

## K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

**Department of Electronics Engineering**  
**OBE - Transforming Engineering Education Practices by Department for Internal**  
**Assessment (IA)**  
**Academic Year 2017-18**

Class	Name of the Course	July -Nov 2017			
		Name / Initials of Faculty Member	IA1	IA2	IA3
<b>SY</b>	Basic Electronics Circuits	S_G/BGK	MCQ	Assignment	
	Electrical Networks	NAL/MRS	Assignment	Surprise Test	--
	Digital Design	LD/SAH	Open Test Assignment	Assignment	--
	Electrical Machines and Instruments	UPC/A_A	Quiz 1	Quiz 2	--
<b>TY</b>	Electromagnetic Engineering	SPT/SRJ	Assignment	Case Study	
	Signals and Systems	SUK/PSS	Quiz	Open Book Test	
	Linear Integrated Circuit Design	MSM/SND	Assignment 1	Assignment 2	MCQ
	Digital Communication and Coding Techniques	BPK/JE	Open Book Test	MCQ	--
	Management Information Systems	PRG/ARR	Case Study	Assignment	
<b>LY</b>	IC Technology	AST/AYN	Assignment 1/ Seminar in Lab	Open Book Test	
	Data Communication and Networking	BPK/SPJ	Open Book Test	MCQ	Assignment
	Embedded System Design	KCS/ASP	Open Book Test	Case Study	
	Power Electronics & Drives	MSM	Technical Report	Assignment on Self Learning Topics in Syllabus	
	Digital Image Processing	UPC	Assignment	Report Writing	
	Optical Fiber Communication	MGK	Open Book Test	MCQ	
	Artificial Neural Networks and Fuzzy Systems	JHN	Quiz		

**M.Tech – ADSP**

**Classification and analysis of different practices used for IA July -Nov 2017**

	SY	TY	LY	M. Tech	Total
<b>Open Book Test</b>	1	2	4	0	7
<b>MCQ</b>	1	2	2	0	5
<b>Assignment</b>	4	4	3	0	10
<b>Surprise Test</b>	1	0	0	0	1
<b>Quiz</b>	2	1	1	0	4
<b>Case Study</b>	0	1	1	0	2
<b>Report Writing</b>	0	0	1	0	1
<b>Seminar in Lab</b>	0	0	1	0	1

## K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

### Academic Year 2017-18

Class	Course	Jan -May 2018			
		Name / Initials of Faculty Member	IA1	IA2	IA3
SY	Electronics Circuits Analysis & Design	SND/PRG	Assignment	MCQ	
	Control System Engineering	L_D/AGM	Quiz	Quiz	Assignment
	Microprocessors and Peripherals	RTD/SPJ	Open Book Test	Quiz	
	Basics of Communication Engineering	MGK/SRJ	Open Book Test	MCQ	
TY	Digital Signal Processing	SPT/PSS	Assignment	Quiz	
	Instrumentation Systems	UPC/PVS	MCQ	Assignment	
	Power Electronics	MSM/SPT	Assignment	MCQ	
	BVLSI Design	S_G/PRG	MCQ	Assignment	
	Computer Organization	RTD/W_T	Quiz	Open Book Test	
	MLFS-IDC	JHN	Individual Programming Assignment	Lecture Note	
LY	Analog VLSI Design	AST/BGK	Assignment	Quiz	
	Digital Control System	SAK/A_A	Quiz 1	Quiz 2	
	Advanced Networking Technologies	SRG/BPK	Presentation	MCQ	
	Robotics	AGM	Quiz	Quiz	Assignment
	Biomedical Electronics	SND	MCQ	Report/Seminar	
	MEMS Technology	AYN	Assignment	Model Implementation	
	Mobile Communication	MGK	Open Book Test	MCQ	
M.TECH	Machine Learning	JHN	Mini Project	Presentation on Research Paper	Lecture Note
	Embedded and Real Time System	KCS	Mini Project	Case Study Assignment	
	MSD	AYN	Assignment	Model Implementation	
	Verification using System Verilog	ASP	Programming Test	Seminar	

**K. J. Somaiya College of Engineering, Mumbai-77**

(Autonomous College Affiliated to University of Mumbai)

**Classification and analysis of different practices used for IA July -Nov 2017**

	<b>SY</b>	<b>TY</b>	<b>LY</b>	<b>M. Tech</b>	<b>Total</b>
<b>Open Book Test</b>	2	1	1	0	4
<b>MCQ</b>	2	3	3	0	8
<b>Assignment</b>	2	4	3	1	10
<b>Surprise Test</b>	0	0	0	0	0
<b>Quiz</b>	3	2	5	0	10
<b>Presentation</b>	0	0	1	0	1
<b>Individual Programming Assignment</b>	0	1	0	0	1
<b>Model Implementation</b>	0	0	1	1	2
<b>Mini Project</b>	0	0	0	2	2
<b>Presentation on Research Paper</b>	0	0	0	1	1
<b>Seminar</b>	0	0	0	1	1
<b>Programming Test</b>	0	0	0	1	1
<b>Lecture Note</b>	0	0	0	1	1

## K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

### Academic Year 2018-19

Class	Name of the Course	July -Nov 2018			
		Name / Initials of Faculty Member	IA1	IA2	IA3
SY	Basic Electronics Circuits	S_G/PRG	Simulation using SEQUEL	Design Problem	
	Electrical Networks	NAL/MRS	MCQ	Open Book Test	
	Digital Design	PRG/L-D	Simulation using SEQUEL	Design Problem	
	Electrical Machines and Instruments	UPC/ A_A	Quiz 1	Quiz 2	
TY	Electromagnetic Engineering	SPT/AGM	Case Study	Quiz	
	Signals and Systems	SUK/PSS	Quiz	Assignment	
	Linear Integrated Circuit Design	ISD/SND	Quiz 1	Quiz 2	
	Digital Communication and Coding Techniques	MGK/NAL	MCQ	Case Study Presentations	
	Management Information Systems	BPK/ARR	Case Study	Assignment	
LY	IC Technology	AST/AYN	Presentation using Screencast and peer reviewed	OBT using Pictoword Tool	Class test on device, Formulas and diagram
	Data Communication and Networking	BPK/PVS	Research Paper based Power point presentations & Video	MCQ	
	Embedded System Design	RTD/KCS	Open Book Test	Quiz	
	Power Electronics & Drives	MSM	Technical Report	Assignment on Self Learning Topics in Syllabus	
	Digital Image Processing	JHN	Quiz	Mini Project	Lecture Notes
	Optical Fiber Communication	AGM	Five Minutes Seminar	MCQ Test	
	Artificial Neural Networks and Fuzzy Systems	SRG	Quiz 1	Quiz 2	Group Activity
M.Tech	Digital System Design	ASP	Open Book Test	Programming Test	
	ADSP	SAK	Presentation & Report	Assignment	
	Power Electronics & Drives	MSM	Technical Report	Assignment on Self Learning Topics in Syllabus	
	Solid State Devices	AYN	Assignment	MCQ	

**K. J. Somaiya College of Engineering, Mumbai-77**

(Autonomous College Affiliated to University of Mumbai)

	Wireless Communication Network	SRG/MGK	MCQ	Software demonstration & Group Discussion	
--	--------------------------------	---------	-----	---	--

**Classification and analysis of different practices used for IA July -Nov 2018**

	<b>SY</b>	<b>TY</b>	<b>LY</b>	<b>M. Tech</b>	<b>Total</b>
<b>Open Book Test</b>	1	0	1	1	3
<b>MCQ</b>	1	1	2	1	5
<b>Assignment</b>	0	2	0	1	3
<b>Surprise Test</b>	0	0	0	0	0
<b>Quiz</b>	2	4	4	0	10
<b>Case Study</b>	0	3	0	0	3
<b>Mini Project</b>	0	0	1	0	1
<b>Group Activity</b>	0	0	1	0	1
<b>Seminar</b>	0	0	1	0	1
<b>Programming Test</b>	0	0	0	1	1
<b>Lecture Note</b>	0	0	1	0	1
<b>Simulation using SEQUEL</b>	2	0	0	0	2
<b>Design Problem</b>	1	0	0	0	1
<b>Presentation using Screencast and peer reviewed</b>	0	0	1	0	1
<b>OBT using Pictoword Tool</b>	0	0	1	0	1
<b>Class test on device, Formulas and diagram</b>	0	0	1	0	1
<b>Research Paper based Power point presentations &amp; Video</b>	0	0	1	0	1
<b>Assignment on Self Learning Topics in Syllabus</b>	0	0	0	1	1

## **K. J. Somaiya College of Engineering, Mumbai-77**

(Autonomous College Affiliated to University of Mumbai)

<b>Technical Report</b>				1	1
<b>Presentation &amp; Report</b>	0	0	0	1	1
<b>Software demonstration &amp; Group Discussion</b>	0	0	0	1	1

## K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

**Academic Year 2018-19**

Class	Name of the Course	Jan -May 2019				IA4
		Name / Initials of Faculty Member	IA1	IA2	IA3	
<b>SY</b>	Electronics Circuits Analysis & Design	AYN / ISD	Assignment	Quiz		
	Control System Engineering	SND / DVJ	MCQ	MCQ		
	Industrial Electronics	SPT / SRJ / DVJ	Quiz	Assignment		
	Microprocessors and Peripherals	PVS / UJP	Programming Test	MCQ		
	Basics of Communication Engineering	BPK / NAL	MCQ	Open Book Test		
<b>TY</b>	Photovoltaic System	MSM	Assignment 1	Technical Report and Presentation	Design Problem	Assignment 2
	Machine Learning & Fuzzy System	JHN	Mini Project	Assignment	Lecture notes	
	Computer Organization	ASP	Open Book Test	Video Submission on study topic		
	Basics of VLSI Design	PRG / KRT	MCQ	Course Project		
	Instrumentation System	SRG / PVS	MCQ	Assignment		
	Power Electronics	SAH / SPT	Assignment	MCQ		
<b>LY</b>	Digital Control System	AA / AGM	Quiz 1	Quiz 2		
	Advance Networking Technology	RTD / MGM	MCQ	Case Study		
	Robotics	UPC	Assignment	Report Writing		
	Electronics Product Design and Modeling	LD	PCB Design	H/W and S/W Testing	Final Product & Documentation	
	Analog VLSI Design	AST / PRG	Assignment	Quiz		
	Mobile Communication	NAL / BPK	Open Book Test	MCQ		
<b>M.Tech</b>	Industrial System Design	UPC	Assignment	Report Writing		
	Advanced Power Electronics and Drives	MSM	Technical Report with Presentation	Assignment 1	Assignment 2	Assignment 3
	Machine Learning	JHN	Mini Project	Seminar		

**K. J. Somaiya College of Engineering, Mumbai-77**

(Autonomous College Affiliated to University of Mumbai)

**Classification and analysis of different practices used for IA Jan -May 2019**

	<b>SY</b>	<b>TY</b>	<b>LY</b>	<b>M. Tech</b>	<b>Total</b>
<b>Open Book Test</b>	1	1	1	0	3
<b>MCQ</b>	4	3	2	0	9
<b>Assignment</b>	2	5	2	4	13
<b>Quiz</b>	2	0	3	0	5
<b>Case Study</b>	0	0	1	0	1
<b>Mini Project</b>	0	1	0	1	2
<b>Seminar</b>	0	0	0	1	1
<b>Programming Test</b>	1	0	0	0	1
<b>Lecture Note</b>	0	1	0	0	1
<b>PCB Design</b>	0	0	1	0	1
<b>Design Problem</b>	0	1	0	0	1
<b>H/W and S/W Testing</b>	0	0	1	0	1
<b>Course Project</b>	0	1	0	0	1
<b>Final Product &amp; Documentation</b>	0	0	1	0	1
<b>Video Submission on study topic</b>	0	1	0	0	1
<b>Technical Report</b>	0	1	0	1	2
<b>Report Writing</b>	0	0	1	1	2



## K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

**Academic Year 2019-20**

Class	Name of the Course	July -Nov 2019				IA4
		Name / Initials of Faculty Member	IA1	IA2	IA3	
<b>SY</b>	Electrical Machines	LD/UPC	Quiz	Assignment		
	Electrical networks	AA/ABD	MCQ	MCQ		
	Basic Electronic Circuits	AYN/ISD	Assignment 1	MCQ		
	Digital Logic Design	KCS/PRG	Design Problem: Combinational Logic	Design Problem: Sequential Logic		
<b>TY</b>	Electromagnetic Engineering	SPT/ AGM	Quiz	Coding		
	Signals and Systems	SUK / BGK	Project/ Case Study	Quiz		
	Linear Integrated circuit with Design	MSM / SND	Quiz 1	Assignment		
	Digital Communication and Coding Technique	MGK/NAL	MCQ	Open Book Test		
	Management Information Systems	BPK/ MRS	Case Study	MCQ		
<b>LY</b>	Verification using System Verilog	ASP	Programming Test	Seminar		
	Embedded System Design	ASP/ SAH	Inverted Quiz	Case Study		
	Digital Image Processing	JHN	Online test (Objective Type)	Online test (Objective Type)		
	Optical Fiber Communication	UPJ	Blog Writing	Assignment		
	Power Electronics and Drives	SPT	Assignment	Technical Report Writing		
	Data Communication and Networking	SRG/RTD	MCQ	Open Book Test		
	Artificial Neural Networks and Fuzzy Systems	SRG	Mini Project Task 1	Mini Project Task 2		
<b>M.Tech</b>	Controller Design using Reconfigurable Logic	ASP / BGK	Programming Test	Case Study Presentation		

## K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

### Classification and analysis of different practices used for IA July -Nov 2019

	<b>SY</b>	<b>TY</b>	<b>LY</b>	<b>M. Tech</b>	<b>Total</b>
<b>Open Book Test</b>	0	1	1	0	2
<b>MCQ</b>	3	2	1	0	6
<b>Assignment</b>	2	1	2	0	5
<b>Quiz</b>	1	3	1	0	5
<b>Case Study</b>	0	2	1	1	4
<b>Blog Writing</b>	0	0	1	0	1
<b>Seminar</b>	0	0	1	0	1
<b>Programming Test</b>	0	0	1	1	2
<b>Coding</b>	0	1	0	0	1
<b>Online Test</b>	0	0	2	0	2
<b>Design Problem</b>	2	0	0	0	2
<b>Technical Report</b>	0	0	1	0	1
<b>Mini Project</b>	0	0	2	0	2

## K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

**Academic Year 2019-2020**

Class	Name of the Course	Jan -May 2020				
		Name / Initials of Faculty Member	IA1	IA2	IA3	IA4
SY	Electronics Circuits Analysis & Design	AYN / ISD	Assignment	Quiz		
	Control System Engineering	LD/SUK	Quiz	Quiz	Assignment	
	Communication Systems	SRG / NAL	MCQ	Case Study		
	Microprocessors and Peripherals	KCS / DVJ	Quiz	Assignment		
TY	Electric Vehicle	MSM	Assignment 1	Technical Report and Presentation	Assignment 2	Quiz
	Digital Signal Processing	JHN/BGK	Case Study			
	Computer Organization	ASP/AST	Inverted Quiz	Video Submission on study topic		
	Basics of VLSI Design	PRG / ISD	MCQ	Course Project		
	Instrumentation System	SND / MRS	MCQ	Research Paper Report		
	Power Electronics	SAH / NDM	Assignment	MCQ		
LY	Digital Control System	AA / AGM	Quiz 1	Submit Research article		
	Advance Networking Technology	RTD / BPK	Quiz	Case Study		
	Biomedical Electronics	SUK	MCQ	Report Writing		
	Multirate Signal Processing & Wavelet Transform	SAK	Quiz 1	Quiz 2	Presentation and Report Writing	
	Electronics Product Design and Modeling	UPC	MCQ	Research Paper Report		
	Analog VLSI Design	AYN / PRG	Assignment	Quiz		
	Mobile Communication	MGK	MCQ	Case Study		
M.Tech	Data Acquisition & Signal Conditioning	SAK	Quiz 1	Quiz 2	Presentation and Report Writing	
	Industrial IoT	SRG	Quiz 1	Quiz 2	Presentation	

## K. J. Somaiya College of Engineering, Mumbai-77

(Autonomous College Affiliated to University of Mumbai)

### Classification and analysis of different practices used for IA Jan -May 2020

	<b>SY</b>	<b>TY</b>	<b>LY</b>	<b>M. Tech</b>	<b>Total</b>
<b>MCQ</b>	1	3	3	0	7
<b>Assignment</b>	3	3	1	0	7
<b>Quiz</b>	4	2	5	4	11
<b>Case Study</b>	1	1	2	0	4
<b>Seminar</b>	0	0	1	0	1
<b>Research Paper Report</b>	0	1	1	0	2
<b>Research article</b>	0	0	1	0	1
<b>Course Project</b>	0	1	0	0	1
<b>Video Submission on study topic</b>	0	1	0	0	1
<b>Technical Report</b>	0	1	0	0	1
<b>Report Writing</b>	0	0	1	2	3