

**BVM Engineering College (An Autonomous Institution)****Production Engineering Department****B. Tech.( Production Engineering)****Semester 1**

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	<a href="#">BS111*</a>	<a href="#">Advanced Calculus</a>	3	1	0	4	4
2	<a href="#">BS103</a>	<a href="#">Physics</a>	3	0	2	5	4
3	<a href="#">ES102</a>	<a href="#">Electronics Workshop</a>	0	0	2	2	1
4	<a href="#">ES103</a>	<a href="#">Basic Electrical Engineering</a>	3	0	2	5	4
5	<a href="#">ES113</a>	<a href="#">Workshop Practices - I</a>	0	0	4	4	2
6	<a href="#">HS112\$</a>	<a href="#">Environmental Science</a>	2	0	0	2	0
<b>Total</b>			<b>11</b>	<b>1</b>	<b>10</b>	<b>22</b>	<b>15</b>

\*For Students admitted in AY 2018-19, [BS101](#) (LTP:3,2,0)

\$For Students admitted in AY 2018-19, [HS102](#) (LTP:2,2,0)

**Semester 2**

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	<a href="#">BS112#</a>	<a href="#">Linear Algebra &amp; Fourier Series</a>	3	1	0	4	4
2	<a href="#">ES106</a>	<a href="#">Programming for Engineers</a>	1	0	4	5	3
3	<a href="#">ES109</a>	<a href="#">Engineering Graphics &amp; Design</a>	2	0	4	6	4
4	<a href="#">ES110</a>	<a href="#">Basic Mechanical Engineering</a>	3	0	2	5	4
5	<a href="#">ES114</a>	<a href="#">Workshop Practices - II</a>	0	0	2	2	1
6	<a href="#">HS101</a>	<a href="#">English</a>	2	0	2	4	3
<b>Total</b>			<b>11</b>	<b>1</b>	<b>14</b>	<b>26</b>	<b>19</b>

# For Students admitted in AY 2018-19, [BS102](#) (LTP:3,2,0)

### Semester 3

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	<a href="#">2BS02</a>	<a href="#">Differential Equations and Statistics</a>	3	1	0	4	4
2	<a href="#">2PE01</a>	<a href="#">Materials Science &amp; Physical Metallurgy</a>	3	0	2	5	4
3	<a href="#">2ES03</a>	<a href="#">Mechanics of Solids</a>	3	0	2	5	4
4	<a href="#">2HS02</a>	<a href="#">Economics &amp; Management</a>	3	0	0	3	3
5	<a href="#">2PE02</a>	<a href="#">Engineering Thermodynamics and Heat Transfer</a>	3	1	0	4	4
6	<a href="#">2PE03</a>	<a href="#">Dimensional Metrology</a>	2	0	4	6	4
<b>Total</b>			<b>17</b>	<b>2</b>	<b>8</b>	<b>27</b>	<b>23</b>

### Semester 4

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	<a href="#">2PE04</a>	<a href="#">Machining Processes</a>	3	0	2	5	4
2	<a href="#">2PE05</a>	<a href="#">Kinematics and Dynamics of Machines</a>	3	0	2	5	4
3	<a href="#">2BS05</a>	<a href="#">Numerical Methods in Manufacturing</a>	3	0	2	5	4
4	<a href="#">2PE06</a>	<a href="#">Fluid Mechanics</a>	3	0	2	5	4
5	<a href="#">2PE07</a>	<a href="#">Casting Technology</a>	2	0	2	4	3
6	<a href="#">2HS01</a>	<a href="#">Professional Soft Skills</a>	1	0	2	3	2
<b>Total</b>			<b>15</b>	<b>0</b>	<b>12</b>	<b>27</b>	<b>21</b>

PEIT1	Summer Internship - I (Three Weeks)	-	-	-	-	0
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### Semester 5

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	3PE01	Design of Machine Elements	3	0	2	5	4
2	3PE02	Welding Technology	2	0	2	4	3
3	3PE03	Computer Aided Design	3	0	2	5	4
4	3PE04	Metal Forming Processes	3	0	2	5	4
5		Open Elective - I	3	0	0	3	3
6		Program Elective -I	3	0	2	5	4
<b>Total</b>			<b>17</b>	<b>0</b>	<b>10</b>	<b>27</b>	<b>22</b>

### Open Elective - I

1	3PE81	Principles Of Supply Chain Management	3	0	0	3	3
2	3PE82	Industrial Internet Of Things	3	0	0	3	3

### Program Elective - I

1	3PE41	Reliability, Maintenance & Safety Engineering	3	0	2	5	4
2	3PE42	Project Management	3	0	2	5	4
3	3PE43	Industrial Automation	3	0	2	5	4

### Semester 6

Sr. No.	Course Code	Name of Course	L	T	P	H	C
1	3PE05	Computer Aided Manufacturing	3	0	2	5	4
2	3PE06	Tool Engineering	3	0	2	5	4
3	3HS01	Ethics & Constitution of India	2	0	0	2	0
4		Open Elective - II	3	0	2	5	4
5		Programme Elective - II	3	0	2	5	4
6		Programme Elective - III	3	0	2	5	4
<b>Total</b>			<b>17</b>	<b>0</b>	<b>10</b>	<b>27</b>	<b>20</b>

### Open Elective - II

1	3PE83	Managing Projects	3	0	2	5	4
2	3PE84	Additive Manufacturing	3	0	2	5	4

<b>Program Elective - II</b>							
1	3PE44	Design of Machine Tools	3	0	2	5	4
2	3PE45	Non-conventional Manufacturing Processes	3	0	2	5	4
3	3PE46	Finite Element Analysis	3	0	2	5	4
<b>Program Elective -III</b>							
1	3PE47	Lean & Agile Manufacturing	3	0	2	5	4
2	3PE48	Industrial Robotics	3	0	2	5	4
3	3PE49	Logistics & Supply Chain Management	3	0	2	5	4
PEIT2 Summer Internship-II (Three Weeks)			-	-	-	-	0

<b>Semester 7</b>							
<b>Sr. No.</b>	<b>Course Code</b>	<b>Name of Course</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>H</b>	<b>C</b>
1	4PE01	Operation Research	3	0	2	5	4
2	4PE02	Production & Operations Management	3	1	0	4	4
3	4PE03	Quality Management	3	0	2	5	4
4	4PE04	Industrial Engineering	3	0	2	5	4
5		Program Elective – IV	2	0	2	4	3
6		Program Elective - V	2	0	2	4	3
<b>Total</b>			<b>16</b>	<b>1</b>	<b>10</b>	<b>27</b>	<b>22</b>

<b>Program Elective - IV</b>							
1	4PE41	Allied Manufacturing Processes	2	0	2	4	3
2	4PE42	Computational Fluid Dynamics	2	0	2	4	3
3	4PE43	Rapid Prototyping and Additive Manufacturing	2	0	2	4	3

<b>Program Elective - V</b>							
1	4PE44	Entrepreneurship Development	2	0	2	4	3
2	4PE45	Product Design & Development	2	0	2	4	3
3	4PE46	Flexible Manufacturing Systems	2	0	2	4	3
4	4PE47	Industry 4.0	2	0	2	4	3

### Semester 8

1	4PE31	Project	0	0	30	30	15
<b>Total</b>			<b>0</b>	<b>0</b>	<b>30</b>	<b>30</b>	<b>15</b>
<b>Total Credits Distribution</b>			<b>104</b>	<b>5</b>	<b>104</b>	<b>214</b>	<b>157</b>