LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institute, Approved by A.I.C.T.E & Permanently Affiliated to JNTUK)

Accredited by NBA & NAAC with "A" Grade

Jonnada, Denkada (Mandal), Vizianagaram Dist – 535 005

Phone No. 08922-241111, 241666

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

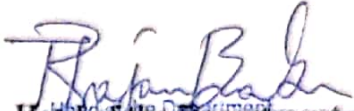## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

LIET/ECE/D-56/2020-21

REV.: 0.0:0.0

Indirect Assessment of PO/PSO Attainments

Table: PO/PSO Assessment from Alumni Survey

S.NO	NAME OF THE ALUMNI	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	BONTHA SREEVIDHYA	3	3	3	3	3	3	3	3	3	3	2	3	3	3
2	CHENNAMALLA LAVANYA VENKATA KUMARI	3	2	2	3	3	3	3	3	3	3	3	3	2	3
3	SHEIK KHAN	3	3	3	2	3	3	3	3	2	3	3	2	3	3
4	KOLUKULURI VENKATA MALLIKARJUNA VARMA	2	3	2	3	3	3	3	3	3	3	3	3	3	2
5	GOPISETTY NIRUPAM	3	3	2	3	2	3	3	3	1	3	3	2	3	3
6	MADDI JEEVAN SAI	3	2	3	3	2	3	3	3	2	3	3	2	3	2
7	VARANASI JYOSHNA MOUNIKA	2	2	2	2	2	3	3	3	3	2	3	3	2	3
8	M.GAUTHAM VISWANADHA VARMA	3	3	3	3	3	3	3	1	2	3	2	3	3	2
9	N.L.N KESAV KUMAR	3	3	3	3	3	2	1	3	3	1	1	3	3	3

10	KONCHADA VARALAKSHMI	2	3	3	3	2	3	3	3	2	3	2	3	2	3
11	SUNIL PATNAIK	2	3	3	3	3	3	3	3	3	3	2	3	2	3
12	KUNAPARAJU GAYATHRI NAGASAI MOUNIKA	2	3	3	3	3	3	3	3	3	3	2	3	2	2
	Average	2.58	2.75	2.67	2.83	2.67	2.92	2.83	2.83	2.50	2.75	2.42	2.75	2.58	2.67

R.V.Ch.Sekha Rao
Faculty-In-Charge

Head of the Department
Dept. of Electronics & Communication Engg.
LENDI Institute of Engineering & Technology
Jonnada (Vill), Denkada (Mdl.)
Vizianagaram Dist. 535005.

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E &Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112
E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ANALYSIS REPORT OF ALUMNI SURVEY ON CURRICULUM
(2020-21 ACADEMIC YEAR)

S.No	Program Outcomes & Program Specific Outcomes	PO/PSO	Overall Rating Obtained (For Scaling of 3)
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	PO1	2.58
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	PO2	2.75
3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	PO3	2.67
4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	PO4	2.83
5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	PO5	2.67
6	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	PO6	2.92
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	PO7	2.83

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E &Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	PO8	2.83
9	Function effectively as an individual; and as a member or leader in diverse teams, and in multidisciplinary settings.	PO9	2.50
10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	PO10	2.75
11	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	PO11	2.42
12	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	PO12	2.75
13	Capable of design, develop, test, verify and implement analog and digital electronics and communication engineering systems and products.	PSO1	2.58
14	Qualify in national and international competitive examinations for successful higher studies and employment.	PSO2	2.67

Comments & Observations on curriculum:

1	Try to have interactive sessions with working professionals.
2	Please focus on more practical skills and placement of students
3	The Curriculum needs to be updated continuously as per the evolving industry and new emerging Technologies so as to cope up the industries ever evolving job requirements.
4	ECE department should start Verilog, system verilog, UVM, Wireless communication 3gpp spec etc
5	Curriculum needs to be upgraded on par with the latest developments in the world.
6	Kindly ensures students really learn what they like and try to make the courses a bit more flexible and multi disciplinary.
7	Inclusion of Common Courses with Computer Science & Engineering

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution

(Approved by A.I.C.T.E &Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

8	Alumni felt to have more e-learning
9	Need to encourage students to take membership in professional bodies such as IEEE,IETE,ISTE etc
10	OFDM and Massive MIMO Concepts need to be included in syllabus.
11	Application of helical radiators, Circularly polarized radiation & analysis of commercially available antennas needs to be covered along with the syllabus.
12	Introducing Xilinx tool hands on experience with Spartan 3 FPGA kit
13	Alumni students suggested for Adoption of open-source platforms like Arduino and related IDE
14	Curriculum needs to be upgraded on par with the latest developments in the world.
15	Kindly ensures students really learn what they like and try to make the courses a bit more flexible and multi disciplinary.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACTION TAKEN REPORT OF ALUMNI SURVEY ON CURRICULUM
(2020-21 ACADEMIC YEAR)

S.No	Recommendations	Actions Taken
1	Curriculum needs to be upgraded on par with the latest developments in the world.	The request is sent to BOS to revise the syllabus on par with the current trends.
2	Kindly ensures students really learn what they like and try to make the courses a bit more flexible and multi disciplinary.	Numbers of open elective courses are increased in R20 regulation. Minors courses has been already introduced.
3	Inclusion of Common Courses with Computer Science & Engineering	Identified and included in the curriculum structure of R20 curriculum accordingly.
4	More focus required on the latest technologies.	Most of the industry's preferred latest technology courses are included in the R20 curriculum.
5	Alunmni felt to have more e-learning	In R20 regulation more number of MOOCs Courses were introduced compared to R19.
6	Need to encourage students to take membership in professional bodies such as IEEE,IETE,ISTE etc	Students were motivated and encouraged in taking membership in different professional bodies so as to participate in extracurricular activities such as seminars, quizzes etc
7	OFDM and Massive MIMO Concepts need to be included in syllabus.	In R20 curriculum these concepts are incorporated into Honours course titled **OFDM** with the course code R20ECE-HN4101.
8	Application of helical radiators, Circularly polarized radiation & analysis of commercially available antennas needs to be covered along	In R20 curriculum **Antenna Modelling Laboratory** with course code R20ECE-MC3101 was

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution

(Approved by A.I.C.T.E &Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

		with the syllabus.	introduced in order to cover all those aspects.
	9	Introducing Xilinx tool hands on experience with Spartan 3 FPGA kit	Already it was introduced in VLSI laboratory.
	10	Alumni students suggested for Adoption of open-source platforms like Arduino and related IDE	Already a skill orietnted course titled "Hardware Design Engineering Lab" with course code R20ECE-SC3101 was introduced in R20 Curriculum.

V.V ~ J
PRINCIPAL

PRINCIPAL
Lendi Institute of Engineering & Technology
Jonnada (V), Denkada (M)
Vizianagaram - 535 005

HOD-ECE
Head of the Department
Dept. of Electronics & Communication Engg.
LENDI Institute of Engineering & Technology
Jonnada (Vill), Denkada (Mdl.)
Vizianagaram Dist. 535005.

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institute, Approved by A.I.C.T.E & Permanently Affiliated to JNTUK)

Accredited by NBA & NAAC with "A" Grade

Jonnada, Denkada (Mandal), Vizianagaram Dist – 535 005

Phone No. 08922-241111, 241666

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

LIET/ECE/D-56/2020-21

REV.: 0.0:0.0

Indirect Assessment of PO/PSO Attainments

Table: PO/PSO Assessment from Exit Survey

S.NO	REGD NO	NAME OF THE STUDENT	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	17KD1A0401	ADARI HARI CHANDANA	3	3	3	3	3	3	3	2	2	2	3	3	3	3
2	17KD1A0402	A. FRANCIS AVINASH	3	2	3	3	3	3	3	3	3	2	3	3	3	3
3	17KD1A0403	ADIREDDI SAHITHI	2	3	3	3	3	2	3	2	3	3	2	3	3	3
4	17KD1A0404	AKASAPU ANUHYA	3	3	3	3	3	3	1	1	3	3	3	3	3	3
5	17KD1A0405	ALAJANGI DHEERAJ	3	2	3	3	3	3	1	3	3	3	3	3	3	3
6	17KD1A0406	ALAMURI PAVANASREE	3	3	3	3	3	3	3	1	3	3	3	3	3	3
7	17KD1A0407	ALAVILLI MOULIKA LAKSHMI	3	3	2	3	3	3	3	1	3	3	2	3	3	3
8	17KD1A0408	ALLAM GANESH	3	2	3	2	3	3	3	3	3	2	3	3	3	2
9	17KD1A0410	ALUMURU PRAMEELA SAI	3	3	3	3	3	3	3	3	3	3	3	3	3	3
10	17KD1A0411	AMARA SAIPADMAJA	3	3	3	3	3	3	2	3	2	3	3	3	3	3
11	17KD1A0412	A. HARSHA VARDHAN	3	3	2	2	3	3	2	3	1	2	3	3	3	3
12	17KD1A0413	ASISH BHOI	3	3	3	3	3	1	3	3	3	3	3	3	3	3
13	17KD1A0414	AYUSH KHAITAN	3	3	3	3	3	2	2	3	3	3	3	2	3	2

14	17KD1A0415	A. S. SURYA GAYATRI KUMAR	3	2	3	2	3	3	3	3	3	3	3	3	3	3
15	17KD1A0416	BADANA SAI KIRAN	3	3	2	2	3	3	3	3	3	3	2	3	3	3
16	17KD1A0417	BALABADRUNI SWETHA	2	2	3	3	3	1	3	3	3	2	3	3	3	2
17	17KD1A0418	BANKURU VANDANA	3	3	3	3	3	3	3	3	3	3	3	3	3	3
18	17KD1A0419	BARLA ASHA JYOTHI	3	3	3	3	3	3	3	3	3	3	3	3	3	3
19	17KD1A0420	BENDALAM DASARADHARAM	3	3	2	3	3	1	3	3	3	3	2	3	3	3
20	17KD1A0421	BEVARA JAYA SHANKAR	3	3	3	3	3	3	3	3	3	3	3	3	3	3
21	17KD1A0422	BODASINGI SRIKAR	3	3	3	3	3	3	3	3	3	3	3	3	3	2
22	17KD1A0423	BOMMIDI TARUN	3	2	3	3	3	1	3	3	3	3	3	3	3	2
23	17KD1A0424	BONAM SAI LAKSHMI	2	3	3	3	3	3	3	3	3	3	3	3	3	3
24	17KD1A0425	BONU PRIYANKA	3	2	3	2	3	3	3	3	3	2	3	3	3	3
25	17KD1A0426	CHALLA NIHARIKA	3	3	2	3	2	1	3	3	3	3	3	3	3	3
26	17KD1A0427	CHALLA RUSHYENDRA KUMAR	3	2	3	3	3	3	3	2	3	3	3	3	3	3
27	17KD1A0428	CHALUMURI GAYATHRI	3	2	3	2	3	2	3	3	3	3	3	3	3	2
28	17KD1A0429	CHANATI GANESH PREETHAM	3	2	2	3	3	2	3	3	3	3	3	3	3	3
29	17KD1A0430	CHEELI DEEKSHITHA	2	3	2	3	3	3	3	3	2	3	3	3	3	2
30	17KD1A0431	CHEKURI VENKATA SRUTHI	2	2	3	3	3	1	3	3	2	3	2	3	3	3
31	17KD1A0432	CH. CHINNA AJAY KUMAR	3	2	3	3	3	2	3	3	3	3	3	3	3	3
32	17KD1A0433	CHIKKALA MOHAN KRISHNA	3	3	3	3	3	3	3	3	3	2	3	2	3	2
33	17KD1A0434	CH. SIVA HAREESH PATNAIK	3	3	2	2	3	3	3	3	3	3	3	3	3	3
34	17KD1A0435	CHINTALAPATI SHYAM VARMA	3	3	2	3	3	3	2	3	3	3	3	3	3	3
35	17KD1A0436	CHOKKAKU SRAVANI	3	3	3	3	3	1	2	3	3	3	3	3	3	3
36	17KD1A0437	CHUKKA GEETH NANDINI	3	3	2	3	3	3	3	3	3	3	3	3	3	3
37	17KD1A0438	DANTHULURI SWATHI	3	3	3	3	3	3	3	3	3	3	3	3	3	3
38	17KD1A0439	DASARI MANI	3	2	3	3	3	3	3	3	3	2	3	2	3	3
39	17KD1A0440	DEEPILLI LEELARANI	3	2	3	3	3	2	3	3	3	3	1	3	3	3

#	Roll No	Name														
40	17KD1A0442	DOKULA RAVI SEKHAR	3	3	2	3	3	3	3	3	3	3	3	2	3	3
41	17KD1A0443	DURGASI JAYARAM	3	3	3	3	3	2	3	3	3	3	2	3	3	3
42	17KD1A0444	EARLA MRUDULA	3	2	2	3	3	3	3	3	3	3	3	3	3	3
43	17KD1A0445	G M ANANTA VENKATA PAVAN	3	3	3	3	3	2	3	3	3	3	2	3	3	3
44	17KD1A0446	GANDI ROHINI	3	3	3	2	3	3	3	3	3	3	3	3	3	3
45	17KD1A0447	GAVIDI CHANDRA KUMAR	3	2	2	3	3	3	3	3	3	3	3	3	3	3
46	17KD1A0449	GOTTA VASUNDHARA	3	3	3	3	3	2	3	3	3	2	2	2	3	3
47	17KD1A0450	GUMMA DIVYA	3	3	3	3	3	3	3	3	3	3	3	3	3	3
48	17KD1A0451	GUNTUPALLI GOUTHAM	2	2	3	2	3	3	3	3	3	3	3	3	3	3
49	17KD1A0452	GURRAM SAI PRAKASH	3	3	2	3	3	2	1	3	3	2	2	2	3	3
50	17KD1A0453	G. BHARGAV MANI DEEP	3	3	3	3	3	3	3	3	3	3	3	3	3	3
51	17KD1A0454	HARI ANUSHA	3	2	3	3	3	1	3	3	3	3	3	3	3	3
52	17KD1A0455	HARI LAKSHMI NARAYANAA	3	3	2	3	3	3	3	3	3	3	3	3	3	3
53	17KD1A0456	IDADASARI MOUNICA	3	2	3	3	3	2	1	3	1	3	2	3	3	3
54	17KD1A0457	JAGARAPU PRAVALLIKA	3	3	3	3	3	2	3	3	3	3	3	3	3	3
55	17KD1A0458	JAMMU POORNA TEJA	2	3	2	3	3	3	3	3	3	3	3	3	3	3
56	17KD1A0459	JAMMU SAI ASHISH	3	3	3	3	3	3	3	3	3	3	3	3	3	3
57	17KD1A0460	JAMPANA BHAVANA	3	3	3	2	3	3	3	3	3	3	2	3	3	3
58	17KD1A0461	JANA GANGARAJU	3	3	2	3	3	1	3	3	3	3	3	3	3	3
59	17KD1A0462	KADALI SITHARAM SAI KIRAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3
60	17KD1A0463	KADIRI VENKAT NIKHIL	3	2	3	3	3	3	3	3	3	3	2	3	3	3
61	17KD1A0464	K. SATISH DIWAKAR	3	3	2	3	3	2	3	3	3	3	2	3	3	3
62	17KD1A0465	KANCHI RAHUL	3	2	3	3	3	3	3	3	3	3	3	3	3	3
63	17KD1A0466	K PYDI VENKATA ANANTHA VARDHAN	3	3	3	3	3	2	3	3	3	3	3	3	3	3
64	17KD1A0467	KAPUSETTI CHANDRA MOULI	3	2	2	3	3	3	3	3	3	2	3	3	3	3
65	17KD1A0468	KASIREDDI GOVARDHAN	3	3	2	3	3	3	3	2	3	1	2	3	3	3

66	17KD1A0469	KELLA DHAMODAR KRISHNAM NAIDU	3	3	3	3	3	2	3	3	3	3	3	3	3	3
67	17KD1A0470	KETHALA SAI KUMAR	3	2	3	3	2	3	3	3	3	3	3	3	3	3
68	17KD1A0471	KILAPARTHI HARSHA VARDHAN	3	2	3	3	3	3	3	3	3	2	2	3	3	3
69	17KD1A0472	KILARI S V L N SWAMY	3	3	3	3	3	3	3	3	3	3	3	3	3	3
70	17KD1A0473	KINTALI VIJAY KUMAR	3	3	2	3	3	3	3	3	3	3	2	2	3	3
71	17KD1A0474	KOLA PRUDHVI	3	3	3	3	3	3	3	3	3	3	3	3	3	3
72	17KD1A0475	KOLLI YAMUNA	3	3	3	3	3	3	3	3	3	3	3	3	3	3
73	17KD1A0476	KOLLURU KAMESWARI LAKSHMI MANASA	3	3	3	3	3	3	3	3	3	3	2	2	3	3
74	17KD1A0477	KOLLURU NIHARIKA	3	3	3	3	3	3	3	3	3	2	3	3	3	3
75	17KD1A0478	KONDALA PAVANI	3	3	3	3	3	2	3	3	3	3	3	3	3	3
76	17KD1A0479	KONKI AJAY	3	2	2	3	3	3	1	3	3	3	3	3	3	3
77	17KD1A0480	KOPPIREDDY SNEHA MADHAVI	3	3	3	3	3	3	3	3	3	3	3	3	3	3
78	17KD1A0481	KORADA SAI YASWANTH	3	3	3	3	3	2	3	3	3	3	2	3	3	3
79	17KD1A0482	KOSURU PAVAN	3	2	3	3	3	3	3	3	3	3	3	2	3	3
80	17KD1A0483	KOTA MANASA	3	3	3	3	3	3	3	3	3	3	2	3	3	3
81	17KD1A0484	KOTLA SUDHARSHAN KALYAN	3	2	3	3	2	1	1	3	3	2	3	3	3	3
82	17KD1A0485	KOTTAPALLI HANISHA	3	3	3	3	2	3	3	3	3	3	3	2	3	3
83	17KD1A0486	KOYYANA SAI GANESH	3	3	3	3	3	3	3	3	3	3	3	3	3	3
84	17KD1A0487	KUNCHA CHARISHMA	3	2	3	3	2	3	3	3	3	3	3	3	3	3
85	17KD1A0488	LENKA BHANU CHANDAR	3	3	3	3	3	3	3	3	3	3	2	1	3	3
86	17KD1A0489	LENKA DILEEP KUMAR	3	3	3	3	2	3	3	3	3	3	3	3	3	3
87	17KD1A0490	MADABATTULA KRISHNA BABU	3	2	3	3	3	3	3	2	3	2	3	3	3	3
88	17KD1A0491	MADAKA VISHNU VARDHAN	3	3	3	3	2	3	3	3	3	3	3	3	3	3
89	17KD1A0492	MADINA DURGA PRASAD	3	3	3	3	3	3	3	1	3	3	2	2	3	3

No.	Reg No.	Name														
90	17KD1A0493	MANDALA SAI KUMAR	3	2	3	3	2	3	3	2	3	3	3	3	3	3
91	17KD1A0495	MANDAPATI ROCHAS VARMA	3	3	3	3	3	3	3	3	3	3	3	3	3	3
92	17KD1A0496	MANYAM SAIBHARGAV	3	3	3	3	3	3	3	3	3	3	2	3	3	3
93	17KD1A0497	MARADANA SAI KARTHIK NAIDU	2	2	3	3	2	3	3	3	3	3	3	3	3	3
94	17KD1A0498	MARADANA VASU DEVA RAO	3	3	3	3	3	2	3	3	3	3	2	3	3	3
95	17KD1A0499	MARIPI JYOTHI SWARUPA	3	3	3	3	3	3	3	3	3	3	2	2	3	3
96	17KD1A04A0	MEDARAMETLA SAI KUMAR	2	3	2	3	2	3	3	3	3	2	2	3	3	3
97	17KD1A04A1	MEESALA MOUNIKA	3	3	3	3	3	2	3	3	3	3	2	3	3	3
98	17KD1A04A2	MORA VENKATA VINAY NAGESWARA RAO	3	3	3	3	2	3	3	3	3	3	2	3	3	3
99	17KD1A04A3	MUPPIDI SUPRIYA	3	3	2	3	3	3	3	3	3	2	2	3	3	3
100	17KD1A04A4	NADIPILLI GYANAPRASANNA	3	3	3	3	2	3	3	3	3	3	3	3	3	3
101	17KD1A04A5	NAJANA BHAVANI	3	3	3	3	2	2	3	3	3	3	2	3	3	3
102	17KD1A04A6	NAKKA YESWANT YADAV	3	3	3	2	3	3	3	3	3	3	2	3	3	3
103	17KD1A04A7	NALLA DHATRI	3	3	3	3	3	3	3	3	3	3	2	3	3	3
104	17KD1A04A8	NANDAMUDI LIKHITHA	2	3	3	3	3	3	3	3	3	3	2	3	3	3
105	17KD1A04A9	NANUBALA SARATH KUMAR	3	3	3	3	3	3	3	3	3	3	2	3	3	3
106	17KD1A04B0	NEYYAGAPPULA VAGDEVI	3	3	3	2	3	3	3	3	3	3	3	3	3	3
107	17KD1A04B1	PADALA ROHINI LAKSHMI	3	3	3	3	3	3	3	3	3	2	2	3	3	3
108	17KD1A04B2	PADALA VINEETHA	3	3	3	3	3	3	3	3	3	3	2	3	3	3
109	17KD1A04B3	PALLA DURGA SARAN	3	3	3	3	3	3	1	3	2	3	2	3	3	3
110	17KD1A04B4	PANTLA HARIKA	3	3	3	3	3	3	3	3	3	3	2	3	3	3
111	17KD1A04B5	PAPPALA KUSUMA PRIYA	2	3	3	3	3	3	3	3	3	2	2	2	3	3
112	17KD1A04B6	PAPPALA MEGHANA	3	3	3	3	3	3	3	3	3	3	3	3	3	3
113	17KD1A04B7	PASALA VENKATA KUSUMA LAKSHMI	3	3	3	3	3	3	3	3	2	3	2	3	3	3

#	Roll No	Name														
114	17KD1A04B8	PASUMARTHI VENKATA SRUTHI	3	3	3	2	3	3	3	3	3	3	2	3	3	3
115	17KD1A04B9	PASUMARTI BHAVANI	3	2	3	3	3	2	3	3	3	3	2	3	3	3
116	17KD1A04C0	PATHIVADA NAGA RAJU	3	3	3	3	3	3	3	3	3	3	3	3	3	3
117	17KD1A04C1	PATNANA VENKATESH	2	3	3	3	3	3	3	3	3	3	2	3	3	3
118	17KD1A04C2	PATRUNI SURYA KAMESWARA RAO	3	2	3	3	3	3	3	3	3	3	2	1	3	3
119	17KD1A04C3	PEDAGADA KANAKACHARI	2	3	3	3	3	3	3	3	3	3	2	3	3	3
120	17KD1A04C4	PEDIREDLA SAI YAMINI	3	3	3	3	3	3	3	1	3	3	2	3	3	3
121	17KD1A04C5	PENTA SATYA	3	3	3	3	3	3	3	3	3	1	2	3	3	3
122	17KD1A04C6	PENTAKOTA BHAVANI CHANDU	3	3	3	2	3	3	3	3	3	3	3	3	3	3
123	17KD1A04C7	PILLA NIMISHA	3	3	3	3	3	3	3	3	3	3	3	3	3	3
124	17KD1A04C8	PILLA SANDEEP	3	3	3	3	3	3	3	3	2	3	2	3	3	2
125	17KD1A04C9	POLISETTY SANDEEP	3	2	3	3	3	2	3	3	3	3	2	3	3	3
126	17KD1A04D0	POOTHINA NAGENDRA BABU	3	3	3	3	3	3	3	3	3	2	2	3	3	3
127	17KD1A04D1	PORAM PRAJWALA	3	3	3	3	3	3	3	2	3	3	2	3	3	3
128	17KD1A04D2	PRAMIDALA MOHAN GANESH	3	2	3	3	3	3	3	3	3	3	2	3	3	3
129	17KD1A04D3	RAGHUMANDA MOUNIKA	3	2	3	3	3	3	3	3	3	3	1	3	3	3
130	17KD1A04D4	RAIPUREDDY CHETANA	3	3	3	3	2	3	3	2	3	3	3	3	3	3
131	17KD1A04D5	RAJANALA VISHALI	3	3	3	3	3	3	3	3	3	3	2	3	3	3
132	17KD1A04D6	RANDHI NARAYANARAO	3	2	3	3	3	3	1	3	3	3	2	3	3	2
133	17KD1A04D7	RANKIREDDY SAI JASWANTH	3	3	3	3	3	3	3	3	2	3	2	3	3	3
134	17KD1A04D8	RAVADA LAXMI YERRAM NAIDU	3	2	3	3	3	1	3	3	3	3	2	3	3	3
135	17KD1A04D9	REDDI KARTHIK	3	3	3	3	3	3	3	3	3	3	2	3	3	3
136	17KD1A04E0	REDDI SRAVANI	3	3	3	3	3	3	3	1	3	3	3	3	3	3
137	17KD1A04E1	REDDY KRISHNA POOJITHA	2	3	3	3	3	3	3	3	2	3	1	3	3	3
138	17KD1A04E2	SABBISETTI SWATHI	3	2	3	3	3	3	3	3	3	3	2	3	3	3

139	17KD1A04E3	SAITHALA YAJUSHA	3	3	3	3	3	3	3	3	3	3	2	3	3	2
140	17KD1A04E4	SANKARAGUPTHAPU NARENDRA BALAJI	3	2	3	3	3	3	3	3	3	1	2	3	3	3
141	17KD1A04E5	SANKRANA SHIVANI	3	3	3	2	3	3	3	3	3	3	2	3	3	3
142	17KD1A04E6	SANKURUBOTHU NITEESH	2	3	3	3	3	3	3	3	3	3	2	3	3	3
143	17KD1A04E7	SARIKA SAI MANOHAR JAYANTH	3	3	3	3	3	3	1	3	3	3	1	3	3	3
144	17KD1A04E8	SARIPAYAJNESWARA RAVI RAJA	3	3	3	3	3	3	3	2	3	3	2	3	3	3
145	17KD1A04E9	SARIPILLI PAVANI	3	3	3	3	2	3	2	3	1	3	2	3	3	3
146	17KD1A04F0	SEELA BHAVITHA	3	3	3	3	3	3	3	3	3	3	2	3	3	3
147	17KD1A04F1	SESETTI JASWANTH	2	1	2	3	3	3	3	3	3	3	2	3	3	3
148	17KD1A04F2	SIDDANTAPU MANOJ KUMAR	3	3	3	3	3	3	3	3	2	3	2	3	3	3
149	17KD1A04F3	SIRIKI MAHENDRA GANAPATHI NAIDU	3	2	3	3	3	3	3	2	3	3	2	3	3	3
150	17KD1A04F4	S SAI VENKATESH SUMANTH	3	2	3	3	3	3	1	3	3	3	2	3	3	3
151	17KD1A04F5	SIRIKI SUSHMA	3	3	3	3	3	3	3	3	3	3	2	3	3	3
152	17KD1A04F6	SIRIVURI DIWAKAR VARMA	3	3	3	3	3	3	3	1	3	3	2	3	3	3
153	17KD1A04F8	T. V J SAI KIRAN KUMAR	3	2	3	3	3	3	3	3	3	3	2	3	2	3
154	17KD1A04F9	TATRAJU PRADEEP NAIDU	3	3	3	3	2	3	3	3	3	3	2	3	3	3
155	17KD1A04G0	THATTIKOTA SUSHMITHA	3	2	3	3	3	3	3	3	1	3	2	3	3	3
156	17KD1A04G1	TIMANANA LAVANYA	3	2	2	3	3	3	3	3	3	3	2	3	2	3
157	17KD1A04G2	TONDRANKI SAI KRISHNA	3	2	3	3	3	3	3	3	3	3	2	3	3	3
158	17KD1A04G3	TUTIKA SAI PREETHI	3	3	3	3	3	3	3	3	3	3	3	3	3	3
159	17KD1A04G4	UNDABATLA NAVEEN	3	2	3	3	3	3	1	3	3	3	1	3	3	3
160	17KD1A04G5	USHA YOGESH	3	3	2	3	3	3	3	3	3	3	2	3	3	3
161	17KD1A04G6	VAJJHALA SRIVANI VNS	3	3	3	3	3	3	3	3	3	2	2	3	3	3

162	17KD1A04G7	VALLURI CHAITANYACHARI	2	2	3	3	3	3	3	3	3	3	2	2	3	3
163	17KD1A04G8	VANGAPANDU SAI KEERTHI	3	3	2	3	3	3	3	3	3	3	3	1	3	3
164	17KD1A04G9	VARANASI GOKILA	3	1	3	3	3	3	3	2	1	3	2	3	3	3
165	17KD1A04H0	VELLANKI PAVAN SAI	3	3	3	3	2	3	1	3	3	3	2	3	3	3
166	17KD1A04H1	VEMALI HARI SAI	3	2	3	3	3	2	3	3	3	3	2	3	3	3
167	17KD1A04H2	YENUGUTALA PAVAN KUMAR	3	2	3	3	3	3	2	3	3	3	2	3	3	3
168	17KD1A04H3	Y S S N V MANI DHEERAJ	3	3	3	3	3	3	3	3	3	3	2	3	3	3
169	18KD5A0401	CHUKKA LEELA	3	3	2	3	3	2	3	2	3	3	2	3	3	3
170	18KD5A0402	EMANI BHANU PRAKASH	2	2	3	2	3	3	3	3	3	3	2	3	2	3
171	18KD5A0403	NARIKENABILLI MOUNISHA	3	3	3	3	3	3	3	2	3	3	2	3	3	2
172	18KD5A0404	PINDIPROLU SATYA SAI LAHARI	2	2	2	3	3	3	3	2	3	3	2	3	3	2
173	16KD1A04D2	P.ANISHA	3	3	3	3	3	3	3	3	3	3	2	3	3	3
174	16KD1A04D4	PERISETTY MOULYANJANI	3	2	2	3	2	3	3	3	3	3	3	2	3	3
175	16KD1A04G3	T V NARASIMHA MANISHA	3	2	3	3	3	3	3	3	2	3	2	3	3	2
176	178T1A0418	CHIPPADA VASANTHA KUMARI	2	2	3	3	3	2	3	3	1	2	2	3	3	2
177	16KD1AO4A3	M. KUMAR KALYAN	2	2	3	3	2	3	2	3	2	2	2	3	3	2
		Average	2.88	2.66	2.82	2.91	2.89	2.73	2.82	2.84	2.86	2.84	2.43	2.88	2.98	2.92

R. Dipikanti

Faculty-In-Charge

Head of the Department

Dept. of Electronics & Communication Engg.
LENDI Institute of Engineering & Technology
Jonnada (Vill), Denkada (Mdl.)
Vizianagaram Dist. 535005.

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution

(Approved by A.I.C.T.E & Permanently Affiliated to JNTU,Kakinada)

Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)

Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005

Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ANALYSIS REPORT OF STUDENT EXIT SURVEY ON CURRICULUM
(2020-21 ACADEMIC YEAR)

S.No	Program Outcomes & Program Specific Outcomes	PO/PSO	Overall Rating Obtained (For Scaling of 3)
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	PO1	2.88
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	PO2	2.66
3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	PO3	2.82
4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	PO4	2.91
5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	PO5	2.89
6	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	PO6	2.73
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	PO7	2.82

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E & Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
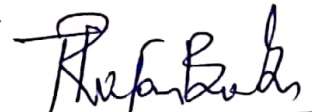Phone No. 08922-241111, 241112
E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	PO8	2.84
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	PO9	2.86
10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	PO10	2.84
11	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	PO11	2.43
12	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	PO12	2.88
13	Capable of design, develop, test, verify and implement analog and digital electronics and communication engineering systems and products.	PSO1	2.98
14	Qualify in national and international competitive examinations for successful higher studies and employment.	PSO2	2.92

Comments & Observations on curriculum:

1	Introduce new technology based subjects that are required by the industries with more and more practical trainings.
2	Curriculum should be more industry based as industry is changing day by day curriculum should also be changed according to it. Update syllabus to include newer subjects which have more relevance to the industry and current technology
3	Addition of Industrial Visits and educational tours to the curriculum.
4	Advance technical instruments should be provided according to the present scenario and which would be used in times to come in industries.
5	Students expressed need of coaching for competitive exams such as GATE,IES etc
6	Hands on experience should be provided for students.
7	Job related skill courses are required
8	Improve the Department Library(Digitalized)

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution

(Approved by A.I.C.T.E & Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

9	In every session first 5 minutes previous session must be revised to get clear on subject
10	Students requested for Core Sector Placements.
11	Students felt to have more industrial exposure is required.
12	Students requested for more practical knowledge.
13	Students requested for more number of guest lectures from industry and academia.
14	Students felt to request more Alumni Interactions for current trends happening in Core/IT Companies.
15	Students requested for giving in depth knowledge on Public Switched Telephone Network
16	Students requested for adding more Real-time applications in image processing techniques using MATLAB
17	Most of the students suggested to increase number of experiments on image processing
18	Students Suggested to include Simulation of different protocols using NS2 and QUALNET in WSN
19	Students suggested to include fabrication of CMOS, FET, BJT in the curriculum.
20	Students suggested include IC Design using Mentor Graphics in the curriculum as Add-on or Value Added Course.
21	There should be doubt session also after every unit, and solutions of every assignment should be discussed in class after checking.

PRINCIPAL

PRINCIPAL
Lendi Institute of Engineering & Technology
Jonnada (V), Denkada (M)
Vizianagaram - 535 005

HOD-ECE

Head of the Department
Dept. of Electronics & Communication Engg.
LENDI Institute of Engineering & Technology
Jonnada (Vill), Denkada (Mdl.)
Vizianagaram Dist. 535005.

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E &permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACTION TAKEN REPORT OF EXIT SURVEY ON CURRICULUM
(2020-21 ACADEMIC YEAR)

S.No	Recommendations	Actions Taken
1	Students expressed need of coaching for competitive exams such as GATE,IES etc	Arranged GATE/IES classes to students of 3rd year and 4th year.
2	Hands on experience should be provided for students.	More hours are allocated for practice.
3	Job related skill courses are required	Introduced PCB design skill based course with course code R20ECE-SC2101 for 2nd year students in R20 Curriculum.
4	Improve the Department Library(Digitalized)	Informed to HOD-ECE
5	In every session first 5 minutes previous session must be revised to get clear on subject	Approved and instructed all the faculty
6	Application of every topic should be discussed in detail for every topic by showing animated videos if possible	Partially Considered
7	Students requested for Core Sector Placements.	Request was forwarded to Training and Placement department for getting more core sector companies.
8	Students felt to have more industrial exposure is required.	More focus is given on industrial visits and industrial training and it is also incorporated into the R20 Curriculum
9	Students requested for more practical knowledge.	More workshops and guest lectures by experts from industry and premier educational institutes are planned.
10	Students requested for more number of guest	Every year 3-6 guest lectures are

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E &permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112
E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

	lectures from industry and academia	being organized and 2 workshops on various topics were organized.
11	Students felt to request more Alumni Interactions for current trends happening in Core/IT Companies.	ECE department decided to organize one Alumni Meet in the month of May 2021 for sharing experience of Alumni.
12	Students requested for giving in depth knowledge on Public Switched Telephone Network	It is resolved already, and we are offering the corresponding knowledge through Honours offered by ECE department.
13	Students requested for adding more Real-time applications in image processing techniques using MATLAB	The request was considered and proposed to conduct one work shop on image processing using MATLAB.
14	Most of the students suggested to increase number of experiments on image processing	In R20 curriculum we are offering a Professional elective titled **Digital Image Processing** with Course code R20ECE-PE4103.5.The inclusion of image processing lab will be considered for next curriculum design.
15	Students Suggested to include Simulation of different protocols using NS2 and QUALNET in WSN	ECE department has offering an Honours Course titled Wireless Communication & Networks with course code R20ECE-HN3203.In that course we already incorporated simulation of different protocols using Qualnet and NS-2.
16	Students suggested to include fabrication of CMOS, FET, BJT in the curriculum.	Will be considered for next curriculum design.
17	Students suggested to include IC Design using Mentor Graphics in the curriculum as Add-on	The request was considered and proposed to conduct Value Added

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E &permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112
E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

	or Value Added Course	Course for R20 batch students.
18	There should be doubt session also after every unit ,and a solutions of every assignment should be discussed in class after checking	The feedback about doubt session and solution of assignments has been convey to all faculty members. IT is decided to solve, all doubts and assignment problems, in the Tutorials which already included in the scheme and timetable.

V.V

PRINCIPAL

PRINCIPAL
Lendi Institute of Engineering & Technology
Jonnada (V), Denkada (M)
Vizianagaram - 535 005

HOD-ECE

Head of the Department
Dept. of Electronics & Communication Engg.
LENDI Institute of Engineering & Technology
Jonnada (Vill), Denkada (Mdl.)
Vizianagaram Dist. 535005.

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(An Autonomous Institute, Approved by A.I.C.T.E & Permanently Affiliated to JNTUK)

Accredited by NBA & NAAC with "A" Grade

Jonnada, Denkada (Mandal), Vizianagaram Dist – 535 005

Phone No. 08922-241111, 241666

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

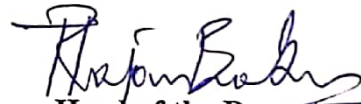## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

LIET/ECE/D-56/2020-21

REV.: 0.0:0.0

Indirect Assessment of PO/PSO Attainments

Table: PO/PSO Assessment from Faculty Survey

S.NO	Name of the Faculty	Designation	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
1	Dr. M. RajanBabu	Professor & HOD	3	3	3	3	2	2	3	3	3	2	3	2	3	2
2	Dr. B. Sridhar	Professor	3	3	3	3	3	2	2	2	3	2	2	2	3	3
3	Dr. A.V. Paramkusam	Professor	3	3	3	2	3	3	2	2	3	3	3	2	3	3
4	Dr. S. Sridhar	Professor	3	3	3	3	2	2	2	2	3	3	2	3	3	3
5	Dr. B. Kiranmai	Professor	3	3	3	2	2	1	2	2	3	2	2	2	2	2
6	Mr. V. Nancharaiah	Assoc. Prof	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	Mr. R.V. Ch Sekhar Rao	Assoc. Prof	3	3	3	3	3	2	2	2	3	3	2	3	2	2
8	Mr. B. Rama Mohan	Assoc. Prof	3	3	2	3	2	3	3	3	3	3	3	3	3	2
9	Mr. B. Hemanth Nag	Assoc. Prof	3	2	3	2	3	3	3	2	2	2	2	3	3	2
10	Mr. N Rajasekhar	Assoc. Prof	3	3	2	2	3	3	2	2	3	2	3	3	3	3
11	Mr. S. Rama Krishna	Assoc. Prof	3	3	3	3	3	2	2	3	3	3	3	3	3	3
12	Mr. D. Suresh Kumar	Assoc. Prof	3	3	2	3	3	3	2	2	3	2	3	2	3	3
13	Mrs. Ch. Gayatri	Assoc. Prof	3	3	3	3	3	3	3	3	3	2	2	2	3	3

No	Name	Designation														
14	Mrs. M. Sujatha	Assoc. Prof	3	2	2	3	3	2	2	2	3	3	3	3	3	3
15	Mrs. R. DivyaKanthi	Asst. Prof	3	3	3	3	3	3	2	2	3	3	2	3	3	3
16	Mr. Sk. Azeez	Asst. Prof	3	3	3	2	2	2	3	2	2	2	3	3	2	2
17	Mr. P.V. Y. S. S. Sudir	Asst. Prof	3	3	3	2	3	3	2	2	3	3	2	1	1	2
18	Mr. S. Suresh Kumar	Asst. Prof	3	2	3	3	2	2	3	2	2	3	3	2	2	1
19	Ms. J. Priyanka	Asst. Prof	3	3	3	2	3	2	2	3	3	3	3	3	3	3
20	Mr. P. Hareesh	Asst. Prof	3	2	2	1	2	1	1	2	3	2	1	3	3	2
21	Ms. B. Rama Devi	Asst. Prof	3	3	3	2	3	2	2	1	3	2	1	2	2	2
22	Mr. D. Venkatachari	Asst. Prof	3	2	3	3	3	3	2	3	3	3	3	3	3	3
23	Mrs. A. Phani Madhuri	Asst. Prof	3	3	3	2	3	3	1					1	1	2
24	Mr. M. Ravindra Kumar	Asst. Prof	3	2	2	2	3	3	3	2	3	2	2	1	2	3
25	Mr. S. S. Kiran	Asst. Prof	3	3	3	3	2	2	2	2	2	2	2	3	3	3
26	Mrs. P. Srujana	Asst. Prof	3	3	2	2	3	2	2	2	3	2	2	3	2	2
27	Mrs. K. Gayatri	Asst. Prof	3	3	3	3	3	2	1					2	1	2
28	Mr. J. Siddartha Varma	Asst. Prof	2	2	2	2	3	2	3	3	3	2	2	2	2	2
29	Mr. K. Gurucharan	Asst. Prof	3	3	3	3	2	2	2	2	3	2	2	3	2	2
30	Mrs. S. Durga Madhuri	Asst. Prof	3	2	2	2	3	3	2	3	3	2	1	2	2	2
31	Mrs. G. V. Sai Swetha	Asst. Prof	3	2	2	3	2	3	3	2	2	3	3	2	3	3
32	Mrs. B.V.Rama Gowri	Asst. Prof	3	2	2	2	2	3	3	3	3	3	3	2	2	3
33	Dr. T. Anilkumar	Asst. Prof	2	2	2	2	3	3	3	3	3	2	2	2	2	3
	Average		2.9	2.67	2.64	2.48	2.67	2.42	2.27	2.32	2.81	2.452	2.355	2.424	2.455	2.485

R. V. Ch. Sekha Rao
Faculty-In-Charge

Head of the Department

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E &Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112
E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ANALYSIS REPORT OF FACULTY SURVEY ON CURRICULUM
(2020-21 ACADEMIC YEAR)

S.No	Program Outcomes & Program Specific Outcomes	PO/PSO	Overall Rating Obtained (For Scaling of 3)
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	PO1	2.90
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	PO2	2.67
3	Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	PO3	2.64
4	Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.	PO4	2.48
5	Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.	PO5	2.67
6	Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	PO6	2.42
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	PO7	2.27
8	Apply ethical principles and commit to professional ethics and responsibilities and norms	PO8	2.32

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E &Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

	of the engineering practice.		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	PO9	2.81
10	Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.	PO10	2.45
11	Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	PO11	2.35
12	Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	PO12	2.42
13	Capable of design, develop, test, verify and implement analog and digital electronics and communication engineering systems and products.	PSO1	2.45
14	Qualify in national and international competitive examinations for successful higher studies and employment.	PSO2	2.48

Comments and Observations on curriculum:

1	Curriculum is implementing with upcoming technologies
2	The curriculum has reasonable practical and laboratory skills for analysis and design.
3	Curriculum is well structured.
4	Curriculum designing is good.
5	The syllabus has good balance between theory and laboratory work.
6	Well designed curriculum and value added courses are good.
7	Syllabus should not be so lengthy
8	There should be regular updations in syllabi if required
9	Project based learning should be inculcated.
10	Hands on experiential learning should be practised.
11	Focusing on innovation and incubation activities.
12	The syllabus of ADC was lengthy in R19 regulation.

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institution

(Approved by A.I.C.T.E &Permanently Affiliated to JNTU,Kakinada)

Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)

Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005

Phone No. 08922-241111, 241112

E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

13	Need to provide more ICT based education.
14	Introduce any skill development course in second year level like PCB design or similar kind.
15	Include Noise Calculations in digital communication systems
16	Incorporate subjects like deep learning using python.
17	Introduce subject like Aurdino Programming.
18	Add Pulse and Digital Circuits Course.
19	Conduct more industrial visits and guest lectures
20	Conduct more workshops related to signal processing.
21	Types of sampling concept need to be included in SS Lab and Subject.
22	Topics to be introduced with respect to suitability of antennas to specific wave propagation environments as well as modern communication applications.
23	Certain subject's syllabus needs to be modified as per the industry needs.
24	Project based learning should be inculcated.
25	Hands on experiential learning should be practised.
26	Focusing on innovation and incubation activities.
27	The syllabus of ADC was lengthy in R19 regulation.
28	Need to provide more ICT based education.
29	Introduce any skill development course in second year level like PCB design or similar kind.
30	Include Noise Calculations in digital communication systems
31	Incorporate subjects like deep learning using python.
32	Introduce subject like Aurdino Programming.
33	Add Pulse and Digital Circuits Course.
34	Conduct more industrial visits and guest lectures
35	Conduct more workshops related to signal processing.
36	Types of sampling concept need to be included in SS Lab and Subject.
37	Topics to be introduced with respect to suitability of antennas to specific wave propagation environments as well as modern communication applications.
38	Certain subject's syllabus needs to be modified as per the industry needs.

PRINCIPAL

PRINCIPAL
Lendi Institute of Engineering & Technology
Jonnada (V). Denkada (M)
Vizianagaram - 535 005

HOD-ECE

Head of the Department
Dept. of Electronics & Communication Engg.
LENDI Institute of Engineering & Technology
Jonnada (Vill), Denkada (Mdl.)
Vizianagaram Dist. 535005.

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E &Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
Phone No. 08922-241111, 241112
E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ACTION TAKEN REPORT OF FACULTY SURVEY ON CURRICULUM
(2020-21 ACADEMIC YEAR)

S.No	Suggestions & Observations	Actions Taken
1	Project based learning should be inculcated.	Project based learning already inculcated among students with the establishment and Strengthening of Projects Lab in ECE Department.
2	Hands on experiential learning should be practised.	Already Hands on experiential learning was introduced and practised in different laboratories such as DSP,VLSI,IoT etc.
3	Focusing on innovation and incubation activities.	Innovation and Incubation Centre is already established in the college and faculty are instructed for efficient utilization
4	The syllabus of ADC was lengthy in R19 regulation.	ADC was split into two courses namely Analog Communication (R20ECE-PC2201) and Digital Communications (R20ECE-PC3103) and incorporated in R20 Curriculum.
4	Need to provide more ICT based education.	It is resolved already. And at present all the class rooms are ICT enabled.
5	Introduce any skill development course in second year level like PCB design or similar kind.	It is resolved and recommended to include the PCB design course for B.Tech R20 batch.
6	Include Noise Calculations in digital communication systems	As per the suggestion, the topic was already introduced in Digital Communications Course with the course code R20ECE-PC3103.
7	Incorporate subjects like deep learning using python.	It is resolved already. We have provided the course through Honours in the curriculum of B.Tech R20 batch with the course code R20ECE-HN4101.
8	Introduce subject like Aurdino Programming.	It is already incorporated in the current curriculum of R20 through the skill oriented course titled Hardware Design Engineering Lab with the course code R20ECE-

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
An Autonomous Institution
(Approved by A.I.C.T.E &Permanently Affiliated to JNTU,Kakinada)
Accredited by NAAC with "A" Grade and NBA Accredited (ECE, CSE, EEE, Mech)
Jonnada (Village), Denkada (Mandal), Vizianagaram Dist – 535 005
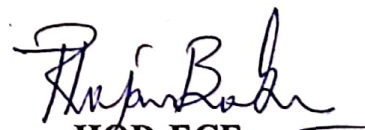Phone No. 08922-241111, 241112
E-Mail: lendi_2008@yahoo.com   Website: www.lendi.org

		SC3101
9	Add Pulse and Digital Circuits Course.	Approved and it is recommended to introduce course titled Pulse and Digital Circuits in R20 Curriculum with the course code R20ECE-MC2201.
10	Conduct more industrial visits and guest lectures	Industrial visits have been planned and incorporated to R20 students for any nearby industries. Minimum of 4 guest lecturers per semester are planned this academic year.
11	Conduct more workshops related to signal processing.	Two Workshops related to signal processing are planned to conduct during next academic year.
12	Types of sampling concept need to be included in SS Lab and Subject.	Will be considered for next curriculum design.
13	Topics to be introduced with respect to suitability of antennas to specific wave propagation environments as well as modern communication applications.	It is already incorporated in the current curriculum of R20 through the Mandatory course titled Antenna Modelling Lab with the course code R20ECE-MC3101
14	Certain subject's syllabus needs to be modified as per the industry needs.	The syllabus of IoT, Python etc subjects have been already modified according to Industry needs.

V.V—
PRINCIPAL

PRINCIPAL
Lendi Institute of Engineering & Technology
Jonnada (V), Denkada (M)

HOD-ECE

Head of the Department
Dept. of Electronics & Communication Engg.
LENDI Institute of Engineering & Technology
Jonnada (Vill), Denkada (Mdl.)
Vizianagaram Dist. 535005.