ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170537 **Name:** Samay Iqbal

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	90	100	37		50				87			
	Calculus I	3	78	92										
	Electric Circuits Analysis	3	77	72										
	Electric Circuits Analysis Lab	1		77		100					77			
	Islamic Studies	2								87				80
	Technical Report Writing	2										80		
	Workshop Practice	2	90							59	75			
FALL-2018	Data Structures and Object Oriented Programming	3	96	100	88		25				50	83	100	
	Electronic Circuits Design	3	78	82	86									
	Electronic Circuits Design Lab	1				93					63			
	Engineering Dynamics	3	70	85										
	Materials and Manufacturing Processes	3	83		81									
	Multivariable Calculus	3	76	76										
	Solid Modeling and Manufacturing Processes	1			88		73					64		
FALL-2019	Communication Skills	2										67		
	Fundamentals of Thermal Sciences	3	80	91	68									
	Fundamentals of Thermal Sciences Lab	1				73					59	48		
	Microcontroller and Embedded Systems	2	52	57	60									
	Microcontroller and Embedded Systems Lab	2				79	94				47			
	Path Planing for Mobile Robots	3		72	89		77				50			
	Signals and System	2	70	58										
	Theory of Machines	2	87	77										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170537 **Name:** Samay Iqbal

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				60					64			
FALL-2020	Control Systems	3	78	77	94									
	Control Systems Lab	1					84				93			
	Design of Machine Elements	2	56	69	36									
	Final Year Project II	2	63	70	70	70		70		70	70	70	70	70
	Mechanical Vibrations	2	91	62										
	Numerical Analysis and Computation	3		66	80		83							
	Pakistan Studies	2						83						83
	Technical English	2										77		
SPRING-2018	Computer Programming	3	75	63	88		60							
	Electronics Devices and Circuits	3	90	88	89									
	Electronics Devices and Circuits Lab	1	72								90			
	Engineering Draw ing	2	80		31		50							
	Engineering Statics	3	100	89										
	Ethics	2			61						79			59
	Ordinary Differential Equations and Linear Algebra	3	76	54										
SPRING-2019	Actuating Systems	3	91	70	100									
	Actuating Systems Lab	1		83							64			
	Complex Variables and Transforms	3	78		89									
	Digital Logic Design	3	65	61	66									
	Digital Logic Design Lab	1				84	60				81			
	Instrumentation and Measurement Systems	3	89	87										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170537 **Name:** Samay Iqbal

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		60		75					77			
	Mechanics of Materials	2	96	63										
	Mechanics of Materials Lab	1				83					61			
SPRING-2020	Final Year Project I	1	94	96	96	94		94		94	94	94	96	94
	Fluid Mechanics	2	75	97										
	Fluid Mechanics Lab	1				75					78			
	Mechatronic Systems Design	2			78	81							81	
	Mechatronic Systems Design Lab	2					60				68	41		
	Modeling and Simulation in Mechatronics	3	86	54			62							
	Probability and Random Variables	3	92	81		90								
	Robotics	3	42	51										
	Robotics Lab	1					94				82			
SPRING-2021	Energy and Society	2	81	78										
	Engineering Economics	3	94	89										
	Engineering Management and Entrepreneurship	2								78				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	91	78	79									
	Manufacturing Automation Lab	1		85			82				89			
	Pow er Electronics	3	89	85	86									
	Total PLO Attainment:		8039	7574	4774	1767	2072	550	150	982	2698	1425	998	978
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		81	77	77	84	63	69	50	82	73	75	91	82

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170540 **Name:** Waleed Qureshi

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	42	59	42		54				82			
	Calculus I	3	64	75										
	Electric Circuits Analysis	3	73	86										
	Electric Circuits Analysis Lab	1		71		86					68			
	Islamic Studies	2								87				86
	Technical Report Writing	2										88		
	Workshop Practice	2	100							100	83			
FALL-2018	Data Structures and Object Oriented Programming	3	100	50	91		100				69	83	100	
	Electronic Circuits Design	3	75	70	80									
	Electronic Circuits Design Lab	1				92					84			
	Engineering Dynamics	3	70	65										
	Materials and Manufacturing Processes	3	80		75									
	Multivariable Calculus	3	77	67										
	Solid Modeling and Manufacturing Processes	1			79		84					50		
FALL-2019	Communication Skills	2										82		
	Fundamentals of Thermal Sciences	3	62	76	80									
	Fundamentals of Thermal Sciences Lab	1				80					53	38		
	Microcontroller and Embedded Systems	2	100	96	62									
	Microcontroller and Embedded Systems Lab	2				77	34				50			
	Path Planing for Mobile Robots	3		82	83		77				50			
	Signals and System	2	74	47										
	Theory of Machines	2	98	87										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170540 **Name:** Waleed Qureshi

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				80					50			
FALL-2020	Control Systems	3	87	98	100									
	Control Systems Lab	1					55				85			
	Design of Machine Elements	2	74	77	0									
	Final Year Project II	2	76	91	91	91		91		91	91	91	91	91
	Mechanical Vibrations	2	87	74										
	Numerical Analysis and Computation	3		74	89		100							
	Pakistan Studies	2						57						71
	Technical English	2										68		
SPRING-2018	Computer Programming	3	50	92	97		82							
	Electronics Devices and Circuits	3	86	53	64									
	Electronics Devices and Circuits Lab	1	74								87			
	Engineering Draw ing	2	89		88		75							
	Engineering Statics	3	40	68										
	Ethics	2			84						79			68
	Ordinary Differential Equations and Linear Algebra	3	44	38										
SPRING-2019	Actuating Systems	3	78	70	97									
	Actuating Systems Lab	1		86							58			
	Complex Variables and Transforms	3	59		11									
	Digital Logic Design	3	68	91	64									
	Digital Logic Design Lab	1				85	79				73			
	Instrumentation and Measurement Systems	3	75	81										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170540 **Name:** Waleed Qureshi

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
	PLO Name		PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		59		91					59			
	Mechanics of Materials	2	68	75										
	Mechanics of Materials Lab	1				75					54			
SPRING-2020	Final Year Project I	1	96	97	97	96		96		96	96	96	96	96
	Fluid Mechanics	2	86	94										
	Fluid Mechanics Lab	1				79					92			
	Mechatronic Systems Design	2			91	81							87	
	Mechatronic Systems Design Lab	2					84				88	80		
	Modeling and Simulation in Mechatronics	3	38	65			48							
	Probability and Random Variables	3	67	89		94								
	Robotics	3	65	63										
	Robotics Lab	1					62				70			
SPRING-2021	Energy and Society	2	77	85										
	Engineering Economics	3	97	91										
	Engineering Management and Entrepreneurship	2								75				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	91	94	66									
	Manufacturing Automation Lab	1		70			73				75			
	Pow er Electronics	3	72	98	96									
	Total PLO Attainment:		7259	7485	4689	1844	2326	542	150	1102	2771	1551	1052	1028
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		73	76	76	88	70	68	50	92	75	82	96	86

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170546 **Name:** Muhammad Arsalan Raja

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	57	75	46		68				73			
	Calculus I	3	75	89										
	Electric Circuits Analysis	3	90	65										
	Electric Circuits Analysis Lab	1		83		100					77			
	Islamic Studies	2								84				78
	Technical Report Writing	2										54		
	Workshop Practice	2	100							83	83			
FALL-2018	Data Structures and Object Oriented Programming	3	80	80	53		100				81	100	50	
	Electronic Circuits Design	3	73	47	82									
	Electronic Circuits Design Lab	1				96					84			
	Engineering Dynamics	3	78	87										
	Materials and Manufacturing Processes	3	52		82									
	Multivariable Calculus	3	68	76										
	Solid Modeling and Manufacturing Processes	1			81		88					86		
FALL-2019	Communication Skills	2										57		
	Fundamentals of Thermal Sciences	3	83	70	50									
	Fundamentals of Thermal Sciences Lab	1				79					58	47		
	Microcontroller and Embedded Systems	2	69	34	54									
	Microcontroller and Embedded Systems Lab	2				84	88				100			
	Path Planing for Mobile Robots	3		67	73		73				50			
	Signals and System	2	53	56										
	Theory of Machines	2	78	81										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170546 **Name:** Muhammad Arsalan Raja

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				80					100			
FALL-2020	Control Systems	3	84	89	65									
	Control Systems Lab	1					95				80			
	Design of Machine Elements	2	51	62	14									
	Final Year Project II	2	70	74	74	74		74		74	74	74	74	74
	Mechanical Vibrations	2	94	70										
	Numerical Analysis and Computation	3		76	55		83							
	Pakistan Studies	2						88						69
	Technical English	2										69		
SPRING-2018	Computer Programming	3	75	66	78		78							
	Electronics Devices and Circuits	3	86	83	82									
	Electronics Devices and Circuits Lab	1	69								95			
	Engineering Drawing	2	94		71		81							
	Engineering Statics	3	75	81										
	Ethics	2			63						71			77
	Ordinary Differential Equations and Linear Algebra	3	78	67										
SPRING-2019	Actuating Systems	3	79	67	84									
	Actuating Systems Lab	1		96							75			
	Complex Variables and Transforms	3	75		50									
	Digital Logic Design	3	76	80	68									
	Digital Logic Design Lab	1				88	76				81			
	Instrumentation and Measurement Systems	3	78	70										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170546 **Name:** Muhammad Arsalan Raja

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		77		86					68			
	Mechanics of Materials	2	64	56										
	Mechanics of Materials Lab	1				65					71			
SPRING-2020	Final Year Project I	1	79	86	86	79		79		79	79	79	79	79
	Fluid Mechanics	2	88	93										
	Fluid Mechanics Lab	1				71					78			
	Mechatronic Systems Design	2			78	75							87	
	Mechatronic Systems Design Lab	2					88				75	82		
	Modeling and Simulation in Mechatronics	3	87	50			65							
	Probability and Random Variables	3	63	78		85								
	Robotics	3	60	80										
	Robotics Lab	1					78				86			
SPRING-2021	Energy and Society	2	81	74										
	Engineering Economics	3	89	91										
	Engineering Management and Entrepreneurship	2								76				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	89	58	73									
	Manufacturing Automation Lab	1		87			80				94			
	Pow er Electronics	3	74	71	80									
	Total PLO Attainment:		7572	7235	4211	1765	2550	553	150	1013	2917	1484	851	975
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		76	74	68	84	77	69	50	84	79	78	77	81

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170548 **Name:** Ali Hamza Malik

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	83	48	41		72				83			
	Calculus I	3	84	78										
	Electric Circuits Analysis	3	73	92										
	Electric Circuits Analysis Lab	1		76		75					62			
	Islamic Studies	2								83				85
	Technical Report Writing	2										81		
	Workshop Practice	2	73							86	83			
FALL-2018	Data Structures and Object Oriented Programming	3	70	0	83		0				100	83	100	
	Electronic Circuits Design	3	77	82	91									
	Electronic Circuits Design Lab	1				97					76			
	Engineering Dynamics	3	70	70										
	Materials and Manufacturing Processes	3	86		89									
	Multivariable Calculus	3	94	94										
	Solid Modeling and Manufacturing Processes	1			77		91					64		
FALL-2019	Communication Skills	2										42		
	Fundamentals of Thermal Sciences	3	41	73	55									
	Fundamentals of Thermal Sciences Lab	1				82					73	63		
	Microcontroller and Embedded Systems	2	63	57	45									
	Microcontroller and Embedded Systems Lab	2				42	91				50			
	Path Planing for Mobile Robots	3		81	74		66				50			
	Signals and System	2	66	71										
	Theory of Machines	2	69	67										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170548 **Name:** Ali Hamza Malik

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				100					71			
FALL-2020	Control Systems	3	72	89	87									
	Control Systems Lab	1					84				89			
	Design of Machine Elements	2	48	69	57									
	Final Year Project II	2	71	78	78	78		78		78	78	78	78	78
	Mechanical Vibrations	2	91	75										
	Numerical Analysis and Computation	3		68	84		67							
	Pakistan Studies	2						76						74
	Technical English	2										84		
SPRING-2018	Computer Programming	3	57	0	75		88							
	Electronics Devices and Circuits	3	87	95	78									
	Electronics Devices and Circuits Lab	1	67								76			
	Engineering Drawing	2	90		22		72							
	Engineering Statics	3	76	76										
	Ethics	2			78						93			71
	Ordinary Differential Equations and Linear Algebra	3	96	100										
SPRING-2019	Actuating Systems	3	93	96	99									
	Actuating Systems Lab	1		76							86			
	Complex Variables and Transforms	3	82		100									
	Digital Logic Design	3	84	98	50									
	Digital Logic Design Lab	1				72	50				88			
	Instrumentation and Measurement Systems	3	76	87										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170548 **Name:** Ali Hamza Malik

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
	PLO Name		PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		59		76					50			
	Mechanics of Materials	2	61	52										
	Mechanics of Materials Lab	1				87					64			
SPRING-2020	Final Year Project I	1	58	71	50	58		58		58	58	58	58	58
	Fluid Mechanics	2	78	100										
	Fluid Mechanics Lab	1				78					100			
	Mechatronic Systems Design	2			76	83							96	
	Mechatronic Systems Design Lab	2					100				83	97		
	Modeling and Simulation in Mechatronics	3	92	74			69							
	Probability and Random Variables	3	88	91		96								
	Robotics	3	42	72										
	Robotics Lab	1					70				35			
SPRING-2021	Energy and Society	2	88	93										
	Engineering Economics	3	80	81										
	Engineering Management and Entrepreneurship	2								83				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	74	83	83									
	Manufacturing Automation Lab	1		80			84				95			
	Pow er Electronics	3	88	88	95									
	Total PLO Attainment:		7625	7399	4649	1719	2213	516	150	1018	2879	1498	1006	974
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		77	76	75	82	67	65	50	85	78	79	91	81

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170549 **Name:** Saif Ur Rehman

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	64	82	61		72				77			
	Calculus I	3	66	95										
	Electric Circuits Analysis	3	99	74										
	Electric Circuits Analysis Lab	1		93		95					86			
	Islamic Studies	2								95				84
	Technical Report Writing	2										72		
	Workshop Practice	2	84							80	92			
FALL-2018	Data Structures and Object Oriented Programming	3	82	0	50		25				88	67	50	
	Electronic Circuits Design	3	92	72	97									
	Electronic Circuits Design Lab	1				87					68			
	Engineering Dynamics	3	85	80										
	Materials and Manufacturing Processes	3	78		100									
	Multivariable Calculus	3	91	95										
	Solid Modeling and Manufacturing Processes	1			69		98					79		
FALL-2019	Communication Skills	2										50		
	Fundamentals of Thermal Sciences	3	100	94	98									
	Fundamentals of Thermal Sciences Lab	1				86					72	70		
	Microcontroller and Embedded Systems	2	82	90	100									
	Microcontroller and Embedded Systems Lab	2				80	71				70			
	Path Planing for Mobile Robots	3		70	90		95				50			
	Signals and System	2	76	89										
	Theory of Machines	2	82	79										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170549 **Name:** Saif Ur Rehman

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				83					100			
FALL-2020	Control Systems	3	86	93	95									
	Control Systems Lab	1					83				90			
	Design of Machine Elements	2	78	85	100									
	Final Year Project II	2	70	74	74	74		74		74	74	74	74	74
	Mechanical Vibrations	2	96	75										
	Numerical Analysis and Computation	3		76	78		83							
	Pakistan Studies	2						57						60
	Technical English	2										81		
SPRING-2018	Computer Programming	3	75	47	87		94							
	Electronics Devices and Circuits	3	90	69	92									
	Electronics Devices and Circuits Lab	1	90								89			
	Engineering Draw ing	2	79		98		59							
	Engineering Statics	3	88	88										
	Ethics	2			76						79			68
	Ordinary Differential Equations and Linear Algebra	3	86	71										
SPRING-2019	Actuating Systems	3	91	92	90									
	Actuating Systems Lab	1		97							75			
	Complex Variables and Transforms	3	97		50									
	Digital Logic Design	3	86	93	100									
	Digital Logic Design Lab	1				85	90				94			
	Instrumentation and Measurement Systems	3	91	66										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170549 **Name:** Saif Ur Rehman

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		81		88					59			
	Mechanics of Materials	2	96	75										
	Mechanics of Materials Lab	1				77					82			
SPRING-2020	Final Year Project I	1	50	66	66	50		50		50	50	50	50	50
	Fluid Mechanics	2	85	100										
	Fluid Mechanics Lab	1				70					89			
	Mechatronic Systems Design	2			74	96							75	
	Mechatronic Systems Design Lab	2					84				83	75		
	Modeling and Simulation in Mechatronics	3	90	63			54							
	Probability and Random Variables	3	58	63		65								
	Robotics	3	56	68										
	Robotics Lab	1					53				78			
SPRING-2021	Energy and Society	2	89	96										
	Engineering Economics	3	89	98										
	Engineering Management and Entrepreneurship	2								83				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	96	82	100									
	Manufacturing Automation Lab	1		79			75				76			
	Pow er Electronics	3	100	98	93									
	Total PLO Attainment:		8350	7729	5283	1716	2318	462	150	1014	2926	1404	798	922
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		84	79	85	82	70	58	50	85	79	74	73	77

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170551 **Name:** Ch Tanzeel-Ur-Rehman

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	83	58	60		92				93			
	Calculus I	3	89	91										
	Electric Circuits Analysis	3	92	87										
	Electric Circuits Analysis Lab	1		100		86					85			
	Islamic Studies	2								78				78
	Technical Report Writing	2										94		
	Workshop Practice	2	88							96	79			
FALL-2018	Data Structures and Object Oriented Programming	3	93	100	86		58				100	67	50	
	Electronic Circuits Design	3	85	97	92									
	Electronic Circuits Design Lab	1				91					89			
	Engineering Dynamics	3	79	86										
	Materials and Manufacturing Processes	3	83		83									
	Multivariable Calculus	3	87	99										
	Solid Modeling and Manufacturing Processes	1			87		93					79		
FALL-2019	Communication Skills	2										73		
	Fundamentals of Thermal Sciences	3	88	88	91									
	Fundamentals of Thermal Sciences Lab	1				86					60	58		
	Microcontroller and Embedded Systems	2	87	79	65									
	Microcontroller and Embedded Systems Lab	2				74	90				62			
	Path Planing for Mobile Robots	3		78	86		77				100			
	Signals and System	2	82	91										
	Theory of Machines	2	91	100										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170551 **Name:** Ch Tanzeel-Ur-Rehman

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				73					64			
FALL-2020	Control Systems	3	83	94	85									
	Control Systems Lab	1					71				99			
	Design of Machine Elements	2	100	100	50									
	Final Year Project II	2	71	79	79	79		79		79	79	79	79	79
	Mechanical Vibrations	2	97	90										
	Numerical Analysis and Computation	3		89	98		100							
	Pakistan Studies	2						74						72
	Technical English	2										84		
SPRING-2018	Computer Programming	3	100	100	88		75							
	Electronics Devices and Circuits	3	92	100	96									
	Electronics Devices and Circuits Lab	1	81								82			
	Engineering Drawing	2	99		100		74							
	Engineering Statics	3	88	89										
	Ethics	2			83						78			79
	Ordinary Differential Equations and Linear Algebra	3	76	83										
SPRING-2019	Actuating Systems	3	97	100	100									
	Actuating Systems Lab	1		82							50			
	Complex Variables and Transforms	3	89		72									
	Digital Logic Design	3	87	100	78									
	Digital Logic Design Lab	1				86	59				53			
	Instrumentation and Measurement Systems	3	86	76										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170551 **Name:** Ch Tanzeel-Ur-Rehman

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		88		99					91			
	Mechanics of Materials	2	75	94										
	Mechanics of Materials Lab	1				80					50			
SPRING-2020	Final Year Project I	1	85	90	90	85		85		85	85	85	85	85
	Fluid Mechanics	2	81	87										
	Fluid Mechanics Lab	1				87					88			
	Mechatronic Systems Design	2			76	100							94	
	Mechatronic Systems Design Lab	2					73				88	81		
	Modeling and Simulation in Mechatronics	3	81	100			79							
	Probability and Random Variables	3	83	98		90								
	Robotics	3	38	83										
	Robotics Lab	1					91				92			
SPRING-2021	Energy and Society	2	93	100										
	Engineering Economics	3	94	89										
	Engineering Management and Entrepreneurship	2								87				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	89	94	90									
	Manufacturing Automation Lab	1		80			80				89			
	Pow er Electronics	3	93	97	96									
		Total PLO Attainment:	8553	8872	5256	1849	2553	541	150	1065	3121	1545	881	1001
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	86	91	85	88	77	68	50	89	84	81	80	83

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170552 **Name:** Hafiz Muhammad Muhayudin Raza

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	51	34	88		70				76			
	Calculus I	3	90	99										
	Electric Circuits Analysis	3	76	80										
	Electric Circuits Analysis Lab	1		88		80					73			
	Islamic Studies	2								96				97
	Technical Report Writing	2										76		
	Workshop Practice	2	55							83	83			
FALL-2018	Data Structures and Object Oriented Programming	3	88	0	99		58				69	83	50	
	Electronic Circuits Design	3	88	86	95									
	Electronic Circuits Design Lab	1				95					79			
	Engineering Dynamics	3	78	94										
	Materials and Manufacturing Processes	3	63		80									
	Multivariable Calculus	3	96	91										
	Solid Modeling and Manufacturing Processes	1			90		98					57		
FALL-2019	Communication Skills	2										65		
	Fundamentals of Thermal Sciences	3	95	99	100									
	Fundamentals of Thermal Sciences Lab	1				88					84	73		
	Microcontroller and Embedded Systems	2	85	73	64									
	Microcontroller and Embedded Systems Lab	2				59	88				44			
	Path Planing for Mobile Robots	3		86	73		90				100			
	Signals and System	2	100	73										
	Theory of Machines	2	76	94										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170552 **Name:** Hafiz Muhammad Muhayudin Raza

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				73					50			
FALL-2020	Control Systems	3	77	84	98									
	Control Systems Lab	1					81				89			
	Design of Machine Elements	2	81	55	57									
	Final Year Project II	2	72	81	81	81		81		81	81	81	81	81
	Mechanical Vibrations	2	97	80										
	Numerical Analysis and Computation	3		84	92		100							
	Pakistan Studies	2						69						62
	Technical English	2										74		
SPRING-2018	Computer Programming	3	75	100	82		78							
	Electronics Devices and Circuits	3	64	59	91									
	Electronics Devices and Circuits Lab	1	86								87			
	Engineering Draw ing	2	94		60		86							
	Engineering Statics	3	95	82										
	Ethics	2			92						100			95
	Ordinary Differential Equations and Linear Algebra	3	97	92										
SPRING-2019	Actuating Systems	3	90	74	97									
	Actuating Systems Lab	1		64							64			
	Complex Variables and Transforms	3	86		100									
	Digital Logic Design	3	96	100	88									
	Digital Logic Design Lab	1				85	79				88			
	Instrumentation and Measurement Systems	3	68	75										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170552 **Name:** Hafiz Muhammad Muhayudin Raza

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		52		86					82			
	Mechanics of Materials	2	73	81										
	Mechanics of Materials Lab	1				86					71			
SPRING-2020	Final Year Project I	1	89	93	93	89		89		89	89	89	89	89
	Fluid Mechanics	2	88	84										
	Fluid Mechanics Lab	1				72					92			
	Mechatronic Systems Design	2			80	100							91	
	Mechatronic Systems Design Lab	2					32				69	61		
	Modeling and Simulation in Mechatronics	3	92	78			79							
	Probability and Random Variables	3	79	93		84								
	Robotics	3	31	80										
	Robotics Lab	1					86				88			
SPRING-2021	Energy and Society	2	81	95										
	Engineering Economics	3	89	92										
	Engineering Management and Entrepreneurship	2								85				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	86	83	86									
	Manufacturing Automation Lab	1		74			71				75			
	Pow er Electronics	3	93	100	96									
	Total PLO Attainment:		8073	7889	5448	1786	2472	539	150	1079	2976	1482	883	1059
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		82	81	88	85	75	67	50	90	80	78	80	88

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170555 **Name:** Muhammad Abdullah Zahid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	50	44	57		74				76			
	Calculus I	3	67	92										
	Electric Circuits Analysis	3	87	91										
	Electric Circuits Analysis Lab	1		88		83					82			
	Islamic Studies	2								99				84
	Technical Report Writing	2										95		
	Workshop Practice	2	92							59	92			
FALL-2018	Data Structures and Object Oriented Programming	3	77	0	62		33				88	83	100	
	Electronic Circuits Design	3	58	71	91									
	Electronic Circuits Design Lab	1				88					58			
	Engineering Dynamics	3	66	73										
	Materials and Manufacturing Processes	3	62		75									
	Multivariable Calculus	3	73	81										
	Solid Modeling and Manufacturing Processes	1			79		98					79		
FALL-2019	Communication Skills	2										92		
	Fundamentals of Thermal Sciences	3	58	78	68									
	Fundamentals of Thermal Sciences Lab	1				80					80	75		
	Microcontroller and Embedded Systems	2	66	66	59									
	Microcontroller and Embedded Systems Lab	2				59	65				60			
	Path Planing for Mobile Robots	3		63	88		88				100			
	Signals and System	2	49	63										
	Theory of Machines	2	75	63										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170555 **Name:** Muhammad Abdullah Zahid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				80					93			
FALL-2020	Control Systems	3	76	78	60									
	Control Systems Lab	1					76				94			
	Design of Machine Elements	2	33	53	50									
	Final Year Project II	2	71	78	78	78		78		78	78	78	78	78
	Mechanical Vibrations	2	92	74										
	Numerical Analysis and Computation	3		83	97		67							
	Pakistan Studies	2						67						81
	Technical English	2										78		
SPRING-2018	Computer Programming	3	75	37	66		71							
	Electronics Devices and Circuits	3	64	82	74									
	Electronics Devices and Circuits Lab	1	80								93			
	Engineering Drawing	2	89		37		73							
	Engineering Statics	3	78	67										
	Ethics	2			82						75			77
	Ordinary Differential Equations and Linear Algebra	3	53	63										
SPRING-2019	Actuating Systems	3	72	78	96									
	Actuating Systems Lab	1		71							78			
	Complex Variables and Transforms	3	72		83									
	Digital Logic Design	3	52	66	72									
	Digital Logic Design Lab	1				72	93				76			
	Instrumentation and Measurement Systems	3	89	86										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170555 **Name:** Muhammad Abdullah Zahid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		84		100					59			
	Mechanics of Materials	2	55	55										
	Mechanics of Materials Lab	1				95					68			
SPRING-2020	Final Year Project I	1	84	89	89	84		84		84	84	84	84	84
	Fluid Mechanics	2	84	83										
	Fluid Mechanics Lab	1				79					72			
	Mechatronic Systems Design	2			91	92							91	
	Mechatronic Systems Design Lab	2					50				79	70		
	Modeling and Simulation in Mechatronics	3	76	57			83							
	Probability and Random Variables	3	50	95		81								
	Robotics	3	63	77										
	Robotics Lab	1					73				82			
SPRING-2021	Energy and Society	2	91	98										
	Engineering Economics	3	86	75										
	Engineering Management and Entrepreneurship	2								82				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	87	87	77									
	Manufacturing Automation Lab	1		77			75				75			
	Pow er Electronics	3	90	94	96									
		Total PLO Attainment:	7064	7086	4728	1762	2263	524	150	1020	3030	1613	1022	1024
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	71	72	76	84	69	66	50	85	82	85	93	85

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170560 **Name:** Mubeen Sheikh

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	52	80	47		86				91			
	Calculus I	3	87	81										
	Electric Circuits Analysis	3	85	59										
	Electric Circuits Analysis Lab	1		89		100					95			
	Islamic Studies	2								59				74
	Technical Report Writing	2										80		
	Workshop Practice	2	89							97	88			
FALL-2018	Data Structures and Object Oriented Programming	3	85	0	78		100				88	83	50	
	Electronic Circuits Design	3	26	76	50									
	Electronic Circuits Design Lab	1				57					100			
	Engineering Dynamics	3	50	55										
	Materials and Manufacturing Processes	3	60		73									
	Multivariable Calculus	3	59	69										
	Solid Modeling and Manufacturing Processes	1			90		79					43		
FALL-2019	Communication Skills	2										49		
	Fundamentals of Thermal Sciences	3	39	46	80									
	Fundamentals of Thermal Sciences Lab	1				79					81	77		
	Microcontroller and Embedded Systems	2	73	46	65									
	Microcontroller and Embedded Systems Lab	2				80	65				51			
	Path Planing for Mobile Robots	3		64	61		65				100			
	Signals and System	2	50	40										
	Theory of Machines	2	58	50										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170560 **Name:** Mubeen Sheikh

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				50					79			
FALL-2020	Control Systems	3	57	66	66									
	Control Systems Lab	1					74				77			
	Design of Machine Elements	2	51	67	7									
	Final Year Project II	2	73	82	82	82		82		82	82	82	82	82
	Mechanical Vibrations	2	83	43										
	Numerical Analysis and Computation	3		73	96		100							
	Pakistan Studies	2						69						57
	Technical English	2										76		
SPRING-2018	Computer Programming	3	79	100	94		75							
	Electronics Devices and Circuits	3	58	70	56									
	Electronics Devices and Circuits Lab	1	99								79			
	Engineering Drawing	2	100		73		77							
	Engineering Statics	3	76	56										
	Ethics	2			50						83			68
	Ordinary Differential Equations and Linear Algebra	3	58	60										
SPRING-2019	Actuating Systems	3	50	72	70									
	Actuating Systems Lab	1		83							69			
	Complex Variables and Transforms	3	55		11									
	Digital Logic Design	3	67	91	91									
	Digital Logic Design Lab	1				92	91				78			
	Instrumentation and Measurement Systems	3	70	78										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170560 **Name:** Mubeen Sheikh

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		91		66					91			
	Mechanics of Materials	2	82	54										
	Mechanics of Materials Lab	1				61					57			
SPRING-2020	Final Year Project I	1	85	90	90	85		85		85	85	85	85	85
	Fluid Mechanics	2	49	59										
	Fluid Mechanics Lab	1				62					68			
	Mechatronic Systems Design	2			50	92							76	
	Mechatronic Systems Design Lab	2					88				67	86		
	Modeling and Simulation in Mechatronics	3	47	43			23							
	Probability and Random Variables	3	100	55		60								
	Robotics	3	52	69										
	Robotics Lab	1					68				70			
SPRING-2021	Energy and Society	2	74	81										
	Engineering Economics	3	70	83										
	Engineering Management and Entrepreneurship	2								92				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	90	88	41									
	Manufacturing Automation Lab	1		84			84				88			
	Pow er Electronics	3	77	72	81									
	Total PLO Attainment:		6657	6591	4125	1640	2439	537	150	1045	3087	1500	851	947
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		67	67	67	78	74	67	50	87	83	79	77	79

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170563 **Name:** Muhammad Mubassar Khan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	74	69	51		40				65			
	Calculus I	3	78	67										
	Electric Circuits Analysis	3	71	87										
	Electric Circuits Analysis Lab	1		83		95					62			
	Islamic Studies	2								65				80
	Technical Report Writing	2										73		
	Workshop Practice	2	87							99	88			
FALL-2018	Data Structures and Object Oriented Programming	3	70	100	72		0				81	67	50	
	Electronic Circuits Design	3	70	82	78									
	Electronic Circuits Design Lab	1				87					61			
	Engineering Dynamics	3	57	57										
	Materials and Manufacturing Processes	3	74		73									
	Multivariable Calculus	3	67	65										
	Solid Modeling and Manufacturing Processes	1			71		73					57		
FALL-2019	Communication Skills	2										53		
	Fundamentals of Thermal Sciences	3	80	50	71									
	Fundamentals of Thermal Sciences Lab	1				83					88	88		
	Microcontroller and Embedded Systems	2	55	30	48									
	Microcontroller and Embedded Systems Lab	2				59	43				27			
	Path Planing for Mobile Robots	3		65	60		78				50			
	Signals and System	2	53	64										
	Theory of Machines	2	73	74										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170563 **Name:** Muhammad Mubassar Khan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				93					71			
FALL-2020	Control Systems	3	81	59	76									
	Control Systems Lab	1					57				87			
	Final Year Project II	2	70	74	74	74		74		74	74	74	74	74
	Mechanical Vibrations	2	92	57										
	Numerical Analysis and Computation	3		65	68		83							
	Pakistan Studies	2						98						79
	Technical English	2										65		
FALL-2021	Design of Machine Elements	2	73	80	78									
SPRING-2018	Computer Programming	3	82	100	67		75							
	Electronics Devices and Circuits	3	90	82	85									
	Electronics Devices and Circuits Lab	1	77								67			
	Engineering Draw ing	2	75		50		62							
	Engineering Statics	3	71	66										
	Ethics	2			93						85			61
	Ordinary Differential Equations and Linear Algebra	3	58	70										
SPRING-2019	Actuating Systems	3	71	78	89									
	Actuating Systems Lab	1		83							53			
	Complex Variables and Transforms	3	61		44									
	Digital Logic Design	3	81	74	39									
	Digital Logic Design Lab	1				51	60				60			
	Instrumentation and Measurement Systems	3	61	70										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170563 **Name:** Muhammad Mubassar Khan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		69		62					73			
	Mechanics of Materials	2	29	35										
	Mechanics of Materials Lab	1				71					61			
SPRING-2020	Final Year Project I	1	91	94	94	91		91		91	91	91	91	91
	Fluid Mechanics	2	69	99										
	Fluid Mechanics Lab	1				65					84			
	Mechatronic Systems Design	2			72	85							62	
	Mechatronic Systems Design Lab	2					62				61	77		
	Modeling and Simulation in Mechatronics	3	69	70			62							
	Probability and Random Variables	3	71	80		81								
	Robotics	3	67	64										
	Robotics Lab	1					62				80			
SPRING-2021	Energy and Society	2	71	71										
	Engineering Economics	3	96	64										
	Engineering Management and Entrepreneurship	2								90				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	64	82	67									
	Manufacturing Automation Lab	1		64			52				66			
	Mechanics of Materials	2	35	69										
	Power Electronics	3	76	87	91									
		Total PLO Attainment:	7262	7245	4372	1677	1842	585	150	1047	2627	1421	813	979
		Total Credit Hourse:	101	100	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	72	72	71	80	56	73	50	87	71	75	74	82

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170564 **Name:** Mubashir Shah

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	86	84	92		100				89			
	Calculus I	3	100	95										
	Electric Circuits Analysis	3	84	100										
	Electric Circuits Analysis Lab	1		93		99					73			
	Islamic Studies	2								98				81
	Technical Report Writing	2										97		
	Workshop Practice	2	93							72	58			
FALL-2018	Data Structures and Object Oriented Programming	3	88	100	84		50				100	67	100	
	Electronic Circuits Design	3	98	100	99									
	Electronic Circuits Design Lab	1				97					76			
	Engineering Dynamics	3	82	84										
	Materials and Manufacturing Processes	3	75		76									
	Multivariable Calculus	3	100	89										
	Solid Modeling and Manufacturing Processes	1			87		100					64		
FALL-2019	Communication Skills	2										71		
	Fundamentals of Thermal Sciences	3	85	79	78									
	Fundamentals of Thermal Sciences Lab	1				77					100	100		
	Microcontroller and Embedded Systems	2	85	61	46									
	Microcontroller and Embedded Systems Lab	2				89	82				100			
	Path Planing for Mobile Robots	3		87	57		57				50			
	Signals and System	2	65	90										
	Theory of Machines	2	74	86										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170564 **Name:** Mubashir Shah

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				67					79			
FALL-2020	Control Systems	3	86	86	94									
	Control Systems Lab	1					100				100			
	Design of Machine Elements	2	55	97	57									
	Final Year Project II	2	68	70	70	70		70		70	70	70	70	70
	Mechanical Vibrations	2	89	87										
	Numerical Analysis and Computation	3		88	95		100							
	Pakistan Studies	2						64						72
	Technical English	2										82		
SPRING-2018	Computer Programming	3	88	97	76		88							
	Electronics Devices and Circuits	3	98	93	100									
	Electronics Devices and Circuits Lab	1	100								93			
	Engineering Draw ing	2	95		46		100							
	Engineering Statics	3	78	100										
	Ethics	2			79						71			77
	Ordinary Differential Equations and Linear Algebra	3	81	83										
SPRING-2019	Actuating Systems	3	96	97	84									
	Actuating Systems Lab	1		94							75			
	Complex Variables and Transforms	3	90		56									
	Digital Logic Design	3	100	89	84									
	Digital Logic Design Lab	1				92	80				86			
	Instrumentation and Measurement Systems	3	96	76										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170564 **Name:** Mubashir Shah

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		77		99					91			
	Mechanics of Materials	2	85	54										
	Mechanics of Materials Lab	1				82					75			
SPRING-2020	Final Year Project I	1	76	84	84	76		76		76	76	76	76	76
	Fluid Mechanics	2	100	100										
	Fluid Mechanics Lab	1				92					99			
	Mechatronic Systems Design	2			98	90							91	
	Mechatronic Systems Design Lab	2					90				90	91		
	Modeling and Simulation in Mechatronics	3	89	80			65							
	Probability and Random Variables	3	83	80		68								
	Robotics	3	31	88										
	Robotics Lab	1					83				93			
SPRING-2021	Energy and Society	2	83	92										
	Engineering Economics	3	77	86										
	Engineering Management and Entrepreneurship	2								82				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	91	73	84									
	Manufacturing Automation Lab	1		100			98				87			
	Pow er Electronics	3	98	93	100									
		Total PLO Attainment:	8495	8614	5048	1783	2635	494	150	1020	3087	1563	998	976
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	86	88	81	85	80	62	50	85	83	82	91	81

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170567 **Name:** Hassaan Ali Qureshi

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	70	73	78		41				92			
	Calculus I	3	77	71										
	Electric Circuits Analysis	3	72	89										
	Electric Circuits Analysis Lab	1		84		85					73			
	Islamic Studies	2								82				73
	Technical Report Writing	2										81		
	Workshop Practice	2	75							50	67			
FALL-2018	Data Structures and Object Oriented Programming	3	83	100	84		100				88	67	100	
	Electronic Circuits Design	3	60	78	88									
	Electronic Circuits Design Lab	1				93					55			
	Engineering Dynamics	3	61	80										
	Materials and Manufacturing Processes	3	58		76									
	Multivariable Calculus	3	83	83										
	Solid Modeling and Manufacturing Processes	1			75		82					71		
FALL-2019	Communication Skills	2										74		
	Fundamentals of Thermal Sciences	3	82	77	80									
	Fundamentals of Thermal Sciences Lab	1				100					83	80		
	Microcontroller and Embedded Systems	2	61	50	84									
	Microcontroller and Embedded Systems Lab	2				88	47				74			
	Path Planing for Mobile Robots	3		92	89		94				100			
	Signals and System	2	82	100										
	Theory of Machines	2	60	80										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170567 **Name:** Hassaan Ali Qureshi

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				90					64			
FALL-2020	Control Systems	3	100	92	97									
	Control Systems Lab	1					95				80			
	Design of Machine Elements	2	70	93	86									
	Final Year Project II	2	70	74	74	74		74		74	74	74	74	74
	Mechanical Vibrations	2	92	69										
	Numerical Analysis and Computation	3		91	89		67							
	Pakistan Studies	2						64						67
	Technical English	2										74		
SPRING-2018	Computer Programming	3	88	37	90		78							
	Electronics Devices and Circuits	3	76	78	91									
	Electronics Devices and Circuits Lab	1	96								91			
	Engineering Draw ing	2	86		70		65							
	Engineering Statics	3	97	75										
	Ethics	2			89						83			82
	Ordinary Differential Equations and Linear Algebra	3	81	79										
SPRING-2019	Actuating Systems	3	88	81	70									
	Actuating Systems Lab	1		90							100			
	Complex Variables and Transforms	3	92		72									
	Digital Logic Design	3	76	74	66									
	Digital Logic Design Lab	1				92	83				53			
	Instrumentation and Measurement Systems	3	74	62										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170567 **Name:** Hassaan Ali Qureshi

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		77		58					73			
	Mechanics of Materials	2	67	50										
	Mechanics of Materials Lab	1				65					79			
SPRING-2020	Final Year Project I	1	84	89	89	84		84		84	84	84	84	84
	Fluid Mechanics	2	94	90										
	Fluid Mechanics Lab	1				95					83			
	Mechatronic Systems Design	2			76	83							100	
	Mechatronic Systems Design Lab	2					93				76	82		
	Modeling and Simulation in Mechatronics	3	83	70			72							
	Probability and Random Variables	3	92	98		100								
	Robotics	3	73	82										
	Robotics Lab	1					80				89			
SPRING-2021	Energy and Society	2	60	81										
	Engineering Economics	3	84	89										
	Engineering Management and Entrepreneurship	2								89				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	90	91	89									
	Manufacturing Automation Lab	1		85			78				87			
	Pow er Electronics	3	83	87	97									
	Total PLO Attainment:		7863	7868	5179	1852	2375	510	150	974	3074	1506	1032	976
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		79	80	84	88	72	64	50	81	83	79	94	81

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170570 **Name:** Naima Siddiqui

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	69	52	60		58				82			
	Calculus I	3	99	100										
	Electric Circuits Analysis	3	99	90										
	Electric Circuits Analysis Lab	1		84		99					72			
	Islamic Studies	2								93				86
	Technical Report Writing	2										77		
	Workshop Practice	2	78							61	92			
FALL-2018	Data Structures and Object Oriented Programming	3	77	90	71		25				63	67	50	
	Electronic Circuits Design	3	75	71	84									
	Electronic Circuits Design Lab	1				86					58			
	Engineering Dynamics	3	72	66										
	Materials and Manufacturing Processes	3	71		81									
	Multivariable Calculus	3	74	82										
	Solid Modeling and Manufacturing Processes	1			63		91					71		
FALL-2019	Communication Skills	2										82		
	Fundamentals of Thermal Sciences	3	65	59	79									
	Fundamentals of Thermal Sciences Lab	1				73					66	60		
	Microcontroller and Embedded Systems	2	69	53	54									
	Microcontroller and Embedded Systems Lab	2				53	44				22			
	Path Planing for Mobile Robots	3		76	59		66				50			
	Signals and System	2	65	76										
	Theory of Machines	2	78	85										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170570 **Name:** Naima Siddiqui

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				87					79			
FALL-2020	Control Systems	3	69	73	73									
	Control Systems Lab	1					71				78			
	Design of Machine Elements	2	50	53	36									
	Final Year Project II	2	68	68	68	68		68		68	68	68	68	68
	Mechanical Vibrations	2	91	69										
	Numerical Analysis and Computation	3		89	87		83							
	Pakistan Studies	2						64						74
	Technical English	2										75		
SPRING-2018	Computer Programming	3	75	42	78		94							
	Electronics Devices and Circuits	3	68	60	74									
	Electronics Devices and Circuits Lab	1	54								50			
	Engineering Draw ing	2	95		67		78							
	Engineering Statics	3	67	76										
	Ethics	2			89						83			82
	Ordinary Differential Equations and Linear Algebra	3	74	67										
SPRING-2019	Actuating Systems	3	84	65	74									
	Actuating Systems Lab	1		96							64			
	Complex Variables and Transforms	3	68		89									
	Digital Logic Design	3	77	98	65									
	Digital Logic Design Lab	1				65	81				63			
	Instrumentation and Measurement Systems	3	82	79										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170570 **Name:** Naima Siddiqui

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
	PLO Name		PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		79		82					77			
	Mechanics of Materials	2	91	55										
	Mechanics of Materials Lab	1				65					61			
SPRING-2020	Final Year Project I	1	84	89	89	84		84		84	84	84	84	84
	Fluid Mechanics	2	86	90										
	Fluid Mechanics Lab	1				73					90			
	Mechatronic Systems Design	2			76	83							79	
	Mechatronic Systems Design Lab	2					62				50	67		
	Modeling and Simulation in Mechatronics	3	83	61			62							
	Probability and Random Variables	3	63	80		85								
	Robotics	3	6	71										
	Robotics Lab	1					84				93			
SPRING-2021	Energy and Society	2	74	82										
	Engineering Economics	3	83	85										
	Engineering Management and Entrepreneurship	2								84				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	64	79	76									
	Manufacturing Automation Lab	1		79			80				89			
	Pow er Electronics	3	78	69	81									
	Total PLO Attainment:		7359	7302	4609	1677	2147	498	150	996	2621	1454	828	1004
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		74	75	74	80	65	62	50	83	71	77	75	84

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170572 **Name:** Hussam Abdullah

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	100	88	100		92				90			
	Calculus I	3	100	77										
	Electric Circuits Analysis	3	100	83										
	Electric Circuits Analysis Lab	1		78		94					71			
	Islamic Studies	2								81				87
	Technical Report Writing	2										100		
	Workshop Practice	2	86							95	79			
FALL-2018	Data Structures and Object Oriented Programming	3	90	100	100		100				88	67	50	
	Electronic Circuits Design	3	100	88	93									
	Electronic Circuits Design Lab	1				100					84			
	Engineering Dynamics	3	77	80										
	Materials and Manufacturing Processes	3	83		80									
	Multivariable Calculus	3	86	96										
	Solid Modeling and Manufacturing Processes	1			87		86					71		
FALL-2019	Communication Skills	2										69		
	Fundamentals of Thermal Sciences	3	88	95	84									
	Fundamentals of Thermal Sciences Lab	1				88					71	60		
	Microcontroller and Embedded Systems	2	97	91	71									
	Microcontroller and Embedded Systems Lab	2				98	97				62			
	Path Planing for Mobile Robots	3		88	81		57				50			
	Signals and System	2	78	98										
	Theory of Machines	2	77	88										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170572 **Name:** Hussam Abdullah

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				80					64			
FALL-2020	Control Systems	3	81	97	89									
	Control Systems Lab	1					71				98			
	Design of Machine Elements	2	91	97	43									
	Final Year Project II	2	71	79	79	79		79		79	79	79	79	79
	Mechanical Vibrations	2	100	100										
	Numerical Analysis and Computation	3		100	100		83							
	Pakistan Studies	2						62						50
	Technical English	2										70		
SPRING-2018	Computer Programming	3	90	100	98		88							
	Electronics Devices and Circuits	3	98	97	96									
	Electronics Devices and Circuits Lab	1	100								100			
	Engineering Drawing	2	98		75		72							
	Engineering Statics	3	100	97										
	Ethics	2			83						88			86
	Ordinary Differential Equations and Linear Algebra	3	85	92										
SPRING-2019	Actuating Systems	3	94	88	97									
	Actuating Systems Lab	1		86							61			
	Complex Variables and Transforms	3	95		100									
	Digital Logic Design	3	96	98	100									
	Digital Logic Design Lab	1				86	76				86			
	Instrumentation and Measurement Systems	3	100	81										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170572 **Name:** Hussam Abdullah

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		73		85					95			
	Mechanics of Materials	2	100	100										
	Mechanics of Materials Lab	1				99					57			
SPRING-2020	Final Year Project I	1	85	90	90	85		85		85	85	85	85	85
	Fluid Mechanics	2	80	97										
	Fluid Mechanics Lab	1				92					76			
	Mechatronic Systems Design	2			91	83							97	
	Mechatronic Systems Design Lab	2					78				87	78		
	Modeling and Simulation in Mechatronics	3	92	76			100							
	Probability and Random Variables	3	83	77		97								
	Robotics	3	50	78										
	Robotics Lab	1					100				95			
SPRING-2021	Energy and Society	2	92	90										
	Engineering Economics	3	89	90										
	Engineering Management and Entrepreneurship	2								78				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	89	90	100									
	Manufacturing Automation Lab	1		82			94				94			
	Pow er Electronics	3	78	97	96									
		Total PLO Attainment:	8868	8846	5603	1920	2723	517	150	1051	3001	1509	887	989
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	90	90	90	91	83	65	50	88	81	79	81	82

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170573 **Name:** Saad

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	58	69	87		94				76			
	Calculus I	3	93	96										
	Electric Circuits Analysis	3	91	76										
	Electric Circuits Analysis Lab	1		94		95					84			
	Islamic Studies	2								88				89
	Technical Report Writing	2										85		
	Workshop Practice	2	76							80	92			
FALL-2018	Data Structures and Object Oriented Programming	3	71	0	72		83				50	83	50	
	Electronic Circuits Design	3	80	72	95									
	Electronic Circuits Design Lab	1				77					79			
	Engineering Dynamics	3	70	78										
	Materials and Manufacturing Processes	3	79		76									
	Multivariable Calculus	3	80	99										
	Solid Modeling and Manufacturing Processes	1			63		75					36		
FALL-2019	Communication Skills	2										92		
	Fundamentals of Thermal Sciences	3	83	98	87									
	Fundamentals of Thermal Sciences Lab	1				91					75	67		
	Microcontroller and Embedded Systems	2	82	59	54									
	Microcontroller and Embedded Systems Lab	2				64	45				44			
	Path Planing for Mobile Robots	3		81	55		76				100			
	Signals and System	2	92	82										
	Theory of Machines	2	80	83										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170573 **Name:** Saad

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				67					50			
FALL-2020	Control Systems	3	88	89	92									
	Control Systems Lab	1					81				90			
	Design of Machine Elements	2	75	31	86									
	Final Year Project II	2	92	83	83	83		83		83	83	83	83	83
	Mechanical Vibrations	2	92	90										
	Numerical Analysis and Computation	3		74	79		67							
	Pakistan Studies	2						74						59
	Technical English	2										77		
SPRING-2018	Computer Programming	3	75	47	71		56							
	Electronics Devices and Circuits	3	78	83	81									
	Electronics Devices and Circuits Lab	1	50								71			
	Engineering Drawing	2	86		29		75							
	Engineering Statics	3	85	76										
	Ethics	2			82						71			64
	Ordinary Differential Equations and Linear Algebra	3	79	71										
SPRING-2019	Actuating Systems	3	85	67	86									
	Actuating Systems Lab	1		78							64			
	Complex Variables and Transforms	3	73		94									
	Digital Logic Design	3	74	98	50									
	Digital Logic Design Lab	1				75	81				73			
	Instrumentation and Measurement Systems	3	56	72										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170573 **Name:** Saad

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		95		67					73			
	Mechanics of Materials	2	79	72										
	Mechanics of Materials Lab	1				73					66			
SPRING-2020	Final Year Project I	1	89	93	93	89		89		89	89	89	89	89
	Fluid Mechanics	2	78	94										
	Fluid Mechanics Lab	1				72					95			
	Mechatronic Systems Design	2			74	92							90	
	Mechatronic Systems Design Lab	2					32				77	49		
	Modeling and Simulation in Mechatronics	3	66	69			81							
	Probability and Random Variables	3	92	82		88								
	Robotics	3	60	64										
	Robotics Lab	1					81				68			
SPRING-2021	Energy and Society	2	89	80										
	Engineering Economics	3	89	90										
	Engineering Management and Entrepreneurship	2								81				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	91	86	80									
	Manufacturing Automation Lab	1		78			68				74			
	Pow er Electronics	3	93	93	80									
		Total PLO Attainment:	7915	7559	4834	1748	2305	553	150	1053	2839	1513	885	979
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	80	77	78	83	70	69	50	88	77	80	80	82

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170575 **Name:** Muhammad Faizan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	86	69	39		42				50			
	Calculus I	3	70	62										
	Electric Circuits Analysis	3	76	84										
	Electric Circuits Analysis Lab	1		51		83					58			
	Islamic Studies	2								76				83
	Technical Report Writing	2										60		
	Workshop Practice	2	75							100	92			
FALL-2018	Data Structures and Object Oriented Programming	3	67	100	62		0				56	67	50	
	Electronic Circuits Design	3	88	68	78									
	Electronic Circuits Design Lab	1				75					95			
	Engineering Dynamics	3	74	54										
	Materials and Manufacturing Processes	3	61		67									
	Multivariable Calculus	3	50	64										
	Solid Modeling and Manufacturing Processes	1			98		86					93		
FALL-2019	Communication Skills	2										67		
	Fundamentals of Thermal Sciences	3	59	59	23									
	Fundamentals of Thermal Sciences Lab	1				69					79	82		
	Microcontroller and Embedded Systems	2	58	37	52									
	Microcontroller and Embedded Systems Lab	2				54	61				51			
	Path Planing for Mobile Robots	3		63	50		79				50			
	Signals and System	2	65	36										
	Theory of Machines	2	44	61										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170575 **Name:** Muhammad Faizan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				67					79			
FALL-2020	Control Systems	3	67	46	52									
	Control Systems Lab	1					72				76			
	Design of Machine Elements	2	57	23	0									
	Final Year Project II	2	70	74	74	74		74		74	74	74	74	74
	Mechanical Vibrations	2	86	46										
	Numerical Analysis and Computation	3		50	60		83							
	Pakistan Studies	2						86						62
	Technical English	2										57		
SPRING-2018	Computer Programming	3	71	0	64		63							
	Electronics Devices and Circuits	3	70	75	74									
	Electronics Devices and Circuits Lab	1	77								80			
	Engineering Draw ing	2	68		55		67							
	Engineering Statics	3	64	55										
	Ethics	2			80						83			79
	Ordinary Differential Equations and Linear Algebra	3	41	67										
SPRING-2019	Actuating Systems	3	68	50	61									
	Actuating Systems Lab	1		93							69			
	Complex Variables and Transforms	3	52		0									
	Digital Logic Design	3	53	24	88									
	Digital Logic Design Lab	1				96	81				86			
	Instrumentation and Measurement Systems	3	47	45										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170575 **Name:** Muhammad Faizan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		91		60					68			
	Mechanics of Materials	2	31	36										
	Mechanics of Materials Lab	1				48					54			
SPRING-2020	Final Year Project I	1	81	87	87	81		81		81	81	81	81	81
	Fluid Mechanics	2	75	80										
	Fluid Mechanics Lab	1				57					70			
	Mechatronic Systems Design	2			76	88							85	
	Mechatronic Systems Design Lab	2					88				68	72		
	Modeling and Simulation in Mechatronics	3	82	52			60							
	Probability and Random Variables	3	100	73		76								
	Robotics	3	44	68										
	Robotics Lab	1					85				92			
SPRING-2021	Energy and Society	2	61	64										
	Engineering Economics	3	50	65										
	Engineering Management and Entrepreneurship	2								81				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	50	67	33									
	Manufacturing Automation Lab	1		80			80				80			
	Pow er Electronics	3	61	50	64									
		Total PLO Attainment:	6527	5848	3610	1596	2009	551	150	1043	2621	1417	849	977
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	66	60	58	76	61	69	50	87	71	75	77	81

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170579 **Name:** Muhammad Toseef Haider

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	56	79	81		90				89			
	Calculus I	3	67	95										
	Electric Circuits Analysis	3	76	83										
	Electric Circuits Analysis Lab	1		94		70					86			
	Islamic Studies	2								99				91
	Technical Report Writing	2										74		
	Workshop Practice	2	80							70	58			
FALL-2018	Data Structures and Object Oriented Programming	3	93	100	86		58				75	67	100	
	Electronic Circuits Design	3	88	91	100									
	Electronic Circuits Design Lab	1				95					63			
	Engineering Dynamics	3	100	98										
	Materials and Manufacturing Processes	3	83		87									
	Multivariable Calculus	3	87	99										
	Solid Modeling and Manufacturing Processes	1			90		96					71		
FALL-2019	Communication Skills	2										43		
	Fundamentals of Thermal Sciences	3	76	92	91									
	Fundamentals of Thermal Sciences Lab	1				74					61	60		
	Microcontroller and Embedded Systems	2	81	64	57									
	Microcontroller and Embedded Systems Lab	2				63	64				47			
	Path Planing for Mobile Robots	3		77	74		55				50			
	Signals and System	2	96	64										
	Theory of Machines	2	67	94										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170579 **Name:** Muhammad Toseef Haider

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				80					64			
FALL-2020	Control Systems	3	79	100	97									
	Control Systems Lab	1					81				87			
	Design of Machine Elements	2	54	75	36									
	Final Year Project II	2	65	70	70	70		70		70	70	70	70	70
	Mechanical Vibrations	2	96	74										
	Numerical Analysis and Computation	3		74	95		83							
	Pakistan Studies	2						52						57
	Technical English	2										60		
SPRING-2018	Computer Programming	3	88	63	90		81							
	Electronics Devices and Circuits	3	98	100	93									
	Electronics Devices and Circuits Lab	1	75								87			
	Engineering Draw ing	2	81		98		75							
	Engineering Statics	3	96	84										
	Ethics	2			89						83			77
	Ordinary Differential Equations and Linear Algebra	3	94	88										
SPRING-2019	Actuating Systems	3	100	85	99									
	Actuating Systems Lab	1		85							69			
	Complex Variables and Transforms	3	98		100									
	Digital Logic Design	3	98	100	85									
	Digital Logic Design Lab	1				91	61				63			
	Instrumentation and Measurement Systems	3	83	82										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170579 **Name:** Muhammad Toseef Haider

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		59		72					73			
	Mechanics of Materials	2	92	85										
	Mechanics of Materials Lab	1				83					61			
SPRING-2020	Final Year Project I	1	94	96	96	94		94		94	94	94	94	94
	Fluid Mechanics	2	85	99										
	Fluid Mechanics Lab	1				90					94			
	Mechatronic Systems Design	2			87	98							90	
	Mechatronic Systems Design Lab	2					60				66	50		
	Modeling and Simulation in Mechatronics	3	66	74			69							
	Probability and Random Variables	3	71	80		88								
	Robotics	3	38	64										
	Robotics Lab	1					84				79			
SPRING-2021	Energy and Society	2	59	80										
	Engineering Economics	3	96	90										
	Engineering Management and Entrepreneurship	2								90				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	87	73	95									
	Manufacturing Automation Lab	1		74			74				78			
	Pow er Electronics	3	87	79	95									
	Total PLO Attainment:		8165	8274	5450	1775	2342	488	150	1052	2738	1320	1014	984
	Total Credit Hourse:		99	98	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		82	84	88	85	71	61	50	88	74	69	92	82

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170582 **Name:** Muhammad Hadi Zaman

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	80	39	73		80				87			
	Calculus I	3	74	78										
	Electric Circuits Analysis	3	60	82										
	Electric Circuits Analysis Lab	1		87		85					82			
	Islamic Studies	2								50				67
	Technical Report Writing	2										73		
	Workshop Practice	2	70							96	75			
FALL-2018	Data Structures and Object Oriented Programming	3	90	100	91		0				75	83	100	
	Electronic Circuits Design	3	96	95	84									
	Electronic Circuits Design Lab	1				87					84			
	Engineering Dynamics	3	50	70										
	Materials and Manufacturing Processes	3	82		50									
	Multivariable Calculus	3	69	70										
	Solid Modeling and Manufacturing Processes	1			62		89					57		
FALL-2019	Communication Skills	2										95		
	Fundamentals of Thermal Sciences	3	92	86	89									
	Fundamentals of Thermal Sciences Lab	1				91					50	42		
	Microcontroller and Embedded Systems	2	60	54	57									
	Microcontroller and Embedded Systems Lab	2				73	63				50			
	Path Planing for Mobile Robots	3		64	64		84				50			
	Signals and System	2	53	66										
	Theory of Machines	2	74	88										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170582 **Name:** Muhammad Hadi Zaman

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				60					93			
FALL-2020	Design of Machine Elements	2	41	80	43									
	Final Year Project II	2	75	88	88	88		88		88	88	88	88	88
	Mechanical Vibrations	2	50	76										
	Numerical Analysis and Computation	3		51	68		100							
	Pakistan Studies	2						79						78
	Technical English	2										91		
FALL-2021	Control Systems	3	96	94	79									
	Control Systems Lab	1					92				63			
SPRING-2018	Computer Programming	3	50	95	96		100							
	Electronics Devices and Circuits	3	70	73	66									
	Electronics Devices and Circuits Lab	1	59								73			
	Engineering Draw ing	2	88		55		62							
	Engineering Statics	3	60	9										
	Ethics	2			50						75			50
	Ordinary Differential Equations and Linear Algebra	3	53	54										
SPRING-2019	Actuating Systems	3	69	71	89									
	Actuating Systems Lab	1		83							75			
	Complex Variables and Transforms	3	80		50									
	Digital Logic Design	3	69	77	84									
	Digital Logic Design Lab	1				72	94				94			
	Instrumentation and Measurement Systems	3	57	73										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170582 **Name:** Muhammad Hadi Zaman

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		100		63					59			
	Mechanics of Materials	2	69	75										
	Mechanics of Materials Lab	1				80					79			
SPRING-2020	Final Year Project I	1	87	91	91	87		87		87	87	87	87	87
	Fluid Mechanics	2	78	50										
	Fluid Mechanics Lab	1				78					72			
	Mechatronic Systems Design	2			37	56							46	
	Mechatronic Systems Design Lab	2					85				100	93		
	Modeling and Simulation in Mechatronics	3	49	24			21							
	Probability and Random Variables	3	71	64		50								
	Robotics	3	77	67										
	Robotics Lab	1					57				75			
SPRING-2021	Energy and Society	2	82	76										
	Engineering Economics	3	73	77										
	Engineering Management and Entrepreneurship	2								77				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	53	86	75									
	Manufacturing Automation Lab	1		74			75				77			
	Modeling and Simulation in Mechatronics	3	20	68			41							
	Pow er Electronics	3	73	78	92									
		Total PLO Attainment:	7092	7229	4561	1587	2335	571	150	1009	2862	1615	955	953
		Total Credit Hourse:	102	101	62	21	36	8	3	12	37	19	11	12
		CPLO Attainment:	70	72	74	76	65	71	50	84	77	85	87	79

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170585 **Name:** Fahad Tanveer Ahmed

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	43	61	84		96				79			
	Calculus I	3	88	84										
	Electric Circuits Analysis	3	64	81										
	Electric Circuits Analysis Lab	1		93		60					100			
	Islamic Studies	2								91				100
	Technical Report Writing	2										94		
	Workshop Practice	2	95							87	67			
FALL-2018	Data Structures and Object Oriented Programming	3	83	100	95		50				81	100	100	
	Electronic Circuits Design	3	85	83	94									
	Electronic Circuits Design Lab	1				91					55			
	Engineering Dynamics	3	71	91										
	Materials and Manufacturing Processes	3	73		89									
	Multivariable Calculus	3	86	96										
	Solid Modeling and Manufacturing Processes	1			87		95					86		
FALL-2019	Communication Skills	2										91		
	Fundamentals of Thermal Sciences	3	85	77	93									
	Fundamentals of Thermal Sciences Lab	1				91					73	72		
	Microcontroller and Embedded Systems	2	77	74	82									
	Microcontroller and Embedded Systems Lab	2				100	100				74			
	Path Planing for Mobile Robots	3		87	86		92				50			
	Signals and System	2	57	96										
	Theory of Machines	2	80	78										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170585 **Name:** Fahad Tanveer Ahmed

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				90					64			
FALL-2020	Control Systems	3	87	87	92									
	Control Systems Lab	1					98				81			
	Design of Machine Elements	2	74	93	64									
	Final Year Project II	2	70	74	74	74		74		74	74	74	74	74
	Mechanical Vibrations	2	90	92										
	Numerical Analysis and Computation	3		73	86		83							
	Pakistan Studies	2						95						72
	Technical English	2										76		
SPRING-2018	Computer Programming	3	75	89	80		97							
	Electronics Devices and Circuits	3	80	69	86									
	Electronics Devices and Circuits Lab	1	86								94			
	Engineering Draw ing	2	100		97		67							
	Engineering Statics	3	84	89										
	Ethics	2			97						96			64
	Ordinary Differential Equations and Linear Algebra	3	67	71										
SPRING-2019	Actuating Systems	3	87	74	73									
	Actuating Systems Lab	1		100							100			
	Complex Variables and Transforms	3	77		67									
	Digital Logic Design	3	81	85	66									
	Digital Logic Design Lab	1				100	69				63			
	Instrumentation and Measurement Systems	3	97	70										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170585 **Name:** Fahad Tanveer Ahmed

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		74		85					91			
	Mechanics of Materials	2	96	74										
	Mechanics of Materials Lab	1				89					64			
SPRING-2020	Final Year Project I	1	92	95	95	92		92		92	92	92	92	92
	Fluid Mechanics	2	80	96										
	Fluid Mechanics Lab	1				91					96			
	Mechatronic Systems Design	2			89	81							96	
	Mechatronic Systems Design Lab	2					88				78	90		
	Modeling and Simulation in Mechatronics	3	100	70			88							
	Probability and Random Variables	3	100	95		94								
	Robotics	3	77	79										
	Robotics Lab	1					82				86			
SPRING-2021	Energy and Society	2	74	93										
	Engineering Economics	3	96	96										
	Engineering Management and Entrepreneurship	2								90				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	86	87	85									
	Manufacturing Automation Lab	1		96			100				93			
	Pow er Electronics	3	88	84	95									
		Total PLO Attainment:	8101	8206	5300	1881	2718	580	150	1076	2939	1700	1032	1012
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	82	84	85	90	82	73	50	90	79	89	94	84

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170591 **Name:** Malik Muhammad Asad Ullah

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	61	50	76		64				81			
	Calculus I	3	70	87										
	Electric Circuits Analysis	3	87	70										
	Electric Circuits Analysis Lab	1		83		99					75			
	Islamic Studies	2								94				91
	Technical Report Writing	2										90		
	Workshop Practice	2	52							67	58			
FALL-2018	Data Structures and Object Oriented Programming	3	90	100	95		0				75	67	100	
	Electronic Circuits Design	3	58	63	91									
	Electronic Circuits Design Lab	1				66					53			
	Engineering Dynamics	3	70	72										
	Materials and Manufacturing Processes	3	67		73									
	Multivariable Calculus	3	87	96										
	Solid Modeling and Manufacturing Processes	1			71		80					64		
FALL-2019	Communication Skills	2										67		
	Fundamentals of Thermal Sciences	3	71	80	65									
	Fundamentals of Thermal Sciences Lab	1				50					61	60		
	Microcontroller and Embedded Systems	2	53	56	49									
	Microcontroller and Embedded Systems Lab	2				60	57				47			
	Path Planing for Mobile Robots	3		57	48		74				50			
	Signals and System	2	55	65										
	Theory of Machines	2	54	62										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170591 **Name:** Malik Muhammad Asad Ullah

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				73					64			
FALL-2020	Control Systems	3	53	62	50									
	Control Systems Lab	1					78				50			
	Design of Machine Elements	2	37	52	29									
	Final Year Project II	2	64	70	70	70		70		70	70	70	70	70
	Mechanical Vibrations	2	84	62										
	Numerical Analysis and Computation	3		51	64		100							
	Pakistan Studies	2						60						59
	Technical English	2										62		
SPRING-2018	Computer Programming	3	75	55	67		57							
	Electronics Devices and Circuits	3	60	61	73									
	Electronics Devices and Circuits Lab	1	55								93			
	Engineering Drawing	2	67		51		76							
	Engineering Statics	3	42	74										
	Ethics	2			21						0			0
	Ordinary Differential Equations and Linear Algebra	3	40	50										
SPRING-2019	Actuating Systems	3	66	68	87									
	Actuating Systems Lab	1		61							58			
	Complex Variables and Transforms	3	79		44									
	Digital Logic Design	3	64	79	77									
	Digital Logic Design Lab	1				80	62				58			
	Instrumentation and Measurement Systems	3	80	66										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170591 **Name:** Malik Muhammad Asad Ullah

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		57		69					68			
	Mechanics of Materials	2	50	56										
	Mechanics of Materials Lab	1				55					57			
SPRING-2020	Final Year Project I	1	94	96	96	94		94		94	94	94	94	94
	Fluid Mechanics	2	74	86										
	Fluid Mechanics Lab	1				100					72			
	Mechatronic Systems Design	2			67	73							82	
	Mechatronic Systems Design Lab	2					41				54	49		
	Modeling and Simulation in Mechatronics	3	78	72			88							
	Probability and Random Variables	3	71	79		84								
	Robotics	3	27	62										
	Robotics Lab	1					75				50			
SPRING-2021	Energy and Society	2	74	81										
	Engineering Economics	3	87	75										
	Engineering Management and Entrepreneurship	2								77				
	Ethics	2								65				79
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	96	78	59									
	Manufacturing Automation Lab	1		74			63				80			
	Pow er Electronics	3	61	70	84									
		Total PLO Attainment:	6662	6854	4217	1644	2069	504	150	1140	2390	1395	998	992
		Total Credit Hourse:	99	98	62	21	33	8	3	14	37	19	11	14
		CPLO Attainment:	67	70	68	78	63	63	50	81	65	73	91	71

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170593 **Name:** Osama Khalid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	64	31	62		50				66			
	Calculus I	3	67	60										
	Electric Circuits Analysis	3	94	77										
	Electric Circuits Analysis Lab	1		73		75					73			
	Islamic Studies	2								67				87
	Technical Report Writing	2										77		
	Workshop Practice	2	81							81	88			
FALL-2018	Data Structures and Object Oriented Programming	3	50	0	47		58				69	83	50	
	Electronic Circuits Design	3	60	39	47									
	Electronic Circuits Design Lab	1				64					61			
	Engineering Dynamics	3	50	59										
	Materials and Manufacturing Processes	3	52		71									
	Multivariable Calculus	3	50	47										
	Solid Modeling and Manufacturing Processes	1			50		55					43		
FALL-2019	Communication Skills	2										62		
	Fundamentals of Thermal Sciences Lab	1				77					64	57		
	Microcontroller and Embedded Systems	2	32	27	46									
	Microcontroller and Embedded Systems Lab	2				49	24				27			
	Signals and System	2	78	50										
	Theory of Machines	2	50	58										
	Theory of Machines Lab	1				77					71			
FALL-2020	Control Systems	3	72	66	68									

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170593 **Name:** Osama Khalid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2020	Control Systems Lab	1					55				86			
	Final Year Project II	2	70	74	74	74		74		74	74	74	74	74
	Fundamentals of Thermal Sciences	3	83	50	56									
	Pakistan Studies	2						57						91
	Path Planing for Mobile Robots	3		33	21		0				42			
	Technical English	2										64		
FALL-2021	Design of Machine Elements	2	39	66	80									
	Final Year Project III	3	100	100	100	100	100	100	100	50	100	100	100	50
	Mechanical Vibrations	2	64	63										
	Microcontroller and Embedded Systems	2	50	56	65									
SPRING-2018	Computer Programming	3	51	0	41		25							
	Electronics Devices and Circuits	3	85	55	68									
	Electronics Devices and Circuits Lab	1	76								74			
	Engineering Draw ing	2	56		32		50							
	Ethics	2			96						90			93
	Ordinary Differential Equations and Linear Algebra	3	50	64										
SPRING-2019	Actuating Systems	3	85	72	89									
	Actuating Systems Lab	1		81							53			
	Complex Variables and Transforms	3	48		78									
	Digital Logic Design	3	64	35	34									
	Digital Logic Design Lab	1				58	69				53			
	Instrumentation and Measurement Systems	3	61	64										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170593 **Name:** Osama Khalid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		55		54					73			
	Mechanics of Materials	2	39	44										
	Mechanics of Materials Lab	1				62					54			
SPRING-2020	Final Year Project I	1	92	94	94	92		92		93	92	92	92	92
	Fluid Mechanics	2	50	90										
	Fluid Mechanics Lab	1				71					90			
	Mechatronic Systems Design	2			65	71							85	
	Mechatronic Systems Design Lab	2					66				62	67		
	Modeling and Simulation in Mechatronics	3	69	59			46							
	Probability and Random Variables	3	79	55		78								
	Robotics	3	0	51										
	Robotics Lab	1					58				61			
SPRING-2021	Energy and Society	2	68	80										
	Engineering Economics	3	94	79										
	Engineering Management and Entrepreneurship	2								86				
	Manufacturing Automation	2	61	78	75									
	Manufacturing Automation Lab	1		67			59				61			
	Pow er Electronics	3	82	79	84									
	Robotics	3	27	51										
SUMMER-2018	Engineering Statics	3	100	94										
		Total PLO Attainment:	6619	5733	3870	1552	1463	654	300	859	2545	1429	860	932
		Total Credit Hourse:	104	100	61	21	30	8	3	12	37	19	11	12
		CPLO Attainment:	64	57	63	74	49	82	100	72	69	75	78	78

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170594 **Name:** Muhammad Bilal Tariq

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	51	52	56		60				74			
	Calculus I	3	83	83										
	Electric Circuits Analysis	3	69	65										
	Electric Circuits Analysis Lab	1		80		82					52			
	Islamic Studies	2								88				84
	Technical Report Writing	2										80		
	Workshop Practice	2	73							74	75			
FALL-2018	Data Structures and Object Oriented Programming	3	68	0	78		33				50	83	100	
	Electronic Circuits Design	3	70	86	73									
	Electronic Circuits Design Lab	1				78					84			
	Engineering Dynamics	3	70	73										
	Materials and Manufacturing Processes	3	70		72									
	Multivariable Calculus	3	85	86										
	Solid Modeling and Manufacturing Processes	1			71		84					36		
FALL-2019	Communication Skills	2										82		
	Fundamentals of Thermal Sciences	3	79	74	71									
	Fundamentals of Thermal Sciences Lab	1				62					46	50		
	Microcontroller and Embedded Systems	2	60	63	49									
	Microcontroller and Embedded Systems Lab	2				70	61				50			
	Path Planing for Mobile Robots	3		70	83		73				50			
	Signals and System	2	81	69										
	Theory of Machines	2	69	80										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170594 **Name:** Muhammad Bilal Tariq

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				80					50			
FALL-2020	Control Systems	3	69	83	87									
	Control Systems Lab	1					52				86			
	Design of Machine Elements	2	51	56	57									
	Final Year Project II	2	75	89	89	89		89		89	89	89	89	89
	Mechanical Vibrations	2	97	62										
	Numerical Analysis and Computation	3		80	71		100							
	Pakistan Studies	2						83						81
	Technical English	2										81		
SPRING-2018	Computer Programming	3	75	63	56		50							
	Electronics Devices and Circuits	3	100	59	74									
	Electronics Devices and Circuits Lab	1	60								88			
	Engineering Drawing	2	88		50		78							
	Engineering Statics	3	33	75										
	Ethics	2			82						67			50
	Ordinary Differential Equations and Linear Algebra	3	54	38										
SPRING-2019	Actuating Systems	3	63	79	99									
	Actuating Systems Lab	1		68							58			
	Complex Variables and Transforms	3	56		67									
	Digital Logic Design	3	66	100	23									
	Digital Logic Design Lab	1				79	65				94			
	Instrumentation and Measurement Systems	3	72	95										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170594 **Name:** Muhammad Bilal Tariq

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		64		50					68			
	Mechanics of Materials	2	65	53										
	Mechanics of Materials Lab	1				62					61			
SPRING-2020	Final Year Project I	1	93	95	95	93		93		93	93	93	93	93
	Fluid Mechanics	2	82	84										
	Fluid Mechanics Lab	1				79					73			
	Mechatronic Systems Design	2			80	90							87	
	Mechatronic Systems Design Lab	2					88				78	71		
	Modeling and Simulation in Mechatronics	3	90	61			77							
	Probability and Random Variables	3	75	95		62								
	Robotics	3	6	82										
	Robotics Lab	1					68				95			
SPRING-2021	Energy and Society	2	85	93										
	Engineering Economics	3	84	74										
	Engineering Management and Entrepreneurship	2								74				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	99	72	60									
	Manufacturing Automation Lab	1		78			80				70			
	Pow er Electronics	3	78	73	88									
		Total PLO Attainment:	7052	7117	4450	1649	2192	587	150	1043	2632	1534	1045	1001
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	71	73	72	79	66	73	50	87	71	81	95	83

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170597 **Name:** Mohsin Ali

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	14	82	74		42				80			
	Calculus I	3	78	97										
	Electric Circuits Analysis	3	68	62										
	Electric Circuits Analysis Lab	1		71		85					66			
	Islamic Studies	2								71				91
	Technical Report Writing	2										76		
	Workshop Practice	2	68							74	75			
FALL-2018	Data Structures and Object Oriented Programming	3	80	100	84		58				100	83	50	
	Electronic Circuits Design	3	68	46	84									
	Electronic Circuits Design Lab	1				72					68			
	Materials and Manufacturing Processes	3	57		86									
	Multivariable Calculus	3	81	100										
	Solid Modeling and Manufacturing Processes	1			88		79					43		
FALL-2019	Communication Skills	2										51		
	Fundamentals of Thermal Sciences	3	79	72	55									
	Fundamentals of Thermal Sciences Lab	1				83					60	58		
	Microcontroller and Embedded Systems	2	84	100	99									
	Microcontroller and Embedded Systems Lab	2				87	90				70			
	Path Planing for Mobile Robots	3		87	85		97				0			
	Signals and System	2	55	75										
	Theory of Machines	2	69	84										
	Theory of Machines Lab	1				83					100			

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170597 **Name:** Mohsin Ali

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2020	Control Systems	3	63	78	87									
	Control Systems Lab	1					84				86			
	Design of Machine Elements	2	27	62	43									
	Engineering Dynamics	3	85	57										
	Final Year Project II	2	92	83	83	83		83		83	83	83	83	83
	Mechanical Vibrations	2	87	82										
	Numerical Analysis and Computation	3		64	80		50							
	Pakistan Studies	2						57						67
	Technical English	2										76		
SPRING-2018	Computer Programming	3	75	76	87		96							
	Electronics Devices and Circuits	3	80	59	70									
	Electronics Devices and Circuits Lab	1	95								90			
	Engineering Drawing	2	90		34		58							
	Engineering Statics	3	53	66										
	Ethics	2			84						71			73
	Ordinary Differential Equations and Linear Algebra	3	100	100										
SPRING-2019	Actuating Systems	3	74	67	69									
	Actuating Systems Lab	1		94							64			
	Complex Variables and Transforms	3	72		28									
	Digital Logic Design	3	62	89	50									
	Digital Logic Design Lab	1				93	87				96			
	Instrumentation and Measurement Systems	3	71	83										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170597 **Name:** Mohsin Ali

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		76		73					64			
	Mechanics of Materials	2	72	49										
	Mechanics of Materials Lab	1				59					54			
SPRING-2020	Final Year Project I	1	50	66	66	50		50		50	50	50	50	50
	Fluid Mechanics	2	75	63										
	Fluid Mechanics Lab	1				96					75			
	Mechatronic Systems Design	2			26	73							79	
	Mechatronic Systems Design Lab	2					84				82	81		
	Modeling and Simulation in Mechatronics	3	58	52			44							
	Probability and Random Variables	3	58	75		76								
	Robotics	3	100	76										
	Robotics Lab	1					50				59			
SPRING-2021	Energy and Society	2	79	79										
	Engineering Economics	3	93	94										
	Engineering Management and Entrepreneurship	2								81				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	87	81	88									
	Manufacturing Automation Lab	1		73			74				73			
	Modeling and Simulation in Mechatronics	3	53	83			41							
	Power Electronics	3	77	85	99									
	Total PLO Attainment:		7326	7828	4556	1708	2314	480	150	968	2687	1434	824	978
	Total Credit Hourse:		102	101	62	21	36	8	3	12	37	19	11	12
	CPLO Attainment:		72	78	73	81	64	60	50	81	73	75	75	82

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170602 **Name:** Moiz Abdul Razzaq

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Calculus I	3	43	57										
	Electric Circuits Analysis	3	69	84										
	Electric Circuits Analysis Lab	1		61		82					69			
	Islamic Studies	2								83				89
	Technical Report Writing	2										84		
	Workshop Practice	2	83							100	100			
FALL-2018	Data Structures and Object Oriented Programming	3	68	100	61		50				88	83	100	
	Electronic Circuits Design	3	25	45	71									
	Electronic Circuits Design Lab	1				92					61			
	Engineering Dynamics	3	65	47										
	Materials and Manufacturing Processes	3	54		79									
	Multivariable Calculus	3	67	92										
	Solid Modeling and Manufacturing Processes	1			87		98					71		
FALL-2019	Communication Skills	2										71		
	Fundamentals of Thermal Sciences	3	56	21	17									
	Fundamentals of Thermal Sciences Lab	1				62					45	42		
	Microcontroller and Embedded Systems	2	26	16	25									
	Microcontroller and Embedded Systems Lab	2				48	42				31			
	Path Planing for Mobile Robots	3		32	18		47				50			
	Signals and System	2	39	0										
	Theory of Machines	2	35	30										
	Theory of Machines Lab	1				47					79			

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170602 **Name:** Moiz Abdul Razzaq

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2020	Control Systems	3	33	18	40									
	Control Systems Lab	1					79				45			
	Design of Machine Elements	2	12	20	14									
	Final Year Project II	2	61	50	50	50		50		50	50	50	50	50
	Mechanical Vibrations	2	78	57										
	Numerical Analysis and Computation	3		45	30		33							
	Pakistan Studies	2						50						50
	Technical English	2										60		
FALL-2021	Control Systems	3	59	50	60									
	Design of Machine Elements	2	53	35	65									
	Fundamentals of Thermal Sciences	3	24	47	50									
	Microcontroller and Embedded Systems	2	60	28	52									
	Path Planing for Mobile Robots	3		31	49		62				66			
	Signals and System	2	50	57										
SPRING-2018	Computer Programming	3	72	100	82		63							
	Electronics Devices and Circuits	3	98	90	89									
	Electronics Devices and Circuits Lab	1	82								73			
	Engineering Drawing	2	98		92		85							
	Engineering Statics	3	50	84										
	Ethics	2			100						100			96
	Ordinary Differential Equations and Linear Algebra	3	58	71										
SPRING-2019	Actuating Systems	3	66	78	51									

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170602 **Name:** Moiz Abdul Razzaq

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Actuating Systems Lab	1		65							86			
	Complex Variables and Transforms	3	52		28									
	Digital Logic Design	3	85	77	59									
	Digital Logic Design Lab	1				76	80				71			
	Instrumentation and Measurement Systems	3	65	60										
	Instrumentation and Measurement Systems Lab	1		83		96					82			
	Mechanics of Materials	2	38	45										
	Mechanics of Materials Lab	1				75					61			
SPRING-2020	Final Year Project I	1	66	77	77	66		66		66	66	66	66	66
	Fluid Mechanics	2	75	96										
	Fluid Mechanics Lab	1				65					71			
	Mechatronic Systems Design	2			74	69							68	
	Mechatronic Systems Design Lab	2					47				38	40		
	Modeling and Simulation in Mechatronics	3	29	43			81							
	Probability and Random Variables	3	92	71		90								
	Robotics	3	52	67										
	Robotics Lab	1					60				82			
SPRING-2022	Energy and Society	2	66						62					
	Engineering Economics	3	52	65										
	Engineering Management & Entrepreneurship	2	58	55	31								72	
	Final Year Project III	3	50	67	64	75	67	75	50	50	50	50	67	100
	Manufacturing Automation	2	50	62	51									

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170602 **Name:** Moiz Abdul Razzaq

		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
Semester	**Subject**	**Cr. Hrs**												
SPRING-2022	Manufacturing Automation Lab	1		63			34				61			
	Pow er Electronics	3	49	41	28									
SUMMER-2018	Physics	4	72	78							100			
		Total PLO Attainment:	6499	6512	3900	1490	1908	491	274	682	2752	1188	947	936
		Total Credit Hourse:	113	113	73	21	32	8	5	10	40	19	13	12
		CPLO Attainment:	58	58	53	71	60	61	55	68	69	63	73	78

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170603 **Name:** Muhammad Uzair Hussain

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	73	42	68		24				76			
	Calculus I	3	56	86										
	Electric Circuits Analysis	3	92	65										
	Electric Circuits Analysis Lab	1		69		69					65			
	Islamic Studies	2								89				92
	Technical Report Writing	2										58		
	Workshop Practice	2	59							80	100			
FALL-2018	Data Structures and Object Oriented Programming	3	83	100	93		50				75	83	100	
	Electronic Circuits Design	3	50	91	96									
	Electronic Circuits Design Lab	1				54					79			
	Engineering Dynamics	3	66	66										
	Materials and Manufacturing Processes	3	52		63									
	Multivariable Calculus	3	94	78										
	Solid Modeling and Manufacturing Processes	1			75		96					43		
FALL-2019	Communication Skills	2										64		
	Fundamentals of Thermal Sciences	3	61	75	63									
	Fundamentals of Thermal Sciences Lab	1				91					57	45		
	Microcontroller and Embedded Systems	2	68	47	74									
	Microcontroller and Embedded Systems Lab	2				46	81				59			
	Path Planing for Mobile Robots	3		63	74		62				50			
	Signals and System	2	70	58										
	Theory of Machines	2	68	65										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170603 **Name:** Muhammad Uzair Hussain

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				77					79			
FALL-2020	Control Systems	3	79	74	63									
	Control Systems Lab	1					79				89			
	Design of Machine Elements	2	50	46	57									
	Final Year Project II	2	76	91	91	91		91		91	91	91	91	91
	Mechanical Vibrations	2	92	74										
	Numerical Analysis and Computation	3		72	83		83							
	Pakistan Studies	2						52						74
	Technical English	2										82		
SPRING-2018	Computer Programming	3	75	61	68		91							
	Electronics Devices and Circuits	3	66	70	67									
	Electronics Devices and Circuits Lab	1	59								82			
	Engineering Draw ing	2	85		95		83							
	Engineering Statics	3	80	50										
	Ethics	2			24						0			9
	Ordinary Differential Equations and Linear Algebra	3	50	67										
SPRING-2019	Actuating Systems	3	79	73	67									
	Actuating Systems Lab	1		69							72			
	Complex Variables and Transforms	3	52		89									
	Digital Logic Design	3	79	96	65									
	Digital Logic Design Lab	1				88	61				71			
	Instrumentation and Measurement Systems	3	63	64										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170603 **Name:** Muhammad Uzair Hussain

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		62		79					82			
	Mechanics of Materials	2	67	60										
	Mechanics of Materials Lab	1				73					50			
SPRING-2020	Final Year Project I	1	87	91	91	87		87		87	87	87	87	87
	Fluid Mechanics	2	77	83										
	Fluid Mechanics Lab	1				72					73			
	Mechatronic Systems Design	2			85	73							84	
	Mechatronic Systems Design Lab	2					90				94	93		
	Modeling and Simulation in Mechatronics	3	30	54			65							
	Probability and Random Variables	3	96	71		87								
	Robotics	3	65	70										
	Robotics Lab	1					84				85			
SPRING-2021	Energy and Society	2	76	84										
	Engineering Economics	3	93	70										
	Engineering Management and Entrepreneurship	2								80				
	Ethics	2								68				74
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	87	94	86									
	Manufacturing Automation Lab	1		68			71				80			
	Pow er Electronics	3	74	84	86									
		Total PLO Attainment:	7093	7031	4693	1671	2198	523	150	1203	2718	1500	1037	1067
		Total Credit Hourse:	99	98	62	21	33	8	3	14	37	19	11	14
		CPLO Attainment:	72	72	76	80	67	65	50	86	73	79	94	76

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170611 **Name:** Muhammad Inshal Shahzad

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	67	53	70		69				69			
	Calculus I	3	70	64										
	Electric Circuits Analysis	3	65	88										
	Electric Circuits Analysis Lab	1		81		50					67			
	Islamic Studies	2								83				89
	Technical Report Writing	2										50		
	Workshop Practice	2	64							88	75			
FALL-2018	Data Structures and Object Oriented Programming	3	83	100	83		100				88	83	100	
	Electronic Circuits Design	3	68	86	95									
	Electronic Circuits Design Lab	1				92					61			
	Engineering Dynamics	3	80	100										
	Materials and Manufacturing Processes	3	87		81									
	Multivariable Calculus	3	95	97										
	Solid Modeling and Manufacturing Processes	1			85		86					86		
FALL-2019	Communication Skills	2										59		
	Fundamentals of Thermal Sciences	3	68	70	50									
	Fundamentals of Thermal Sciences Lab	1				85					76	68		
	Microcontroller and Embedded Systems	2	65	86	55									
	Microcontroller and Embedded Systems Lab	2				53	84				31			
	Path Planing for Mobile Robots	3		76	67		76				50			
	Signals and System	2	70	77										
	Theory of Machines	2	72	70										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170611 **Name:** Muhammad Inshal Shahzad

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				73					79			
FALL-2020	Control Systems	3	69	81	71									
	Control Systems Lab	1					90				81			
	Design of Machine Elements	2	61	50	29									
	Final Year Project II	2	71	76	76	76		76		76	76	76	76	76
	Mechanical Vibrations	2	92	70										
	Numerical Analysis and Computation	3		70	76		100							
	Pakistan Studies	2						67						60
	Technical English	2										77		
SPRING-2018	Computer Programming	3	85	0	90		88							
	Electronics Devices and Circuits	3	92	88	90									
	Electronics Devices and Circuits Lab	1	80								74			
	Engineering Drawing	2	82		87		82							
	Engineering Statics	3	75	83										
	Ethics	2			85						88			82
	Ordinary Differential Equations and Linear Algebra	3	98	90										
SPRING-2019	Actuating Systems	3	87	100	93									
	Actuating Systems Lab	1		79							86			
	Complex Variables and Transforms	3	92		89									
	Digital Logic Design	3	89	100	82									
	Digital Logic Design Lab	1				81	74				60			
	Instrumentation and Measurement Systems	3	83	63										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170611 **Name:** Muhammad Inshal Shahzad

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		90		75					86			
	Mechanics of Materials	2	64	74										
	Mechanics of Materials Lab	1				100					54			
SPRING-2020	Final Year Project I	1	58	50	71	58		58		58	58	58	58	58
	Fluid Mechanics	2	89	83										
	Fluid Mechanics Lab	1				97					91			
	Mechatronic Systems Design	2			91	94							97	
	Mechatronic Systems Design Lab	2					96				86	97		
	Modeling and Simulation in Mechatronics	3	87	69			73							
	Probability and Random Variables	3	75	82		91								
	Robotics	3	52	74										
	Robotics Lab	1					92				72			
SPRING-2021	Energy and Society	2	59	83										
	Engineering Economics	3	86	84										
	Engineering Management and Entrepreneurship	2								83				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	86	72	80									
	Manufacturing Automation Lab	1		82			81				84			
	Pow er Electronics	3	68	95	80									
		Total PLO Attainment:	7718	7656	4883	1730	2684	494	150	1018	2731	1479	1004	972
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	78	78	79	82	81	62	50	85	74	78	91	81

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170612 **Name:** Talha Tariq

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	47	32	74		56				68			
	Calculus I	3	50	70										
	Electric Circuits Analysis	3	78	50										
	Electric Circuits Analysis Lab	1		63		85					63			
	Islamic Studies	2								99				97
	Workshop Practice	2	69							50	58			
FALL-2018	Data Structures and Object Oriented Programming	3	91	0	55		0				81	50	100	
	Electronic Circuits Design	3	56	50	65									
	Electronic Circuits Design Lab	1				50					42			
	Engineering Dynamics	3	43	44										
	Multivariable Calculus	3	69	68										
	Solid Modeling and Manufacturing Processes	1			54		50					50		
FALL-2019	Digital Logic Design	3	76	63	43									
	Fundamentals of Thermal Sciences Lab	1				77					65	58		
	Path Planing for Mobile Robots	3		57	24		71				100			
	Theory of Machines	2	42	36										
	Theory of Machines Lab	1				60					50			
FALL-2020	Design of Machine Elements	2	17	52	21									
	Fundamentals of Thermal Sciences	3	74	62	45									
	Microcontroller and Embedded Systems	2	52	45	31									
	Microcontroller and Embedded Systems Lab	2				37	29				66			
	Signals and System	2	58	71										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170612 **Name:** Talha Tariq

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2020	Technical English	2										70		
FALL-2021	Control Systems	3	54	62	54									
	Control Systems Lab	1					63				82			
	Design of Machine Elements	2	63	56	61									
	Final Year Project II	2	67	67	67	67	67	67	67	67	67	67	67	67
	Mechanical Vibrations	2	69	33										
	Microcontroller and Embedded Systems	2	64	57	54									
	Pakistan Studies	2						59						62
SPRING-2018	Computer Programming	3	100	47	46		43							
	Electronics Devices and Circuits	3	50	54	66									
	Electronics Devices and Circuits Lab	1	59								93			
	Engineering Drawing	2	32		23		56							
	Ethics	2			97						92			86
SPRING-2019	Actuating Systems	3	71	64	37									
	Actuating Systems Lab	1		50							69			
	Complex Variables and Transforms	3	48		50									
	Digital Logic Design Lab	1				86	80				83			
	Instrumentation and Measurement Systems Lab	1		67		81					77			
	Mechanics of Materials Lab	1				49					46			
SPRING-2020	Instrumentation and Measurement Systems	3	61	31										
	Materials and Manufacturing Processes	3	87		82									
	Mechanics of Materials	2	64	54										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170612 **Name:** Talha Tariq

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2021	Communication Skills	2										92		
	Engineering Economics	3	86	63										
	Final Year Project I	1	75	75	75	75	75	75		75	75	75	75	75
	Manufacturing Automation	2	83	81	65									
	Manufacturing Automation Lab	1		84			82				87			
	Modeling and Simulation in Mechatronics	3	58	62			66							
	Robotics	3	50	63										
	Robotics Lab	1					85				100			
SPRING-2022	Energy and Society	2	100						86					
	Engineering Management & Entrepreneurship	2	46	61	58								59	
	Final Year Project III	3	50	67	64	75	67	75	100	50	50	50	67	100
	Fluid Mechanics	2	50	50										
	Fluid Mechanics Lab	1				87					52			
	Mechatronic Systems Design	2			47	45							42	
	Mechatronic Systems Design Lab	2					51				16	73		
	Pow er Electronics	3	70	67	68									
SUMMER-2018	Differential Equations	3	87	74										
	Engineering Statics	3	77	52										
	Total PLO Attainment:		6532	5303	3570	1173	1806	552	606	657	2547	1087	912	999
	Total Credit Hourse:		102	96	65	18	33	8	7	10	37	17	13	12
	CPLO Attainment:		64	55	55	65	55	69	87	66	69	64	70	83

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170615 **Name:** Muhammad Abdul Basit

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	43	55	23		64				88			
	Calculus I	3	64	87										
	Electric Circuits Analysis	3	68	70										
	Electric Circuits Analysis Lab	1		77		87					70			
	Islamic Studies	2								91				72
	Technical Report Writing	2										80		
	Workshop Practice	2	57							78	58			
FALL-2018	Data Structures and Object Oriented Programming	3	76	100	53		67				88	67	100	
	Electronic Circuits Design	3	42	57	79									
	Electronic Circuits Design Lab	1				65					53			
	Engineering Dynamics	3	61	62										
	Materials and Manufacturing Processes	3	52		56									
	Multivariable Calculus	3	65	75										
	Solid Modeling and Manufacturing Processes	1			58		84					43		
FALL-2019	Communication Skills	2										64		
	Fundamentals of Thermal Sciences	3	73	52	50									
	Fundamentals of Thermal Sciences Lab	1				65					37	25		
	Microcontroller and Embedded Systems Lab	2				52	18				50			
	Path Planing for Mobile Robots	3		64	80		50				0			
	Signals and System	2	42	44										
	Theory of Machines	2	57	73										
	Theory of Machines Lab	1				87					100			

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170615 **Name:** Muhammad Abdul Basit

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2020	Design of Machine Elements	2	18	51	14									
	Final Year Project II	2	100	97	97	97		97		97	97	97	97	97
	Mechanical Vibrations	2	2	11										
	Microcontroller and Embedded Systems	2	0	49	18									
	Numerical Analysis and Computation	3		42	25		67							
	Technical English	2										64		
FALL-2021	Applied Physics	4		50		64					92			
	Control Systems	3	52	62	57									
	Control Systems Lab	1					86				64			
	Design of Machine Elements	2	35	60	88									
	Mechanical Vibrations	2	73	75										
	Pakistan Studies	2						66						90
	Signals and System	2	73	56										
SPRING-2018	Computer Programming	3	88	74	68		69							
	Electronics Devices and Circuits	3	68	61	63									
	Electronics Devices and Circuits Lab	1	62								85			
	Engineering Drawing	2	85		54		69							
	Engineering Statics	3	54	48										
	Ethics	2			18						0			5
	Ordinary Differential Equations and Linear Algebra	3	58	54										
SPRING-2019	Actuating Systems	3	66	64	46									
	Actuating Systems Lab	1		81							64			

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170615 **Name:** Muhammad Abdul Basit

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Complex Variables and Transforms	3	66		61									
	Digital Logic Design	3	56	55	20									
	Digital Logic Design Lab	1				90	71				47			
	Instrumentation and Measurement Systems	3	63	66										
	Instrumentation and Measurement Systems Lab	1		71		73					68			
	Mechanics of Materials	2	47	47										
	Mechanics of Materials Lab	1				65					61			
SPRING-2020	Final Year Project I	1	100	100	100	100		100		100	100	100	100	100
	Fluid Mechanics	2	43	13										
	Fluid Mechanics Lab	1				78					14			
	Mechatronic Systems Design	2			17	71							50	
	Mechatronic Systems Design Lab	2					54				36	54		
	Modeling and Simulation in Mechatronics	3	28	54			0							
	Probability and Random Variables	3	83	29		24								
	Robotics	3	27	41										
	Robotics Lab	1					0				0			
SPRING-2021	Engineering Statics	3	61	63										
	Ethics	2								92				90
	Final Year Project III	3	83	83	100	100	100	100	100	100	100	100	100	100
	Fluid Mechanics	2	86	47										
	Modeling and Simulation in Mechatronics	3	50	55			23							
	Robotics Lab	1					95				100			

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170615 **Name:** Muhammad Abdul Basit

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2022	Energy and Society	2	50						69					
	Engineering Economics	3	58	78										
	Engineering Management & Entrepreneurship	2	70	83	50								74	
	Manufacturing Automation	2	72	78	50									
	Manufacturing Automation Lab	1		69			66				78			
	Pow er Electronics	3	63	36	60									
	Total PLO Attainment:		6729	6982	3516	1778	2068	726	438	1116	2707	1387	1142	1108
	Total Credit Hourse:		115	116	66	25	37	8	5	12	42	19	13	14
	CPLO Attainment:		59	60	53	71	56	91	88	93	64	73	88	79

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170618 **Name:** Ali Humza Waris

Semester	Subject	PLO Name / Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	59	59	100		92				89			
	Calculus I	3	87	95										
	Electric Circuits Analysis	3	100	82										
	Electric Circuits Analysis Lab	1		86		80					78			
	Islamic Studies	2								85				67
	Technical Report Writing	2										77		
	Workshop Practice	2	86							54	92			
FALL-2018	Data Structures and Object Oriented Programming	3	71	100	41		17				56	100	100	
	Electronic Circuits Design	3	63	30	87									
	Electronic Circuits Design Lab	1				75					58			
	Engineering Dynamics	3	76	71										
	Materials and Manufacturing Processes	3	49		49									
	Multivariable Calculus	3	68	50										
	Solid Modeling and Manufacturing Processes	1			75		32					64		
FALL-2019	Communication Skills	2										54		
	Fundamentals of Thermal Sciences	3	36	36	39									
	Fundamentals of Thermal Sciences Lab	1				66					68	72		
	Microcontroller and Embedded Systems	2	63	36	52									
	Microcontroller and Embedded Systems Lab	2				72	57				59			
	Path Planing for Mobile Robots	3		53	30		44				100			
	Signals and System	2	36	43										
	Theory of Machines	2	55	36										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170618 **Name:** Ali Humza Waris

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				87					79			
FALL-2020	Control Systems	3	77	89	60									
	Control Systems Lab	1					81				98			
	Design of Machine Elements	2	31	56	0									
	Final Year Project II	2	64	71	71	71		71		71	71	71	71	71
	Mechanical Vibrations	2	86	71										
	Numerical Analysis and Computation	3		62	79		100							
	Pakistan Studies	2						69						66
	Technical English	2										78		
FALL-2021	Design of Machine Elements	2	71	70	83									
	Electronic Circuits Design	3	74	82	82									
	Fundamentals of Thermal Sciences	3	91	77	72									
	Multivariable Calculus	3	91	76										
	Path Planing for Mobile Robots	3		74	87		85				83			
	Signals and System	2	90	83										
SPRING-2018	Computer Programming	3	75	63	71		99							
	Electronics Devices and Circuits	3	66	88	86									
	Electronics Devices and Circuits Lab	1	58								81			
	Engineering Draw ing	2	50		91		69							
	Engineering Statics	3	84	78										
	Ethics	2			66						63			82
	Ordinary Differential Equations and Linear Algebra	3	76	54										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170618 **Name:** Ali Humza Waris

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
	PLO Name		PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Actuating Systems	3	85	64	90									
	Actuating Systems Lab	1		53							83			
	Complex Variables and Transforms	3	85		11									
	Digital Logic Design	3	91	93	53									
	Digital Logic Design Lab	1				89	79				76			
	Instrumentation and Measurement Systems	3	79	49										
	Instrumentation and Measurement Systems Lab	1		50		82					82			
	Mechanics of Materials	2	55	26										
	Mechanics of Materials Lab	1				91					75			
SPRING-2020	Final Year Project I	1	70	79	79	70		70		70	70	70	70	70
	Fluid Mechanics	2	84	100										
	Fluid Mechanics Lab	1				63					86			
	Mechatronic Systems Design	2			80	75							69	
	Mechatronic Systems Design Lab	2					90				88	98		
	Modeling and Simulation in Mechatronics	3	91	70			96							
	Probability and Random Variables	3	79	96		90								
	Robotics	3	52	50										
	Robotics Lab	1					71				63			
SPRING-2021	Energy and Society	2	55	73										
	Engineering Economics	3	96	78										
	Engineering Management and Entrepreneurship	2								80				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170618 **Name:** Ali Humza Waris

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2021	Manufacturing Automation	2	100	60	75									
	Manufacturing Automation Lab	1		91			94				87			
	Mechanics of Materials	2	26	77										
	Pow er Electronics	3	72	71	69									
	Total PLO Attainment:		8310	7992	4908	1709	2630	500	150	950	3203	1562	950	942
	Total Credit Hourse:		114	116	73	21	36	8	3	12	40	19	11	12
	CPLO Attainment:		73	69	67	81	73	63	50	79	80	82	86	79

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170621 **Name:** Sameer Sheikh

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	60	40	70		66				79			
	Calculus I	3	64	80										
	Electric Circuits Analysis	3	86	80										
	Electric Circuits Analysis Lab	1		88		99					82			
	Islamic Studies	2								95				100
	Technical Report Writing	2										76		
	Workshop Practice	2	86							76	67			
FALL-2018	Data Structures and Object Oriented Programming	3	85	100	87		0				100	83	100	
	Electronic Circuits Design	3	92	66	91									
	Electronic Circuits Design Lab	1				95					76			
	Engineering Dynamics	3	80	63										
	Materials and Manufacturing Processes	3	79		82									
	Multivariable Calculus	3	69	83										
	Solid Modeling and Manufacturing Processes	1			100		84					100		
FALL-2019	Communication Skills	2										74		
	Fundamentals of Thermal Sciences	3	62	75	68									
	Fundamentals of Thermal Sciences Lab	1				91					75	67		
	Microcontroller and Embedded Systems	2	77	49	66									
	Microcontroller and Embedded Systems Lab	2				73	74				74			
	Path Planing for Mobile Robots	3		71	65		95				100			
	Signals and System	2	50	67										
	Theory of Machines	2	64	79										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170621 **Name:** Sameer Sheikh

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				87					79			
FALL-2020	Control Systems	3	73	80	76									
	Control Systems Lab	1					86				88			
	Design of Machine Elements	2	55	72	57									
	Final Year Project II	2	73	81	81	81		81		81	81	81	81	81
	Mechanical Vibrations	2	87	83										
	Numerical Analysis and Computation	3		86	81		100							
	Pakistan Studies	2						98						86
	Technical English	2										97		
SPRING-2018	Computer Programming	3	88	50	77		71							
	Electronics Devices and Circuits	3	82	91	82									
	Electronics Devices and Circuits Lab	1	98								99			
	Engineering Draw ing	2	76		47		81							
	Engineering Statics	3	89	80										
	Ethics	2			97						88			100
	Ordinary Differential Equations and Linear Algebra	3	74	79										
SPRING-2019	Actuating Systems	3	90	92	93									
	Actuating Systems Lab	1		100							94			
	Complex Variables and Transforms	3	96		78									
	Digital Logic Design	3	92	93	99									
	Digital Logic Design Lab	1				94	61				83			
	Instrumentation and Measurement Systems	3	86	76										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170621 **Name:** Sameer Sheikh

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		86		74					100			
	Mechanics of Materials	2	64	58										
	Mechanics of Materials Lab	1				88					100			
SPRING-2020	Final Year Project I	1	65	76	76	65		65		65	65	65	65	65
	Fluid Mechanics	2	82	91										
	Fluid Mechanics Lab	1				98					92			
	Mechatronic Systems Design	2			87	94							94	
	Mechatronic Systems Design Lab	2					100				82	88		
	Modeling and Simulation in Mechatronics	3	87	61			69							
	Probability and Random Variables	3	83	76		88								
	Robotics	3	44	72										
	Robotics Lab	1					89				86			
SPRING-2021	Energy and Society	2	82	85										
	Engineering Economics	3	77	82										
	Engineering Management and Entrepreneurship	2								96				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	89	88	78									
	Manufacturing Automation Lab	1		90			84				86			
	Pow er Electronics	3	78	93	85									
		Total PLO Attainment:	7741	7593	4974	1851	2333	573	150	1061	3205	1613	1015	1099
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	78	77	80	88	71	72	50	88	87	85	92	92

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170623 **Name:** Asadullah Younus

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	64	38	51		47				67			
	Calculus I	3	77	60										
	Electric Circuits Analysis	3	81	79										
	Electric Circuits Analysis Lab	1		61		85					66			
	Islamic Studies	2								81				81
	Technical Report Writing	2										83		
	Workshop Practice	2	97							84	100			
FALL-2018	Data Structures and Object Oriented Programming	3	78	30	65		58				88	67	100	
	Electronic Circuits Design	3	74	89	92									
	Electronic Circuits Design Lab	1				96					84			
	Engineering Dynamics	3	75	72										
	Materials and Manufacturing Processes	3	61		74									
	Multivariable Calculus	3	75	68										
	Solid Modeling and Manufacturing Processes	1			90		95					79		
FALL-2019	Communication Skills	2										100		
	Fundamentals of Thermal Sciences	3	73	56	45									
	Fundamentals of Thermal Sciences Lab	1				79					75	67		
	Microcontroller and Embedded Systems	2	50	60	51									
	Microcontroller and Embedded Systems Lab	2				46	86				22			
	Path Planing for Mobile Robots	3		71	58		77				100			
	Signals and System	2	36	81										
	Theory of Machines	2	65	85										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170623 **Name:** Asadullah Younus

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				87					79			
FALL-2020	Control Systems	3	76	89	71									
	Control Systems Lab	1					74				95			
	Design of Machine Elements	2	50	85	29									
	Final Year Project II	2	92	83	83	83		83		83	83	83	83	83
	Mechanical Vibrations	2	93	63										
	Numerical Analysis and Computation	3		71	75		83							
	Pakistan Studies	2						100						84
	Technical English	2										87		
SPRING-2018	Computer Programming	3	82	100	81		50							
	Electronics Devices and Circuits	3	90	91	78									
	Electronics Devices and Circuits Lab	1	88								63			
	Engineering Draw ing	2	69		47		88							
	Engineering Statics	3	80	91										
	Ethics	2			83						75			82
	Ordinary Differential Equations and Linear Algebra	3	61	75										
SPRING-2019	Actuating Systems	3	74	78	83									
	Actuating Systems Lab	1		76							61			
	Complex Variables and Transforms	3	88		44									
	Digital Logic Design	3	84	85	95									
	Digital Logic Design Lab	1				72	79				71			
	Instrumentation and Measurement Systems	3	70	71										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170623 **Name:** Asadullah Younus

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		76		75					73			
	Mechanics of Materials	2	81	69										
	Mechanics of Materials Lab	1				91					50			
SPRING-2020	Final Year Project I	1	80	78	86	80		80		80	80	80	80	80
	Fluid Mechanics	2	83	90										
	Fluid Mechanics Lab	1				92					75			
	Mechatronic Systems Design	2			74	92							84	
	Mechatronic Systems Design Lab	2					57				67	68		
	Modeling and Simulation in Mechatronics	3	84	80			50							
	Probability and Random Variables	3	100	86		99								
	Robotics	3	58	72										
	Robotics Lab	1					94				89			
SPRING-2021	Energy and Society	2	100	95										
	Engineering Economics	3	89	96										
	Engineering Management and Entrepreneurship	2								89				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	90	100	95									
	Manufacturing Automation Lab	1		85			79				89			
	Pow er Electronics	3	88	76	82									
		Total PLO Attainment:	7690	7508	4433	1796	2175	596	150	1054	2876	1569	1014	1040
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	78	77	72	86	66	75	50	88	78	83	92	87

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170624 **Name:** Arslan Aslam

Semester	Subject	PLO Name / Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	68	37	57		76				71			
	Calculus I	3	82	74										
	Electric Circuits Analysis	3	61	65										
	Electric Circuits Analysis Lab	1		97		50					50			
	Islamic Studies	2								76				92
	Technical Report Writing	2										76		
	Workshop Practice	2	85							80	92			
FALL-2018	Data Structures and Object Oriented Programming	3	68	50	49		67				75	50	100	
	Electronic Circuits Design	3	56	55	78									
	Electronic Circuits Design Lab	1				72					53			
	Engineering Dynamics	3	54	73										
	Materials and Manufacturing Processes	3	55		63									
	Multivariable Calculus	3	53	62										
	Solid Modeling and Manufacturing Processes	1			31		54					43		
FALL-2019	Communication Skills	2										50		
	Digital Logic Design	3	68	40	19									
	Fundamentals of Thermal Sciences	3	70	33	70									
	Fundamentals of Thermal Sciences Lab	1				82					60	50		
	Path Planing for Mobile Robots	3		56	59		50				100			
	Signals and System	2	18	52										
	Theory of Machines	2	66	54										
	Theory of Machines Lab	1				80					71			

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170624 **Name:** Arslan Aslam

Semester	Subject	PLO Name / Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2020	Design of Machine Elements	2	32	43	43									
	Final Year Project II	2	79	100	100	100		100		100	100	100	100	100
	Mechanical Vibrations	2	48	48										
	Microcontroller and Embedded Systems	2	72	50	21									
	Microcontroller and Embedded Systems Lab	2				41	14				69			
	Numerical Analysis and Computation	3		22	41		100							
	Technical English	2										70		
FALL-2021	Applied Physics	4		38		74					83			
	Control Systems	3	50	38	60									
	Control Systems Lab	1					50				89			
	Design of Machine Elements	2	42	51	74									
	Final Year Project III	3	100	100	100	100	100	100	100	50	100	100	100	50
	Pakistan Studies	2						66						77
	Signals and System	2	0	58										
SPRING-2018	Computer Programming	3	50	71	68		85							
	Electronics Devices and Circuits	3	82	73	70									
	Electronics Devices and Circuits Lab	1	59								89			
	Engineering Drawing	2	91		77		86							
	Engineering Statics	3	81	64										
	Ethics	2			100						83			86
	Ordinary Differential Equations and Linear Algebra	3	53	46										
SPRING-2019	Actuating Systems	3	50	66	50									

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170624 **Name:** Arslan Aslam

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Actuating Systems Lab	1		79							78			
	Complex Variables and Transforms	3	50		56									
	Digital Logic Design Lab	1				79	69				60			
	Instrumentation and Measurement Systems	3	33	64										
	Instrumentation and Measurement Systems Lab	1		71		89					50			
	Mechanics of Materials	2	40	41										
	Mechanics of Materials Lab	1				66					64			
SPRING-2020	Final Year Project I	1	97	79	98	97		97		97	97	97	97	97
	Fluid Mechanics	2	66	49										
	Fluid Mechanics Lab	1				65					66			
	Mechatronic Systems Design	2			35	73							51	
	Mechatronic Systems Design Lab	2					54				40	43		
	Modeling and Simulation in Mechatronics	3	46	17			35							
	Probability and Random Variables	3	38	45		41								
	Robotics	3	27	49										
	Robotics Lab	1					12				0			
SPRING-2021	Energy and Society	2	53	57										
	Engineering Economics	3	87	59										
	Engineering Management and Entrepreneurship	2								74				
	Manufacturing Automation	2	77	50	50									
	Manufacturing Automation Lab	1		69			69				76			
	Modeling and Simulation in Mechatronics	3	41	50			23							

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170624 **Name:** Arslan Aslam

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2021	Pow er Electronics	3	54	66	50									
	Robotics Lab	1					36				100			
		Total PLO Attainment:	6193	6015	3856	1827	2282	729	300	907	3212	1318	999	957
		Total Credit Hourse:	106	109	64	25	37	8	3	12	42	19	11	12
		CPLO Attainment:	58	55	60	73	62	91	100	76	76	69	91	80

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170627 **Name:** Mahnoor Amjad

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	56	14	84		74				96			
	Calculus I	3	52	76										
	Electric Circuits Analysis	3	85	71										
	Electric Circuits Analysis Lab	1		93		83					82			
	Islamic Studies	2								95				91
	Technical Report Writing	2										100		
	Workshop Practice	2	99							80	100			
FALL-2018	Data Structures and Object Oriented Programming	3	94	100	74		17				75	100	100	
	Electronic Circuits Design	3	84	71	92									
	Electronic Circuits Design Lab	1				92					79			
	Engineering Dynamics	3	51	77										
	Materials and Manufacturing Processes	3	74		81									
	Multivariable Calculus	3	94	75										
	Solid Modeling and Manufacturing Processes	1			75		84					57		
FALL-2019	Communication Skills	2										66		
	Fundamentals of Thermal Sciences	3	82	93	74									
	Fundamentals of Thermal Sciences Lab	1				89					82	78		
	Microcontroller and Embedded Systems	2	71	60	68									
	Microcontroller and Embedded Systems Lab	2				67	100				59			
	Path Planing for Mobile Robots	3		83	70		63				100			
	Signals and System	2	73	71										
	Theory of Machines	2	100	85										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170627 **Name:** Mahnoor Amjad

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				90					79			
FALL-2020	Control Systems	3	77	86	79									
	Control Systems Lab	1					83				51			
	Design of Machine Elements	2	54	53	36									
	Final Year Project II	2	76	91	91	91		91		91	91	91	91	91
	Mechanical Vibrations	2	93	77										
	Numerical Analysis and Computation	3		64	76		100							
	Pakistan Studies	2						83						86
	Technical English	2										100		
SPRING-2018	Computer Programming	3	88	53	74		68							
	Electronics Devices and Circuits	3	86	77	90									
	Electronics Devices and Circuits Lab	1	71								85			
	Engineering Drawing	2	78		64		62							
	Engineering Statics	3	83	14										
	Ethics	2			24						0			9
	Ordinary Differential Equations and Linear Algebra	3	49	63										
SPRING-2019	Actuating Systems	3	84	74	89									
	Actuating Systems Lab	1		65							89			
	Complex Variables and Transforms	3	76		44									
	Digital Logic Design	3	93	96	84									
	Digital Logic Design Lab	1				77	89				55			
	Instrumentation and Measurement Systems	3	80	94										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170627 **Name:** Mahnoor Amjad

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		81		80					77			
	Mechanics of Materials	2	48	38										
	Mechanics of Materials Lab	1				68					57			
SPRING-2020	Final Year Project I	1	87	91	91	87		87		87	87	87	87	87
	Fluid Mechanics	2	82	94										
	Fluid Mechanics Lab	1				93					76			
	Mechatronic Systems Design	2			89	77							90	
	Mechatronic Systems Design Lab	2					85				86	99		
	Modeling and Simulation in Mechatronics	3	58	70			88							
	Probability and Random Variables	3	67	91		99								
	Robotics	3	69	74										
	Robotics Lab	1					87				59			
SPRING-2021	Energy and Society	2	85	81										
	Engineering Economics	3	96	74										
	Engineering Management and Entrepreneurship	2								100				
	Ethics	2								88				88
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	96	87	100									
	Manufacturing Automation Lab	1		91			85				90			
	Pow er Electronics	3	80	87	89									
		Total PLO Attainment:	7698	7240	4794	1826	2376	585	150	1295	2929	1734	1049	1117
		Total Credit Hourse:	99	98	62	21	33	8	3	14	37	19	11	14
		CPLO Attainment:	78	74	77	87	72	73	50	93	79	91	95	80

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170630 **Name:** Mohammad Umair

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	68	42	75		80				86			
	Calculus I	3	59	71										
	Electric Circuits Analysis	3	92	70										
	Electric Circuits Analysis Lab	1		74		50					61			
	Islamic Studies	2								89				97
	Technical Report Writing	2										90		
	Workshop Practice	2	89							74	75			
FALL-2018	Data Structures and Object Oriented Programming	3	80	0	54		17				75	67	50	
	Electronic Circuits Design	3	58	49	78									
	Electronic Circuits Design Lab	1				84					58			
	Engineering Dynamics	3	64	66										
	Materials and Manufacturing Processes	3	67		75									
	Multivariable Calculus	3	77	71										
	Solid Modeling and Manufacturing Processes	1			81		91					93		
FALL-2019	Communication Skills	2										74		
	Fundamentals of Thermal Sciences	3	85	67	41									
	Fundamentals of Thermal Sciences Lab	1				79					72	62		
	Microcontroller and Embedded Systems	2	85	81	86									
	Microcontroller and Embedded Systems Lab	2				78	70				60			
	Path Planing for Mobile Robots	3		100	81		100				100			
	Signals and System	2	64	45										
	Theory of Machines	2	80	87										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170630 **Name:** Mohammad Umair

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				60					93			
FALL-2020	Control Systems	3	47	90	79									
	Control Systems Lab	1					79				94			
	Design of Machine Elements	2	44	69	86									
	Final Year Project II	2	53	72	72	72		72		72	72	72	72	72
	Mechanical Vibrations	2	95	76										
	Numerical Analysis and Computation	3		59	79		83							
	Pakistan Studies	2						100						90
	Technical English	2										85		
SPRING-2018	Computer Programming	3	100	74	74		85							
	Electronics Devices and Circuits	3	78	83	99									
	Electronics Devices and Circuits Lab	1	99								99			
	Engineering Drawing	2	99		100		87							
	Engineering Statics	3	94	80										
	Ethics	2			82						75			68
	Ordinary Differential Equations and Linear Algebra	3	71	54										
SPRING-2019	Actuating Systems	3	69	84	73									
	Actuating Systems Lab	1		92							69			
	Complex Variables and Transforms	3	61		11									
	Digital Logic Design	3	80	100	73									
	Digital Logic Design Lab	1				76	84				60			
	Instrumentation and Measurement Systems	3	75	73										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170630 **Name:** Mohammad Umair

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		77		75					68			
	Mechanics of Materials	2	49	47										
	Mechanics of Materials Lab	1				90					79			
SPRING-2020	Final Year Project I	1	85	90	90	85		85		85	85	85	85	85
	Fluid Mechanics	2	80	90										
	Fluid Mechanics Lab	1				92					50			
	Mechatronic Systems Design	2			100	75							91	
	Mechatronic Systems Design Lab	2					50				80	59		
	Modeling and Simulation in Mechatronics	3	94	63			77							
	Probability and Random Variables	3	88	98		94								
	Robotics	3	60	79										
	Robotics Lab	1					80				100			
SPRING-2021	Complex Variables and Transforms	4	60	60										
	Energy and Society	2	81	80										
	Engineering Economics	3	100	67										
	Engineering Management and Entrepreneurship	2								88				
	Final Year Project III	3	100	100	100	100	50	50	100	100	100	100	100	100
	Manufacturing Automation	2	93	86	87									
	Manufacturing Automation Lab	1		89			81				86			
	Pow er Electronics	3	79	60	86									
		Total PLO Attainment:	7854	7270	4706	1723	2385	579	300	1031	2967	1501	861	1039
		Total Credit Hourse:	103	102	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	76	71	76	82	72	72	100	86	80	79	78	87

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170633 **Name:** Qurat-Ul-Ain Mubarak

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	65	51	60		62				100			
	Calculus I	3	78	79										
	Electric Circuits Analysis	3	78	84										
	Electric Circuits Analysis Lab	1		94		85					69			
	Islamic Studies	2								100				99
	Technical Report Writing	2										90		
	Workshop Practice	2	96							67	92			
FALL-2018	Data Structures and Object Oriented Programming	3	79	100	76		33				81	83	100	
	Electronic Circuits Design	3	70	82	85									
	Electronic Circuits Design Lab	1				90					79			
	Engineering Dynamics	3	67	67										
	Materials and Manufacturing Processes	3	70		73									
	Multivariable Calculus	3	88	91										
	Solid Modeling and Manufacturing Processes	1			75		91					71		
FALL-2019	Communication Skills	2										73		
	Fundamentals of Thermal Sciences	3	85	100	82									
	Fundamentals of Thermal Sciences Lab	1				100					87	78		
	Microcontroller and Embedded Systems	2	66	41	54									
	Microcontroller and Embedded Systems Lab	2				62	28				31			
	Path Planing for Mobile Robots	3		88	76		73				100			
	Signals and System	2	72	97										
	Theory of Machines	2	75	81										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170633 **Name:** Qurat-Ul-Ain Mubarak

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				83					79			
FALL-2020	Control Systems	3	81	82	92									
	Control Systems Lab	1					79				95			
	Design of Machine Elements	2	57	83	36									
	Final Year Project II	2	72	81	81	81		81		81	81	81	81	81
	Mechanical Vibrations	2	99	80										
	Numerical Analysis and Computation	3		90	79		100							
	Pakistan Studies	2						95						83
	Technical English	2										90		
SPRING-2018	Computer Programming	3	75	55	65		71							
	Electronics Devices and Circuits	3	92	68	90									
	Electronics Devices and Circuits Lab	1	61								83			
	Engineering Drawing	2	92		47		42							
	Engineering Statics	3	43	73										
	Ethics	2			18						0			0
	Ordinary Differential Equations and Linear Algebra	3	69	67										
SPRING-2019	Actuating Systems	3	76	64	84									
	Actuating Systems Lab	1		65							83			
	Complex Variables and Transforms	3	82		72									
	Digital Logic Design	3	79	92	85									
	Digital Logic Design Lab	1				89	89				50			
	Instrumentation and Measurement Systems	3	69	64										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170633 **Name:** Qurat-Ul-Ain Mubarak

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		69		85					79			
	Mechanics of Materials	2	41	46										
	Mechanics of Materials Lab	1				79					75			
SPRING-2020	Final Year Project I	1	87	91	91	87		87		87	87	87	87	87
	Fluid Mechanics	2	80	94										
	Fluid Mechanics Lab	1				85					100			
	Mechatronic Systems Design	2			85	83							97	
	Mechatronic Systems Design Lab	2					84				76	67		
	Modeling and Simulation in Mechatronics	3	63	76			79							
	Probability and Random Variables	3	88	100		85								
	Robotics	3	60	74										
	Robotics Lab	1					83				80			
SPRING-2021	Energy and Society	2	90	90										
	Engineering Economics	3	86	100										
	Engineering Management and Entrepreneurship	2								88				
	Ethics	2								85				79
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	97	76	82									
	Manufacturing Automation Lab	1		95			86				100			
	Pow er Electronics	3	85	100	88									
		Total PLO Attainment:	7571	7844	4653	1790	2202	589	150	1229	2949	1587	1043	1071
		Total Credit Hourse:	99	98	62	21	33	8	3	14	37	19	11	14
		CPLO Attainment:	76	80	75	85	67	74	50	88	80	84	95	77

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170636 **Name:** Arham Abid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	56	49	67		46				82			
	Calculus I	3	59	86										
	Electric Circuits Analysis	3	75	63										
	Electric Circuits Analysis Lab	1		78		85					71			
	Islamic Studies	2								88				81
	Technical Report Writing	2										55		
	Workshop Practice	2	73							59	75			
FALL-2018	Electronic Circuits Design	3	51	83	68									
	Electronic Circuits Design Lab	1				77					84			
	Engineering Dynamics	3	57	66										
	Multivariable Calculus	3	55	66										
FALL-2019	Communication Skills	2										54		
	Fundamentals of Thermal Sciences	3	64	67	57									
	Fundamentals of Thermal Sciences Lab	1				69					57	62		
	Microcontroller and Embedded Systems	2	56	61	50									
	Microcontroller and Embedded Systems Lab	2				55	50				50			
	Path Planing for Mobile Robots	3		59	72		72				0			
	Signals and System	2	49	40										
	Theory of Machines	2	55	70										
	Theory of Machines Lab	1				87					50			
FALL-2020	Control Systems	3	59	71	76									
	Control Systems Lab	1					50				89			

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170636 **Name:** Arham Abid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2020	Design of Machine Elements	2	27	25	36									
	Final Year Project II	2	75	89	89	89		89		89	89	89	89	89
	Mechanical Vibrations	2	87	50										
	Numerical Analysis and Computation	3		65	50		100							
	Pakistan Studies	2						93						72
	Technical English	2										62		
FALL-2021	Data Structures and Object Oriented Programming	2	66	60	35									
	Data Structures and Object Oriented Programming Lab	1	71	85	71									
	Design of Machine Elements	2	57	58	78									
	Solid Modeling and Manufacturing Processes	1			50		71				63			
SPRING-2018	Computer Programming	3	75	58	50		65							
	Electronics Devices and Circuits	3	70	55	50									
	Electronics Devices and Circuits Lab	1	63								76			
	Engineering Draw ing	2	75		29		54							
	Engineering Statics	3	29	67										
	Ethics	2			5						0			0
SPRING-2019	Actuating Systems	3	75	62	79									
	Actuating Systems Lab	1		64							53			
	Complex Variables and Transforms	3	55		72									
	Digital Logic Design	3	44	61	43									
	Digital Logic Design Lab	1				93	75				63			
	Instrumentation and Measurement Systems	3	66	80										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170636 **Name:** Arham Abid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		77		75					68			
	Mechanics of Materials	2	52	47										
	Mechanics of Materials Lab	1				56					68			
SPRING-2020	Final Year Project I	1	87	91	91	87		87		87	87	87	87	87
	Fluid Mechanics	2	90	77										
	Fluid Mechanics Lab	1				98					75			
	Mechatronic Systems Design	2			87	98							68	
	Mechatronic Systems Design Lab	2					62				66	76		
	Modeling and Simulation in Mechatronics	3	50	72			69							
	Probability and Random Variables	3	79	84		94								
	Robotics	3	67	59										
	Robotics Lab	1					78				91			
SPRING-2021	Energy and Society	2	77	63										
	Engineering Economics	3	89	64										
	Engineering Management and Entrepreneurship	2								80				
	Ethics	2								68				71
	Final Year Project III	3	100	100	100	100	100	50	50	100	100	100	100	100
	Manufacturing Automation	2	93	86	71									
	Manufacturing Automation Lab	1		64			66				70			
	Pow er Electronics	3	85	86	89									
SPRING-2022	Materials and Manufacturing Processes	3	62		57									
SUMMER-2019	Differential Equations	3	69	84										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170636 **Name:** Arham Abid

Semester	Subject	Cr. Hrs / PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		Total PLO Attainment:	6614	6781	4029	1793	2074	601	150	1155	2253	1121	701	1013
		Total Credit Hourse:	101	100	64	21	30	8	3	14	35	15	8	14
		CPLO Attainment:	65	68	63	85	69	75	50	83	64	75	88	72

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170639 **Name:** Muhammad Usman Malik

Semester	Subject	PLO Name / Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	57	26	79		86				79			
	Calculus I	3	72	70										
	Electric Circuits Analysis	3	70	74										
	Electric Circuits Analysis Lab	1		100		95					61			
	Islamic Studies	2								89				100
	Technical Report Writing	2										86		
	Workshop Practice	2	77							54	83			
FALL-2018	Data Structures and Object Oriented Programming	3	85	100	67		0				56	83	100	
	Electronic Circuits Design	3	89	62	87									
	Electronic Circuits Design Lab	1				60					76			
	Engineering Dynamics	3	42	64										
	Materials and Manufacturing Processes	3	59		74									
	Multivariable Calculus	3	64	58										
	Solid Modeling and Manufacturing Processes	1			54		52					36		
FALL-2019	Communication Skills	2										72		
	Fundamentals of Thermal Sciences	3	77	50	62									
	Fundamentals of Thermal Sciences Lab	1				77					81	92		
	Microcontroller and Embedded Systems	2	58	39	52									
	Microcontroller and Embedded Systems Lab	2				76	83				100			
	Path Planing for Mobile Robots	3		62	52		73				0			
	Signals and System	2	54	44										
	Theory of Machines	2	70	59										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170639 **Name:** Muhammad Usman Malik

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				100					79			
FALL-2020	Control Systems	3	92	71	61									
	Control Systems Lab	1					97				98			
	Final Year Project II	2	70	74	74	74		74		74	74	74	74	74
	Mechanical Vibrations	2	82	54										
	Numerical Analysis and Computation	3		66	71		67							
	Pakistan Studies	2						83						84
	Technical English	2										83		
FALL-2021	Design of Machine Elements	2	75	66	78									
SPRING-2018	Computer Programming	3	100	61	73		69							
	Electronics Devices and Circuits	3	78	50	80									
	Electronics Devices and Circuits Lab	1	85								100			
	Engineering Draw ing	2	67		26		74							
	Engineering Statics	3	38	67										
	Ethics	2			97						96			91
	Ordinary Differential Equations and Linear Algebra	3	49	71										
SPRING-2019	Actuating Systems	3	74	72	61									
	Actuating Systems Lab	1		65							81			
	Complex Variables and Transforms	3	53		50									
	Digital Logic Design	3	68	45	26									
	Digital Logic Design Lab	1				96	81				100			
	Instrumentation and Measurement Systems	3	44	56										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170639 **Name:** Muhammad Usman Malik

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		77		94					73			
	Mechanics of Materials	2	45	21										
	Mechanics of Materials Lab	1				50					71			
SPRING-2020	Final Year Project I	1	84	89	89	84		84		84	84	84	84	84
	Fluid Mechanics	2	78	86										
	Fluid Mechanics Lab	1				77					81			
	Mechatronic Systems Design	2			85	50							88	
	Mechatronic Systems Design Lab	2					90				91	100		
	Modeling and Simulation in Mechatronics	3	84	63			54							
	Probability and Random Variables	3	75	50		56								
	Robotics	3	56	69										
	Robotics Lab	1					75				92			
SPRING-2021	Energy and Society	2	79	88										
	Engineering Economics	3	76	90										
	Engineering Management and Entrepreneurship	2								92				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	90	73	82									
	Manufacturing Automation Lab	1		95			93				100			
	Mechanics of Materials	2	56	59										
	Pow er Electronics	3	85	87	99									
	Total PLO Attainment:		7089	6530	4336	1601	2175	548	150	1002	2849	1591	1008	1082
	Total Credit Hourse:		101	100	62	21	33	8	3	12	37	19	11	12
	CPLO Attainment:		70	65	70	76	66	69	50	84	77	84	92	90

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170641 **Name:** Muhammad Haroon Rasheed

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	60	44	43		67				77			
	Calculus I	3	52	69										
	Electric Circuits Analysis	3	53	66										
	Electric Circuits Analysis Lab	1		69		82					76			
	Islamic Studies	2								100				81
	Technical Report Writing	2										63		
	Workshop Practice	2	64							83	71			
FALL-2018	Data Structures and Object Oriented Programming	3	61	100	67		58				75	67	100	
	Electronic Circuits Design	3	50	79	85									
	Electronic Circuits Design Lab	1				83					61			
	Engineering Dynamics	3	58	49										
	Materials and Manufacturing Processes	3	55		76									
	Multivariable Calculus	3	56	73										
	Solid Modeling and Manufacturing Processes	1			19		82					36		
FALL-2019	Communication Skills	2										81		
	Fundamentals of Thermal Sciences	3	47	60	59									
	Fundamentals of Thermal Sciences Lab	1				71					63	70		
	Microcontroller and Embedded Systems	2	73	67	52									
	Microcontroller and Embedded Systems Lab	2				50	82				27			
	Path Planing for Mobile Robots	3		60	85		65				0			
	Signals and System	2	43	73										
	Theory of Machines	2	60	68										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170641 **Name:** Muhammad Haroon Rasheed

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				73					71			
FALL-2020	Control Systems	3	45	41	53									
	Control Systems Lab	1					53				36			
	Design of Machine Elements	2	38	49	100									
	Final Year Project II	2	70	74	74	74		74		74	74	74	74	74
	Mechanical Vibrations	2	75	51										
	Numerical Analysis and Computation	3		63	54		83							
	Pakistan Studies	2						100						76
	Technical English	2										70		
SPRING-2018	Computer Programming	3	46	0	52		25							
	Electronics Devices and Circuits	3	95	79	68									
	Electronics Devices and Circuits Lab	1	76								67			
	Engineering Drawing	2	71		27		53							
	Engineering Statics	3	63	65										
	Ethics	2			80						80			75
	Ordinary Differential Equations and Linear Algebra	3	59	65										
SPRING-2019	Actuating Systems	3	90	81	66									
	Actuating Systems Lab	1		63							53			
	Complex Variables and Transforms	3	68		50									
	Digital Logic Design	3	52	50	54									
	Digital Logic Design Lab	1				50	72				58			
	Instrumentation and Measurement Systems	3	70	71										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170641 **Name:** Muhammad Haroon Rasheed

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		65		83					50			
	Mechanics of Materials	2	51	34										
	Mechanics of Materials Lab	1				62					43			
SPRING-2020	Final Year Project I	1	91	94	94	91		91		91	91	91	91	91
	Fluid Mechanics	2	59	91										
	Fluid Mechanics Lab	1				50					88			
	Mechatronic Systems Design	2			70	77							82	
	Mechatronic Systems Design Lab	2					66				58	80		
	Modeling and Simulation in Mechatronics	3	30	87			73							
	Probability and Random Variables	3	83	84		79								
	Robotics	3	27	63										
	Robotics Lab	1					72				82			
SPRING-2021	Energy and Society	2	50	50										
	Engineering Economics	3	93	56										
	Engineering Management and Entrepreneurship	2								64				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	69	77	28									
	Manufacturing Automation Lab	1		59			59				63			
	Pow er Electronics	3	48	47	54									
		Total PLO Attainment:	6056	6318	3916	1584	2070	589	150	1033	2355	1434	1003	1003
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	61	64	63	75	63	74	50	86	64	75	91	84

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170642 **Name:** Asma Arif

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	52	54	74		76				92			
	Calculus I	3	63	80										
	Electric Circuits Analysis	3	96	76										
	Electric Circuits Analysis Lab	1		85		71					67			
	Islamic Studies	2								96				94
	Technical Report Writing	2										92		
	Workshop Practice	2	98							98	67			
FALL-2018	Data Structures and Object Oriented Programming	3	62	50	59		25				69	67	50	
	Electronic Circuits Design	3	58	68	90									
	Electronic Circuits Design Lab	1				88					58			
	Engineering Dynamics	3	53	71										
	Materials and Manufacturing Processes	3	65		73									
	Multivariable Calculus	3	90	91										
	Solid Modeling and Manufacturing Processes	1			85		84					86		
FALL-2019	Communication Skills	2										83		
	Fundamentals of Thermal Sciences	3	50	70	62									
	Fundamentals of Thermal Sciences Lab	1				86					79	82		
	Microcontroller and Embedded Systems	2	45	76	47									
	Microcontroller and Embedded Systems Lab	2				53	27				60			
	Path Planing for Mobile Robots	3		50	50		78				50			
	Signals and System	2	72	77										
	Theory of Machines	2	72	64										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170642 **Name:** Asma Arif

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				80					93			
FALL-2020	Control Systems	3	86	75	82									
	Control Systems Lab	1					81				96			
	Design of Machine Elements	2	37	53	43									
	Final Year Project II	2	71	77	77	77		77		77	77	77	77	77
	Mechanical Vibrations	2	96	87										
	Numerical Analysis and Computation	3		72	75		100							
	Pakistan Studies	2						86						100
	Technical English	2										86		
SPRING-2018	Computer Programming	3	88	47	70		53							
	Electronics Devices and Circuits	3	82	92	77									
	Electronics Devices and Circuits Lab	1	97								97			
	Engineering Draw ing	2	84		37		68							
	Engineering Statics	3	76	68										
	Ethics	2			89						88			77
	Ordinary Differential Equations and Linear Algebra	3	53	58										
SPRING-2019	Actuating Systems	3	85	62	97									
	Actuating Systems Lab	1		67							78			
	Complex Variables and Transforms	3	65		72									
	Digital Logic Design	3	84	91	74									
	Digital Logic Design Lab	1				58	65				58			
	Instrumentation and Measurement Systems	3	78	57										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170642 **Name:** Asma Arif

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
		PLO Name	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		77		67					64			
	Mechanics of Materials	2	47	36										
	Mechanics of Materials Lab	1				80					54			
SPRING-2020	Final Year Project I	1	89	93	93	89		89		89	89	89	89	89
	Fluid Mechanics	2	92	96										
	Fluid Mechanics Lab	1				59					91			
	Mechatronic Systems Design	2			74	88							88	
	Mechatronic Systems Design Lab	2					54				79	58		
	Modeling and Simulation in Mechatronics	3	77	57			94							
	Probability and Random Variables	3	54	93		88								
	Robotics	3	63	78										
	Robotics Lab	1					83				85			
SPRING-2021	Energy and Society	2	88	82										
	Engineering Economics	3	90	85										
	Engineering Management and Entrepreneurship	2								93				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	96	77	82									
	Manufacturing Automation Lab	1		85			80				90			
	Pow er Electronics	3	83	93	93									
		Total PLO Attainment:	7293	7125	4594	1678	2195	565	150	1117	2866	1550	869	1085
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	74	73	74	80	67	71	50	93	77	82	79	90

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170644 **Name:** Mohammad Uzair Shahid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	55	86	44		64				67			
	Calculus I	3	50	76										
	Electric Circuits Analysis	3	79	57										
	Electric Circuits Analysis Lab	1		76		52					57			
	Islamic Studies	2								93				81
	Technical Report Writing	2										55		
	Workshop Practice	2	72							95	79			
FALL-2018	Electronic Circuits Design	3	53	37	70									
	Electronic Circuits Design Lab	1				63					95			
	Materials and Manufacturing Processes	3	50		68									
	Multivariable Calculus	3	51	39										
	Solid Modeling and Manufacturing Processes	1			21		59					29		
FALL-2019	Engineering Dynamics	3	53	69										
FALL-2020	Fundamentals of Thermal Sciences	3	76	23	8									
	Fundamentals of Thermal Sciences Lab	1				54					58	57		
	Microcontroller and Embedded Systems	2	58	33	33									
	Microcontroller and Embedded Systems Lab	2				37	29				66			
	Pakistan Studies	2						76						78
	Path Planing for Mobile Robots	3		36	2		42				65			
	Technical English	2										50		
FALL-2021	Actuating Systems	3	82	44	75									
	Actuating Systems Lab	1		62							58			

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170644 **Name:** Mohammad Uzair Shahid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2021	Microcontroller and Embedded Systems	2	55	27	41									
	Path Planing for Mobile Robots	3		66	63		67				60			
	Signals and System	2	77	38										
	Theory of Machines	2	62	26										
	Theory of Machines Lab	1				83					69			
SPRING-2018	Computer Programming	3	50	0	34		0							
	Electronics Devices and Circuits	3	78	63	58									
	Electronics Devices and Circuits Lab	1	81								77			
	Engineering Draw ing	2	42		42		49							
	Ethics	2			74						88			61
SPRING-2019	Digital Logic Design Lab	1				76	100				60			
	Instrumentation and Measurement Systems	3	59	59										
	Instrumentation and Measurement Systems Lab	1		77		78					68			
	Mechanics of Materials Lab	1				84					54			
SPRING-2020	Computer Programming	2	50	53	63						71			
	Computer Programming Lab	1			0		0				75			
	Digital Logic Design	3	52	60	27									
	Engineering Statics	3	47	42										
	Mechanics of Materials	2	63	52										
SPRING-2021	Communication Skills	2										62		
	Computer Programming Lab	1		61	58									
	Engineering Economics	3	74	50										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170644 **Name:** Mohammad Uzair Shahid

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2021	Engineering Management and Entrepreneurship	2								76				
	Engineering Statics	3	55	33										
	Manufacturing Automation	2	83	74	54									
	Manufacturing Automation Lab	1		50			50				50			
SPRING-2022	Energy and Society	2	97						88					
	Final Year Project I	1	67	67	67	50	75	50	100	50	100	70	100	100
	Fluid Mechanics	2	74	60										
	Fluid Mechanics Lab	1				87					50			
	Mechatronic Systems Design	2			35	57							53	
	Mechatronic Systems Design Lab	2					29				15	26		
	Robotics	3	63	36										
	Robotics Lab	1					82				54			
SUMMER-2019	Differential Equations	3	50	50										
		Total PLO Attainment:	4900	3983	2221	815	1163	202	276	578	2206	542	206	540
		Total Credit Hourse:	79	80	49	13	25	3	3	7	34	11	3	7
		CPLO Attainment:	62	50	45	63	47	67	92	83	65	49	69	77

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170645 **Name:** Ahmed Azam Khan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	36	59	44		74				81			
	Calculus I	3	56	80										
	Electric Circuits Analysis	3	50	72										
	Electric Circuits Analysis Lab	1		71		81					94			
	Islamic Studies	2								79				77
	Technical Report Writing	2										74		
	Workshop Practice	2	50							50	67			
FALL-2018	Data Structures and Object Oriented Programming	3	52	0	69		67				50	83	50	
	Electronic Circuits Design	3	60	82	79									
	Electronic Circuits Design Lab	1				57					53			
	Engineering Dynamics	3	58	50										
	Materials and Manufacturing Processes	3	80		85									
	Multivariable Calculus	3	75	76										
	Solid Modeling and Manufacturing Processes	1			62		77					43		
FALL-2019	Communication Skills	2										69		
	Fundamentals of Thermal Sciences	3	68	89	67									
	Fundamentals of Thermal Sciences Lab	1				71					61	60		
	Microcontroller and Embedded Systems	2	56	69	59									
	Microcontroller and Embedded Systems Lab	2				58	32				44			
	Path Planing for Mobile Robots	3		63	64		64				50			
	Signals and System	2	95	59										
	Theory of Machines	2	72	72										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170645 **Name:** Ahmed Azam Khan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				60					50			
FALL-2020	Control Systems	3	74	82	77									
	Control Systems Lab	1					79				87			
	Design of Machine Elements	2	56	75	86									
	Final Year Project II	2	92	83	83	83		83		83	83	83	83	83
	Mechanical Vibrations	2	94	73										
	Numerical Analysis and Computation	3		74	82		100							
	Pakistan Studies	2						69						72
	Technical English	2										80		
SPRING-2018	Computer Programming	3	75	89	70		57							
	Electronics Devices and Circuits	3	68	57	55									
	Electronics Devices and Circuits Lab	1	77								79			
	Engineering Draw ing	2	42		22		80							
	Engineering Statics	3	29	74										
	Ethics	2			53						67			64
	Ordinary Differential Equations and Linear Algebra	3	47	50										
SPRING-2019	Actuating Systems	3	69	84	81									
	Actuating Systems Lab	1		68							64			
	Complex Variables and Transforms	3	60		83									
	Digital Logic Design	3	62	86	73									
	Digital Logic Design Lab	1				79	56				83			
	Instrumentation and Measurement Systems	3	72	70										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170645 **Name:** Ahmed Azam Khan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		64		80					64			
	Mechanics of Materials	2	71	60										
	Mechanics of Materials Lab	1				79					64			
SPRING-2020	Final Year Project I	1	79	86	86	79		79		79	79	79	79	79
	Fluid Mechanics	2	97	94										
	Fluid Mechanics Lab	1				97					94			
	Mechatronic Systems Design	2			83	90							87	
	Mechatronic Systems Design Lab	2					28				74	59		
	Modeling and Simulation in Mechatronics	3	52	63			77							
	Probability and Random Variables	3	58	89		68								
	Robotics	3	10	67										
	Robotics Lab	1					84				93			
SPRING-2021	Energy and Society	2	92	94										
	Engineering Economics	3	89	94										
	Engineering Management and Entrepreneurship	2								82				
	Final Year Project III	3	100	100	100	100	50	100	50	100	100	100	100	100
	Manufacturing Automation	2	94	78	91									
	Manufacturing Automation Lab	1		76			74				70			
	Modeling and Simulation in Mechatronics	3	55	85			79							
	Power Electronics	3	80	84	95									
		Total PLO Attainment:	6619	7395	4518	1649	2428	683	150	967	2629	1461	869	971
		Total Credit Hourse:	102	101	62	21	36	8	3	12	37	19	11	12
		CPLO Attainment:	65	73	73	79	67	85	50	81	71	77	79	81

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170648 **Name:** Syed Zeeshan Haider

Semester	Subject	PLO Name / Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	70	59	60		38				50			
	Calculus I	3	77	74										
	Electric Circuits Analysis	3	81	66										
	Electric Circuits Analysis Lab	1		83		94					78			
	Islamic Studies	2								89				78
	Technical Report Writing	2										86		
	Workshop Practice	2	82							100	67			
FALL-2018	Data Structures and Object Oriented Programming	3	82	100	77		50				75	83	50	
	Electronic Circuits Design	3	63	78	82									
	Electronic Circuits Design Lab	1				85					68			
	Engineering Dynamics	3	58	63										
	Materials and Manufacturing Processes	3	82		79									
	Multivariable Calculus	3	66	74										
	Solid Modeling and Manufacturing Processes	1			96		100					79		
FALL-2019	Communication Skills	2										79		
	Fundamentals of Thermal Sciences	3	98	84	61									
	Fundamentals of Thermal Sciences Lab	1				94					82	78		
	Microcontroller and Embedded Systems	2	85	71	63									
	Microcontroller and Embedded Systems Lab	2				70	84				70			
	Path Planing for Mobile Robots	3		71	100		76				100			
	Signals and System	2	76	73										
	Theory of Machines	2	80	77										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170648 **Name:** Syed Zeeshan Haider

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				77					100			
FALL-2020	Control Systems	3	57	83	76									
	Control Systems Lab	1					83				90			
	Design of Machine Elements	2	34	79	21									
	Final Year Project II	2	70	74	77	74		74		74	74	74	74	74
	Mechanical Vibrations	2	94	62										
	Numerical Analysis and Computation	3		76	78		83							
	Pakistan Studies	2						74						60
	Technical English	2										79		
SPRING-2018	Computer Programming	3	75	71	100		72							
	Electronics Devices and Circuits	3	76	66	72									
	Electronics Devices and Circuits Lab	1	76								84			
	Engineering Drawing	2	85		74		95							
	Engineering Statics	3	58	19										
	Ethics	2			58						50			64
	Ordinary Differential Equations and Linear Algebra	3	75	50										
SPRING-2019	Actuating Systems	3	82	66	91									
	Actuating Systems Lab	1		97							75			
	Complex Variables and Transforms	3	68		61									
	Digital Logic Design	3	90	93	89									
	Digital Logic Design Lab	1				93	100				86			
	Instrumentation and Measurement Systems	3	63	50										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170648 **Name:** Syed Zeeshan Haider

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		77		85					50			
	Mechanics of Materials	2	69	50										
	Mechanics of Materials Lab	1				79					79			
SPRING-2020	Final Year Project I	1	51	67	67	51		51		51	51	51	51	51
	Fluid Mechanics	2	90	91										
	Fluid Mechanics Lab	1				78					87			
	Mechatronic Systems Design	2			70	79							74	
	Mechatronic Systems Design Lab	2					88				75	76		
	Modeling and Simulation in Mechatronics	3	87	63			23							
	Probability and Random Variables	3	67	73		56								
	Robotics	3	96	100										
	Robotics Lab	1					67				82			
SPRING-2021	Energy and Society	2	90	80										
	Engineering Economics	3	87	98										
	Engineering Management and Entrepreneurship	2								81				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	93	96	96									
	Manufacturing Automation Lab	1		92			81				93			
	Pow er Electronics	3	85	84	78									
		Total PLO Attainment:	7622	7264	4753	1650	2179	497	150	1039	2802	1545	797	903
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	77	74	77	79	66	62	50	87	76	81	72	75

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170650 **Name:** Khaw aja Abdul Saboor Ghafoor

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	50	61	45		56				78			
	Calculus I	3	59	76										
	Electric Circuits Analysis	3	69	73										
	Electric Circuits Analysis Lab	1		76		92					76			
	Islamic Studies	2								96				91
	Technical Report Writing	2										73		
	Workshop Practice	2	90							92	63			
FALL-2018	Data Structures and Object Oriented Programming	3	93	0	52		0				63	50	50	
	Electronic Circuits Design	3	77	58	77									
	Electronic Circuits Design Lab	1				82					84			
	Engineering Dynamics	3	69	78										
	Materials and Manufacturing Processes	3	85		87									
	Multivariable Calculus	3	73	85										
	Solid Modeling and Manufacturing Processes	1			83		66					64		
FALL-2019	Communication Skills	2										71		
	Fundamentals of Thermal Sciences	3	85	71	51									
	Fundamentals of Thermal Sciences Lab	1				62					64	57		
	Microcontroller and Embedded Systems	2	77	51	50									
	Microcontroller and Embedded Systems Lab	2				59	46				62			
	Path Planing for Mobile Robots	3		64	65		57				100			
	Signals and System	2	62	33										
	Theory of Machines	2	71	83										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170650 **Name:** Khawaja Abdul Saboor Ghafoor

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				73					64			
FALL-2020	Control Systems	3	79	67	81									
	Control Systems Lab	1					53				44			
	Design of Machine Elements	2	46	80	43									
	Final Year Project II	2	71	79	79	79		79		79	79	79	79	79
	Mechanical Vibrations	2	83	50										
	Numerical Analysis and Computation	3		69	74		100							
	Pakistan Studies	2						83						60
	Technical English	2										74		
SPRING-2018	Computer Programming	3	68	100	50		63							
	Electronics Devices and Circuits	3	52	58	76									
	Electronics Devices and Circuits Lab	1	98								73			
	Engineering Drawing	2	63		63		70							
	Engineering Statics	3	81	87										
	Ethics	2			80						93			68
	Ordinary Differential Equations and Linear Algebra	3	64	61										
SPRING-2019	Actuating Systems	3	90	76	77									
	Actuating Systems Lab	1		56							61			
	Complex Variables and Transforms	3	5		0									
	Digital Logic Design	3	58	82	57									
	Digital Logic Design Lab	1				88	78				71			
	Instrumentation and Measurement Systems	3	88	69										

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170650 **Name:** Khawaja Abdul Saboor Ghafoor

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		57		68					68			
	Mechanics of Materials	2	79	78										
	Mechanics of Materials Lab	1				99					64			
SPRING-2020	Final Year Project I	1	85	90	90	85		85		85	85	85	85	85
	Fluid Mechanics	2	85	76										
	Fluid Mechanics Lab	1				87					74			
	Mechatronic Systems Design	2			76	92							88	
	Mechatronic Systems Design Lab	2					73				71	88		
	Modeling and Simulation in Mechatronics	3	63	76			81							
	Probability and Random Variables	3	54	95		76								
	Robotics	3	2	68										
	Robotics Lab	1					74				86			
SPRING-2021	Complex Variables and Transforms	4	59	63										
	Energy and Society	2	72	86										
	Engineering Economics	3	86	81										
	Engineering Management and Entrepreneurship	2								81				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	87	79	60									
	Manufacturing Automation Lab	1		72			83				87			
	Power Electronics	3	85	77	96									
		Total PLO Attainment:	7146	7250	4084	1724	2009	559	150	1081	2838	1426	869	981
		Total Credit Hourse:	103	102	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	69	71	66	82	61	70	50	90	77	75	79	82

ClassWise Cumulative PLO's Attainment Report

Class Name: BEMTS-F-17-A-431

RegID: 170653 **Name:** Bushra Khan

Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2017	Applied Physics	4	45	27	66		58				70			
	Calculus I	3	68	58										
	Electric Circuits Analysis	3	77	68										
	Electric Circuits Analysis Lab	1		76		89					59			
	Islamic Studies	2								69				72
	Technical Report Writing	2										88		
	Workshop Practice	2	85							100	83			
FALL-2018	Data Structures and Object Oriented Programming	3	68	0	76		50				56	83	50	
	Electronic Circuits Design	3	77	63	85									
	Electronic Circuits Design Lab	1				88					45			
	Engineering Dynamics	3	59	62										
	Materials and Manufacturing Processes	3	68		95									
	Multivariable Calculus	3	70	79										
	Solid Modeling and Manufacturing Processes	1			87		70					64		
FALL-2019	Communication Skills	2										57		
	Fundamentals of Thermal Sciences	3	56	63	63									
	Fundamentals of Thermal Sciences Lab	1				80					84	82		
	Microcontroller and Embedded Systems	2	58	57	58									
	Microcontroller and Embedded Systems Lab	2				62	84				51			
	Path Planing for Mobile Robots	3		67	67		77				50			
	Signals and System	2	61	84										
	Theory of Machines	2	76	83										

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Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
FALL-2019	Theory of Machines Lab	1				67					79			
FALL-2020	Control Systems	3	85	89	79									
	Control Systems Lab	1					86				80			
	Design of Machine Elements	2	55	88	64									
	Final Year Project II	2	50	72	72	72		72		72	72	72	72	72
	Mechanical Vibrations	2	87	69										
	Numerical Analysis and Computation	3		78	87		83							
	Pakistan Studies	2						62						72
	Technical English	2										67		
SPRING-2018	Computer Programming	3	57	0	77		63							
	Electronics Devices and Circuits	3	83	84	58									
	Electronics Devices and Circuits Lab	1	90								65			
	Engineering Draw ing	2	62		33		82							
	Engineering Statics	3	71	75										
	Ethics	2			87						88			71
	Ordinary Differential Equations and Linear Algebra	3	67	67										
SPRING-2019	Actuating Systems	3	81	98	90									
	Actuating Systems Lab	1		93							69			
	Complex Variables and Transforms	3	82		100									
	Digital Logic Design	3	91	74	99									
	Digital Logic Design Lab	1				79	92				71			
	Instrumentation and Measurement Systems	3	75	72										

ClassWise Cumulative PLO's Attainment Report

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Semester	Subject	Cr. Hrs	PLO-01	PLO-02	PLO-03	PLO-04	PLO-05	PLO-06	PLO-07	PLO-08	PLO-09	PLO-10	PLO-11	PLO-12
SPRING-2019	Instrumentation and Measurement Systems Lab	1		71		75					68			
	Mechanics of Materials	2	78	50										
	Mechanics of Materials Lab	1				84					75			
SPRING-2020	Final Year Project I	1	79	85	85	79		79		79	79	79	79	79
	Fluid Mechanics	2	70	86										
	Fluid Mechanics Lab	1				64					92			
	Mechatronic Systems Design	2			78	88							79	
	Mechatronic Systems Design Lab	2					84				70	82		
	Modeling and Simulation in Mechatronics	3	57	80			62							
	Probability and Random Variables	3	79	98		97								
	Robotics	3	27	70										
	Robotics Lab	1					80				94			
SPRING-2021	Energy and Society	2	57	71										
	Engineering Economics	3	64	85										
	Engineering Management and Entrepreneurship	2								84				
	Final Year Project III	3	100	100	100	100	50	50	50	100	100	100	100	100
	Manufacturing Automation	2	79	73	79									
	Manufacturing Automation Lab	1		92			80				92			
	Pow er Electronics	3	73	62	85									
		Total PLO Attainment:	6890	6767	4861	1740	2295	497	150	1029	2678	1506	831	953
		Total Credit Hourse:	99	98	62	21	33	8	3	12	37	19	11	12
		CPLO Attainment:	70	69	78	83	70	62	50	86	72	79	76	79