

Avinashilingam Institute for Home Science and Higher Education for Women
Coimbatore – 641043
School of Engineering
Conceptual Framework of Curriculum
Integrated Programme – M.Tech. Degree
For the students admitted from 2020-2021 & onwards

S.No	Semester	Course/Components	Hours of Instruction/ week/ Course	No. of Courses	Credit/ Course	Total Credits
I		Part-I Humanities and Social Sciences (HS) (Humanities, Social Sciences and Management)				
	1-7	<ul style="list-style-type: none"> • Theory • Practical • Theory + Practical 	3 2 1+2	2 1 1	3 1 2	9
II		Part-II Basic Sciences (BS)				
	1-4	<ul style="list-style-type: none"> • Theory • Practical • Theory + Tutorial/Practical 	- 3 3+1/0	- 2 6	- 1.5 4	27
III		Part-III Core Courses				
	1-4	a) Engineering Sciences (ES)				
		<ul style="list-style-type: none"> • Theory • Practical • Theory + Tutorial • Theory+ Practical 	3 2 3+1 1/2+4/2	1 2 2 2+1	3 1 4 3	22
	3-9	b) Professional Core (PC)				
		<ul style="list-style-type: none"> • Theory • Practical • Theory + Tutorial • Theory + Practical 	3/4 3 3+1 3+2	13+4 8/4 4 1	3/4 1.5/2 4 4	95
	End of 4/6	c) *Industrial Internship	-	1	1	1
	End of 8	d) * Industrial Internship-I	-	1	2	2
	End of 6	e) Mini Project	4	1	2	2
	7	f) Minor Project- Phase I	4	1	2	2
	8	g) Minor Project -Phase II	8	1	4	4
	8	h) Seminar-I	1	1	1	1
	9	i) Major Project- Phase I	20	1	10	28
	10	j) Major Project- Phase II	36	1	18	
	10	k) Seminar-II	-	1	2	2
	5-9	Part-III Professional Electives (PE)				
		a. PE1/PE2				
		<ul style="list-style-type: none"> • Theory 	3/4	7/2	3/4	29
	6-8	Part-III Open Electives (OE)				
		<ul style="list-style-type: none"> • Theory 	3	2	3	6
Total (Part I+II+III)						230
	3-9	<ul style="list-style-type: none"> • # MOOC 	-	2	2	4
Total						234

* Industrial Internship during summer vacation, # Any 2 courses by MOOC from SWAYAM (NPTEL)

Total credits required to earn Integrated M.E Degree: 234 credits