



Program Schedule / Summer Training Program (15-19 July 2019)
Special Electrical Machines and Drives
Knowledge Network of IIT Gandhinagar
Under TEQIP-III Initiative

Date/Day	Session 1		Session 2		Session 3		Session 4
	9:45-11:15		11:35-1.00		2.00-3:30		3:50-5.00
15-07-2019 Monday	Registration (9:45-10:15); Electromagnetic System Fundamentals (RK)	Break	Electromagnetic System Fundamentals (RK)	Break	Regenerative Braking (Amar)	Break	Drives for Electric Vehicles (RK)
16-07-2019 Tuesday	Electronically Commutated Motors (RK)		Brushless DC Motors (RK)		Equality of Field Equations and Circuit Equations (Naveen Endla)		Permanent Magnet Synchronous Motors (RK)
17-07-2019 Wednesday	Switched Reluctance Motors (Parth)		STM32F4xx Controller and Peripherals for Electrical Drives (MAM)		Programming STM32F4xx Controller for Electrical Drives (MAM)		Torque Ripple Minimization in SRM (Parth)
18-07-2019 Thursday	Synchronous Reluctance Motors (RK)		BLDC Motor Control using STM32F4xx Controller (MAM)		Development of Field Oriented Control of PMSM Drive (MAM)		Operating Point in PM Motors (RK)
19-07-2019 Friday	Synchronous Reluctance Motors (RK)		Analysis of Electric Machines using Magnetic Equivalent Circuit (RK)		Demonstration of PMSM Drive and Stepper Motor Drive (MAM)		Recap on Motors and Drives; Vaedictory (4: 30-5)