

**K.L.N COLLEGE OF ENGINEERING, POTTAPALAYAM**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**Attainments of COs for all courses [2012-16 Batch]**

Subject Code & Subject Name	Course Code	Attainment
HS2111 Technical English I	C101	1.488
MA2111 Mathematics I	C102	2.328
PH2111 Engineering Physics I	C103	1.488
CY2111 Engineering Chemistry I	C104	0.696
GE2111 Engineering Graphics	C105	1.488
GE2112 Fundamentals of Computing and Programming	C106	0.952
GE2115 Computer Practice Laboratory I	C107	1.8
GE2116 Engineering Practices Laboratory	C108	1.8
GS2155 Physics & Chemistry Laboratory I	C109	
HS2161 Technical English II	C110	1.488
MA2161 Mathematics II	C111	2.248
PH2161 Engineering Physics II	C112	1.52
CY2161 Engineering Chemistry II	C113	0.696
EC2151 Electric Circuits and Electron Devices	C114	0.77
GE2152 Basic Civil & Mechanical Engineering	C115	0.696

GE2155 Computer Practice Laboratory II	C116	1.2
GS2165 Physics & Chemistry Laboratory II	C117	2.2
EC2155 Circuits and Devices Laboratory	C118	1.6
MA 2211 Transforms and Partial Differential Equations	C201	2.5776
EC 2201 Electrical Engineering	C202	
EC 2202 Data Structures and Object Oriented Programming in C++	C203	0.87
EC 2203 Digital Electronics	C204	0.92
EC 2204 Signals and Systems	C205	1.18
EC 2205 Electronic Circuits-I	C206	1.06
EC 2207 Digital Electronics Laboratory	C207	2.04
EC 2208 Electronic Circuits I Laboratory	C208	2
EC 2209 Data structures and Object Oriented Programming Laboratory	C209	1.8
MA 2261 Probability and Random Processes	C210	1.2144
EC 2251 Electronic Circuits - II	C211	1.5024
EC 2252 Communication Theory	C212	2.0464
EC 2253 Electromagnetic Fields	C213	1.98
EC 2254 Linear Integrated Circuits	C214	1.4
EC 2255 Control Systems	C215	1.89
EC 2257 Electronic Circuits II and Simulation	C216	2.04

Laboratory		
EC 2258 Linear Integrated Circuits Laboratory	C217	2.04
EC 2259 Electrical Engineering and Control Systems Laboratory	C218	1.92
EC2301 Digital Communication	C301	1.26
EC2302 Digital Signal Processing	C302	1.6
EC2303 Computer Architecture and Organization	C303	1.48
EC2305 Transmission Lines and Wave guides	C304	1.18
GE2021 Environmental Science and Engineering	C305	2.03
EC2304 Microprocessors and Microcontrollers	C306	0.97
EC2306 Digital Signal Processing Laboratory	C307	2.36
EC2307 Communication System Laboratory	C308	1.88
EC2308 Microprocessors and Microcontrollers Laboratory	C309	1.32
MG2351 Principles of Management	C310	2.616
EC2351 Measurements and Instrumentation	C311	1.66
EC2352 Computer Networks	C312	1.45
EC2353 Antenna and Wave Propagation	C313	2
EC2354 VLSI Design	C314	0.984
EC2029 Medical Electronics	C3E01	0.9376
EC2356 Computer Networks Laboratory	C316	2.04

EC2357 VLSI Design Laboratory	C317	2.04
GE2321 Communication Skills Laboratory	C318	0.6
EC2401 Wireless Communication	C401	1.18
EC2402 Optical Communication and Networks	C402	1.05
EC2403 RF and Microwave Engineering	C403	2.0592
GE2022 Total Quality Management	C4E02	2.5392
CS2060 High Speed Networks	C4E03	1.0608
EC2027 Advanced Microprocessor	C4E04	2.06
EC2029 Digital Image Processing	C4E05	2.136
EC2404 Electronic System Design Laboratory	C407	2.552
EC2405 Optical and Microwave Laboratory	C408	2.04
EC2050 Mobile Adhoc Networks	C4E05	2.4624
EC2042 Embedded and real time systems	C4E06	1.464
EC2045 Satellite Communication	C4E06	2.616
EC2451 Project Work	C4P1	2.36

**Attainments of COs for all courses [2013-17 batch]**

<b>Subject Code &amp; Subject Name</b>	<b>Course Code</b>	<b>Attainment</b>
HS6151 Technical English I	C101	2.37
MA6151 Mathematics I	C102	2.40
PH6151 Engineering Physics I	C103	1.02
CY6151 Engineering Chemistry I	C104	1.83
GE6151 Computer Programming	C105	0.83
GE6152 Engineering Graphics	C106	1.88
GE6161 Computer Practices Laboratory	C107	2.04
GE6162 Engineering Practices Laboratory	C108	2.36
GE6163 Physics & Chemistry Laboratory	C109	1.56
HS6251 Technical English II	C110	2.27
MA6251 Mathematics II	C111	1.78
PH6251 Engineering Physics II	C112	2.39
CY6251 Engineering Chemistry II	C113	1.31
EC6201 Electron Devices	C114	0.95
EE6201 Circuit Theory	C115	1.02
GE6262 Physics & Chemistry Laboratory II	C116	1.88
EC6211 Circuits and Devices Laboratory	C117	1.88
MA6351 Transforms and Partial Differential	C201	1.06

Equations		
EE6352 Electrical Engineering and Instrumentation	C202	0.97
EC6301 Object Oriented Programming and Data Structures	C203	0.89
EC6302 Digital Electronics	C204	0.83
EC6303 Signals and Systems	C205	1.18
EC6304 Electronic Circuits-I	C206	0.98
EC6311 Analog and Digital Circuits Laboratory	C207	1.08
EC6312 OOPS and Data structures Laboratory	C208	0.60
MA6451 Probability and Random Processes	C209	1.02
EC6401 Electronic Circuits - II	C210	1.06
EC6402 Communication Theory	C211	1.00
EC6403 Electromagnetic Fields	C212	1.32
EC6404 Linear Integrated Circuits	C213	0.80
EC6405 Control System Engineering	C214	1.53
EC6411 Circuit and Simulation Integrated Laboratory	C215	1.56
EC6412 Linear Integrated Circuit Laboratory	C216	2.04
EE6461 Electrical Engineering and Control System Laboratory	C217	2.04
EC6501 Digital Communication	C301	1.06

EC6502 Principles of Digital Signal Processing	C302	1.44
EC6503 Transmission Lines and Wave Guides	C303	1.12
GE6351 Environmental Science and Engineering	C304	2.85
EC6504 Microprocessors and Microcontrollers	C305	0.88
EC6511 Digital Signal Processing Lab	C306	2.20
EC6512 Communication Systems Lab	C307	2.20
EC6513 Microprocessors and Microcontrollers Lab	C308	1.91
MG6851 Principles Of Management	C309	1.74
CS6303 Computer Architecture	C310	1.58
CS6551 Computer Networks	C311	1.05
EC6601 VLSI Design	C312	1.50
EC6602 Antenna and wave Propagation	C313	1.05
EC6001 Medical Electronics(E-I)	C3E1	1.02
EC6002 Advanced Digital Signal Processing(E-I)	CE32	2.42
EC6611 Computer Networks Laboratory	C315	2.20
EC6612 VLSI Design Laboratory	C316	2.39
GE6674 Comm. and Soft Skills- Laboratory Based	C317	1.54

EC6701 RF & Microwave Engineering	C401	0.98
EC6702 Optical Communication & Networks	C402	1.02
EC6703 Embedded and Real time systems	C403	0.98
EC6015 Radar and Navigational aids(E-IV)	C4E16	2.53
EC6013 Advanced Microprocessors(E-IV)	C4E3	1.14
EC6004 Satellite Communication(E-II)	C4E6	1.10
IT6005 Digital Image Processing(E-II)	C4E1	0.97
EC6009 Advanced Computer Architecture(E-III)	C4E2	1.14
EC6711 Embedded Lab	C407	2.04
EC6712 Optical & Microwave Lab	C408	2.07
EC6801 Wireless communication	C409	1.06
EC6802 Wireless Networks	C410	1.54
GE6075 Professional Ethics in Engineering	C4E4	2.50
GE6757 Total Quality Management	C4E5	1.94
EC6811 Project Work	C4P1	2.36



**Attainments of COs for all courses [2014-18 batch]**

<b>Subject Code &amp; Subject Name</b>	<b>Course Code</b>	<b>Attainment</b>
HS6151 Technical English I	C101	0.88
MA6151 Mathematics I	C102	0.89
PH6151 Engineering Physics I	C103	0.67
CY6151 Engineering Chemistry I	C104	1.36
GE6151 Computer Programming	C105	0.82
GE6152 Engineering Graphics	C106	0.63
GE6161 Computer Practices Laboratory	C107	2.36
GE6162 Engineering Practices Laboratory	C108	2.33
GE6163 Physics & Chemistry Laboratory	C109	1.64
HS6251 Technical English II	C110	1.28
MA6251 Mathematics II	C111	0.96
PH6251 Engineering Physics II	C112	0.98
CY6251 Engineering Chemistry II	C113	0.86
EC6201 Electron Devices	C114	1.19
EE6201 Circuit Theory	C115	1.89
GE6262 Physics & Chemistry Laboratory II	C116	1.88
EC6211 Circuits and Devices Laboratory	C117	1.56

MA6351 Transforms and Partial Differential Equations	C201	1.10
EE6352 Electrical Engineering and Instrumentation	C202	1.01
EC6301 Object Oriented Programming and Data Structures	C203	1.02
EC6302 Digital Electronics	C204	0.86
EC6303 Signals and Systems	C205	1.07
EC6304 Electronic Circuits-I	C206	1.18
EC6311 Analog and Digital Circuits Laboratory	C207	1.56
EC6312 OOPS and Data structures Laboratory	C208	1.88
MA6451 Probability and Random Processes	C209	1.10
EC6401 Electronic Circuits - II	C210	0.78
EC6402 Communication Theory	C211	0.88
EC6403 Electromagnetic Fields	C212	1.10
EC6404 Linear Integrated Circuits	C213	1.06
EC6405 Control System Engineering	C214	1.02
EC6411 Circuit and Simulation Integrated Laboratory	C215	2.04
EC6412 Linear Integrated Circuit Laboratory	C216	2.04
EE6461 Electrical Engineering and Control System Laboratory	C217	3.00
EC6501 Digital Communication	C301	1.06

EC6502 Principle of Digital Signal Processing	C302	1.04
EC6503 Transmission Lines and Wave Guides	C303	1.12
GE6351 Environmental Science and Engineering	C304	1.02
EC6504 Microprocessors and Microcontrollers	C305	0.98
EC6511 Digital Signal Processing Lab	C306	2.04
EC6512 Communication Systems Lab	C307	2.68
EC6513 Microprocessors and Microcontrollers Lab	C308	2.23
MG6851 Principles Of Management	C309	1.50
CS6303 Computer Architecture	C310	1.01
CS6551 Computer Networks	C311	1.02
EC6601 VLSI Design	C312	0.66
EC6602 Antenna and wave Propagation	C313	1.96
EC6001 Medical Electronics(E-I)	C3E1	1.18
EC6002 Advanced Digital Signal Processing(E-I)	CE32	1.09
EC6611 Computer Networks Laboratory	C315	1.91
EC6612 VLSI Design Laboratory	C316	1.81
GE6674 Comm. and Soft Skills- Laboratory Based	C317	2.12
EC6701 RF and Microwave Engineering	C401	1.02
EC6702 Optical Communication and Networks	C402	0.92

EC6703 Embedded and Real Time Systems	C403	0.90
IT6005(E-II) Digital Image Processing	C4E2	1.01
EC6009 (E-III) Advanced Computer Architecture	C4E3	1.21
EC6015 (E-IV) Radar and Navigational Aids	C4E4	1.46
EC6711 Embedded Laboratory	C407	1.76
EC6712 Optical and Microwave Laboratory	C408	2.40
EC6801 Wireless Communication	C409	1.66
EC6802 Wireless Networks	C410	1.18
GE6075 (E-V) Professional Ethics in Engineering	C4E5	1.42
GE6757 (E-VI) Total Quality Management	C4E6	1.06
EC6811 Project Work	C4P1	2.16

**K.L.N COLLEGE OF ENGINEERING, POTTAPALAYAM**  
**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**  
**ALUMNI SURVEY ON PROGRAM OUTCOMES**  
**BATCH: 2013 - 2017**

<b>S.No</b>	<b>Questions</b>
<b>1</b>	Able to apply the fundamental knowledge of mathematics, engineering science to identify, formulate, research and solve Electronics and Communication Engineering problems in the areas of antenna design, embedded systems, image processing, VLSI design, wireless communication systems and sensor networks
<b>2</b>	Ability to design of analog and digital electronic circuits by using modern engineering and computing tools and develop a system component to meet specific needs by considering public health, safety, societal and environmental issues
<b>3</b>	Able to apply ethical issues, social environmental impact and managerial skills to serve the society and communicate the engineering activities effectively to engineering community.

S.No	Register No.	Student Name	PSO 1	PSO 2	PSO 3
1	910613106003	AJITH KUMAR J M	3	4	5
2	910613106005	AKSHAY KUMAR R	3	3	5
3	910613106006	ALAGU BHARATHI L	3	3	3
4	910613106007	ALAGUSHANTHI M	3	4	2
5	910613106008	ANAND M K	4	3	4
6	910613106009	ANANDA SESSUN K S	5	5	5
7	910613106010	ANGELIN A	4	4	4
8	910613106011	ANITHASHREE N M	4	5	4
9	910613106012	ANUPRIYA M	4	4	4
10	910613106013	ANUSHA P R	4	4	4
11	910613106014	ARAVINDHALOCHANAN R S	5	4	5
12	910613106015	ARUNA SANGARI A	1	3	2
13	910613106017	ARUN KUMAR S J	4	4	4
14	910613106019	BANUMATHI M	3	4	3
15	910613106020	BARATH A P	4	4	5
16	910613106021	BATHIRINATH K C	4	5	5
17	910613106023	BHAVATHARANI P	5	5	5
18	910613106024	DARSHAN M S	4	4	4
19	910613106025	DEEPA R R	5	5	5
20	910613106029	DIVYA BHARATHI M	4	4	4
21	910613106030	HARINATH K	1	2	2
22	910613106034	HEMA MAHESWARI M	5	5	5
23	910613106035	ISHWARYA G	5	5	5
24	910613106036	ISHWARYA K	5	5	5
25	910613106037	ISHWARYA V	4	4	4
26	910613106038	JAYA BHARATHI K	5	5	5
27	910613106039	JAYASHREE S	3	3	5
28	910613106040	KARTHICK K	4	4	4
29	910613106042	KARTHIKA B	2	2	2
30	910613106043	KARTHIKEYA L K	4	3	4

S.No	Register No.	Student Name	PSO 1	PSO 2	PSO 3
31	910613106044	KARTHIKEYAN S	5	5	5
32	910613106045	KEERTHANA P	5	5	5
33	910613106046	KESAV KUMAR T R S	4	4	4
34	910613106047	LAKSHMI PRIYA P	5	4	4
35	910613106048	LAKSHMI SREE T R	4	3	4
36	910613106054	MEENAKUMARI B	4	4	3
37	910613106056	NAGA NANDHINI M M	2	3	4
38	910613106059	NAVEEN KUMAR R	3	2	3
39	910613106060	NEELAKANDAN O V	3	4	4
40	910613106061	NITHYA B	5	5	5
41	910613106062	NIVETHA M	4	4	4
42	910613106063	NIVETHA V	5	5	5
43	910613106064	PARVATHI PRIYA M	5	5	5
44	910613106066	PAVITHRA S	5	4	5
45	910613106067	PONRAJ S	3	3	4
46	910613106068	POOMATHI K	2	3	2
47	910613106069	PRABHU K L S	1	2	1
48	910613106070	PRAVEEN BALKUMAR R	3	3	3
49	910613106071	PREETHI K	4	3	4
50	910613106072	PRIYA M	5	5	5
51	910613106073	RAGUL N D	4	4	4
52	910613106078	RAMESHKUMAR B R	5	4	4
53	910613106079	REKHA R	5	5	5
54	910613106080	RISHIKESH V	3	3	4
55	910613106081	RUTHRA KOUTHAM S	5	5	5
56	910613106082	SAJITHA BANU B	5	5	5
57	910613106083	SANGEETHA T	3	3	3
58	910613106084	SANKARANARAYANAN G	3	3	3
59	910613106085	SANTHOSHKUMAR S U	4	4	4
60	910613106087	SELVAKUMAR S K	3	3	3

S.No	Register No.	Student Name	PSO 1	PSO 2	PSO 3
61	910613106089	SHANMUGA PREETHA S	4	4	5
62	910613106090	SHANMUGA PRIYA P	5	5	4
63	910613106092	SINDHUJA S P	4	5	5
64	910613106093	SIVA MEENA A	5	4	5
65	910613106094	SNEKA M	4	4	4
66	910613106096	SRINATH T R	4	4	4
67	910613106097	SRINIVAS M	4	5	5
68	910613106098	SRIRAM S S	4	5	5
69	910613106100	SUNDARRAJAN R	4	4	4
70	910613106101	SURYA B P	5	4	4
71	910613106102	SUSMITHA S R S	4	4	4
72	910613106103	VAISHNAVI G	4	4	4
73	910613106104	VANDHANA DEVI S D	4	4	4
74	910613106106	VENKATESH S S	3	4	4
75	910613106109	VIGNESHER P S	4	4	4
76	910613106110	VIJEYA LAKSHMI S R	3	3	3
77	910613106111	VIMINIYA S	5	5	5
78	910613106112	VINITHA S	5	5	5
79	910613106115	YASMIN FARZANA T	4	4	4
80	910613106305	INDHUMATHI P	5	5	5
81	910613106307	KARTHIK T	3	3	3
<b>Sum of PSO'S</b>			<b>318</b>	<b>323</b>	<b>332</b>
<b>Average of PSO's</b>			<b>3.93</b>	<b>3.99</b>	<b>4.10</b>



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**ALUMNI SURVEY ON PROGRAM OUTCOMES**  
**BATCH: 2013 - 2017**

<b>PO</b>	<b>QUESTIONS FOR PO SURVEY</b>
<b>PO.1</b>	Ability to apply basic knowledge of Engineering Science and mathematics for solving complex Engineering problems.
<b>PO.2</b>	Able to identify and solve research oriented Engineering problems.
<b>PO.3</b>	Able to design and develop a system component for social needs.
<b>PO.4</b>	Able to analyze, synthesis and interpret data by conducting suitable experiment.
<b>PO.5</b>	Able to use computing tools for solving modern engineering problems.
<b>PO.6</b>	Apply contextual knowledge to the issues related to the society.
<b>PO.7</b>	Able to apply engineering solutions for sustainable development.
<b>PO.8</b>	Able to apply ethical principles in the engineering practice
<b>PO.9</b>	Able to perform effectively in a team
<b>PO.10</b>	Able to prepare and present the documentation effectively.
<b>PO.11</b>	Able to work in multidisciplinary projects
<b>PO.12</b>	Able to engage in lifelong learning / Able to acquire knowledge through lifelong learning

S.No	Register No.	Student Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
1	910613106003	AJITH KUMAR J M	4	5	4	3	4	3	5	3	4	3	4	4
2	910613106005	AKSHAY KUMAR R	3	3	3	3	3	3	3	2	3	4	3	3
3	910613106006	ALAGU BHARATHI L	4	4	3	3	4	4	3	4	3	4	4	3
4	910613106007	ALAGUSHANTHI M	4	3	3	3	4	4	5	3	4	3	3	2
5	910613106008	ANAND M K	4	3	4	3	3	3	3	4	4	3	4	3
6	910613106009	ANANDA SESSUN K S	5	5	5	5	5	5	5	5	5	5	5	5
7	910613106010	ANGELIN A	4	5	4	4	5	4	5	4	3	4	4	3
8	910613106011	ANITHASHREE N M	4	4	5	3	4	3	4	5	4	4	4	3
9	910613106012	ANUPRIYA M	4	2	4	4	4	2	3	4	4	4	4	4
10	910613106013	ANUSHA P R	4	4	4	4	4	4	4	4	4	4	4	4
11	910613106014	ARAVINDHALOCHANAN R S	5	4	4	5	5	4	5	5	4	5	5	4
12	910613106015	ARUNA SANGARI A	3	1	2	1	3	4	1	1	2	3	4	1
13	910613106017	ARUN KUMAR S J	4	3	2	3	3	4	4	4	5	5	5	5
14	910613106019	BANUMATHI M	3	3	3	3	3	4	3	3	4	4	4	4
15	910613106020	BARATH A P	4	5	5	5	4	5	5	5	5	5	5	5
16	910613106021	BATHIRINATH K C	4	5	5	5	5	5	4	5	5	5	5	5
17	910613106023	BHAVATHARANI P	1	1	5	5	5	5	5	5	5	5	5	5
18	910613106024	DARSHAN M S	4	4	4	4	4	4	4	4	4	4	4	4
19	910613106025	DEEPA R R	5	5	5	5	5	5	5	4	5	5	5	5
20	910613106029	DIVYA BHARATHI M	3	3	4	4	4	4	4	4	4	4	3	4
21	910613106030	HARINATH K	2	1	3	2	3	3	2	2	3	4	4	4
22	910613106034	HEMA MAHESWARI M	5	5	5	5	5	5	5	5	5	5	5	5
23	910613106035	ISHWARYA G	5	5	5	5	5	5	5	5	5	5	5	5
24	910613106036	ISHWARYA K	4	4	4	4	4	4	4	4	4	4	4	4
25	910613106037	ISHWARYA V	4	4	4	4	4	4	4	4	4	4	4	4
26	910613106038	JAYA BHARATHI K	5	5	5	5	5	5	5	5	5	5	5	5
27	910613106039	JAYASHREE S	2	2	3	3	3	2	3	3	3	3	3	3
28	910613106040	KARTHICK K	4	4	5	4	5	5	5	4	5	5	5	4
29	910613106042	KARTHIKA B	2	2	3	3	2	3	2	1	3	3	4	3
30	910613106043	KARTHIKEYA L K	4	3	3	3	3	3	2	3	4	5	5	5



S.No	Register No.	Student Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
61	910613106089	SHANMUGA PREETHA S	4	4	5	4	5	4	4	4	5	5	5	4
62	910613106090	SHANMUGA PRIYA P	5	5	5	4	5	5	5	5	5	5	5	5
63	910613106092	SINDHUJA S P	5	4	5	5	4	5	5	4	5	5	5	5
64	910613106093	SIVA MEENA A	4	5	4	4	5	4	4	5	4	5	5	5
65	910613106094	SNEKA M	4	5	5	4	5	5	5	5	4	5	5	5
66	910613106096	SRINATH T R	4	4	4	4	4	4	4	4	4	4	4	4
67	910613106097	SRINIVAS M	3	4	3	4	3	4	3	4	3	4	3	4
68	910613106098	SRIRAM S S	3	4	3	4	3	4	4	3	4	4	5	5
69	910613106100	SUNDARRAJAN R	4	4	4	5	4	5	4	4	4	5	4	4
70	910613106101	SURYA B P	4	4	5	5	5	5	5	5	5	4	4	5
71	910613106102	SUSMITHA S R S	4	4	4	4	4	4	4	4	4	4	4	4
72	910613106103	VAISHNAVI G	4	4	4	4	4	4	4	4	4	4	4	4
73	910613106104	VANDHANA DEVI S D	4	4	4	4	5	4	4	4	4	4	4	4
74	910613106106	VENKATESH S S	3	3	4	3	3	3	4	4	3	4	4	4
75	910613106109	VIGNESHER P S	4	4	4	4	4	4	4	4	4	4	4	4
76	910613106110	VIJEYA LAKSHMI S R	2	2	2	2	3	3	3	3	3	3	3	3
77	910613106111	VIMINIYA S	4	4	4	4	4	5	4	3	4	5	4	4
78	910613106112	VINITHA S	5	2	3	4	2	2	3	2	4	2	4	2
79	910613106115	YASMIN FARZANA T	4	4	4	4	4	4	5	5	5	5	4	4
80	910613106305	INDHUMATHI P	5	5	5	5	5	5	5	5	5	5	5	5
81	910613106307	KARTHIK T	3	3	3	3	3	3	3	3	3	3	3	3
<b>Sum of PO's</b>			<b>310</b>	<b>306</b>	<b>316</b>	<b>312</b>	<b>320</b>	<b>320</b>	<b>319</b>	<b>314</b>	<b>331</b>	<b>331</b>	<b>335</b>	<b>322</b>
<b>Average of PO's</b>			<b>3.827</b>	<b>3.778</b>	<b>3.901</b>	<b>3.852</b>	<b>3.951</b>	<b>3.951</b>	<b>3.938</b>	<b>3.877</b>	<b>4.086</b>	<b>4.086</b>	<b>4.136</b>	<b>3.975</b>





	EC6401 Electronic Circuits - II	C210	3	2	2	3	2	1	1	1	1	1	1	1
	EC6402 Communication Theory	C211	3	3	3	1	-	1	1	2	1	-	-	1
	EC6403 Electromagnetic Fields	C212	3	3	1	-	-	1	1	1	2	-	-	-
	EC6404 Linear Integrated Circuits	C213	3	2	2	2	2	1	1	1	1	-	1	1
	EC6405 Control System Engineering	C214	3	3	1	-	1	1	1	1	1	-	-	-
	EC6411 Circuit and Simulation Integrated Laboratory	C215	3	3	2	3	2	1	2	1	1	-	-	1
	EC6412 Linear Integrated Circuits Laboratory	C216	3	2	3	3	2	1	1	1	1	-	1	1
	EE6461 Electrical Engineering and Control System Laboratory	C217	1	-	-	2	-	-	-	3	-	-	-	-
III	EC6501 Digital Communication	C301	3	3	2	1	-	1	1	1	1	-	-	1
	EC6502 Principle of Digital Signal Processing	C302	3	2	1	1	-	1	1	1	1	-	-	-
	EC6503 Transmission Lines and Wave Guides	C303	2	2	1	1	-	2	2	2	1	-	2	2
	<b>Course Name</b>	<b>Course Code</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>
	GE6351 Environmental Science and Engineering	C304	3	2	2	2	2	1	1	1	1	-	-	1
	EC6504 Microprocessor and Microcontroller	C305	3	2	1	1	1	1	1	-	1	-	-	1
	EC6511	C306	2	1	2	3	3	1	1	1	1	-	1	1

	Digital Signal Processing Laboratory													
	EC6512 Communication Systems Laboratory	C307	3	3	3	3	1	1	1	2	2	-	-	1
	EC6513 Microprocessor and Microcontroller Laboratory	C308	3	3	1	3	3	1	1	1	1	-	1	1
	MG6851 Principles of Management	C309	1	1	2	1	1	2	1	3	2	2	3	1
	CS6303 Computer Architecture	C310	1	1	2	-	-	2	1	1	-	-	-	1
	CS6551 Computer Networks	C311	1	2	2	1	2	1	1	-	-	-	-	-
	EC6601 VLSI Design	C312	2	3	2	-	3	2	1	1	1	-	1	1
	EC6602 Antenna and Wave Propagation	C313	3	3	3	3	3	2	1	1	1	-	-	1
	EC6001 Medical Electronics	C3E1	3	1	2	-	-	2	1	-	-	-	-	1
	EC6611 Computer Networks Laboratory	C315	2	2	2	2	2	1	1	1	2	-	-	1
	EC6612 VLSI Design Laboratory	C316	3	3	1	1	-	1	1	1	-	1	1	1
	<b>Course Name</b>	<b>Course Code</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>
	GE6674 Communication and Soft Skills Laboratory	C317	-	-	-	-	-	1	3	-	-	-	1	-
IV	EC6701 RF and Microwave Engineering	C401	2	2	2	2	1	2	2	1	-	1	1	2
	EC6702 Optical Communication and Networks	C402	3	1	2	2	1	2	1	1	1	-	1	1



EC6703 Embedded and Real Time Systems	C403	2	2	3	2	1	1	2	1	-	1	1	2
IT6005 Digital Image Processing	C4E1	3	3	3	1	1	-	1	-	1	-	1	1
EC6009 Advanced Computer Architecture	C4E2	3	2	1	1	1	1	1	-	1	-	-	1
EC6013 Advanced Microprocessor and Microcontroller	C4E3	3	2	1	1	1	1	1	-	1	-	-	1
EC6711 Embedded Laboratory	C407	3	3	1	2	-	2	1	1	-	1	1	1
EC6712 Optical and Microwave Laboratory	C408	3	2	1	2	-	1	1	1	2	-	1	-
EC6801 Wireless Communication	C409	3	2	1	1	1	1	1	-	-	-	1	-
EC6802 Wireless Networks	C410	3	3	3	2	1	1	1	-	1	-	-	1
GE6075 Professional Ethics in Engineering	C4E4	1	1	3	1	-	3	3	3	-	3	-	1
<b>Course Name</b>	<b>Course Code</b>	<b>PO1</b>	<b>PO2</b>	<b>PO3</b>	<b>PO4</b>	<b>PO5</b>	<b>PO6</b>	<b>PO7</b>	<b>PO8</b>	<b>PO9</b>	<b>PO10</b>	<b>PO11</b>	<b>PO12</b>
GE6751 Total Quality Management	C4E5	2	2	1	-	-	2	1	1	-	-	-	1
EC6811 Project Work	C4P1	2	2	1	2	2	2	2	1	1	1	2	2

**Program level Course-PSO matrix of all courses INCLUDING first year courses**

**Mapping of Courses (Anna University Regulation 2013) and PSOs**

Year	Course Name	Course Code	Program Specific Outcomes		
			PSO1	PSO2	PSO3
I	HS6151 Technical English - I	C101	-	-	1
	MA6151	C102	1	1	-

Mathematics - I				
PH6151 Engineering Physics– I	C103	1	-	-
CY6151 Engineering Chemistry-I	C104	1	-	-
GE6151 Computer Programming	C105	1	-	-
GE6152 Engineering Graphics	C106	1	-	-
GE6161 Computer Practices Laboratory	C107	1	-	-
GE6162 Engineering Practices Laboratory	C108	1	-	-
GE6163 Physics and Chemistry Laboratory - I	C109	1	-	-
HS6251 Technical English – II	C110	-	-	1
MA6251 Mathematics–II	C111	1	-	1
PH6251 Engineering Physics-II	C112	1	-	-
CY6251 Engineering Chemistry – II	C113	1	-	-
EC6201 Electronic Devices	C114	2	-	-
EE6201 Circuit Theory	C115	2	-	-
GE6262 Physics and Chemistry Laboratory - II	C116	1	-	-
<b>Course Name</b>	<b>Course Code</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
EC6211 Circuits and Devices Laboratory	C117	2	1	-

II	MA6351 Transforms and Partial Differential Equations	C201	1	-	-
	EE6352 Electrical Engineering and Instrumentation	C202	1	1	-
	EC6301 Object Oriented Programming and Data Structures	C203	2	1	-
	EC6302 Digital Electronics	C204	2	1	-
	EC6303 Signals and Systems	C205	2	1	1
	EC6304 Electronic Circuits-I	C206	3	1	1
	EC6311 Analog and Digital Circuits Laboratory	C207	3	1	1
	EC6312 OOPS and Data Structures Laboratory	C208	3	1	1
	MA6451 Probability and Random Processes	C209	1	-	-
	EC6401 Electronic Circuits - II	C210	3	1	1
	EC6402 Communication Theory	C211	3	1	1
	<b>Course Name</b>	<b>Course Code</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
	EC6403 Electromagnetic Fields	C212	2	1	1
	EC6404 Linear Integrated Circuits	C213	2	1	1
	EC6405 Control System Engineering	C214	2	1	-

	EC6411 Circuit and Simulation Integrated Laboratory	C215	3	2	1
	EC6412 Linear Integrated Circuits Laboratory	C216	3	1	1
	EE6461 Electrical Engineering and Control System Laboratory	C217	1	-	1
III	EC6501 Digital Communication	C301	2	1	1
	EC6502 Principle of Digital Signal Processing	C302	2	1	-
	EC6503 Transmission Lines and Wave Guides	C303	2	1	1
	GE6351 Environmental Science and Engineering	C304	2	1	1
	EC6504 Microprocessor and Microcontroller	C305	2	1	-
	<b>Course Name</b>	<b>Course Code</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
	EC6511 Digital Signal Processing Laboratory	C306	2	2	1
	EC6512 Communication Systems Laboratory	C307	3	1	1
	EC6513 Microprocessor and Microcontroller Laboratory	C308	3	2	1
	MG6851 Principles of	C309	1	1	2

	Management				
	CS6303 Computer Architecture	C310	1	1	-
	CS6551 Computer Networks	C311	2	1	-
	EC6601 VLSI Design	C312	2	2	1
	EC6602 Antenna and Wave Propagation	C313	3	2	1
	EC6001 Medical Electronics	C3E1	2	1	-
	EC6611 Computer Networks Laboratory	C315	2	2	1
	EC6612 VLSI Design Laboratory	C316	2	2	1
	GE6674 Communication and Soft Skills Laboratory	C317	1	2	1
IV	EC6701 RF and Microwave Engineering	C401	2	2	1
	<b>Course Name</b>	<b>Course Code</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>
	EC6702 Optical Communication and Networks	C402	2	1	1
	EC6703 Embedded and Real Time Systems	C403	2	1	1
	IT6005 Digital Image Processing	C4E1	2	1	1
	EC6009 Advanced Computer Architecture	C4E2	2	1	-
	EC6013 Advanced Microprocessor and Microcontroller	C4E3	2	1	-

EC6711 Embedded Laboratory	C407	2	1	1
EC6712 Optical and Microwave Laboratory	C408	2	1	1
EC6801 Wireless Communication	C409	2	1	-
EC6802 Wireless Networks	C410	3	1	-
GE6075 Professional Ethics in Engineering	C4E4	2	2	1
GE6751 Total Quality Management	C4E5	1	1	-
EC6811 Project Work	C4P1	2	2	1