

**Autonomous Program Structure**  
**Second Year B. Tech. Fourth Semester**  
**(Instrumentation and Control)**  
**Academic Year: 2017-2018 Onwards**

Course Code	Course Title	Teaching Scheme			Examination Scheme				Marks	Credit
		Hours/Week			In sem	End sem	Oral			
		Lecture	Tutorial	Practical					Oral	Practical
IN2201	Sensors and Transducers II	3	1	0	50	50	0	0	100	4
IN2202	Electronic Instrumentation & System Design	3	1	0	50	50	0	0	100	4
IN2203	Analytical Instrumentation	3	0	0	50	50	0	0	100	3
IN2204	Control Systems I	3	1	0	50	50	0	0	100	4
HS2201	Principles and Practices of Management	3	0	0	50	50	0	0	100	3
IN2205	Sensors and Transducers II lab	0	0	2	0	0	0	25	25	1
IN2206	Electronic Instrumentation & System Design lab	0	0	2	0	0	0	25	25	1
IN2208	Analytical Instrumentation	0	0	2	25	0	0	0	25	1
IN2209	*Lab Practice I	0	0	2	25	0	0	0	25	1
AC2201	Self-Expression	0	0	2	0	0	0	0	0	No Credits
<b>Total</b>		<b>15</b>	<b>3</b>	<b>10</b>	<b>300</b>	<b>250</b>	<b>0</b>	<b>50</b>	<b>600</b>	<b>22</b>
<b>Grand Total</b>		<b>28</b>			<b>600</b>				<b>600</b>	<b>22</b>

\*IN2209 - Lab Practice I: Practical based on Circuit Theory and Applied Biology should be conducted.  
 AC2201 - Audit Course: Self Expression

1. Art and Craft
2. Basic Photography
3. Contemporary Dance
4. Film Appreciation
5. English Communication
6. Theatre

**DEAN ACADEMICS**  
 MKSS's Cummins College  
 of Engineering for Women  
 Karvenagar, Pune-411052

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

*feh*  
**APPROVED BY**  
 Governing Body Members  
 MKSS's Cummins College  
 of Engineering for Women  
 Karvenagar, Pune-411052