

**Autonomous Program Structure of  
Final Year B. Tech. E&TC  
Academic Year: 2019-2020 Onwards**

<b>Final Year B. Tech. Electronics and Telecommunication Engineering Semester – I</b>										
Course Code	Course Title	Teaching Scheme			Examination Scheme				Marks	Credits
		Hours /Week			In Semester	End Semester	Oral	Practical		
		Lecture	Tutorial	Practical						
EC 4101	VLSI Design	3	0	0	50	50	0	0	100	3
EC 4102	Computer Networks and Security	3	0	0	50	50	0	0	100	3
HS 4101	Management for Engineers	3	0	0	50	50	0	0	100	3
OE 4101	Open Elective-I	3	0	0	50	50	0	0	100	3
EC 4103	VLSI Design Lab	0	0	2	0	0	50	0	50	1
EC 4104	Project Phase-I	0	2	14	100	0	50	0	150	9
	<b>Total</b>	<b>12</b>	<b>2</b>	<b>16</b>	<b>300</b>	<b>200</b>	<b>100</b>	<b>0</b>	<b>600</b>	<b>22</b>
	<b>Grand Total</b>	<b>30</b>			<b>600</b>				<b>600</b>	<b>22</b>

**OE 4101: Open Elective I**

1. Television and Audio Engineering
2. Electronic Product Design
3. Digital Video Processing



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**DEAN ACADEMICS**  
MKSS's Cummins College  
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*[Signature]*

**Principal**  
MKSS's Cummins College of Engg.  
For Women, Karvenagar, Pune-52.

**APPROVED BY**  
Governing Body Members  
MKSS's Cummins College  
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