

## Department of Civil Engineering

K S R M College of Engineering (Autonomous), K A D A P A – 516 003

### Proposed Curriculum for R – 15 Batch

#### 3<sup>rd</sup> Semester

Subject Code	Subject Category	Subject Title	L	T	P	IM	EM	CR
1521302	BS	Probability and Statistics	3	1	0	30	70	3
1501301	ED	Engineering Mechanics	3	1	0	30	70	3
1501303	PJ	Surveying – 1	3	1	0	30	70	3
1501304	PJ	Building Materials	3	1	0	30	70	3
1501305	PJ	Fluid Mechanics	3	1	0	30	70	3
1501306	PJ	Engineering Geology	3	1	0	30	70	3
1501307	PJ	Surveying Field Work – 1	0	0	3	50	50	2
1501308	PJ	Engineering Geology Laboratory	0	0	3	50	50	2
<b>Total</b>			<b>18</b>	<b>6</b>	<b>6</b>	<b>280</b>	<b>520</b>	<b>22</b>

#### 4<sup>th</sup> Semester

Subject Code	Subject Category	Subject Title	L	T	P	IM	EM	CR
1502401	PN	Basic Electrical & Electronics Engineering	3	1	0	30	70	3
1501402	PJ	Mechanics of Materials – 1	3	1	0	30	70	3
1501403	PJ	Surveying – 2	3	1	0	30	70	3
1501404	PJ	Building Construction	3	1	0	30	70	3
1501405	PJ	Hydraulic Machinery	3	1	0	30	70	3
1501406	PJ	Geo-Technical Engineering – 1	3	1	0	30	70	3
1501407	PJ	Surveying Field Work – 2	0	0	3	50	50	2
1501408	PJ	Fluid Mechanics & Hydraulic Machinery Lab	0	0	3	50	50	2
1501409	PN	Basic Electrical and Electronics Engineering Lab	0	0	3	-	-	-
<b>Total</b>			<b>18</b>	<b>6</b>	<b>9</b>	<b>280</b>	<b>520</b>	<b>22</b>

#### 5<sup>th</sup> Semester

Subject Code	Subject Category	Subject Title	L	T	P	IM	EM	CR
1501501	PJ	Mechanics of Materials - 2	3	1	0	30	70	3
1501502	PJ	Geo-Technical Engineering - 2	3	1	0	30	70	3
1501503	PJ	Hydrology	3	1	0	30	70	3
1501504	PJ	Concrete Technology	3	1	0	30	70	3
1501505	PJ	Water Supply Engineering	3	1	0	30	70	3
1501506	PN	<b>Elective – 1 (Non-Core)</b>						
1501507		Introduction to Java Programming	3	1	0	30	70	3
1501508		Operation Research						
1501509	PJ	Entrepreneurship						
1501509	PJ	Strength of Materials Laboratory	0	0	3	50	50	2
1501510	PJ	Geo-Technical Engineering Laboratory	0	0	3	50	50	2
<b>Total</b>			<b>18</b>	<b>6</b>	<b>6</b>	<b>280</b>	<b>520</b>	<b>22</b>

### 6<sup>th</sup> Semester

Subject Code	Subject Category	Subject Title	L	T	P	IM	EM	CR
1525601	HS	Managerial Economics & Financial Analysis	3	1	0	30	70	3
1501602	PJ	Structural Analysis – 1	3	1	0	30	70	3
1501603	PJ	Design & Detailing of Reinforced Concrete Structures – 1	3	1	0	30	70	3
1501604	PJ	Water Resources Engineering – 1	3	1	0	30	70	3
1501605	PJ	Transportation Engineering - 1	3	1	0	30	70	3
1501606	PJ	<b>Elective – 2 (Core)</b> Remote Sensing and GIS	3	1	0	30	70	3
1501607		Watershed and River Basin Management						
1501608		Civil Engineering Professional Practice						
1501609	PJ	Environmental Engineering Laboratory	0	0	3	50	50	2
1501610	PJ	Computer Aided Building Drawing Lab	0	0	3	50	50	2
<b>Total</b>			<b>18</b>	<b>6</b>	<b>6</b>	<b>280</b>	<b>520</b>	<b>22</b>

### 7<sup>th</sup> Semester

Subject Code	Subject Category	Subject Title	L	T	P	IM	EM	CR
1501701	PJ	Structural Analysis – 2	3	1	0	30	70	3
1501702	PJ	Design & Detailing of Reinforced Concrete Structures – 2	3	1	0	30	70	3
1501703	PJ	Design & Detailing of Steel Structures	3	1	0	30	70	3
1501704	PJ	Transportation Engineering - 2	3	1	0	30	70	3
1501705	PJ	Water Resources Engineering – 2	3	1	0	30	70	3
1501706	PJ	<b>Elective – 3 (Core)</b> Pre-stressed Concrete	3	1	0	30	70	3
1501707		Advanced Foundation Engineering						
1501708		Construction Planning & Management						
1501709	PJ	Concrete & Highway Materials Laboratory	0	0	3	50	50	2
1501710	PJ	CADD Lab	0	0	3	50	50	2
<b>Total</b>			<b>18</b>	<b>6</b>	<b>6</b>	<b>280</b>	<b>520</b>	<b>22</b>

### 8<sup>th</sup> Semester

Subject Code	Subject Category	Subject Title	L	T	P	IM	EM	CR
1501801	PJ	Sanitary Engineering	3	1	0	30	70	3
1501802	PJ	Design & Drawing of Irrigation Structures	3	1	0	30	70	3
1501803	PJ	Quantity Surveying and Valuation	3	1	0	30	70	3
1501804	PJ	<b>Elective – 4 (Core)</b> Finite Element Method	3	1	0	30	70	3
1501805		Environmental Impact Assessment						
1501806		Bridge Engineering						
1501807	PJ	Seminar	0	0	0	50	50	3
1501808	PJ	Project Work	0	0	0	50	50	10
<b>Total</b>			<b>12</b>	<b>4</b>	<b>0</b>	<b>220</b>	<b>380</b>	<b>25</b>