CS+IT+SE) 2nd
IoT Lab					Programming Fundamentals	Programming Fundamentals (lab)
					Mr. Muhammad Fahad	Mr. Muhammad Fahad

				TIMETABLE - Spring 2023 (Week 11)		
ROOMS	08:00 - 09:30	09:30- 11:00	11:00 - 12:30	12:30 - 01:30	02:00 - 03:30	03:30 - 05:00
	BSCS 4th (SS2)	BSIT 2nd (SS1)	BSIT 2nd (Reg)	BSIT 2nd (SS2)		
CL-1	Database Systems	Digital Logic Design	Digital Logic Design	Digital Logic Design		
	Dr Hafiz Faisal Shahzad	Mr. Salman Ahmad	Mr. Salman Ahmad	Mr. Salman Ahmad		
	MSc-IT 3nd (Self)		BSIT 5th Semester	BSIT 5th Semester		
CL-2	Capstone Project I		Design & Analysis of Algorithm	Information Security		
	Dr Hussam Ali		Ms. Igra Malik	Mr. Waseem Ahmad		
	BSSE 2nd (SS1)	BSIT 2nd (SS2)	BSIT 2nd (SS1)	BSCS 2nd (Reg)		
CL-3	Object Oriented Programming	Object Oriented Programming	Principles of Management	Probability & Statistics		
	Mr. Muhammad igbal	Ms. Madiha Sarwar	Mr. Kashif Ammar	Mr. Wagar Pervaiz		
-	771. Transmina Rour	BSIT 4th (Reg)	BSCS 2nd (SS1)	BSCS 2nd (SS2)		T
CL-4		Web Technologies	Discrete Structures	Communication Skills		
		Ms. Samreen Razzag	Mr. Muhammad igbal	Ms. Sanawia		
	ľ	BSCS 2nd (Reg)	BSSE 2nd (Reg)	BSCS 4th (SS1)		
CL-5		Discrete Structures	Principles of Management	Web System and Technologies		
CL-3		Mr. Muhammad igbal	Dr. Naveed Mushtaq	Ms. Igra Khan		
	BSCS 2nd (Reg) (8:00 - 9:00)	Mr. Muhahihad iqoai	BSIT 4th (SS1)	BSCS 4th (Reg)		
CL-7	Al Quran		Web Technologies	Web System and Technologies		
CL-/	Al Quran Ms. Zainab Bibi		Ms. Samreen Razzaq	Ms. Samreen Razzag		
	Ms. Zainab Bibi			Ms. Samreen Razzaq BSIT 4th (SS1)	MSCS 2nd Semester	MSCS 2nd Semester
CT 0			BSCS 2nd (SS2)			
CL-8			Digital Logic and Design	Operating Systems (Lab)	Theory of Computation	Theory of Computation
			Dr. Kaleem	Ms. Iqra Malik	Dr. Ramzan Malik	Dr. Ramzan Malik
			BSSE 4th (Self)	BSSE 4th (Self)		
LAB-2			Operating Systems	Operating Systems(lab)		
			Dr. Ramzan Malik	Ms Anam Lodhi		
	BSIT 4th (Reg)	BSSE 4th (Reg)	MSc-IT 3nd (Self)	MSc-IT 3nd (Self)		
CL-9	Linear Algebra	Web Engineering	Capstone Project I	Multimedia Systems and Design		
	Dr. Qamar Iqbal	Ms. Iqra Khan	Dr Hussam Ali	Mr. Qaisar Farooq		
	BSIT 4th (SS2) (08:30 - 09:30)	BSIT 4th (SS1)	BSIT 2nd (SS2)		MS (CS / IT / SE) 2nd Semester	MS (CS / IT / SE) 2nd Semester
CL-10	Computer Networks (Lab)	Linear Algebra	Software Engineering		Telecommunication Systems	Telecommunication Systems
	Mr. Abdul Qadeer	Dr. Qamar Iqbal	Mr. Qaisar Farooq		Mr. Shafaan Khaliq Bhatti	Mr. Shafaan Khaliq Bhatti
			BSIT 4th (Reg)		BS(CS+IT+SE) 4th Semester	
CL-11			Al Quran		Data Structures and Algorithms	
			Mr. Bilal Ramzan	Ms. Amber Javed	Mr. Muhammad Fahad	
	BSIT 2nd (Reg)	BSIT 2nd (Reg)		BSSE 4th (Reg)		
CL-12	Probability & Statistics	Principles of Management		Software Design and Architecture		
	Dr. Afshan	Mr. Rafiullah Bilal		Ms. Qaisera Ramzan		
	BSCS 2nd (SS2) (9:00 - 10:00)	BSCS 2nd (SS1) (10:00 - 11:00)		BSIT 2nd (SS1)		1
CL-13	Al Quran	Al Quran		Communication & Presentation Skills		
	Ms. Zainab Bibi	Ms. Zainab Bibi		Ms. Ifrah Naz		
	BSSE 2nd (SS2) (08:00 - 10:00 am)	May Laminu Divi		BSIT 4th (Reg)		
CL-14	Islamic Studies			Operating Systems		
	Ms. Sadia Rafiq			Ms. Anum Lodhi		
<b> </b>	wis. Saula Kariq	BSSE 2nd (Reg)	BSSE 2nd (SS2)	BSSE 2nd (SS2)		1
CL-15		Software Engineering	Communication & Presentation Skills	Principles of Management		
CL-13		Mr. Saud bin Tahir	Ms. Khushboo Amir	Dr. Naseer Abbas Khan		
	BSCS 4th (SS1)	BSCS 4th (SS1)	BSCS 4th (SS1)	BSCS 4th (SS2)		<u> </u>
LAB-101			Design & Analysis of Algorithms			
L/AB-101	Database Systems	Database Systems (Lab)	Design & Analysis of Algorithms Dr. Khalid Mahmood Aamir	Design & Analysis of Algorithms Dr. Khalid Mahmood Aamir		
	Dr. Muhammad ilyas	Dr. Muhammad ilyas				
T A D 102		BSCS 4th (Reg)	BSSE 2nd (SS1)	BSCS 2nd (SS1)		
LAB-102		Design & Analysis of Algorithms	Software Engineering	Digital Logic and Design		
		Dr. Khalid Mahmood Aamir	Mr. Saud bin Tahir	Dr. Kaleem		
				BSSE 2nd (Reg)		
IoT - Lab				Communication & Presentation Skills		
				Ms. Khushboo Amir		1

				TIMETABLE - Spring 2023 (Week 11)		
AY ROOMS	08:00 - 09:30	09:30- 11:00	11:00 - 12:30	12:30 - 01:30	02:00 - 03:30	03:30 - 05:00
	BSCS 4th (SS2)		BSCS 4th (SS1)	BSCS 4th (SS1)		
CL-1	Database Systems		Comp Organization & Assembly	Comp Organization & Assembly		
	Dr Hafiz Faisal Shahzad		Mr. Naveed Ahmad	Mr. Naveed Ahmad		
	BSSE 2nd (SS2)	BSSE 4th (Reg)	BSCS 4th (SS2)	BSCS 4th (Reg)		
CL-2	Software Engineering	Operating Systems(lab)	Web System and Technologies	Web System and Technologies		
	Mr. Saud bin Tahir	Ms Anam Lodhi	Ms. Igra Khan	Ms. Samreen Razzag		
	BSIT 2nd (Reg)	BSIT 2nd (Reg)	BSCS 2nd (SS1)	BSSE 2nd (SS2)		
CL-3	Principles of Management	Object Oriented Programming	Object Oriented Programming	Object Oriented Programming		
	Mr. Rafiullah Bilal	Ms. Madiha Sarwar	Mr. Aamir Zia	Mr. Muhammad igbal		
	BSCS 2nd (SS1)	BSCS 2nd (Reg)	MILL TARREST	BSCS 2nd (SS1) (12:30 - 1:30)		
CL-4	Communication Skills	Communication Skills		Object Oriented Programming (Lab)		
	Ms. Sanawia	Ms. Sanawia		Mr. Aamir Zia		
	1710. Dalawa	BSCS 2nd (SS2)	BSSE 4th (Self)	BSSE 4th (Reg)		BSCS 2nd Semester
CL-5		Discrete Structures	Al Quran	Operating Systems		Mathematics II
CZ U		Mr. Muhammad jobal	Mr. Muhammad Rashid Faroog	Dr. Ramzan Malik		Ms. Marvam Shafig
		BSIT 5th Semester	BSIT 5th Semester	BSIT 4th (SS2)		BSIT 2nd Semester
CL-7		System and Network Administration	Database Systems	Web Technologies		Mathematics II
CL-/		Mr. Abdul Qadeer	Ms. Kawish Habiba	Ms. Iqra Khan		Ms. Salma Nasir
-	BSSE 4th (Self)	Wr. Abdul Qadeer	IVIS. KAWISH HADIDA	Ms. Iqra Knan BSIT 4th (SS1)	MSSE 2nd Semester	MS. Salma Nasir  MSSE 2nd Semester
CL-8	Probability and Statistics			Computer Networks	Software Quality Assurance	Software Quality Assurance
CL-0	Mr. Ali Hssan Malik			Ms. Sidra Batool	Mr. Abid Rafiq	Mr. Abid Rafig
	Mr. Ali Hssan Malik BSIT 4th (SS2)	BSIT 2nd (SS1)	BSCS 2nd (SS2)	Ms. Sidra Batooi	Mr. Abid Kanq	BSSE 2nd Semester
LAB-2						Mathematics II
C LAB-2	Operating Systems	Software Engineering Mr. Oaisar Faroog	Object Oriented Programming (Lab) Ms. Sana Mumtaz			Mathematics II Mr. Zubair Ali
	Mr. Muhammad waqas Haider			Mg 700 1/g 10		Mr. Zubair Ali
CL-9	BSCS 2nd (Reg)	BSSE 4th (Self)	BSIT 2nd (Reg)	MSc-IT 3nd (Self)		
CL-9	Object Oriented Programming	Web Engineering	Software Engineering	Multimedia Systems and Design		
∃ —	Mr. Aamir Zia	Ms. Iqra Khan	Mr. Qaisar Farooq	Mr. Qaisar Farooq		
F		BSIT 4th (Reg)	MSc-IT 3nd (Self)		MSIT 2nd Semester	MSIT 2nd Semester
CL-10		Web Technologies	Network Design and Management		Advanced Algorithms	Advanced Algorithms
<b>-</b>		Ms. Samreen Razzaq	Mr. Farooq Javid		Dr. Khalid Mahmood Aamir	Dr. Khalid Mahmood Aamir
GT 44	BSIT 2nd (SS2)		BSIT 4th (SS2)		BS(CS+IT+SE) 4th Semester	
CL-11	Communication & Presentation Skills		Computer Networks		Data Structures and Algorithms	
	Ms. Ifrah Naz		Ms. Sidra Batool		Mr. Muhammad Fahad	
		MSc-IT 3nd (Self)				
CL-12		Discrete Structures				
		Dr. Ramzan Malik				
		BSIT 4th (SS1)	BSSE 4th (Reg)			
CL-13		Operating Systems	Probability and Statistics			
		Ms Hadiqa Afzal	Mr. Waqar Pervaiz			
	BSSE 2nd (SS1)	BSSE 2nd (Reg)	BSSE 2nd (SS2)			
CL-14	Principles of Management	Object Oriented Programming	Al Quran			
	Mr. Ahsan Javaid	Mr. Aamir Zia	Mr. Rahat Ali Khan			
		BSSE 2nd (SS2)	BSSE 2nd (SS1)	BSCS 2nd (SS2)		
CL-15		Discrete Structures	Discrete Structures	Probability & Statistics		
		Mr. Nisar Ahmad	Mr. Nisar Ahmad	Ms. Mahreen Sarwar		
	BSCS 4th (Reg)	BSCS 4th (Reg)	BSIT 4th (Reg)	BSSE 4th (Self)		
LAB-101	Database Systems	Database Systems (Lab)	Design & Analysis of Algorithms	Linear Algebra		
	Dr. Muhammad ilyas	Dr. Muhammad ilyas	Dr. Khalid Mahmood Aamir	Mr. Nawazish Ali		
	BSIT 4th (Reg)		BSIT 2nd (SS2)	BSIT 5th Semester		
LAB-102	Computer Networks (Lab)		Probability & Statistics	System and Network Administration (Lab)		
	Mr. Abdul Qadeer		Ms. Ishrat Fatima	Mr. Abdul Qadeer		
	-		BSIT 4th (SS1)	BSIT 2nd (SS2)	BSIT 4th (SS2)	
IoT - Lab			Web Technologies	Principles of Management	Design & Analysis of Algorithms	
		1	Ms. Samreen Razzag	Mr. Faheem Athar Haggani	Mr. Nisar Ahmad	i

				TIMETABLE - Spring 2023 (Week 11)		
Y ROOMS	8:00-9:20	09:20 - 10:40	10:40 - 12:00	12:00 - 01:20	02:00 - 03:30	03:30 - 05:00
$\perp$	BSSE 4th (Reg)	BSCS 2nd (SS2)	BSSE 4th (Self)			
CL-1	Linear Algebra	Object Oriented Programming	Operating Systems			
	Mr. Nawazish Ali	Mr. Muhammad iqbal	Dr. Ramzan Malik			
	BSSE 4th (Self)	BSCS 2nd (SS1)				
CL-2	Probability and Statistics	Object Oriented Programming				
	Mr. Ali Hssan Malik	Mr. Aamir Zia				
	BSCS 4th (Reg)		BSCS 4th (Reg)	BSIT 2nd (SS1)		BSIT 2nd (SS1)
CL-3	Linear Algebra		Comp Organization & Assembly	Digital Logic Design		Al Quran
	Ms. Umme Rubab		Mr. Naveed Ahmad	Mr. Salman Ahmad		Mr. Haseeb ur Rehman
	BSCS 2nd (SS2)	BSSE 2nd (SS2)	MSc-IT 3nd (Self)	BSSE 2nd (SS2)		
CL-4	Probability & Statistics	Discrete Structures	Object Oriented Analysis & Design	Object Oriented Programming(Lab)		
	Ms. Mahreen Sarwar	Mr. Nisar Ahmad	Mr. Mudassar Ali zaidi	Ms. Mehwish Shehzadi		
		MSc-IT 3nd (Self)	BSCS 2nd (SS2)	BSIT 5th Semester		
CL-5		Discrete Structures	Digital Logic and Design	Database Systems		
		Dr. Ramzan Malik	Dr. Kaleem	Ms. Kawish Habiba		
	MSc-IT 3nd (Self)		BSSE 2nd (SS2)	BSSE 4th (Reg)		
CL-7	Data Structures & Algorithms		Object Oriented Programming	Operating Systems		
	Mr. Aamir Zia		Mr. Muhammad iqbal	Dr. Ramzan Malik		
	BSSE 2nd (Reg)		BSIT 5th Semester		BSIT 2nd Semester	
CL-8	Discrete Structures		Database Systems (Lab)		Mathematics II	
	Dr. Ramzan Malik		Ms. Kawish Habiba		Ms. Salma Nasir	
	BSIT 2nd (SS2)	BSIT 2nd (SS1)	BSIT 4th (SS2)	BSIT 2nd (SS2))		
LAB-2	Digital Logic Design	Object Oriented Programming (Lab)	Design & Analysis of Algorithms	Object Oriented Programming (Lab)		
	Mr. Salman Ahmad	Mr. Umair Mujtaba	Mr. Nisar Ahmad	Mr. Umair Mujtaba		
	BSIT 2nd (Reg)	BSSE 2nd (Reg)	BSIT 2nd (SS1)	BSCS 2nd (SS1)	BSCS 2nd Semester	
CL-9	Object Oriented Programming (Lab)	Software Engineering	Software Engineering	Digital Logic and Design (Lab)	Mathematics II	
	Mr. Umair Mujtaba	Mr. Saud bin Tahir	Mr. Qaisar Farooq	Ms Hadiqa Afzal	Ms. Maryam Shafiq	
	BSIT 2nd (SS1)	BSCS 4th (Reg)	BSCS 2nd (SS1) (10:40 - 11:30 am)	·	BSSE 2nd Semester	
CL-9	Communication & Presentation Skills	Comp Organization & Assembly	Object Oriented Programming (Lab)		Mathematics II	
	Ms. Ifrah Naz	Mr. Naveed Ahmad	Mr. Aamir Zia		Mr. Zubair Ali	
	BSCS 2nd (Reg)	BSIT 4th (SS1)	BSCS 2nd (Reg)	BSCS 2nd (SS2)		
CL-11	Probability & Statistics	Computer Networks	Communication Skills	Communication Skills		
	Mr. Waqar Pervaiz	Ms. Sidra Batool	Ms. Sanawia	Ms. Sanawia		
	•		BSIT 2nd (Reg)	BSSE 2nd (SS1)		
CL-12			Digital Logic Design	Communication & Presentation Skills		
			Mr. Salman Ahmad	Ms. Khushboo Amir		
	BSIT 4th (SS2)	BSIT 2nd (SS2)	BSSE 2nd (Reg)	BSIT 4th (SS1)		
CL-13	Al Quran	Communication & Presentation Skills	Communication & Presentation Skills	Al Quran		
	Mr. Bilal Ramzan	Ms. Ifrah Naz	Ms. Khushboo Amir	Mr. Bilal Ramzan		
	Mi. Diai Kanzan	BSIT 4th (Reg)	BSCS 4th (SS2)	Mi. Diai Kanzan		
CL-14		Operating Systems	Linear Algebra			
		Ms. Anum Lodhi	Ms. Marvam Bashir			
<u> </u>		IVIS. Aliulii Loulii	BSIT 2nd (SS2)	BSIT 2nd (Reg)		
CL-15			Al Quran	Probability & Statistics		
02.20			Mr. Haseeb ur Rehman	Dr. Afshan		
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LAB-101	Database Systems	Database Systems (Lab)	Probability and Statistics	Linear Algebra		
2/101	Dr. Muhammad ilyas	Dr. Muhammad ilyas	Mr. Waqar Pervaiz	Ms. Maryam Bashir		
	BSCS 4th (SS2)	Di. Wunanimau nyas	BSIT 4th (Reg)	BSSE 4th (Self)		
LAB-102	Database Systems (Lab)		Computer Networks	Linear Algebra		
2/11/2	Mr. Abid Rafig		Ms. Sidra Batool	Mr. Nawazish Ali		
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IoT Lab	Computer Networks (Lab)	Digital Logic and Design (Lab)		Computer Networks (Lab)		
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# Architecture tradeoff analysis method

In <u>software engineering</u>, **architecture tradeoff analysis method** (**ATAM**) is a riskmitigation process used early in the
<u>software development life cycle</u>.

ATAM was developed by the <u>Software</u>

<u>Engineering Institute</u> at the <u>Carnegie</u>

<u>Mellon University</u>. Its purpose is to help

choose a suitable <u>architecture</u> for a software system by discovering <u>trade-offs</u> and sensitivity points.

ATAM is most beneficial when done early in the software development life-cycle, when the cost of changing architectures is minimal.

#### ATAM benefits

The following are some of the benefits of the ATAM process:<sup>[1]</sup>

- identified risks early in the life cycle
- increased communication among stakeholders

- clarified quality attribute requirements
- improved architecture documentation
- documented basis for architectural decisions

## ATAM process

The ATAM process consists of gathering stakeholders together to analyze business drivers (system functionality, goals, constraints, desired non-functional properties) and from these drivers extract quality attributes that are used to create scenarios. These scenarios are then used in conjunction with architectural approaches and architectural decisions to

create an analysis of trade-offs, sensitivity points, and risks (or non-risks). This analysis can be converted to risk themes and their impacts whereupon the process can be repeated. With every analysis cycle, the analysis process proceeds from the more general to the more specific, examining the questions that have been discovered in the previous cycle, until such time as the architecture has been finetuned and the risk themes have been addressed.

# Steps of the ATAM process

ATAM formally consists of nine steps, outlined below: [2]

- Present ATAM Present the concept of ATAM to the stakeholders, and answer any questions about the process.
- Present business drivers everyone in the process presents and evaluates the business drivers for the system in question.
- 3. Present the architecture the architect presents the high-level architecture to the team, with an 'appropriate level of detail'

- 4. Identify architectural approaches different architectural approaches to the system are presented by the team, and discussed.
- 5. Generate quality attribute utility tree define the core business and technical requirements of the system, and map them to an appropriate architectural property. Present a scenario for this given requirement.
- 6. Analyze architectural approaches Analyze each scenario, rating them by priority. The architecture is then evaluated against each scenario.

- 7. Brainstorm and prioritize scenarios among the larger stakeholder group, present the current scenarios, and expand.
- Analyze architectural approaches –
   Perform step 6 again with the added knowledge of the larger stakeholder community.
- Present results provide all documentation to the stakeholders.

These steps are separated in two phases: Phase 1 consists of steps 1-6 and after this phase, the state and context of the project, the driving architectural requirements and the state of the

architectural documentation are known. Phase 2 consists of steps 7-9 and finishes the evaluation [3]

#### See also

- ilities
- Architecture-centric design method
- Multi-criteria decision analysis
- ARID
- Software architecture analysis method, precursor to architecture tradeoff analysis method
- Architectural analytics

### References

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- 2. Bass, Len; Clements, Paul; Kazman, Rick (April 9, 2003). Software Architecture in Practice, Second Edition. Addison Wesley Professional.
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#### External links

LIZECT TIME TITLE

- Reduce Risk with Architecture Evaluation (https://resources.sei.cmu.edu/library/a sset-view.cfm?assetID=513805)
- ATAM: Method for Architecture
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