



**PRATHYUSHA ENGINEERING COLLEGE**  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**  
**ACADEMIC YEAR 2017-18**  
**LIST OF COURSES**

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	L	T	P	C
I	1.	HS8151	Communicative English	HS	4	0	0	4
I	2.	MA8151	Engineering Maths I	BS	4	0	0	4
I	3.	PH8151	Engineering Physics	BS	3	0	0	3
I	4.	CY8151	Engineering Chemistry	BS	3	0	0	3
I	5.	GE8151	Problem Solving and Python Programming	ES	3	0	0	3
I	6.	GE8152	Engineering Graphics	ES	2	0	4	4
I	7.	GE8161	Problem Solving and Python Programming	ES	0	0	4	2
I	8.	BS8161	Physics and Chemistry Laboratory	BS	0	0	4	2
<b>TOTAL</b>					<b>19</b>	<b>0</b>	<b>12</b>	<b>25</b>
<b>SEMESTER II</b>								
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE		L	T	P	C
II	1.	HS8251	Technical English	HS	4	0	0	4
II	2.	MA8251	Engineering Mathematics – II	BS	4	0	0	4
II	3.	PH8252	Physics for Information Science	BS	3	0	0	3
II	4.	BE8255	BEEE	ES	3	0	0	3
II	5.	GE8251	Environmental Science and Engineering	HS	3	0	0	3
II	6.	CS8251	Programming in C	PC	3	0	0	3
II	7.	GE8261	Engineering Practices Lab	ES	0	0	4	2
II	8.	CS8261	C Programming Laboratory	PC	0	0	4	2
<b>TOTAL</b>					<b>20</b>	<b>0</b>	<b>8</b>	<b>24</b>
<b>SEMESTER III</b>								
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE		L	T	P	C
III	1.	MA6351	Transforms and Partial Differential Equations		3	1	0	4
III	2.	CS6301	Programming and Data Structure II		3	0	0	3
III	3.	CS6302	Database Management Systems		3	0	0	3
III	4.	CS6303	Computer Architecture		3	0	0	3
III	5.	CS6304	Analog and Digital Communication		3	0	0	3
III	6.	GE6351	Environmental Science and Engineering		3	0	0	3
III	7.	CS6311	Programming and Data Structure Laboratory I		0	0	3	2
III	8.	CS6312	Database Management Systems Laboratory		0	0	3	2
<b>TOTAL</b>					<b>18</b>	<b>1</b>	<b>6</b>	<b>23</b>
<b>SEMESTER IV</b>								
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE		L	T	P	C
IV	1.	MA6453	Probability and Queueing Theory		3	1	0	4
IV	2.	CS6551	Computer Networks		3	0	0	3
IV	3.	CS6401	Operating Systems		3	0	0	3
IV	4.	CS6402	Design and Analysis of Algorithms		3	0	0	3
IV	5.	EC6504	Microprocessor and Microcontroller		3	0	0	3
IV	6.	CS6403	Software Engineering		3	0	0	3
IV	7.	CS6411	Networks Laboratory		0	0	3	2
IV	8.	CS6412	Microprocessor and Microcontroller Laboratory		0	0	3	2
IV	9.	CS6413	Operating Systems Laboratory		0	0	3	2
<b>TOTAL</b>					<b>18</b>	<b>1</b>	<b>9</b>	<b>25</b>

SEMESTER V					L	T	P	C
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE					
V	1.	MA6566	Discrete Mathematics		3	1	0	4
V	2.	CS6501	Internet Programming		3	1	0	4
V	3.	CS6502	Object Oriented Analysis and Design		3	0	0	3
V	4.	CS6503	Theory of Computation		3	0	0	3
V	5.	CS6504	Computer Graphics		0	0	3	2
V	6.	CS6511	Case Tools Laboratory		0	0	3	2
V	7.	CS6512	Internet Programming Laboratory		0	0	3	2
V	8.	CS6513	Computer Graphics Laboratory		0	0	3	2
<b>TOTAL</b>					<b>15</b>	<b>2</b>	<b>9</b>	<b>23</b>

SEMESTER VI					L	T	P	C
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE					
VI	1.	CS6601	Distributed Systems		3	0	0	3
VI	2.	IT6601	Mobile Computing		3	0	0	3
VI	3.	CS6660	Compiler Design		3	1	0	4
VI	4.	IT6502	Digital Signal Processing		3	0	0	3
VI	5.	CS6659	Artificial Intelligence		3	0	0	3
VI	6.	GE6757	Elective 1: Total Quality Management		0	0	3	2
VI	7.	CS6611	Mobile Application Development Laboratory		0	0	3	2
VI	8.	CS6612	Compiler Laboratory		0	0	4	2
VI	9.	GE6674	Communication and Soft Skills - Laboratory Based		0	0	4	2
<b>TOTAL</b>					<b>18</b>	<b>1</b>	<b>10</b>	<b>25</b>

					L	T	P	C
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE					
VII	1.	CS6701	Cryptography and Network Security		3	0	0	3
VII	2.	CS6702	Graph Theory and Applications		3	0	0	3
VII	3.	CS6703	Grid and Cloud Computing		3	0	0	3
VII	4.	CS6704	Resource Management Techniques		3	0	0	3
VII	5.	IT6801	Elective II: Service Oriented Architecture		3	0	0	3
VII	6.	CS6007	Elective III: Information Retrieval		0	0	3	2
VII	7.	CS6711	Security Laboratory		0	0	3	2
VII	8.	CS6712	Grid and Cloud Computing Laboratory		0	0	3	2
<b>TOTAL</b>					<b>18</b>	<b>0</b>	<b>6</b>	<b>22</b>

SEMESTER VIII					L	T	P	C
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE					
VIII	1.	CS6801	Multicore Architecture and Programming		3	0	0	3
VIII	2.	CS6008	Elective IV: Human Computer Interaction		3	0	0	3
VIII	3.	GE6075	Elective V: Professional Ethics		3	0	0	3
VIII	4.	CS2451	Project Work		0	0	12	6
<b>TOTAL</b>					<b>9</b>	<b>0</b>	<b>12</b>	<b>15</b>

TOTAL NO OF CREDITS: 182

HOD,CSE

PRINCIPAL

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