



# SOLAPUR UNIVERSITY, SOLAPUR

## Faculty of Engineering & Technology (Revised from 2013-2014)

Credit System structure of S.E. Electrical Engineering W.E.F. 2015-2016 Semester I

S.E.  
New [CGPA]

Theory Course Name	Hrs./week			Credits	Examination Scheme				
	L	T	P		ISE	ESE	ICA	Total	
Engineering Mathematics – III	4	1	-	5	30	70	25	125	
Electrical Machines-I	4	-	-	4	30	70	-	100	
Electronic Devices and Circuits	4	-	-	4	30	70	-	100	
Electrical Measurement and Instrumentation	4	-	-	4	30	70	-	100	
Power Plant Engineering	3	1	-	4	30	70	25	125	
<b>Sub Total</b>	<b>19</b>	<b>2</b>	<b>-</b>	<b>21</b>	<b>150</b>	<b>350</b>	<b>50</b>	<b>550</b>	
<b>Laboratory</b>									
Electrical Machines-I	-	-	2	1	-	50	-	25	75
Electronic Devices and Circuits	-	-	2	1	-	-	-	25	25
Electrical Measurement and Instrumentation	--	--	2	1	--	50	--	25	75
Electrical Programming	1	-	2	2	-	-	-	25	25
<b>Sub Total</b>	<b>1</b>	<b>-</b>	<b>08</b>	<b>05</b>	<b>-</b>	<b>100</b>	<b>100</b>	<b>200</b>	
<b>Grand Total</b>	<b>20</b>	<b>2</b>	<b>08</b>	<b>26</b>	<b>150</b>	<b>450</b>	<b>150</b>	<b>750</b>	

**Note:** Abbreviations: L- Lectures, P –Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment  
ESE - University Examination (Theory &/ POE &/Oral examination)

**Note:** Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.



SOLAPUR UNIVERSITY, SOLAPUR

Faculty of Engineering & Technology (Revised from 2013-2014)

Credit System structure of S.E. Electrical Engineering W.E.F. 2015-2016 Semester II

S.E.  
New [C9117]

Theory Course Name	Hrs./week			Credits	Examination Scheme			
	L	T	P		ISE	ESE	ICA	Total
Numerical Methods & Computer Programming	3	-	-	3	30	70	-	100
Electrical Machines-II	4	-	-	4	30	70	-	100
Elements of Power System	4	-	-	4	30	70	-	100
Analog & Digital Integrated System	4	-	-	4	30	70	-	100
Network Analysis	4	-	-	4	30	70	-	100
<b>Sub Total</b>	<b>19</b>	<b>0</b>	<b>-</b>	<b>19</b>	<b>150</b>	<b>350</b>	<b>-</b>	<b>500</b>
<b>Laboratory/Workshop</b>								
Numerical Methods & Computer Programming	-	-	2	1	-	-	25	25
Electrical Machines-II	-	-	2	1	-	50	25	75
Elements of Power System	-	1	-	1	-	25	25	50
Analog & Digital Integrated System	-	-	2	1	-	-	25	25
Network Analysis	-	-	2	1	-	-	25	25
Electrical Software Simulation Tools	-	-	2	1	-	-	25	25
<b>Sub Total</b>	<b>-</b>	<b>0</b>	<b>10</b>	<b>5</b>	<b>-</b>	<b>100</b>	<b>150</b>	<b>250</b>
<b>Grand Total</b>	<b>19</b>	<b>1</b>	<b>10</b>	<b>25</b>	<b>150</b>	<b>450</b>	<b>300</b>	<b>750</b>

Note: Abbreviations: L- Lectures, P- Practical, T- Tutorial, ISE- In Semester Exam., ESE- End Semester Exam, ICA- Internal Continuous Assessment  
 ESE - University Examination (Theory &/ POE &/Oral examination)

Note: Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

Note -

- Batch size for the practical/tutorial shall be of 20 students. On forming the batches, if the strength of remaining students exceeds 9, then a new batch shall be formed.
- Vocational Training (evaluated at B.E. Part-I) of minimum 15 days shall be completed in any vacation after S.E. Part-II but before B.E. Part-I & the report shall be submitted and evaluated in B.E. Part-I
- Appropriate Elective I & II Subjects may be added when required.
- Student shall select one Self Learning Module at T.E. Part I and T.E. Part II each from Technical and Humanities and Social Sciences Group with at least one Self Learning Module from the Humanities and Social Sciences Group
- Curriculum for Humanities and Social Sciences Self Learning Modules is common for all under graduate programmes of faculty of Engineering and Technology
- Term work assessment shall be a continuous process based on student's performance in - class tests, assignments, homework, subject seminars, quizzes, laboratory books and their interaction and attendance for theory and lab sessions as applicable





**SOLAPUR UNIVERSITY, SOLAPUR**  
**Faculty of Engineering & Technology (Revised from 2013-2014)**

*Credit System structure of S.E. Electrical & Electronics Engineering W.E.F. 2015-2016 Semester I*

S.E.  
New  
[CGPA]

Theory Course Name	Hrs./week			Credits	Examination Scheme				
	L	T	P		ISE	ESE	ICA	Total	
Engineering Mathematics – III	3	1	-	4	30	70	25	125	
D.C. Machines and Transformers	3	-	-	3	30	70	-	100	
Electrical Networks	4	-	-	4	30	70	-	100	
Analog Electronics	3	-	-	3	30	70	-	100	
Electrical power Generation	3	-	-	3	30	70	-	100	
Computer Programming	2	-	-	2	-	-	-	-	
<b>Sub Total</b>	<b>18</b>	<b>1</b>	<b>-</b>	<b>19</b>	<b>150</b>	<b>350</b>	<b>25</b>	<b>525</b>	
<b>Laboratory</b>									
D.C. Machines and Transformers	-	-	2	1	-	50	-	25	75
Electrical Networks	-	1	2	3	-	25	25	50	
Analog Electronics	--	--	2	1	--	50	--	25	75
Electrical power Generation	-	-	-	-	-	-	-	25	25
Computer Programming	--	-	2	1	-	--	-	25	25
Electrical & Electronics workshop-I	--	-	2	1	-	-	-	25	25
<b>Sub Total</b>	<b>--</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>-</b>	<b>125</b>	<b>150</b>	<b>275</b>	
<b>Grand Total</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>25</b>	<b>150</b>	<b>475</b>	<b>175</b>	<b>800</b>	

Note: Abbreviations: L- Lectures, P-Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment  
 ESE - University Examination (Theory &/ POE &/Oral examination)

Note: 1) \*- Practical and Oral Examination of Electronics Circuit Analysis and Design - I includes some of the practical from Network Theory and Analysis  
 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.



**SOLAPUR UNIVERSITY, SOLAPUR**  
**Faculty of Engineering & Technology (Revised from 2013-2014)**

S.E.  
New [CG, PM]

*Credit System structure of S.E. Electrical & Electronics Engineering W.E.F. 2015-2016 Semester II*

Theory Course Name	Hrs./week			Credits	Examination Scheme				
	L	T	P		ISE	ESE	ICA	Total	
Linear Algebra	3	1	-	4	30	70	25	125	
A.C. Machines	4	-	-	4	30	70	-	100	
Electrical & Electronic Measurements	4	-	-	4	30	70	-	100	
Signals and Systems	4	1	-	5	30	70	25	125	
Digital Techniques	4	-	-	4	30	70	-	100	
Electrical & Electronics workshop-II	1	-	-	1	-	-	-	-	
<b>Sub Total</b>	<b>20</b>	<b>2</b>	<b>-</b>	<b>22</b>	<b>150</b>	<b>350</b>	<b>50</b>	<b>550</b>	
<b>Laboratory/Workshop</b>									
A.C. Machines	-	-	2	1	-	50	-	25	75
Electrical & Electronic Measurements	-	-	2	1	-	-	25	25	50
Digital Techniques	-	-	2	1	-	50	-	25	75
Electrical & Electronics workshop-II	-	-	2	1	-	-	-	50	50
<b>Sub Total</b>	<b>-</b>	<b>-</b>	<b>8</b>	<b>5</b>	<b>--</b>	<b>125</b>	<b>--</b>	<b>125</b>	<b>250</b>
<b>Grand Total</b>	<b>20</b>	<b>2</b>	<b>8</b>	<b>25</b>	<b>150</b>	<b>475</b>	<b>175</b>	<b>800</b>	

Note: Abbreviations: L- Lectures, P-Practical, T- Tutorial, ISE- In Semester Exam, ESE- End Semester Exam, ICA- Internal Continuous Assessment  
 ESE - University Examination (Theory &/ POE &/Oral examination)

Note: 1) \$- Practical and Oral Examination of Electronics Circuit Analysis and Design – II includes some of the simulation practical from Electronic Software Lab-I  
 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

Note -

- \* Practical and Oral Examination of Electronic Circuit Analysis & Design-I is combined with Circuits And Networks
- \$ Practical and Oral Examination for Electronic Circuit Analysis & Design – II and Electronic Software Lab-I is combined
- Batch size for the practical /tutorial shall be of 20 students. On forming the batches, if the strength of remaining students exceeds 9, then a new batch shall be formed.



**SOLAPUR UNIVERSITY, SOLAPUR**  
**Faculty of Engineering & Technology (Revised from 2013-2014)**

S.E.  
New [CGPM]


*Credit System structure of S.E. Electronics Engineering W.E.F. 2015-2016*

*Semester I*

Theory Course Name	Hrs./week			Credits	Examination Scheme			Total	
	L	T	P		ISE	ESE	ICA		
Engineering Mathematics – III	3	1	-	4	30	70	25	125	
Electronics Circuit Analysis and Design-I	4	-	-	4	30	70	-	100	
Network Theory and Analysis	4	-	-	4	30	70	-	100	
Digital Logic Design	4	-	-	4	30	70	-	100	
Data Structures	3	-	-	3	30	70	-	100	
Sub Total	18	1	-	19	150	350	25	525	
<b>Laboratory</b>									
Electronics Circuit Analysis and Design-I	-	-	2	1	-	50*	-	25	75
Network Theory and Analysis	-	-	2	1	-	-	-	25	25
Digital Logic Design	-	-	2	1	-	25	-	25	50
Data Structures	-	-	2	1	-	50	-	25	75
Electronic Workshop	-	1	2	2	-	-	-	50	50
Sub Total	-	1	10	6	-	125	150	275	275
Grand Total	18	2	10	25	150	475	175	800	

Abbreviations: L- Lectures, P –Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment  
 ESE - University Examination (Theory & POE &/Oral examination)

Note: 1) \* - Practical and Oral Examination of Electronics Circuit Analysis and Design – I includes some of the practical from Network Theory and Analysis  
 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

  
 Dr. S. R. Gengojic  
 30/07/2015



**SOLAPUR UNIVERSITY, SOLAPUR**

**Faculty of Engineering & Technology (Revised from 2013-2014)**

**Semester II**

Credit System structure of S.E. Electronics Engineering W.E.F. 2015-2016

Theory Course Name	Hrs./week			Credits	Examination Scheme			Total
	L	T	P		ISE	ESE	ICA	
Electrical Machines	3	-	-	3	30	70	-	100
Electronics Circuit Analysis and Design – II	4	-	-	4	30	70	-	100
Analog Communication	3	-	-	3	30	70	-	100
Linear Integrated Circuits	4	-	-	4	30	70	-	100
Signals and Systems	4	1	-	5	30	70	25	125
<b>Sub Total</b>	<b>18</b>	<b>1</b>	<b>-</b>	<b>19</b>	<b>150</b>	<b>350</b>	<b>25</b>	<b>525</b>
<b>Laboratory/Workshop</b>								
						<b>ESE</b>		
						<b>POE</b>	<b>OE</b>	
Electrical Machines	-	-	2	1	-	-	25	50
Electronics Circuit Analysis and Design – II	-	-	2	1	-	50\$	-	75
Analog Communication	-	-	2	1	-	-	-	25
Linear Integrated Circuits	-	-	2	1	-	50	-	75
Software Simulation Tools	-	1	2	2	-	-	-	50
<b>Sub Total</b>		<b>1</b>	<b>10</b>	<b>6</b>	<b>--</b>	<b>--</b>	<b>125</b>	<b>275</b>
<b>Grand Total</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>25</b>	<b>150</b>	<b>475</b>	<b>175</b>	<b>800</b>

Abbreviations: L- Lectures, P –Practical, T- Tutorial, ISE- In Semester Exam., ESE - End Semester Exam, ICA- Internal Continuous Assessment  
ESE - University Examination (Theory &/ POE &/Oral examination)

Note: 1) \$- Practical and Oral Examination of Electronics Circuit Analysis and Design – II includes some of the simulation practical from Software Simulation Tools 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

*(Signature)*  
Dr. S. R. Ganga  
30/07/2015

*(Signature)*  
2015/07/08

Note -

- \* Network Theory and Analysis Practical and Oral Examination is combined with Electronics Circuit Analysis and Design - I
- \$ Practical and Oral Examination of Electronics Circuit Analysis and Design - II includes some of the simulation practical from Software Simulation Tools
- Batch size for the practical/tutorial shall be of 20 students. On forming the batches, if the strength of remaining students exceeds 9, then a new batch shall be formed.
- Vocational Training (evaluated at B.E. Part-I) of minimum 15 days shall be completed in any vacation after S.E. Part-II but before B.E. Part-I & the report shall be submitted and evaluated in B.E. Part-I
- Appropriate Elective I & II Subjects may be added when required.
- Student shall select one Self Learning Module at T.E. Part I and T.E. Part II each from Technical and Humanities and Social Sciences Group with at least one Self Learning Module from the Humanities and Social Sciences Group
- Curriculum for Humanities and Social Sciences Self Learning Modules is common for all under graduate programmes of faculty of Engineering and Technology
- Term work assessment shall be a continuous process based on student's performance in - class tests, assignments, homework, subject seminars, quizzes, laboratory books and their interaction and attendance for theory and lab sessions as applicable

*Gangotri*  
*Dr. S.R. Gangotri*  
*30/07/2015*







**SOLAPUR UNIVERSITY, SOLAPUR.**

**Faculty of Engineering & Technology (Revised from 2013-2014)**

Credit System structure of S.E. Information Technology W.E.F. 2015-2016

S.E.  
New [CGPA]

**Semester I**

Theory Course Name	Hrs./week			Credits	Examination Scheme				
	L	T	P		ISE	ESE	ICA	Total	
Applied Mathematics-I	3	1	-	4	30	70	25	125	
Discrete Mathematical Structures	3	1	-	4	30	70	25	125	
Advanced C concepts	3	-	-	3	30	70	-	100	
Digital Techniques	4	-	-	4	30	70	-	100	
Computer Graphics	3	-	-	3	30	70	-	100	
<b>Sub Total</b>	<b>16</b>	<b>2</b>	<b>-</b>	<b>18</b>	<b>150</b>	<b>350</b>	<b>50</b>	<b>550</b>	
<b>Laboratory/Workshop</b>									
-	-	-	-	-	-	ESE		-	
						POE	OE		
Advanced C concepts	-	-	4	2	-	50	-	25	75
Digital Techniques	-	-	2	1	-	50	-	25	75
Computer Graphics	-	-	2	1	-	-	-	25	25
Lab - Visual Basic	2	-	2	3	-	50	-	25	75
<b>Sub Total</b>	<b>2</b>	<b>-</b>	<b>10</b>	<b>7</b>	<b>-</b>	<b>150</b>	<b>-</b>	<b>100</b>	<b>250</b>
<b>Grand Total</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>25</b>	<b>150</b>	<b>500</b>	<b>150</b>	<b>800</b>	

Abbreviations: L- Lectures, P -P.actical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment

Note: 1) '#' indicates Practical exam only. 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

*[Signature]*  
Rajphalwan



**SOLAPUR UNIVERSITY, SOLAPUR.**

**Faculty of Engineering & Technology (Revised from 2013-2014)**

Credit System structure of S.E. Information Technology W.E.F. 2015-2016

**Semester II**

S.E.  
New [CGPA]

Theory Course Name	Hrs./week			Credits	Examination Scheme				Total
	L	T	P		ISE	ESE	ICA		
Applied Mathematics – II	3	1	-	4	30	70	25	125	
Theory of Computation	3	1	-	4	30	70	25	125	
Microprocessors	4	-	-	4	30	70	-	100	
Data Communication	3	-	-	3	30	70	-	100	
Data Structures	3	-	-	3	30	70	-	100	
<b>Sub Total</b>	<b>16</b>	<b>2</b>	<b>-</b>	<b>18</b>	<b>150</b>	<b>350</b>	<b>50</b>	<b>550</b>	
<b>Laboratory/Workshop</b>									
	-	-	-	-	-	ESE		-	
						POE	OE		
Microprocessors	-	-	2	1	-	50	-	25	75
Data Communication	-	-	2	1	-	-	-	25	25
Data Structures	-	-	4	2	-	50	-	25	75
Lab - Object Oriented Design & Programming through C++	2	-	2	3	-	50	-	25	75
<b>Sub Total</b>	<b>2</b>	<b>-</b>	<b>10</b>	<b>7</b>	<b>-</b>	<b>150</b>	<b>100</b>	<b>250</b>	
<b>Grand Total</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>25</b>	<b>150</b>	<b>500</b>	<b>150</b>	<b>800</b>	

Abbreviations: L- Lectures, P- Practical, T- Tutorial, ISE- In Semester Exam., ESE - End Semester Exam, ICA- Internal Continuous Assessment

ISE -Internal Tests, ESE - University Examination (Theory &/ POE &/Oral examination)  
 Note: 1) '#' indicates Practical exam only. 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

*[Signature]*  
*[Signature]*

**Note:**

1. The term-work will be assessed based on continuous internal evaluation including class tests, assignments, performance in laboratories, Interaction in class, quizzes, group discussions as applicable.
2. The batch size for practical/tutorials be of 20 students. On forming the batches, if the strength of remaining students exceeds 9 students, then a new batch may be formed.
3. Vocational Training (evaluated at B.E. Part-I) of minimum 15 days shall be completed in any vacation after S.E. Part-II but before B.E. Part-I & the report shall be submitted and evaluated in B.E. Part-I.

**Abbreviations: L- Lectures, P- Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment**

**ISE -Internal Tests, ESE - University Examination (Theory &/ POE &/Oral examination)**

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Per  
Kumar



SOLAPUR UNIVERSITY, SOLAPUR.

Faculty of Engineering & Technology (Revised from 2013-2014)

Credit System structure of S.E. Mechanical W.E.F. 2015-2016

Semester I

SE  
NEW (CGPA)

Theory Course Name	Hrs./week			Credits	Examination Scheme				
	L	T	P		ISE	ESE	ICA	Total	
Analysis of Mechanical Elements	3	1	-	4	30	70	25	125	
Applied Thermodynamics	3	-	-	3	30	70	-	100	
Engineering Mathematics-III	3	1	-	4	30	70	25	125	
Machine Tools and Processes	3	-	-	3	30	70	-	100	
Machine Drawing	3	-	-	3	30	70	-	100	
<b>Sub Total</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>17</b>	<b>150</b>	<b>350</b>	<b>50</b>	<b>550</b>	
<b>Laboratory/Workshop</b>									
-	-	-	-	-	-	-	-	-	
Applied Thermodynamics	-	-	2	1	-	25	25	50	
Machine Tools and Processes	-	-	2	1	-	-	25	25	
Machine Drawing	-	-	4	2	-	-	50	50	
Computer Programming in C++	1	-	2	2	-	50	25	75	
Workshop Practice-II	-	-	2	1	-	#25	25	50	
<b>Sub Total</b>	<b>1</b>	<b>-</b>	<b>12</b>	<b>7</b>	<b>-</b>	<b>100</b>	<b>150</b>	<b>250</b>	
<b>Grand Total</b>	<b>16</b>	<b>2</b>	<b>12</b>	<b>24</b>	<b>150</b>	<b>450</b>	<b>200</b>	<b>800</b>	

Abbreviations: L- Lectures, P-Practical, T- Tutorial, ISE- In Semester Exam., ESE - End Semester Exam, ICA- Internal Continuous Assessment  
 ISE -Internal Tests, ESE - University Examination (Theory &/ POE &/Oral examination)  
 Note: 1) '#' indicates Practical exam only. 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

*[Signature]*  
B. R. Raut



SOLAPUR UNIVERSITY, SOLAPUR.

Faculty of Engineering & Technology (Revised from 2013-2014)

Credit System structure of S.E. Mechanical W.E.F. 2015-2016

Semester II

Theory Course Name	Hrs./week			Credits	Examination Scheme				
	L	T	P		ISE	ESE	ICA	Total	
Theory of Machine – I	3	-	-	3	30	70	-	100	
Manufacturing Processes	3	-	-	3	30	70	-	100	
Fluid Mechanics	3	-	-	3	30	70	-	100	
Numerical Methods	3	-	-	3	30	70	-	100	
Electrical and Electronics Technology	3	-	-	3	30	70	-	100	
<b>Sub Total</b>	<b>15</b>	<b>-</b>	<b>-</b>	<b>15</b>	<b>150</b>	<b>350</b>	<b>-</b>	<b>500</b>	
<b>Laboratory/Workshop</b>									
-	-	-	-	-	-	POE	OE	-	
Theory of Machine – I	-	-	2	1	-	-	-	25	
Manufacturing Processes	-	-	2	1	-	-	-	25	
Fluid Mechanics	-	-	2	1	-	-	25	50	
Numerical Methods	-	-	2	1	-	-	-	25	
Electrical and Electronics Technology	-	-	2	1	-	-	-	25	
Computer Aided Machine Drawing	1	-	2	2	-	50	-	50	
Workshop Practice – III	-	-	2	1	-	-	-	50	
<b>Sub Total</b>	<b>1</b>	<b>-</b>	<b>14</b>	<b>8</b>	<b>-</b>	<b>75</b>	<b>-</b>	<b>300</b>	
<b>Grand Total</b>	<b>16</b>	<b>-</b>	<b>14</b>	<b>23</b>	<b>150</b>	<b>425</b>	<b>225</b>	<b>800</b>	

Abbreviations: L- Lectures, P-Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment

ISE -Internal Tests, ESE - University Examination (Theory &/ POE &/Oral examination)

Note: 1) '#' indicates Practical exam only. 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

B. Rang

SE  
NewCCAPP

**Notes:**

1. The Practical batch shall be of 20 students. After formation of batches, if the number of students remaining is more than 9, a new batch shall be formed.
2. Practical / Tutorial load indicates the load per batch.
3. TW: Term work assessment shall be a continuous process based on the performance of student in assignment, class test, quizzes, homework, interaction during theory and laboratory session, hand written lab book/ hand written journal, sheet drawing, subject seminar presentation etc. as applicable.
4. Industrial Training (B.E. Part 1) of minimum 15 days in one slot shall be completed in any vacation after SE Part-II but before BE Part-I & the report shall be submitted in BE Part-I.
5. For the subject 'Electrical and Electronics Technology', answer to the two sections must be written in separate answer books.

Abbreviations: L- Lectures, P -Practical, T- Tutorial, ISE- In Semester Exam., ESE - End Semester Exam, ICA- Internal Continuous Assessment  
ISE -Internal Tests, ESE - University Examination (Theory &/ POE &/Oral examination)

Note: 1) '#' indicates Practical exam only. 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

*B. B. B. B.*



**SOLAPUR UNIVERSITY, SOLAPUR**  
**Faculty of Engineering & Technology (Revised from 2013-2014)**  
**Credit System structure of S. E. Civil-I, W. E. F. 2015-2016; Semester- I**

Theory Course Name	Hrs./week				Credits	Examination Scheme			
	L	T	P	D		ISE	ESE	ICA	Total
Concrete Technology	2	-	-	-	2	30	70	-	100
Structural Mechanics-I	3	-	-	-	3	30	70	-	100
Surveying -I	3	-	-	-	3	30	70	-	100
Building Construction & Drawing	3	-	-	-	3	30	70	-	100
Fluid Mechanics-I	3	-	-	-	3	30	70	-	100
Engg. Geology	3	-	-	-	3	30	70	-	100
<b>Total</b>	<b>17</b>				<b>17</b>	<b>180</b>	<b>420</b>	<b>-</b>	<b>600</b>
<b>Laboratory/Drawings</b>						<b>POE</b>	<b>OE</b>		
Concrete Technology	-	-	2	-	1	-	-	25	25
Structural Mechanics-I	-	-	2	-	1	-	-	25	25
Surveying -I	-	-	2	-	1	-	25	25	50
Building Construction & Drawing	-	-	-	2	1	-	-	25	25
Fluid Mechanics-I	-	-	2	-	1	-	25	25	50
Engg. Geology	-	-	2	-	1	-	25	25	50
Lab. Practice	-	-	2*	-	0.5	-	-	25	25
<b>Total</b>			<b>11</b>	<b>2</b>	<b>6.5</b>		<b>75</b>	<b>175</b>	<b>250</b>
<b>Grand Total</b>	<b>17</b>		<b>11</b>	<b>2</b>	<b>23.5</b>	<b>180</b>	<b>495</b>	<b>175</b>	<b>850</b>
Environmental Science	1	-	-	-	-	-	-	-	-

**Abbreviations:** L- Lectures, P -Practical, T- Tutorial, D- Drawing. \*- Alternate week, ISE -Internal Tests, ESE - University Examination (Theory &/ POE &/Oral examination), ICA- Internal Continuous Assessment.

**Note:**

- (1) The number of students in a practical/Tutorial batch shall be 20. New batch shall be formed if the number of remaining students (after forming batches of 20) exceeds 9.
- (2) Term work assessment: Term Work assessment shall be a continuous process based on the performance of the student in assignments, class tests, quizzes, attendance and interaction during theory and lab sessions, journal writing, report presentation etc., as applicable.
- (3) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.



S.E.  
New [CGPA]

**SOLAPUR UNIVERSITY, SOLAPUR**

**Faculty of Engineering & Technology (Revised from 2013-2014)**

**Credit System structure of S. E. Civil-II, W. E.F. 2015-2016; Semester -II**

Theory Course Name	Hrs./week				Credits	Examination Scheme			Total
	L	T	P	D		ISE	ESE	ICA	
Structural Mechanics-II	3	1	-	-	4	30	70	25	125
Surveying -II	3	-	-	-	3	30	70	-	100
Building Construction & Design	3	-	-	-	3	30	70	-	100
Fluid Mechanics-II	3	-	-	-	3	30	70	-	100
Water Resources Engg.I	3	-	-	-	3	30	70	25	125
Engg. Math-III	3	1	-	-	4	30	70	25	125
<b>Total</b>	<b>18</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>20</b>	<b>180</b>	<b>420</b>	<b>75</b>	<b>675</b>
<b>Laboratory/Drawings:</b>							<b>POE</b>	<b>OE</b>	
Surveying -II	-	-	2	-	1	-	-	25	50
Building Construction & Design	-	-	-	2	1	-	-	25	50
Fluid Mechanics-II	-	-	2	-	1	-	-	-	25
Computer Programming & Numerical Methods	2	-	2	-	3	-	25	-	50
<b>Total</b>	<b>2</b>	<b>-</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>-</b>	<b>25</b>	<b>50</b>	<b>175</b>
<b>Grand Total</b>	<b>20</b>	<b>2</b>	<b>6</b>	<b>2</b>	<b>26</b>	<b>180</b>	<b>495</b>	<b>175</b>	<b>850</b>
Environmental Science	1	-	-	-	-	-	-	-	-

Abbreviations: L- Lectures, P -Practical, T- Tutorial, D- Drawing, ISE -Internal Tests, ESE - University Examination (Theory & POE &/Oral examination), ICA- Internal Continuous Assessment.

**Note:**

- (1) The number of students in a Practical/Tutorial batch shall be 20. New batch shall be formed if the number of remaining students (after forming batches of 20) exceeds 9.
- (2) Term work assessment: Term Work assessment shall be a continuous process based on the performance of the student in assignments, class-tests, quizzes, attendance and interaction during theory and lab sessions, journal writing, report presentation etc., as applicable.
- (3) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.





SOLAPUR UNIVERSITY, SOLAPUR.

Faculty of Engineering & Technology (Revised from 2013-2014)

Credit System structure of S.E. Computer Sci. & Engg. W.E.F. 2015-2016

S.E.  
New [CGPA]

Semester I

Theory Course Name	Hrs./week			Credits	Examination Scheme				Total
	L	T	P		ISE	ESE	ICA		
Applied Mathematics-I	3	1	-	4	30	70	25	-	125
Discrete Mathematical Structures	3	1	-	4	30	70	25	-	125
Advanced C concepts	3	-	-	3	30	70	-	-	100
Digital Techniques	4	-	-	4	30	70	-	-	100
Computer Graphics	3	-	-	3	30	70	-	-	100
<b>Sub Total</b>	<b>16</b>	<b>2</b>	<b>-</b>	<b>18</b>	<b>150</b>	<b>350</b>	<b>50</b>	<b>-</b>	<b>550</b>
<b>Laboratory/Workshop</b>									
-	-	-	-	-	-	-	-	-	-
Advanced C concepts	-	-	4	2	-	50	25	-	75
Digital Techniques	-	-	2	1	-	50	25	-	75
Computer Graphics	-	-	2	1	-	-	25	-	25
Lab - Visual Basic	2	-	2	3	-	50	25	-	75
<b>Sub Total</b>	<b>2</b>	<b>-</b>	<b>10</b>	<b>7</b>	<b>-</b>	<b>150</b>	<b>100</b>	<b>-</b>	<b>250</b>
<b>Grand Total</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>25</b>	<b>150</b>	<b>500</b>	<b>150</b>	<b>-</b>	<b>800</b>

Abbreviations: L- Lectures, P- Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment  
 ISE -Internal Tests, ESE - University Examination (Theory &/ POE &/Oral examination)  
 Note: 1) '#' indicates Practical exam only. 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

Responsible  
 Dr. R. B. Kundan



SOLAPUR UNIVERSITY, SOLAPUR.

Faculty of Engineering & Technology (Revised from 2013-2014)

Credit System structure of S.E. Computer Sci. & Engg. W.E.F. 2015-2016

S.E. New  
[CGPA]

**Semester II**

Theory Course Name	L	Hrs./week	T	P	Credits	Examination Scheme				
						ISE	ESE	ICA	Total	
Applied Mathematics – II	3	1	1	-	4	30	70	25	125	
Theory of Computation	3	1	-	-	4	30	70	25	125	
Microprocessors	4	-	-	-	4	30	70	-	100	
Data Communication	3	-	-	-	3	30	70	-	100	
Data Structures	3	-	-	-	3	30	70	-	100	
<b>Sub Total</b>	<b>16</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>18</b>	<b>150</b>	<b>350</b>	<b>50</b>	<b>550</b>	
<b>Laboratory/Workshop</b>										
	-	-	-	-	-	-	ESE		-	-
							POE	OE		
Microprocessors	-	-	-	2	1	-	50	-	25	75
Data Communication	-	-	-	2	1	-	-	-	25	25
Data Structures	-	-	-	4	2	-	50	-	25	75
Lab - Object Oriented Design & Programming through C++	2	-	-	2	3	-	50	-	25	75
<b>Sub Total</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>7</b>	<b>-</b>	<b>150</b>	<b>-</b>	<b>100</b>	<b>250</b>
<b>Grand Total</b>	<b>18</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>25</b>	<b>150</b>	<b>500</b>	<b>150</b>	<b>800</b>	

Abbreviations: L- Lectures, P-Practical, T- Tutorial, ISE- In Semester Exam., ESE - End Semester Exam, ICA- Internal Continuous Assessment  
 ISE -Internal Tests, ESE - University Examination (Theory &/ POE &/Oral examination)  
 Note: 1) '#' indicates Practical exam only. 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

Responsible  
 Dr. R. B. Lakshman

Sum of cnt	Column Labels					
	Row Labels	Fail	Pass	Grand Total	% of Pass	% of fail
	ANALYSIS OF MECHANICAL ELEMENTS	565	549	1114	49.28	50.72
	APPLIED THERMODYNAMICS	713	309	1022	30.23	69.77
	ELECTRICAL AND ELECTRONICS TECHNOLOGY	1293	683	1976	34.56	65.44
	ENGINEERING MATHEMATICS-III	1006	244	1250	19.52	80.48
	FLUID MECHANICS	709	1183	1892	62.53	37.47
	MACHINE TOOLS AND PROCESSES	135	332	467	71.09	28.91
	MANUFACTURING PROCESS	397	1464	1861	78.67	21.33
	MACHINE DRAWING	134	124	258	48.06	51.94
	NUMERICAL METHODS	411	1462	1873	78.06	21.94
	THEORY OF MACHINE-I	550	1303	1853	70.32	29.68
	Grand Total	5913	7653	13566	56.41	43.59

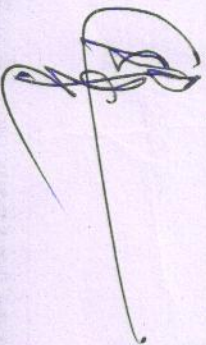
	ADDITION MARKS IN TOTAL	FAIL	PASS	GRAND TOTAL	PASS	FAIL
	10	1076	777	1853	41.93	58.07
	20	425	1428	1853	77.06	22.94
	25	203	1650	1853	89.04	10.96
	SE - II ( TOM-I) RESULT MARCH 2014	395	1222	1617	75.57	24.43
	SE - II ( TOM-I) RESULT MARCH 2013	392	1198	1590	75.35	24.65
	SE - II ( TOM-I) RESULT MARCH 2012	443	949	1392	68.18	31.82

Note:

1. The term-work will be assessed based on continuous internal evaluation including class tests, assignments, performance in laboratories, interaction in class, quizzes, group discussions as applicable.
2. The batch size for practical/tutorials be of 20 students. On forming the batches, if the strength of remaining students exceeds 9 students, then a new batch may be formed.
3. Vocational Training (evaluated at B.E. Part-I) of minimum 15 days shall be completed in any vacation after S.E. Part-II but before B.E. Part-I & the report shall be submitted and evaluated in B.E. Part-I.

Abbreviations: L- Lectures, P -Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment  
ISE -Internal Tests, ESE - University Examination (Theory &/ POE &/Oral examination)

Note: 1) '#' indicates Practical exam only. 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.



Dr. R. B. Kundlam

Dr. R. B. Kundlam



**SOLAPUR UNIVERSITY, SOLAPUR**  
**Faculty of Engineering & Technology (Revised from 2013-2014)**

S.E  
New [C.A.P.A.]

*Credit System structure of S.E. Electronics & Telecommunication Engineering W.E.F. 2015-2016 Semester I*

Theory Course Name	Hrs./week			Credits	Examination Scheme			Total	
	L	T	P		ISE	ESE	ICA		
Engineering Mathematics – III	3	1	--	4	30	70	25	125	
Electronics Circuit Analysis and Design-I	4	--	--	4	30	70	-	100	
Circuits & Network	4	-	--	4	30	70	-	100	
Digital Techniques	4	--	--	4	30	70	-	100	
Data Structures	3	--	--	3	30	70	-	100	
<b>Sub Total</b>	<b>18</b>	<b>1</b>	<b>--</b>	<b>19</b>	<b>150</b>	<b>350</b>	<b>25</b>	<b>525</b>	
<b>Laboratory</b>									
Electronics Circuit Analysis and Design-I	--	--	2	1	--	50*	--	25	75
Circuits & Network	--	--	2	1	--	--	--	25	25
Digital Techniques	--	--	2	1	--	50	--	25	75
Data Structures	--	--	2	1	--	50	--	25	75
Electronic Workshop Lab	--	1	2	2	--	--	--	50	50
<b>Sub Total</b>	<b>--</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>--</b>	<b>150</b>	<b>150</b>	<b>150</b>	<b>300</b>
<b>Grand Total</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>25</b>	<b>150</b>	<b>500</b>	<b>175</b>	<b>825</b>	

Note: Abbreviations: L- Lectures, P -Practical, T- Tutorial, ISE- In Semester Exam, ESE - End Semester Exam, ICA- Internal Continuous Assessment  
 ESE - University Examination (Theory &/ POE &/ Oral examination)

Note: 1) \* - Practical and Oral Examination of Electronics Circuit Analysis and Design – I includes some of the practical from Network Theory and Analysis  
 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

*M. A. K. J. Karamveer*



**SOLAPUR UNIVERSITY, SOLAPUR**  
**Faculty of Engineering & Technology (Revised from 2013-2014)**

S.E.  
New  
[CCPA]

*Credit System structure of S.E. Electronics & Telecommunication Engineering W.E.F. 2015-2016 Semester II*

Theory Course Name	Hrs./week			Credits	Examination Scheme			
	L	T	P		ISE	ESE	ICA	Total
Electronics Circuit Analysis and Design – II	4	-	-	4	30	70	-	100
Analog Communication	4	-	-	4	30	70	-	100
Control Systems	3	-	-	3	30	70	-	100
Linear Integrated Circuits	4	-	-	4	30	70	-	100
Signals and Systems	3	1	-	4	30	70	25	125
<b>Sub Total</b>	<b>18</b>	<b>1</b>	<b>-</b>	<b>19</b>	<b>150</b>	<b>350</b>	<b>25</b>	<b>525</b>
<b>Laboratory/Workshop</b>								
Electronics Circuit Analysis and Design – II	-	-	2	1	-	50	25	75
Analog Communication	-	-	2	1	-	50	25	75
Control Systems	-	-	2	1	-	-	25	25
Linear Integrated Circuits	-	-	2	1	-	50	25	75
Electronic Software Lab-I	-	1	2	2	-	-	50	50
<b>Sub Total</b>	<b>-</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>-</b>	<b>150</b>	<b>150</b>	<b>300</b>
<b>Grand Total</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>25</b>	<b>150</b>	<b>500</b>	<b>175</b>	<b>825</b>

Note: Abbreviations: L- Lectures, P-Practical, T- Tutorial, ISE- In Semester Exam., ESE- End Semester Exam, ICA- Internal Continuous Assessment  
 ESE - University Examination (Theory & POE &/Oral examination)

Note: 1) \$- Practical and Oral Examination of Electronics Circuit Analysis and Design – II includes some of the simulation practical from Electronic Software Lab-I  
 2) Student is required to study and pass Environmental Science subject in Second Year of Engineering to become eligible for award of degree.

*[Signature]*  
 Dr. K. J. Kulkarni

