

**Avinashilingam Institute for Home Science and Higher Education for Women**  
**Coimbatore – 641043**  
**School of Engineering**  
**Conceptual Framework of Curriculum (Model VII)**  
**UG Programmes – BE Degree**  
**For the students admitted from 2018-2019 & onwards**

S.No	Semester	Course/Components	Hours of Instruction/ week/ Course	No. of Courses	Credit/ Course	Total Credits
I	1-7	<b>Part-I Humanities and Social Sciences (HS)</b> (Humanities, Social Sciences and Management)				
		<ul style="list-style-type: none"> <li>• Theory</li> <li>• Theory + Practical</li> </ul>	2/3 3/4	1-3 1-2	2/3 2/3	<b>6 - 12</b>
II	1-4	<b>Part-II Basic Sciences (BS)</b>				
		<ul style="list-style-type: none"> <li>• Theory + Tutorial</li> <li>• Practical</li> </ul>	4 3	5/6 2	4 1.5	<b>23 - 27</b>
III	1-4	<b>Part-III Core Courses</b> <b>a) Engineering Sciences (ES)</b>				
		<ul style="list-style-type: none"> <li>• Theory</li> <li>• Practical</li> <li>• Theory + Tutorial</li> <li>• Theory + Practical</li> </ul>	2/3/4 2/3 4/5 0/4/5	1/2/4 1-3 2/3 0-3	2/3/4 1/1.5 3/4 0/3/4	<b>22 - 29.5</b>
		<b>Professional Core (PC)</b>				
		<ul style="list-style-type: none"> <li>• Theory</li> <li>• Practical</li> <li>• Theory + Tutorial</li> <li>• Theory + Practical</li> </ul>	2/3/4 3 0/3/4/5 0/4/5	5-17 5-8 0-7 0-4	2/3/4 1.5 0/3/4 0/3/3.5/4	<b>61.5 - 70</b>
	End of 4/6	<b>b) *Industrial Internship</b>	-	1	1	<b>1</b>
	7	<b>**Hospital Internship</b>	6	1	3	<b>3</b>
	End of 6	<b>c) Mini Project</b>	-	1	2	<b>2</b>
	7	<b>e) Project Work I</b>	4	1	2	<b>12</b>
	8	<b>f) Project Work II &amp; Dissertation</b>	20	1	10	
	8	<b>g) Seminar</b>	1	1	1	<b>1</b>
	1-8	<b>h) MOOC</b>	-	1	2	<b>2</b>
	5-8	<b>Part-III Professional Electives (PE)</b> <b>a. PE1-PE6</b>				
		<ul style="list-style-type: none"> <li>• Theory</li> </ul>	3	6/8	3	<b>18-24</b>
	6-8	<b>Part-III Open Electives (OE)</b>				
	<ul style="list-style-type: none"> <li>• Theory</li> </ul>	3	4	3	<b>12</b>	
<b>Total (Part I+II+III)</b>						<b>175</b>

\* 6 to 8 weeks Industrial Internship during 4<sup>th</sup> and/or 6<sup>th</sup> semester summer vacation

\*\* Hospital Internship for BMIE only

# Other Courses to be undergone by the Students: MOOC Course - 2 Credits

**Total credits required to earn B.E. Degree: 175 credits**

<i>Semester</i>	<i>Course Code</i>	<i>Name of Course/component</i>	<i>Hours of Instruction/ week / Course</i>	<i>Credit/ Course</i>
<b>Part – IV Non-Credit Mandatory Courses (NCMC)</b>				
<b>A. Ability Enhancement Courses</b>				
<b>I. Ability Enhancement Compulsory Courses (AECC)</b>				
1	18BEMC01	Environmental Science	3	Remarks
2	18BEMC02	Constitution of India	3	
3	18BEMC03	Consumer Affairs	3	
4	18BECS01	Communication Skills	3	
5	18BESS01	Soft Skills	3	
7	18BEMC04	Disaster Management	3	
7		Computer Based Test (CBT)	-	
<b>II. Skill Enhancement Courses (SEC)</b>				
3		<b>Value Added Course</b> (from a basket of choices offered)	40 hrs. duration	Remarks
6		<b>Co-Curricular Courses</b> Add on Certificate/ Quantitative Aptitude / Certificate Courses – Gandhian Studies / Women’s Studies / Ambedkar Studies / GK / Verbal and Non-Verbal Reasoning/ others as per	Varied duration	
<b>B. Extra-Curricular Courses</b>				
1-6	18BENCC 1-6/ 18BENSS 1-6/ 18BESPO 1-6	<b>NCC/NSS/Sports</b> (Representing the Institute)	-	Remarks

**Total credits required to earn the degree**

Part I, II & III components: 175 and successful completion of Non-Credit Mandatory Courses

**Other Courses to be undergone by the students:**

MOOC Course - 2 Credits