

**TRG PROGRAMME – PG COURSES – SPRING SEMESTER 2021**

Course: **MS Entry -2020 (EE)**

Duration: **15 Mar 2021 to 02 Jul 2021**

Discipline: **Electrical Engineering**

No of Weeks: **16**

Day	Venue	Time	Hours	Instructor	Code	Course	Core/Elective	Method
Mon	CR (E)-01 (Trg Block-I)	1730 2030	3	Dr Fahad Mumtaz Malik	EE-877	Mobile Robotics	Core	Lec
Tue	CR (E)-01 (Trg Block-I)	1730 2030	3	Dr Atif Qayyum	EE-973	Advanced Digital Control Systems	Elective	Lec
	CR (E)-11 (Trg Block-I)	1730 2030	3	Dr Muhammad Zeeshan	EE-97	Detection & Estimation	Elective	Lec
Wed	CR (E)-01 (Trg Block-I)	1730 2030	3	Dr Shahzad Amin Sheikh	SE-807	Machine Learning	Core	Lec
	CR (E)-11 (Trg Block-I)	1730 2030	3	Dr Azhar Ul Haq	EE-969	Selected Topics in Power Systems	Elective	Lec
Thu	CR (E)-01 (Trg Block-I)	1730 2030	3	Dr Shahzor Ahmad	CS-867	Computer Vision	Elective	Lec
Fri	CR (E)-01 (Trg Block-I)	1730 2030	3	Dr Muwahida Liaquat	EE-976	Optimal and Multivariable Control	Elective	Lec

**Summary**

1.	Dr Fahad Mumtaz Malik	3.0
2.	Dr Atif Qayyum	3.0
3.	Dr Muhammad Zeeshan	3.0
4.	Dr Shahzad Amin Sheikh	3.0
5.	Dr Azhar Ul Haq	3.0
6.	Dr Shahzor Ahmad	3.0
7.	Dr Muwahida Liaquat	3.0

**TRG PROGRAMME – PG COURSES – SPRING SEMESTER – 2021**

Course: **MS Entry -2020 (ME)**

Duration: **15 Mar 2021 to 02 Jul 2021**

Discipline: **Mechanical Engineering**

No of Weeks: **16**

Day	Venue	Time	Hours	Instructor	Code	Course	Elective/ Core	Methods
Mon	CR (M)- 01 (Trg Block-IV)	1730 – 2030	3	Dr Aamer Ahmed Baqai	ME-801	Optimization of Engineering Systems	Core	Lec
Tue	CR (M)- 01 (Trg Block-IV)	1730 – 2030	3	Dr Hasan Aftab Saeed	ME-802	Finite Element Methods	Core	Lec
Wed	CR (M)- 01 (Trg Block-IV)	1730 – 2030	3	Dr Imran Akhtar	ME-837	Nonlinear Dynamics	Elective	Lec
	CR (M)- 02 (Trg Block-IV)	1730 – 2030	3	Dr Raja Amer Azim	ME-818	Kinematics & Rigid Body Dynamics	Elective	Lec
Thu	CR (M)- 01 (Trg Block-IV)	1730 – 2030	3	Dr Tariq Talha	ME-831	Computational Fluid Dynamics -1	Elective	Lec
	CR (M)- 02 (Trg Block-IV)	1730 – 2030	3	Dr Sajid Ullah Butt	MTS-851	Precision Manufacturing Systems	Elective	Lec

**Summary**

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|----|----------------------|-----|
| 1. | Dr Aamer Ahmed Baqai | 3.0 |
| 2. | Dr Hasan Aftab Saeed | 3.0 |
| 3. | Dr Imran Akhtar      | 3.0 |
| 4. | Dr Raja Amer Azim    | 3.0 |
| 5. | Dr Tariq Talha       | 3.0 |
| 6. | Dr Sajid Ullah Butt  | 3.0 |

**TRG PROGRAMME – PG COURSES – SPRING SEMESTER – 2020**

Course: **MS Entry -2020 (CE)**

Duration: **15 Mar 2021 to 02 Jul 2021**

Discipline: **Computer Engineering**

No of Weeks: **16**

<b>Day</b>	<b>Venue</b>	<b>Time</b>	<b>Hours</b>	<b>Instructor</b>	<b>Code</b>	<b>Course</b>	<b>Elective/ Core</b>	<b>Methods</b>
Mon	CRC-11 (Trg Block-II)	1730 – 2030	3	Dr Sajid Gul Khawaja	CE-825	Advanced Digital System Design	Core	Lec
Tue	CRC-11 (Trg Block-II)	1730 – 2030	3	Dr Arslan Shaukat	CE-833	Pattern Recognition & Analysis	Elective	Lec
Wed	CRC-11 (Trg Block-II)	1730 – 2030	3	Dr Omar Farooq	CE-910	Selected Topics in Computer Network and Distributed Systems	Elective	Lec
Thu	CRC-11 (Trg Block-II)	1730 – 2030	3	Dr Farhan Riaz	CE-803	Computer Vision	Elective	Lec
Fri	CRC-11 (Trg Block-II)	1730 – 2030	3	Dr Farhan Hussain	CE-822	Parallel Processing Computer Systems (Elective)	Elective	Lec

**Summary**

1	Dr Sajid Gul Khawaja	3.0
2	Dr Arslan Shaukat	3.0
3	Dr Farhan Riaz	3.0
4.	Dr Omar Farooq	3.0
5.	Dr Farhan Hussain	3.0

**TRG PROGRAMME – PG COURSES – SPRING SEMESTER – 2021**

Course: **MS Entry -2020 (SE)**

Duration: **15 Mar 2021 to 02 Jul 2021**

Discipline: **Software Engineering**

No of Weeks: **16**

<b>Day</b>	<b>Venue</b>	<b>Time</b>	<b>Hours</b>	<b>Instructor</b>	<b>Code</b>	<b>Course</b>	<b>Elective/ Core</b>	<b>Methods</b>
Mon	CR (C)-15 (Trg Block-II)	1730 – 2030	3	Dr Usman Qamar	SE-810	Data Engineering	Elective	Lec
Wed	CR (C)-15 (Trg Block-II)	1730 – 2030	3	Dr Muhammad Abbas	SE-863	Software Quality Engineering	Core	Lec
Thu	CR (C)-15 (Trg Block-II)	1730 – 2030	3	Dr Rizwan Masood	CS-833	Cloud Computing	Elective	Lec
Fri	CR (C)-15 (Trg Block-II)	1730 – 2030	3	Dr Farooque Azam	SE-861	Software System Design & Architecture	Elective	Lec

**Summary**

1. Dr Farooque Azam 3.0
2. Dr Muhammad Abbas 3.0
3. Dr Usman Qamar 3.0
4. Dr Rizwan Masood 3.0

**TRG PROGRAMME – PG COURSES – SPRING SEMESTER – 2021**

Course: **MS Entry-2020 (Mts)**

Duration: **15 Mar 2021 to 02 Jul 2021**

Discipline: **Mechatronics Engineering**

No of Weeks: **16**

Day	Venue	Time	Hours	Instructor	Code	Course	Elective/ Core	Methods
Mon	CR (Mts)-01 (Trg Block-III)	1730 – 2030	3	Dr Mahmood Anwar Khan	MTS-800	Advanced Robotics 1	Elective	Lec
Tue	CR (Mts)-01 (Trg Block-III)	1730 – 2030	3	Dr Umar Shahbaz Khan	MTS-841	Adv Embedded Systems	Core	Lec
Wed	CR (Mts)-01 (Trg Block-III)	1730 – 2030	3	Dr Muhammad Mubashir Saleem	EE-818	Micro-Electro Mechanical System	Elective	Lec
Thu	CR (Mts)-01 (Trg Block-III)	1730 – 2030	3	Dr Kunwar Faraz Ahmed Khan	MTS-804	Motion Planning for Mobile Robots	Elective	Lec

**Summery**

- 1 Dr Mahmood Anwar Khan 3.0
- 2 Dr Umar Shahbaz Khan 3.0
- 3 Dr Muhammad Mubashir Saleem 3.0
4. Dr Kunwar Faraz Ahmed Khan 3.0

**TRG PROGRAMME – PG COURSES – SPRING SEMESTER – 2021**

Course: **MS Entry -2019 (EM)**

Duration: **15 Mar 2021 to 02 Jul 2021**

Discipline: **Engineering Management**

No of Weeks: **16**

Day	Venue	Time	Hours	Instructor	Discp	Code	Course	Elective / Core	Methods
Mon	CR (M)-04 (Trg Block-IV)	1730 – 2030	3	Dr Mehran Ullah	MS/PhD-20	EM-818	Operation Research	Core	Lec
Tue	CR (M)-05 (Trg Block-IV)	1730 – 2030	3	Dr Masood Raza	-do-	EM-849	Industrial IOT	Elective	Lec
	CR (M)-04 (Trg Block-IV)	1730 – 2030	3	Dr Uzair Khaleeq Uz Zaman	All MS/ PhD	EM-807	Problem Solving and Decision Making in Engg Org	Elective	Lec
Wed	CR (M)-04 (Trg Block-IV)	1730 – 2030	3	Dr Afshan Naseem	-do-	HRM-542	Human Resource Management	Elective	Lec
Thu	CR (M)-04 (Trg Block-IV)	1730 – 2030	3	Dr Yasir Ahmad	-do-	EM-816	Strategic Management	Elective	Lec
Fri	CR (M)-04 (Trg Block-IV)	1730 – 2030	3	Dr Syed Tasweer Hussain Shah	MS/PhD-20	EM-817	Accounting and Financial Management	Core	Lec

**Summery**

1	Dr. Masood Raza	3.0
2	Dr Tasweer Hussain Shah	6.0
3	Dr. Yasir Ahmad	3.0
4.	Dr. Afshan Naseem	3.0
5.	Dr Mehran Ullah	3.0
6.	Dr Uzair Khaleeq Uz Zaman	3.0

