

SVKM'S NMIMS

Name of the School: Mukesh Patel School of Technology Management and Engineering, Mumbai

Course Structure: Academic Year 2016 - 17
(Admitted batch: 2015)

(As approved in the Academic Council)

Name of the Programme : B. Tech (Electrical Engineering)						Year: 2016 – 17		Semester : III				
Sr. No.	Module / Course Code	Name of the Module/ Course	Theory (Hours per week)	Practical/ Project (Hours per week)	Tutorials (Hours per week)	Total Hours per week	Total Credits	Examination Scheme (Weightage)		Total		Template Codes
								ICA	TEE(Universi ty /School examination)	Marks	(Weight age %)	
1	BTEE03000	Engineering Mathematics - III	3	0	2	5	4	30	70	100	100	7008
2	BTEE03001	Environmental Studies	2	0	0	2	0	50	0	50	100	7003
3	BTEE03002	Networks Analysis and Synthesis	3	0	2	5	4	30	70	100	100	7008
4	BTEE03003	Energy Resources and Generation	3	2	0	5	4	30	70	100	100	7008
5	BTEE03004	Analog Integrated Circuits and Applications	3	2	0	5	4	30	70	100	100	7008
6	BTEE03005	Measurements and Instrumentation	3	2	0	5	4	30	70	100	100	7008
7	BTEE03006	Simulation of Electrical Circuits	0	2	0	2	1	50	0	50	100	7003

ICE: Internal Continuous Evaluation

TEE: Term End Examination

Signature of the Dean:
(with date)

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(Admitted batch: 2015)

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Name of the Programme : B. Tech (Electrical Engineering)						Year: 2016 – 17		Semester : IV				
Sr. No.	Module / Course Code	Name of the Module/ Course	Theory (Hours per week)	Practical/ Project (Hours per week)	Tutorials (Hours per week)	Total Hours per week	Total Credits	Examination Scheme (Weightage)		Total		Template Codes
								ICA	TEE(Universi ty /School examination)	Marks	(Weight age %)	
1	BTEE04001	Engineering Mathematics IV	3	0	2	5	4	30	70	100	100	7008
2	BTEE04002	Electrical Machines - I	3	2	0	5	4	30	70	100	100	7008
3	BTEE04003	Electromagnetic Field Theory	3	0	2	5	4	30	70	100	100	7008
4	BTEE04004	Digital Circuits and Systems	3	2	0	5	4	30	70	100	100	7008
5	BTEE04005	Power Electronics	3	2	0	5	4	30	70	100	100	7008
6	BTEE04006	Signals and Systems	3	2	0	5	4	30	70	100	100	7008
7	BTEE04007	Numerical Techniques	2	2	0	4	3	50	0	50	100	7003

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Name of the School: Mukesh Patel School of Technology Management and Engineering, Mumbai

Course Structure: Academic Year 2017 - 18
(Admitted batch: 2015)

(As approved in the Academic Council)

Name of the Programme : B. Tech (Electrical Engineering)						Year: 2017 – 18		Semester : V				
Sr. No.	Module / Course Code	Name of the Module/ Course	Theory (Hours per week)	Practical/ Project (Hours per week)	Tutorials (Hours per week)	Total Hours per week	Total Credits	Examination Scheme (Weightage)		Total		Template Codes
								ICA	TEE(Universi ty/School examination)	Marks	(Weight age %)	
1	BTEE05001	Control Systems – I	3	2	0	5	4	30	70	100	100	7008
2	BTEE05002	Electrical Machines – II	3	2	0	5	4	30	70	100	100	7008
3	BTEE05003	Electrical Power – I	3	0	2	5	4	30	70	100	100	7008
4	BTEE05004	Renewable Energy	3	2	0	5	4	30	70	100	100	7008
5	BTEE05005	Microprocessor and Real Time Programming	0	5	0	5	4	100	00	100	100	7003
6	BTEE05006	Implementation of Technology	0	2	0	2	1	50	00	50	100	7003
7	BTEE05007	Professional Ethics	0	0	2	2	1	50	00	50	100	7003

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Course Structure: Academic Year 2017 - 18
(Admitted batch: 2015)

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Name of the Programme : B. Tech (Electrical Engineering)						Year: 2017 – 18		Semester : VI				
Sr. No.	Module / Course Code	Name of the Module/ Course	Theory (Hours per week)	Practical/ Project (Hours per week)	Tutorials (Hours per week)	Total Hours per week	Total Credits	Examination Scheme (Weightage)		Total		Template Codes
								ICA	TEE(Universi ty /School examination)	Marks	(Weight age %)	
1	BTEE06001	Control Systems - II	3	2	0	5	4	30	70	100	100	7008
2	BTEE06002	Electrical Power – II	3	0	2	5	4	30	70	100	100	7008
3	BTEE06003	Switchgear and Protection	3	2	0	5	4	30	70	100	100	7008
4	BTEE06004	Electric Drives and Tractions	3	2	0	5	4	30	70	100	100	7008
5	BTEE06005	Digital Signal Processing	3	2	0	5	4	30	70	100	100	7008
6	BTEE06006	Industrial Economics and Management	3	0	0	3	3	30	70	100	100	7008
7	BTEE06007	Minor Project	0	4	0	4	2	50	0	50	100	7003

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Name of the School: Mukesh Patel School of Technology Management and Engineering, Mumbai

Course Structure: Academic Year 2018 - 19
(Admitted batch: 2015)

(As approved in the Academic Council)

Name of the Programme : B. Tech (Electrical Engineering)					Year: 2018 – 19			Semester : VII				
Sr. No.	Module / Course Code	Name of the Module/ Course	Theory (Hours per week)	Practical /Project (Hours per week)	Tutorials (Hours per week)	Total Hours per week	Total Credits	Examination Scheme (Weightage)		Total		Template Codes
								ICA	TEE	Marks	(Weight age %)	
1	BTEE07001	Electrical System Design	3	0	2	5	4	30	70	100	100	7008
2	BTEE07002	Power System Operation and Control	3	2	0	5	4	30	70	100	100	7008
3	BTEE07003	Testing, Commissioning and Maintenance of Electrical Equipment	3	2	0	5	4	30	70	100	100	7008
4	BTEE07004	Power Quality	3	0	2	5	4	30	70	100	100	7008
5	BTEE07005	Project Phase I	0	8	0	8	4	100	0	100	100	7003
		Elective I										
6	BTEE07006	Industrial Automation	3	2	0	5	4	30	70	100	100	7008
7	BTEE07007	Optimization Techniques and its Applications	3	0	2	5	4	30	70	100	100	7008
8	BTEE07008	Advanced Power Electronics	3	2	0	5	4	30	70	100	100	7008
9	BTEE07009	Electric and Hybrid Electric Vehicle Technology	3	2	0	5	4	30	70	100	100	7008

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Course Structure: Academic Year 2018 - 19

(Admitted batch: 2015)

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Name of the Programme : B. Tech (Electrical Engineering)						Year: 2018 : 19		Semester : VIII				
Sr. No.	Module / Course Code	Name of the Module/ Course	Theory (Hours per week)	Practical /Project (Hours per week)	Tutorials (Hours per week)	Total Hours per week	Total Credits	Examination Scheme (Weightage)		Total		Template Codes
								ICA	TEE	Marks	(Weight age %)	
1	BTEE08001	Power System Stability	3	2	0	5	4	30	70	100	100	7008
2	BTEE08002	High Voltage Engineering	3	2	0	5	4	30	70	100	100	7008
3	BTEE08003	Smart Grids	3	0	2	5	4	30	70	100	100	7008
4	BTEE08004	Project Phase II	0	8	0	8	4	100	0	100	100	7003
Elective II												
5	BTEE08005	FACTS (Flexible AC Transmission Systems)	3	2	0	5	4	30	70	100	100	7008
6	BTEE08006	Project Management	3	0	2	5	4	30	70	100	100	7008
7	BTEE08007	Computer Aided Power System Analysis.	3	2	0	5	4	30	70	100	100	7008
8	BTEE08008	Energy Management and Audit	3	0	2	5	4	30	70	100	100	7008

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