NANDHA ENGINEERING COLLEGE (AUTONOMOUS),
ERODE-52

PO/PSO Attainment

S.No	Department	Batch	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
1	Agricultural Engineering	2018-2022	80.35	80.59	78.40	81.38	79.35	81.05	77.43	79.32	77.50	87.76	81.71	76.35	77.53	72.04	73.16	71.76
2	Biomedical Engineering	2018-2022	73.89	73.32	74.17	72.28	73.60	72.76	64.35	65.84	70.86	76.61	66.05	72.04	73.31	69.94	73.83	66.93
3	Chemical Engineering	2018-2022	64.00	69.00	67.00	60.00	46.00	33.00	38.00	33.00	50.00	57.00	51.00	61.00	59.00	51.00	58.00	43.00
4	Civil Engineering	2018-2022	73.67	77.35	73.61	78.80	74.17	69.47	76.32	78.76	71.65	70.48	69.53	75.48	68.33	77.35	76.82	73.22
5	Computer Science Engineering	2018-2022	78.92	73.81	76.35	76.53	75.11	65.06	70.07	69.43	72.04	73.96	76.40	72.68	78.22	79.65	78.71	77.88
6	Electronics and Communication Engineering	2018-2022	76.00	69.00	63.00	63.00	63.00	63.00	66.00	66.00	62.00	60.00	62.00	61.00	70.00	64.00	62.00	69.00
7	Electrical and Electronics Engineering	2018-2022	68.00	73.00	75.00	74.00	68.00	69.00	48.00	47.00	52.00	46.00	70.00	68.00	78.00	73.00	58.00	74.00
8	Information Technology	2018-2022	83.20	78.40	74.00	75.50	72.70	59.10	64.70	72.10	70.90	65.60	70.00	72.00	78.80	73.50	72.00	68.00
9	Mechanical Engineering	2018-2022	72.8	66.53	66.48	65.32	66.5	54.75	48.48	53.12	65.17	53.17	65.25	66.35	70.96	65.31	55.61	56.63

NANDHA ENGINEERING COLLEGE (AUTONOMOUS) ERODE-52

PRINCIPAL
Nandha Engineering College
(Autonomous)
Erode 638 052.

NANDHA ENGINEERING COLLEGE, ERODE

DEPARTMENT OF AGRICULTURE ENGINEERING

PO ATTAINMENT FOR BATCH 2018-2022

Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
17EYA01	Professional English – I				2.59					2.90	2.63	2.80	2.68	2.29	2.87	2.68	1.54
17MYB01	Calculus and Solid Geometry	2.31	2.12	2.68	2.94	2.31	2.87	1.84		2.38	0.00	2.30		2.45	1.87	1.76	1.84
17PYB01	Physics for Engineers	2.26	2.86		2.58	2.40								2.32	1.93	1.68	2.13
17CYB01	Applied Chemistry	2.51	2.51	2.87	2.86	2.60	2.00	2.92	1.98				2.55	2.11	2.38	2.85	2.18
17EEC01	Basic Electrical and Electronics Engineering	2.27	2.01	1.76	2.61	2.03	2.26							1.76	1.32	1.22	1.52
17CSC01	Problem Solving and Python Programming	2.61	2.49	2.21	2.87	2.36	2.28	2.30			2.78	2.52		2.21	2.65	2.28	2.11
17CSP01	Problem Solving and Python Programming Laboratory	2.73	2.92	2.59		2.93				2.92	2.92	2.59		2.92	2.59	2.68	2.53
17GYP01	Physics and Chemistry Laboratory	2.75	2.55		2.98			2.45					0.60	2.22	1.47	1.97	1.62
17EYA02	Professional English – II						1.85			2.14	2.78		2.14				1.85
17MYB02	Complex Analysis and Laplace Transforms	2.50	2.30	2.69	2.17	2.94	2.53	2.81		2.56		2.50		1.91	1.89	2.57	1.86
17CYB03	Environmental Science	2.90	2.65	2.28	2.82	2.38	2.35	2.32	0.91	2.84		2.65	2.86	2.65	2.12	1.88	2.83
17AGC01	Principles and Practices of Crop Production	2.16	2.24	2.06	2.54	2.81	2.67	2.88		2.49		2.43		2.77	2.23	2.58	2.43
17MEC01	Engineering Graphics	1.88		2.22	1.88	2.10				2.23		2.24	2.23	2.14	2.14	2.60	2.55
17MEC02	Engineering Mechanics	2.60	2.33	2.21	1.86	2.41	2.60		2.51		2.80	2.43	2.41	2.60	1.64	1.68	0.92
17GYP02	Engineering Practice Laboratory	2.94			2.44	2.95	2.61		1.96	2.94	2.93	2.60	2.59	1.65	1.95	2.44	2.61
17AGC01	Crop Production and Husbandry Laboratory	2.36			2.48	2.45	2.30		2.93	2.48	2.46	2.64	2.97	2.30	2.73	2.17	2.63
17MYB03	Fourier series and Partial Differential Equation	2.51	2.71	2.13	2.55	2.72	2.95	2.95		2.95		1.97	2.23	2.94	2.51	2.45	1.90
17AGC02	Soil Science and Engineering	2.48	2.26	2.18	1.85	2.47	2.52	1.82	1.90	2.20		2.06	1.82	1.82	1.49	1.48	1.48
17AGC03	Fluid Mechanics and Hydraulics	2.48	2.29	2.54	2.87	1.92	1.89	2.87	2.40	2.41	2.88	2.85	1.89	1.71	2.15	1.91	1.91
17AGC04	Surveying and Levelling	2.34	2.10	2.55	2.85	2.43	2.88	2.93		2.46		2.34	2.53	2.29	2.07	2.35	2.27
17AGC05	Mechanics of Farm Machines	2.20	2.11	2.21	2.87	2.36	2.28	2.30					0.90	2.03	1.59	1.66	0.92
17AGC06	Thermodynamics for Agricultural Engineers	2.20	2.74	2.50		2.15		2.37	2.80	1.89		2.81	2.37	2.48	2.68	2.37	2.09

17AGP02	Surveying and Levelling Laboratory	2.94	2.95	2.61	2.95	2.94								2.94	0.98	1.97	2.95
17AGP03	Fluid Mechanics and Hydraulics Laboratory	2.74	2.95	2.94	2.93	2.95	2.92	2.95	2.95	2.93	2.92	2.95	2.96	2.95	2.45	1.95	2.92
17MYB06	Statistics and Numerical Methods	2.74	2.60	2.95	2.92	2.92		2.94				2.74	2.93	2.95	2.54	2.95	2.45
17AGC07	Heat and Mass Transfer for Agricultural Engineers	2.07	2.26	2.63	1.43									1.86	1.90	1.88	2.05
17AGC08	Crop Process Engineering	2.03	2.53	2.50	2.78	2.08								2.21	1.58	2.30	2.51
17AGC09	Farm Tractor Systems	2.81	2.81			2.81								2.81	2.63	2.43	2.25
17AGC10	Hydrology and Water Resources Engineering	1.83	2.08		1.36	2.14		0.89						1.21	0.99	1.55	1.52
17AGC11	Mechanics of Materials	2.30	2.50	2.86	2.93	1.87								2.42	2.69	1.43	2.49
17AGP04	Crop Process Engineering Laboratory	2.53	1.95	2.72	2.43	2.53	2.92	2.93	2.43	2.43	2.95	2.60	2.53	2.93	0.79	1.94	2.91
17AGP05	Farm Tractor and Engines Laboratory	2.95	2.44		2.94	2.29	2.70	2.70	2.63	2.92	3.00		2.70	2.29	2.21	2.61	2.30
17AGC12	Unit Operations in Agricultural Processing	2.05	2.54	2.00		2.31		1.87	2.44	2.49		2.28	2.55	0.88	1.43	1.14	2.49
17AGC13	Farm Implement and Equipment	2.06	2.66	2.56		1.92		2.15		2.59			2.28		1.55	1.50	1.37
17AGC14	Irrigation and Drainage Engineering	2.19	2.48	1.93		2.37	2.57	1.64	2.43	2.81			0.00		2.44	1.65	1.50
17AGC15	Bio and Thermo- chemical Conversion of Biomass	2.25		2.53	2.83	2.37		1.82					2.04		2.43	2.08	2.05
17AGX12	Soil and Water conservation	2.20	2.76	2.18	1.76	2.46		2.01	2.85	2.80		2.34	2.81	2.74	2.38	1.65	1.65
17AGP06	Unit Operations in Agricultural Processing Laboratory	2.72	2.14										2.53	2.92	2.92	2.92	2.92
17AGP07	Irrigation and Drainage Engineering Laboratory	2.72	2.14	2.93									2.43	2.92	2.92	2.92	2.92
17AGX02	Agriculture Business Management	0.93	1.88	1.49	1.18	1.49	1.38	0.92	2.78	2.78		1.40	1.31	0.93	1.68	1.68	1.51
17AGC16	Plant Protection And Harvesting Machinery	2.55	2.24	2.25	2.26									2.00	2.01	2.19	2.19
17AGC18	Design of Micro Irrigation	2.36	2.75	1.53	2.42	2.27		1.81	1.81					2.73	2.37	2.55	2.36
17AGX06	Packaging And Storage Techniques For AgriculturalCommodities	2.65	2.85	2.65	2.85	2.65	2.82	2.76	2.60	2.86		2.84	2.84	2.85	2.47	2.61	2.47
17AGX07	Seed Technology Applications	2.36	2.75	0.57	2.42	0.91		1.81	1.81					2.73	2.37	2.55	2.36
17AGX08	Watershed Managrment	2.38	2.07	2.03	2.75	2.38	1.88	2.34	2.06	2.16		2.12	2.38		2.41	1.63	1.49
17AGP08	CAD for Agricultural Engineering			2.94		2.73	2.35			0.59			2.44	2.21	1.94	2.94	1.95
17AGP09	Drawing of Farm Structures	2.34		2.53		2.34								2.92	2.92	2.92	2.92
17AGX05	Refrigeration &Air Conditioning For Agriculture Engineering	2.84	2.85	2.83		2.84	2.85							2.85	2.84	2.85	2.84

17AGX14	Building and materials of farm structures	2.61		2.44		2.44		2.53	2.82	1.88		2.57	2.55		2.44	1.65	1.51
17AGD01	Project I	2.94	2.92	2.96	2.96	2.92	2.95	2.96	2.96	2.97	2.96			2.95	2.95	2.95	2.95
17AGC17	Protected Cultivation	2.07	2.55	1.93		2.29		1.89	2.08	2.47		2.21	2.46	0.87	0.86	1.19	0.82
17AGC19	Food and Dairy Engineering	2.54	2.20	2.02		2.74								1.93	1.71	1.28	2.55
17AGC20	Testing and Management of Farm Machinery	2.37	2.37	2.21		2.19				1.66				2.53	2.36	2.21	1.70
17AGC21	Remote Sensing and GIS for Agricultural Engineers	2.40	2.12	1.46	2.19	2.40				2.40				2.00	1.97	2.36	2.14
17AGP10	Food and Dairy Engineering Laboratory	2.92	2.43	2.53		2.92				0.00				2.92	2.27	2.19	2.53
17AGP11	Operation and Maintenance of Farm Machinery Laboratory	2.92	2.53	2.53		2.53				1.95				2.73	2.73	2.92	2.73
17AGP12	Industrial training				2.99				2.99	0.00	2.99	2.99	2.99	2.99	2.99	2.49	2.99
17AGD02	Project II	2.67	2.43	2.60	2.60	1.94	2.34		1.96	2.89	2.92			2.72	2.14	2.73	1.75

PO Attainment	2.4	2.5	2.3	2.5	2.4	2.5	2.3	2.4	2.3	2.6	2.5	2.3	2.3	2.1	2.2	2.2
% of PO Attainment	81	82	78	84	81	82	77	80	77	88	82	76	78	72	72	72

SUM	132.00	117.90	110.52	100.48	120.66	66.53	71.68	56.99	81.36	39.92	66.75	75.52	122.46	122.48	123.99	124.75
DIRECT ATTAINMENT OUT OF 3	2.44	2.46	2.35	2.51	2.41	2.46	2.31	2.37	2.32	2.66	2.47	2.29	2.36	2.15	2.18	2.15
% of DIRECT ATTAINMENT	81.48	81.88	78.38	83.73	80.44	82.13	77.08	79.15	77.49	88.72	82.41	76.28	78.50	71.62	72.51	71.69
ALUMNI SURVEY	2.30	2.17	2.30	2.18	2.18	2.23	2.40	2.27	2.35	2.40	2.22	2.20	2.23	2.25	2.25	2.23
EMPLOYER SURVEY	2.10	2.30	2.40	2.00	2.10	2.10	2.10	2.40	2.10	2.60	2.50	2.40	2.12	2.00	2.25	1.87
STUDENT EXIT SURVEY	2.43	2.32	2.36	2.30	2.47	2.57	2.60	2.53	2.53	2.55	2.38	2.30	2.28	2.38	2.32	2.38
INDIRECT ATTAINMENT	2.28	2.26	2.35	2.16	2.25	2.30	2.37	2.40	2.33	2.52	2.37	2.30	2.21	2.21	2.27	2.16
OVER ALL ATTAINMENT	2.41	2.42	2.35	2.44	2.38	2.43	2.32	2.38	2.33	2.63	2.45	2.29	2.33	2.16	2.19	2.15
% OVER ALL ATTAINMENT	80.35	80.59	78.40	81.38	79.35	81.05	77.43	79.32	77.50	87.76	81.71	76.35	77.53	72.04	73.16	71.76

2/2/23.

NANDHA ENGINEERING COLLEGE (AUTONOMOUS), ERODE - 638052

DEPARTMENT OF BIOMEDICAL ENGINEERING

OVERALL ATTAINMENT OF PO AND PSO

BATCH : 2018 - 2022 (REGULATION - R17)

TARGET LEVEL - 72%																	
S.No	Courses (All courses from I year to IV year)	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
1	C101 - Professional English - I	0	0	0	0	0	2	0	0	1	2	0	2	0	0	0	1
2	C102 - Calculus and Solid Geometry	2	1	1	1	1	1	0	0	0	0	1	1	0	1	0	1
3	C103 - Physics for Engineers	0	2	1	0	1	1	0	0	1	1	1	1	1	1	0	1
4	C104 - Applied Electrochemistry	2	0	1	0	0	1	1	0	0	0	0	0	1	1	1	1
5	C105 - Python Programming	2	2	1	1	1	0	0	1	1	1	1	2	1	2	2	2
6	C106 - Electronic Devices	2	2	1	2	0	1	0	0	1	0	1	2	2	1	1	1
7	C107 - Python Programming Laboratory	3	2	2	0	2	1	2	0	0	0	2	1	2	2	0	2
8	C108 - Engineering Practices Laboratory	3	1	2	0	3	0	2	0	1	0	0	2	3	2	0	2
9	C109 - Professional English - II	3	3	2	1	2	2	1	2	0	0	0	2	2	2	0	2
10	C110 - Complex Analysis and Laplace Transforms	0	1	0	0	0	2	0	0	1	3	0	1	0	0	3	0

11	C111 - Physics for Biomedical Engineers	0	1	0	0	0	1	2	2	0	2	1	2	0	0	2	0
12	C112 - Chemistry for Biomedical Engineers	2	1	0	0	1	1	0	0	0	0	1	1	2	1	0	1
13	C113 - Engineering Graphics	2	1	1	0	1	1	1	1	0	0	1	1	1	1	0	1
14	C114 - Circuit Theory	3	0	2	1	0	2	2	1	1	0	1	1	2	2	0	1
15	C115 - Physics and Chemistry Laboratory	2	1	0	1	0	2	1	0	0	0	1	1	1	0	0	1
16	C116 - Circuits and Devices Laboratory	2	2	2	2	1	1	0	1	0	0	1	1	1	1	0	1
17	C201 - Transforms and Partial Differential Equations	2	1	3	1	0	2	0	0	0	3	2	1	2	2	0	2
18	C202 - Basics of Electrical Engineering	2	3	3	3	2	3	2	2	0	0	3	2	2	2	0	1
19	C203 - Engineering Mechanics for Biomedical Engineers	0	0	0	0	0	1	0	1	1	3	1	1	0	0	2	0
20	C204 - Data Structures and Algorithms	2	1	1	1	2	1	1	1	1	1	1	2	1	1	0	1
21	C205 - Digital Logic Design	2	2	0	2	0	0	0	2	0	0	0	2	2	2	0	2
22	C206 - Anatomy and Human Physiology	2	2	2	2	1	1	1	1	0	0	1	1	2	2	0	2
23	C207 - Digital Logic Design Laboratory	1	1	0	1	1	1	1	1	0	0	0	1	1	1	0	1
24	C208 - Human Physiology Laboratory	2	2	1	1	0	1	0	2	1	1	0	2	1	0	0	1
25	C209 - Probability and Random Processes	1	1	0	0	0	1	2	0	0	0	0	2	1	2	0	0
26	C210 - Signals and Systems	3	3	3	3	0	2	1	0	2	0	0	2	2	3	0	3
27	C211 - Analog Circuit Design	2	2	3	3	2	2	2	0	2	0	0	2	3	2	0	3

28	C212 - Sensors and Signal Conditioning	3	1	1	3	2	2	1	0	3	0	3	2	2	3	0	2
29	C213 - Bio Control Systems	1	2	1	1	0	3	2	2	3	3	1	2	0	0	2	0
30	C214 - Fundamentals of Java Programming	2	1	0	0	0	0	0	0	0	0	1	1	2	2	0	1
31	C215 - Analog Circuit Design Laboratory	1	1	1	1	0	2	0	1	0	0	1	1	1	1	0	1
32	C216 - Sensors and Signal Conditioning Laboratory	0	2	2	2	0	1	0	0	0	0	1	0	2	2	0	1
33	C301 - Environmental Science	1	1	2	2	2	0	0	0	0	0	0	0	2	2	0	3
34	C302 - Principles of Management	1	2	2	1	1	0	0	0	0	0	1	1	1	1	0	1
35	C303 - Analog and Digital Communication	2	2	2	1	2	1	0	0	2	0	2	2	0	2	1	2
36	C304 - Biosignal Processing	2	3	2	2	2	1	0	0	2	0	3	3	0	3	1	2
37	C305 - Bio Medical Instrumentation - I	1	0	1	0	0	1	0	0	0	0	0	0	0	1	2	2
38	C306 - Biomechanics	2	2	2	0	1	0	0	0	0	1	0	1	0	0	1	2
39	C307 - Biosignal Processing Laboratory	1	1	1	1	0	3	1	2	3	3	1	2	0	0	2	0
40	C308 - Biomedical Instrumentation - I Laboratory	2	2	2	2	2	0	0	2	0	0	2	2	2	2	0	2
41	C309 - Microprocessors and Microcontrollers Interfacing	2	2	2	1	2	1	0	0	2	0	2	2	0	2	1	2
42	C310 - Medical Image Processing	2	2	2	2	2	0	0	0	0	0	1	2	2	2	0	1
43	C311 - Biomedical Instrumentation - II	1	0	1	0	0	1	0	0	0	0	0	0	0	1	2	2
44	C312 - Biomaterials	2	3	2	2	2	1	0	0	2	0	3	3	0	3	1	2

45	C313 - Telehealth Technology	2	2	2	0	0	2	1	2	0	0	2	1	1	0	0	0
46	C314 - Web Services	2	3	3	3	3	3	0	0	0	0	0	2	3	2	0	2
47	C315 - Microprocessors and Microcontrollers Laboratory	2	2	3	3	3	3	0	0	0	0	0	2	2	3	0	2
48	C316 - Biomedical Instrumentation - II Laboratory	1	1	1	0	0	0	0	0	2	3	1	2	3	0	2	0
49	C401 -Medical Imaging Techniques	2	3	2	1	2	1	0	0	2	0	2	3	0	3	1	2
50	C402 - Rehabilitation Engineering	2	1	2	0	1	1	1	0	0	0	0	0	2	2	2	2
51	C403 - Physiological Modeling	2	3	2	2	0	3	0	0	3	0	0	0	2	2	1	2
52	C404 - Artificial Organs and Implants	1	2	2	2	2	1	0	0	2	0	3	2	2	2	0	2
53	C405 - Employability Enhancement and Analytical Skills - I	2	2	2	2	2	2	0	2	0	0	0	2	2	1	0	2
54	C406 - Hospital Internship	2	2	0	1	0	0	2	0	1	0	1	1	1	0	0	0

55	C407 - Project Work - I	2	2	3	3	3	2	0	0	0	0	1	2	3	2	0	2
56	C408 - Hospital Management	1	1	1	1	1	1	0	2	0	0	2	1	2	3	0	2
57	C409 - Process Instrumentation	1	1	0	1	0	1	0	0	2	3	1	2	3	0	2	0
58	C410 - Project Work - II	1	2	1	2	1	1	1	1	0	1	1	2	2	1	0	2
SUM		92.25	88.36	81.09	64.33	55.69	69.88	29.26	29.24	42.18	30.78	52.09	80.58	76.73	80.42	32.35	76.97
DIRECT ATTAINMENT OUT OF 3		1.59	1.52	1.40	1.11	0.96	1.20	0.50	0.50	0.73	0.53	0.90	1.39	1.32	1.39	0.56	1.33
% of DIRECT ATTAINMENT		53.02	50.78	46.61	36.97	32.00	40.16	16.82	16.81	24.24	17.69	29.93	46.31	44.10	46.22	18.59	44.24
ALUMNI SURVEY		2.85	2.74	2.88	2.78	2.57	2.65	2.59	2.35	2.62	1.98	2.39	2.82	2.61	2.48	1.95	2.14
EMPLOYER SURVEY		2.76	2.84	2.66	2.35	2.69	2.50	2.28	2.44	2.59	2.05	2.42	2.77	2.58	2.44	2.13	2.54
STUDENT EXIT SURVEY		2.40	2.40	2.30	2.30	2.40	2.40	2.30	2.40	2.30	2.30	2.40	2.30	2.40	2.30	2.40	2.40
INDIRECT ATTAINMENT		2.67	2.66	2.61	2.48	2.55	2.52	2.39	2.40	2.50	2.11	2.40	2.63	2.53	2.41	2.16	2.36
OVER ALL ATTAINMENT		2.22	2.11	2.23	2.14	2.21	2.12	1.93	1.98	2.13	2.30	1.98	2.10	2.20	2.10	2.21	2.01
% OVER ALL ATTAINMENT		73.89	73.32	74.17	72.28	73.60	72.76	64.35	65.84	70.86	76.61	66.05	72.04	73.31	69.94	73.83	66.93
PO ATTAINED: PO1, PO2, PO3,PO4,PO5,PO6,PO10 & PO12									PO NOT ATTAINED: PO7,PO8, PO9 & PO11								
PSO ATTAINED: PSO1 & PSO3									PSO NOT ATTAINED: PSO2 & PSO4								

Academic Coordinator

HoD

NANDHA ENGINEERING COLLEGE, ERODE

DEPARTMENT OF CHEMICAL ENGINEERING

PO ATTAINMENT FOR BATCH 2018-2022

Course Code	Course Name	FACULTY	Cos Avg	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
17EYA01	Professional English I	Mr.K.Saravanan/ English	CO									2	3	2	2				
17MYB01	Calculus and Solid Geometry	Mrs. R. Amutha/ Maths	CO	3	2	1	2	2	1	1	1	2		1		1	1		1
17PYB01	Physics for Engineers	Mrs.P.Roopa/ Physics	CO	2	1		1	1											
17CYB01	Applied Chemistry	Dr.M.Vijayalakshmi/ Chemistry	CO	2	1	2	3	1	1	1	1				1	1	1	1	1
17MEC01	Engineering Graphics	Mr.M.Sampathkumar/ Mech	CO	2		2	2	1				2		2	2				
17CSC01	Problem Solving and Python Programming	Mrs.S.Maheswari /CSE	CO	1	1	1							1	1					
17GYP01	Physics and Chemistry Laboratory	Mrs.Roopa & Ms.N.Santhiya	CO	1	2		2			1					3				
17CSP02	Python Laboratory	Mrs.S.Maheswari CSE	CO	3	3	3		3				3	3	3					
17EYA02	Professional English – II	Mr.K.Saravanan/ English	CO									2	3	2	2				
17MYB02	Complex Analysis and Laplace Transforms	Mrs. R. Amutha/ Maths	CO	3	2	1	2	1	1	1		1		1		1	1	1	1
17PYB06	Physics of Materials and Fluids	Mrs.P.Roopa (Phy)	CO	1	1		1												
17CYB03	Environmental Science	Dr.M.Vijayalakshmi/ Chemistry	CO	1		1			1	2						1	1	1	1
17CHC01	Introduction to Chemical Engineering	Mr.G.Mohankumar (Chem)	CO	2	1	1	1	1	1	1	1					3	1	1	1
17EEC01	Basic electrical and electronics Engineering	Mr.Arunkumar (EEE)	CO	1	2	2	1	2						1	1				
17GYP02	Engineering Practices Lab	Mr.Krishnagandhi (EEE)	CO	1			1	1	1		1	1		1	1				
17CHP01	Chemical Analysis Lab	Mr.S.Pandiarajan (Chem)	CO	3	3	2	3		1	1					2	2	2	2	3
17MYB03	Fourier Series, Partial Differential Equations	Mrs. R. Amutha/ Maths	CO	3	2	1	1								2	1	1	1	1
17MEC07	Heat Power Engineering	Mr.R.Raj kumar / Mech	CO	2	2	1	1	1				1		1	1	2	1	1	1
17CHC02	Industrial Chemistry	Mr.A.Sakthisaravanan/ Chemical	CO	2	2	1	1	1	1	2	1			1	2		1	1	1
17CHC03	Material Technology	Mr.S.Pandiarajan (Chem)	CO	3	2	2	1	1	1	2	1			1	2		2	2	1
17CHC04	Chemical Engineering Fluid Mechanics	Mr.K.Rajasekaran (Chem)	CO	2	2	2	2	1							2	3	1	2	1
17CHC05	Chemical Process Calculations	Mr.G.Mohankumar (Chem)	CO	3	1	1	1		1	1				2		2	1	1	3
17CHP02	Chemical Technology Laboratory	Mr.A.Sakthisaravanan/ Chemical	CO	2	2	1	1	1	1	1						2	1	1	1
17CHP03	Fluid Mechanics Laboratory	Mr.K.Rajasekaran (Chem)	CO	1	3	2	3	2								2	2	2	1
17MYB07	Numerical Methods	Mrs. R. Amutha/ Maths	CO	3	1	2	1	1							1	1	1	1	1
17CHC06	Process Organic Synthesis	Ms.T.Poornima (Chem)	CO	1	1	1	1		1	1						1	1	1	1
17CHC07	Process Heat Transfer	Mr.K.Rajasekaran (Chem)	CO	3	2	1									1	2	2		2
17CHC08	Mechanical Operations	Mr.Sampathkumar(Chem)	CO	2	2	1	1	1							1	2	2	1	1
17CHC09	Chemical Engineering Thermodynamics	Dr.A. Murugesan /Chemical	CO	1	2	3	1	1	1							1	1	1	2
17CHX01	Oil and Natural Gas Engineering	Mr.S.Pandiarajan (Chem)	CO	1	2	2	3	2	1							2	1	2	2
17CHP04	Physical and Organic Chemistry laboratory	Mr.A.Sakthisaravanan/ Chemical	CO	1	2	3	1	1	2							1	1	1	2
17CHP05	MECHANICAL OPERATIONS LABORATORY	Mr.Sampathkumar(Chem)	CO	3	3	3	2	2								3	1	2	2

17CHC10	Mass Transfer I	Mr.S.Pandiarajan (Chem)	CO	3	3	3	1	1		1					3	2	1	3	1
17CHC11	CHEMICAL PROCESS INDUSTRIES	Mr.K. Rajasekaran / Chemical	CO	2					1	2				2	2	2	2	1	3
17CHC12	Chemical Reaction Engineering	Dr.A.Murugesan/Chemical	CO	3	3	3	3									2	1	3	1
17CHC13	CHEMICAL EQUIPMENT DESIGN I	Ms. Pooja/ Chemical	CO	1	2	3	2		1	1		1				2		2	
17CHX02	BIOCHEMICAL ENGINEERING	Mr.M.C.Jawahar Chemical	CO	3	3	3	3	1	1			1		1	1		1	1	1
17CHX06	Petroleum Refining Engineering	Mr.B.Vinothkumar / Chemical	CO	1	1	2	1	2								1	1	1	1
17CHP06	Process Heat Transfer Laboratory	Mr.S. Pandiarajan / Chemical	CO	3	3	1	2			1					1	2	2	2	1
17CHP07	Chemical Reaction Engineering Laboratory	Dr.A. Murugesan /Chemical	CO	1	1	1	2	1				1				2	1	3	1
17CHC14	Mass Transfer –II (Embedded)	Mrr.S.Pandiarajan/ Chemical	CO	3	3	2	1			1						3	2	2	1
17CHC15	Chemical Equipment Design - II	Mr.K. Rajasekaran / Chemical	CO	2	2	3		1								1			1
17CHC16	Process Instrumentation Dynamics and Control	Mr.A. Sakthisaravanan/Chemical	CO	1	1	1	1	1						1	1	1	1	1	1
17CHC17	Chemical Process Plant Safety and Hazard Analysis	Mr.B.Vinothkumar / Chemical	CO	3	2		1	2	3	1		3	3					2	1
17CHX11	Air Pollution and Control	Mr.K. Rajasekaran / Chemical	CO	2		2			1	3						2	2	1	1
17GEA03	Total Quality Management	Mr.A. Sakthisaravanan/Chemical	CO				1	1		3	1		1			3	3	3	3
17CHP08	Process Computation Laboratory	Mr.K. Rajasekaran / Chemical	CO	1	1	2	1	1								1	1	1	1
17CHP09	Industrial Training	Ms.N.Pooja / Chemical	CO	2	1	1			2	2	3	2	2	2		3	2	2	2
17GED06	Comprehension	Mr.K. Rajasekaran / Chemical	CO	3	3	2										1			2
17CHC18	Process Engineering Economics and Management	Mr.M.C.Jawahar Chemical	CO	3	3	2	2	2	1			2		3	3		3	1	1
17CHC19	Transport Phenomena	Mr.A. Sakthisaravanan/Chemical	CO	2	2	2	2	1						1		1	1	1	2
17CHC20	Process Modeling and Simulation	Ms.M.Geetha / Chemical	CO	1	1	1	1	2						1		1	1	1	1
17CHX07	Drugs and Pharmaceuticals Technology	Mr.A. Sakthisaravanan/Chemical	CO	1	1	1	1	2	1	1	1					1	1	1	1
17CHP10	Process Dynamic and Control Laboratory	Mr.M.C.Jawahar Chemical	CO	3	3	3	2	2						2	2	3	3	3	3
17CHD01	Project work I	Dr.A.Murugesan / Chemical	CO	1	1	3	2	1	1		1		1			1	1	1	1
17CHX16	Pulp and Paper Technology	Ms.M.Geetha / Chemical	CO	1	1	1		1	1							1	1	1	1
17CHD02	Project Work – II	Dr.A. Murugesan /Chemical	CO	1	2	1	3	2	1		1		1			2	2	2	1

Direct Assessment (PO Attainment)			1.9	2.1	2.0	1.8	1.4	1.0	1.1	1.0	1.5	1.7	1.5	1.8	1.8	1.5	1.8	1.3
% of Direct Assessment (% of PO Attainment)			64	69	67	60	46	33	38	33	50	57	51	61	59	51	58	43

Faculty Incharge

HOD/Chemical

NANDHA ENGINEERING COLLEGE, ERODE
DEPARTMENT OF CIVIL ENGINEERING
PO & PSO ATTAINMENT FOR BATCH 2018-2022

Code	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
C101	17EYA01	Professional English - I									2	3	2	3	1			1
C102	17MYB01	Calculus and Solid Geometry	2	3	2	1	1	1			2		2		2	2	1	
C103	17PYB01	Physics for Engineers	2			2	2			1.8					1	1	0.5	1
C104	17CYB01	Applied Chemistry		1	1	2	2	1.5	2	3				1	1			1
C105	17MEC01	Engineering Graphics	1	1	2	2	1	1	2		1		2	1		1	2	
C106	17CEC01	Fundamentals of Engineering Mechanics	2	1.3	0.7			0.7			0.7	0	0.7	0.7	1.3	1.3	0.7	0.7
C107	17GYP01	Physics and Chemistry Laboratory	1.8	1.8		1			2					0.5		1.63	1.16	0.69
C108	17GYP02	Engineering Practices Laboratory	1.6			3	2.5	1.6		2.5	1.8	2	2.5	2			1.4	1
C201	17EYA02	Professional English – II									2	3	2	3	1			1
C202	17MYB02	Complex Analysis and Laplace Transforms	2	1.8	2	1	2	1	1		2		2		2	2	1	2
C203	17PYB03	Materials Physics	1.5	2	2	-	-	-	-	-	-	-	0.54	0.93	-	-	-	-
C204	17CYB03	Environmental Science	2	-	-	-	-	-	-	-	1.8	-	1.9	1.9				0.7
C205	17EEC01	Basic Electrical and Electronics Engineering	1		1		1			2	1				1			1
C206	17CSC01	Problem Solving and Python Programming	1.4	1.5	1.5	-	-	-	-	-	-	1	1	-	1.5	0.5	0.5	-
C207	17CSP01	Problem Solving and Python Programming Laboratory	3	2	2	-	1	-	-	-	2	1	2	-	3	3	3	3
C208	17CEP01	Building Drawing – I		2	2		1		2	0			1		1.3	1.3		0.3
C301	17MYB03	Fourier Series and Partial Differential Equations	2	2	2	1	2		1	-	1	-	1	1	1	3	1	2
C302	17CEC02	Engineering Geology	2.5	3		3	2.3		2.5		3			2.5	1.8	1.5	1.3	1.3
C303	17CEC03	Mechanics of Solids – I	2	3	2	3	2				3			2	2	3	2	3
C304	17CEC04	Mechanics of Fluids	0.65	0.8	0.7		1		2				1		1.3	1.3		0.3
C305	17CEC05	Building Materials#	2	3	1.8	3	2				3			2	2	3	2	3
C306	17CEC06	Surveying	0.7	2	2	3	2	-	-	-	-	-	-	-	1	1	2	2
C307	17CEP02	Surveying Laboratory	2	1.8	2	3	2	-	-	-	-	-	-	-	1	1	2	2
C401	17MYB07	Numerical Methods	2	2	2	1	2		1		1		1	1	1	3	1	2
C402	17CEC07	Mechanics of Solids – II	2	1.8	3	2								1.8	2	2	2	3
C403	17CEC08	Soil Mechanics#	1.8	2	2									2	3	2	3	1
C404	17CEC09	Highway Engineering	3	2	2	2								2	1.8	2		1
C405	17CEC10	Applied Hydraulics Engineering	1	2			2		1			1	1	2	1	1	1	1
C406	17CEC11	Concrete Technology	2	2	1.8	2								2	2	3		1

C407	17CEP03	Building Drawing –II			3	2	2		3			2	3	3		2	2	3
C408	17CEP04	Hydraulics Engineering Laboratory	2	2	3	2	3		3			2	3	3		2	2	3
C501	17CEC12	Structural Analysis – I	2.2	2	2	2	2	0.4	2.2	1.8	2.4	1.8	0.4	2	3	2	3	1
C502	17CEC13	Design of Reinforced Concrete Elements	2.8	2.8	2	1.67	2	1.75		3		1.75	1.5		2	1.6	2.4	
C503	17CEC14	Foundation Engineering	2	2	3	2	3		3			2	3	3		2	2	3
C504	17CEC15	Water Resources and Irrigation Engineering	2	2	3	2	3		3			2	3	3		2	2	3
C505	17CEX07	Railways, Airports and Harbour Engineering	2	2	3		2	3	3	2				2	2	2	3	2
C506	17CEX06	Housing Planning and Management		2	2	1	2	-	-	-	-	-	-	-	1	1	2	2
C507	17CEP05	Concrete and Highway Engineering Laboratory	3	2	3	2								3	3	3		1
C601	17CEC16	Structural Analysis – II	2.8	3	2	2	2	0.4	2.2	1.8	2.4	1.8	0.4	2	2.8	2	3	1
C602	17CEC17	Design of Steel Structures	2	2	3	3		2	3	3	2			2	2	3	3	2
C603	17CEC18	Design of Reinforced Concrete Structures	2.8	3	2	2	2	0.4	2.2	1.8	2.4	1.8	0.4	2	2.8	2	3	1
C604	17CEC19	Environmental Engineering#	2	2	3	3		2	3	3	2			2	2	3	3	2
C605	17CEX15	Environemental Impact Assessment		1.8	2	2			2		2			2	1	1.8	1	1.5
C606	17CEX23	Prefabricated Structures		1.5	2	2								2	1	2	1	1.7
C607	17CEX03	Construction Planning and Scheduling	2	2	3			3		3	2	2	3	2	2	1	2	1
C608	17CEP07	Design and Drawing Laboratory	2	3	2		1					2	3				2	2
C609	17CEP08	Survey Camp*	2	3	2			3				2	3				3	3
C701	17CEC20	Estimating, Costing and Valuation	3	2	1	2	3	2	2	2	1	2	2	2	0.8		2	3
C702	17CEC21	Construction Techniques, Equipment and Practice	2	2.5	-	2.2	-	3	-	2			2	1.8	2	2	2	2
C703	17CEX14	Disaster Mitigation management	2.6	2.6	3	3	2				3			2.3	1.8	3	2	2.5
C704	17CED01	Design Project	2	2	1	2	2	2	2	2	1	1	2	2	0.8		2	3
C801	17CEX10	Industrial Waste Treatment and Disposal		1.5	1		1.7							2	1.5	3	2	3
C802	17CEX13	Repair and Rehabilitaion of Structures		2	2	2.5	2.7							2.7	1.5	2	2	3
C803	17CED02	Project Work	2	2	1	2		1	1	2	1	0.8	2	1.7			2	3

SUM	88.15	97.5	91.5	77.37	66.2	30.75	51.1	36.7	48.5	35.95	55.34	79.83	70	82.93	81.96	88.69
DIRECT ATTAINMENT OUT OF 3	2.00	2.07	2.03	2.09	1.95	1.62	2.13	2.16	1.87	1.71	1.79	2.00	1.67	1.97	1.91	1.81
% of DIRECT ATTAINMENT	66.78	69.15	67.78	69.70	64.90	53.95	70.97	71.96	62.18	57.06	59.51	66.53	55.56	65.82	63.53	60.33
ALUMNI SURVEY	2.4	2.6	2.2	2.5	2.61	2.5	2.4	2.4	2.7	2.4	2.2	2.75	2.6	2.5	2.51	2.6
EMPLOYER SURVEY	2.45	2.5	2.45	2.61	2.5	2.5	2.45	2.6	2.2	2.5	2.56	2.2	2.5	2.65	2.75	2.45
STUDENT EXIT SURVEY	2.4	2.6	2.5	2.8	2.4	2.65	2.5	2.7	2.4	2.65	2.4	2.65	2.2	2.85	2.85	2.7
INDIRECT ATTAINMENT	2.42	2.57	2.38	2.64	2.50	2.55	2.45	2.57	2.43	2.52	2.39	2.53	2.43	2.67	2.70	2.58
OVER ALL ATTAINMENT	2.21	2.32	2.21	2.36	2.23	2.08	2.29	2.36	2.15	2.11	2.09	2.26	2.05	2.32	2.30	2.20
% OVER ALL ATTAINMENT	73.67	77.35	73.61	78.80	74.17	69.47	76.32	78.76	71.65	70.48	69.53	75.48	68.33	77.35	76.82	73.22

16/2/23

10/02/2023

NANDHA ENGINEERING COLLEGE (AUTONOMOUS), ERODE - 638052
DEPARTMENT OF CSE
OVERALL ATTAINMENT OF CO - PO & CO - PSO
BATCH : 2018 - 2022

Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
C101	17EYA01 - Professional English - I						1.00			2.00	2.00		2.00				1.40
C102	17MYB01 - Calculus and Solid Geometry	2.00	1.00	1.00	1.00	1.00	1.00			1.00		1.00	1.00		1.00		1.20
C103	17PYB02-Physics for Computer Engineers	1.80	1.00	1.25	1.00	1.00	1.00						1.20	1.00			1.00
C104	17CYB03-Environmental Science	1.40	1.00	1.20			1.00	1.20						1.00	1.00	1.00	1.00
C105	17CSC02-Python Programming	2.00	1.60	2.00	1.00	2.00			1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
C106	17MEP01-Engineering Graphics Laboratory	2.00	2.40	1.00	1.40	2.20	1.00	1.00	1.40	2.00	1.00	1.00	1.40	1.80	1.80	2.00	1.00
C107	17CSP02-Python Programming Laboratory	2.80	2.20	1.25	2.20		1.00			1.67	1.00	2.00	2.00	3.00	3.00	3.00	3.00
C108	17EYA02-Professional English- II						1.00			2.00	2.00		2.00				1.40
C109	17MYB02-Complex Analysis and Laplace Transforms	2.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00		1.00
C110	17PYB04-Applied Physics	1.40	1.00	1.00	1.00								1.00	1.00			1.00
C111	17CYB04-Chemistry for Computer Engineers	1.40	1.00	1.00	1.50		1.00	1.33		1.00	1.00	1.00	1.00				1.00
C112	17CSC03-Structured Programming	3.00	2.60	3.00	2.00	3.00			1.00	1.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C113	17ECC04-Basics of Electronics Engineering	2.00	2.00	1.60	2.00	1.50	1.00	1.00					1.00				
C114	17CSP03-Structured Programming Laboratory	2.80	2.20	1.25	2.20		1.00			1.67	1.00	2.00	2.00	3.00	3.00	3.00	3.00
C115	17ECP02-Electronics Laboratory	3.00	3.00	3.00	2.00	2.00	2.00	2.00			3.00	2.00	2.00				
C201	17MYB04-Probability and Statistics	2.00	1.00		2.00	1.00							1.00		1.00		1.00
C202	17CSC04-Data Structures using Python	2.20	2.00	3.00	3.00			3.00	2.00			1.60	3.00		3.00	3.00	3.00
C203	17ITC01-OOPS using JAVA	2.20	2.20	3.00	3.00	2.80	1.25	3.00	2.80	2.00	2.00	3.00	3.00	3.00	3.00	2.60	2.00
C204	17CSC05-Operating Systems	2.60	1.67	2.50	3.00		1.50	1.00	1.00		1.00	1.00	2.50	2.40	1.75	1.00	1.20
C205	17ECC09-Digital Principles and System Design	1.80	1.60	1.50	1.00	1.75							1.00	1.60	1.40	1.25	
C206	17CSC06-Microprocessor and Computer Architecture	0.60	0.00	0.80		1.00			0.00			0.50	0.20	1.00	1.00	0.40	0.50
C207	17ITP01-OOPS using JAVA Laboratory	2.20	2.20	3.00	3.00	2.80	1.25	3.00	2.80	2.00	2.00	3.00	3.00	3.00	3.00	2.60	2.00

C208	17CSP04-Operating Systems Laboratory	3.00	2.60	2.20	2.00	2.60	1.20	1.20					2.20	3.00	2.80	2.80	2.20
C209	17MYB08- Discrete Mathematics	2.20	1.47		1.47								1.47		1.47		1.47
C210	17ITC04-Design and Analysis of Algorithms	2.20	2.67	1.79	1.58	1.86	0.90			1.81		2.41	2.67		2.67	0.90	1.43
C211	17CSC07-Database Management System	2.03	2.03	2.03	1.87	1.78	2.10		1.73	1.88		2.03	2.03	2.03	2.03	2.03	2.03
C212	17CSC08-Computer Networks	2.90	2.89	2.90	2.24	2.89	2.92		2.92	2.90	2.89		2.90	2.90	2.90	2.90	2.90
C213	17CSC09-Artificial Intelligence	2.53	2.52	2.60	3.00					2.80	2.37	2.35		2.18	2.36	2.18	2.53
C214	17GEA01-Engineering Economics and Financial Accounting	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.50	1.00		1.50	1.60				2.00
C215	17CSP05-Database System Laboratory	3.00	3.00	3.00	3.00	2.00		2.00			2.00	3.00		3.00	3.00	3.00	3.00
C216	17CSP06-Computer Networks Laboratory	3.00	3.00	3.00	2.60	3.00					3.00		3.00	3.00	3.00	3.00	3.00
C301	17CSC10-Theory of Computation	2.67	2.72	2.67							2.59	2.30	2.12	1.79	1.43	1.94	1.44
C302	17ITC09-Internet and Web Programming	2.49	2.48	1.98	2.16	2.32	2.32	1.66		2.49		2.49	2.49	2.49	2.49	2.49	2.49
C303	17CSC11-Object Oriented Software Engineering	1.85	1.38	1.65	1.47	1.36	1.21	1.14	0.94	1.16	1.11	1.66	1.84	0.92	1.86	2.22	1.65
C304	17CSC12-Graphics and Multimedia	2.10	1.72	2.11	1.73	2.30	1.72	1.73	1.73	2.49			2.11	0.96	1.53	1.73	1.73
C305	17CSX10-Mobile Application Development	2.88	2.92	2.60	1.90	1.89				1.93		2.85	2.28	2.66	2.28	2.09	2.10
C306	17CSX05-Network Analysis and Management	2.49	2.49	2.10	1.44	2.24	1.45	1.27	2.15	1.66	2.10	2.40	2.49	1.72	2.11	1.14	2.87
C307	17CSP07-Case Tools Laboratory	2.60	1.80	2.67	2.00	2.00		1.50		2.00		1.40	2.60	1.00	1.00	2.00	2.00
C308	17CSP08-Graphics and Multimedia Laboratory	2.20	1.00	1.00	1.00	1.80	1.60	1.40	1.40	1.80			2.60	2.00	2.20	1.80	1.80
C309	17CSC14-Cloud Computing	2.88	2.87	2.87	2.87	2.87				2.87	2.88	2.87	2.88	2.88	2.88	2.88	2.88
C310	7CSC15-Security in Computing	2.83	2.80	2.86	2.84	2.84	2.84	2.89	2.89	2.84	2.84		2.83	2.84	1.89		2.84
C311	17CSC16-Principles of Compiler Design	1.95	1.78	1.78	1.96								1.96	2.67	2.48	1.94	2.48
C312	17CSX29-Internet of Things	2.28	2.62	2.39	2.90	1.92	0.96	2.90			0.95	1.33	2.10	2.66	2.10	1.92	2.10
C313	17CSX21-Software Project Management	2.90	2.43	2.43	2.77	2.07	1.88	1.93	1.49	1.88	1.88	2.82	2.43	2.63	2.82	2.25	2.63
C314	17ITX05-PHP programming	2.86	2.86	2.86	2.86								2.86	1.91	2.86	2.86	1.91
C315	17CSX01-Data Science	2.66	2.66	2.66	2.48	2.66							2.66	1.77	2.66	2.66	2.66
C316	17CSP09-Internet of Things Laboratory	3.00	2.00	2.33	2.00	2.50		2.00			2.00	1.80	2.20	2.60	2.80	2.80	3.00
C401	17CSC17-Mobile Computing	2.13	2.13	2.26	2.29					1.67	1.67	1.67		2.28	2.28	2.28	2.28

C402	17CSC18-Full Stack Development	2.85	1.91	2.85							0.95	2.85		1.89	2.85	2.85	2.85
C403	17ITC15-Machine Learning Techniques	2.72	2.28	2.15	1.70	1.75	1.70			1.73	1.73	1.73	1.73	1.74	2.62	2.62	2.62
C404	17CSX18-Software Testing Methodologies	2.60	2.60	2.60	2.60	2.62		1.73		2.60	1.82	2.60	2.60	2.60	2.60		2.60
C405	17CSP10-Mobile Computing Laboratory	3.00		3.00	3.00					3.00	2.00	2.40		3.00	3.00	3.00	3.00
C406	17CSD01-Project Work I	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
C407	17CSX12-Green Computing	1.65	1.25	1.67	1.48	1.73	1.73	1.19	1.05	2.01	0.84	0.59	1.85	1.72	1.50		1.85
C408	17CSD02-Project Work II	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.80	2.60	2.80	2.80
	SUM	124.65	106.53	109.36	101.51	79.05	48.54	49.07	36.81	66.84	63.61	75.14	102.78	95.44	106.01	90.91	108.83
	DIRECT ATTAINMENT OUT OF 3	2.35	2.05	2.14	2.07	2.08	1.52	1.82	1.75	1.97	1.93	2.03	2.10	2.22	2.26	2.27	2.09
	% of DIRECT ATTAINMENT	78.39	68.29	71.47	69.05	69.34	50.56	60.58	58.42	65.53	64.26	67.69	69.92	73.99	75.18	75.76	69.76
	ALUMNI SURVEY	2.50	2.46	2.54	2.87	2.42	2.45	2.62	2.55	2.27	2.64	2.65	2.34	2.76	2.84	2.36	2.75
	EMPLOYER SURVEY	2.42	2.50	2.64	2.37	2.53	2.43	2.24	2.37	2.34	2.52	2.67	2.17	2.37	2.56	2.53	2.82
	STUDENT EXIT SURVEY	2.23	2.18	2.13	2.32	2.33	2.28	2.30	2.32	2.46	2.37	2.34	2.28	2.29	2.17	2.46	2.17
	INDIRECT ATTAINMENT	2.38	2.38	2.44	2.52	2.43	2.39	2.39	2.41	2.36	2.51	2.55	2.26	2.47	2.52	2.45	2.58
	OVER ALL ATTAINMENT	**2.37**	**2.21**	**2.29**	**2.30**	**2.25**	**1.95**	**2.10**	**2.08**	**2.16**	**2.22**	**2.29**	**2.18**	**2.35**	**2.39**	**2.36**	**2.34**
	% OVER ALL ATTAINMENT	**78.92**	**73.81**	**76.35**	**76.53**	**75.11**	**65.06**	**70.07**	**69.43**	**72.04**	**73.96**	**76.40**	**72.68**	**78.22**	**79.65**	**78.71**	**77.88**

M. Dupika

ACADEMIC COORDINATOR

HOD

NANDHA ENGINEERING COLLEGE, ERODE
DEPARTMENT OF ECE
PO ATTAINMENT FOR BATCH 2018-2022

Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
C101	17EYA01 – PROFESSIONAL ENGLISH-I						1			3	3		2		2	2	
C102	17MYB01-CALCULUS AND SOLID GEOMETRY	2	1	1	1	1	1	1		1		1		2	1		1
C103	17PYB01-PHYSICS FOR ENGINEERS		2	2		1	1			1	2	1	1	1		2	
C104	17CYB02 APPLIED ELECTRO CHEMISTRY	3		1			1									2	1
C105	17CSC02-PYTHON PROGRAMMING	2	1	2							1	2	2	2	2	2	2
C106	17ECC01 – ELECTRONIC DEVICES	2	1	1	2		1			1		1	2	2	1	1	1
C107	17CSP02 –PYTHON PROGRAMMING LABORATORY	3	3	2		1					2	1	2	3	3	3	3
C108	17GYP02 – ENGINEERING PRACTISES LAB	3	3	2		2	1		1				2	2	1		2
C109	17EYA02 – PROFESSIONAL ENGLISH-II						1			1	2		1		1	1	
C110	17MYB02-COMPLEX ANALYSIS AND LAPLACE TRANSFORMS	3	2	2	1	2	1	2		1		1		3	1		2
C111	17PYB05 – PHYSICS OF SOLIDS	1	1		1	1	1							1		1	
C112	17CYB03-ENVIRONMENTAL SCIENCE	3		2			2	2						2	2	2	1
C113	17MEC01- ENGINEERING GRAPHICS	1		1	1	1				1		1	1	2	2	1	1
C114	17ECC03- CIRCUIT THEORY	1	1	0			1			1	0			1			1
C115	17GYP01- PHYSICS AND CHEMISTRY LABORATORY	2	1									1	1	1	1		1
C116	17ECP01- CIRCUIT AND DEVICES LABORATORY	2	1	1	1	1								3	1		2
C201	17MYB05 - Transforms and Partial Differential Equations	2	1	1				1						2	1	1	1
C202	17ITC03 - Data Structures and Algorithms	3	3	3	2	2	2			2	2	2	2	2	3	3	3

C203	17ECC05 - Electrical Machines and instruments	2	2	1	1		1			1	0	1	0	2	1	3	2
C204	17ECC06 - Digital Logic Design	2	1	1	1		1			1	0	1	0	2	2	1	2
C205	17ECC07 - Signals and Systems	2	0	1	0	0	0				0	0	1	2		1	2
C206	17ECC08 - Analog Electronics	3	2	1	2		2	1			1			2	1		1
C207	17ECP03 - Digital Logic Design Laboratory	2	3	2	3	3	2	3			1	2	2	3	2	1	2
C208	17ECP04 - Analog Electronics Laboratory	2	0	1	1	2	0					2	1	3	1		2
C209	17MYB09 - Probability and Random Processes	2	2	2				2						1	2	2	2
C210	17ITC08 - Fundamentals of Java Programming	3	3			1								2	1		2
C211	17ECC10 - Electromagnetic Fields	2	2	2	1	2	2	2	2		2	2	2	1	2	1	2
C212	17ECC11 - Analog Circuit Design	2	3	1	1		2			1		1	1	2	1	2	2
C213	17ECC12 - Digital Signal Processing	2	3	2	2		2	3			2			2	2	3	2
C214a	Sensors and its application	3	2									3	2	2	3	2	
C214b	17ECX01 Medical Electronics	3	2	2	2	2	2	2			2	2	2	2	2	2	2
C215	17ECP06 - Analog Circuit Design Laboratory	2	3	2	2	2	2				1	1	1	2	2	2	2
C216	17ECP07 - Digital Signal Processing Laboratory	3	3	2	2		3			3		3	3	3	2	2	2
C301	17GEA02 - Principles of Management			2	2	1	2	2	2		2	2		2	3	2	3
C302	17ECC13 - Microprocessors and Microcontrollers Interfacing	0	1	1	1	0						1		1	1		1
C303	17ECC14 - Data Communication and Networks	2	3	2	1			1	1	2		2	1	1	1	1	1

C304	17ECC15 - Transmission Lines and Waveguides	3	3	3	3	3		3	2	2		3	2	3	2	2	3
C305	Digital Image Processing	2	2	1	3	2	2			2		2	2	2	2	1	2
C306a	Computer Hardware Interfacing	3	3	2	2	3	3		2	2		3	3	3	3	3	3
C306b	17ITC12 Database System Concepts	1	2		3	2	3	1	1	1	2	2	1	1	1	1	2
C306c	Internet of Things	2	1	1	1	2	2	1		2		2	2	1	2	2	2
C307	17ECP08 - Microprocessors and Microcontrollers Interfacing Laboratory	1	1	1	1	1						2		3	0	1	2
C308	17ECP09 - Data Communication and Networks Laboratory	2	2	3		1		2		2	1	2	1	2	1	1	1
C309	17ECC16 - Analog and Digital Communication	2	2	2	2		2			2	2	2	3	1	2	1	2
C310	17ECC17 - VLSI Design	3	2	2	2	3	2	2	2	3	3	3	3	2	3	2	3
C311	Protocols and Architectures for WSN	2	2	2	2	3				2		2	2	3	2	1	2
C312	Multimedia Compression Techniques	2	2	3		1	2	2					1	2	2	2	2
C313	Total Quality Management	3	2	2	2	3	2	2	2	3	3		3	2	3	2	3
C314	Professional Ethics and Human Values			2			2			2			2		2	2	
C315	17ECP10 - Analog and Digital Communication Laboratory	3	3	3	2	2	2	2		2	2	2		3	2	2	3
C316	17ECP11 - VLSI Design Laboratory	2	2	3	3	2	1	3				3		2	3	2	3
C401	17ECC19 - Microwave Engineering	1	1	1	1	1	2	2			1		1	1	1	1	1
C402	17ECC20 - Optical Communication	2	1	2		1	1	1	2	1	2	2	1	1	1	1	1

C403	17ECC21- Embedded and Real Time Systems	2	2	2	2	3	2			2	2	2	2	2	1	1	2
C404	17ECC18 - Antenna and Wave Propagation	2	2	2	1	2	2	2	2		2	2	2	1	2	1	2
C405	17ECP12 - Microwave and Optical Laboratory	3	3		2		2	2				2	2	3	2	2	3
C406	17ECP13 - Embedded Systems Laboratory	2	2	2	2	2	3					1		3	2	1	2
C407	17ECD01 - Project Phase - I	3	1	1	1	1	2	1	1	0	0	0	0	1	2	2	2
C408	17ECD02 - Project Phase - II	3	3	3	3	3	3	3	3	3	3			3	3	3	3

PO Attainment	2.2	1.9	1.7	1.7	1.7	1.7	1.9	1.8	1.7	1.6	1.7	1.6	2.0	1.8	1.7	1.9
% of PO Attainment	73	64	58	56	58	57	62	60	57	53	57	54	66	58	56	65

Alumni Survey	2.76	2.82	2.53	2.82	2.88	2.76	2.59	2.88	2.59	2.88	2.2	2.82	2.76	2.71	2.59	2.71
Employer Survey	2.53	2.85	2.45	2.58	2.26	2.76	2.39	2.75	2.46	2.39	2.87	2.56	2.55	2.54	2.45	2.46
Student Exit Survey	2.49	2.46	2.44	2.45	2.51	2.45	2.46	2.53	2.48	2.46	2.2	2.57	2.54	2.44	2.57	2.53
Average of Indirect Attainment	2.59	2.71	2.47	2.62	2.55	2.66	2.48	2.72	2.51	2.58	2.42	2.65	2.62	2.56	2.54	2.57
Overall Attainment	2.28	2.08	1.89	1.88	1.90	1.89	1.99	1.98	1.87	1.79	1.86	1.84	2.10	1.92	1.86	2.07
% of Attainment	76	69	63	63	63	63	66	66	62	60	62	61	70	64	62	69

NANDHA ENGINEERING COLLEGE (AUTONOMOUS) ERODE
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
PO and PSO ATTAINMENT
BATCH 2018-2022

S.No	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
			a	b	c	d	e	f	g	h	i	j	k	l				
1	C101	17EYA01 - Professional English - I	0	0	0	0	2	0	0	2	2	2	0	2	0	0	2	0
2	C102	17MYB01 - Calculus and Solid Geometry	3	3	3	3	3	3	3	0	3	0	3	0	3	3	3	3
3	C103	17PYB01 - Physics for Engineers	3	3	3	3	3	3	0	2	0	0	0	3	2	2	3	2
4	C104	17CYB02 - Applied Electrochemistry	3	0	3	0	0	3	2	3	3	0	3	3	2	2	3	2
5	C105	17MECO1 - Engineering Graphics	3	3	3	3	3	3	3	0	0	0	3	3	3	3	3	3
6	C106	17CSC02 - Python Programming	3	3	3	0	0	0	0	0	3	3	3	0	3	0	3	2
7	C107	17CSP02 - Python Programming Laboratory	2	3	2	0	3	0	0	0	3	3	3	0	3	3	3	2
8	C108	17GYP02 - Engineering Practices Laboratory	3	3	3	2	3	3	3	3	3	3	1	3	3	2	0	3
9	C111	17EYA02 - Professional English - II	0	0	0	0	2	0	0	2	2	2	0	2	0	0	2	0
10	C112	17MYB02 - Complex Analysis and Laplace Transforms	1	1	1	1	1	1	1	0	1	0	1	0	1	1	0	1
11	C113	17PYB05 - Physics of Solids	3	2	2	3	0	0	0	3	0	0	0	3	2	1	0	2
12	C114	17CYB03 - Environmental Science	2	2	2	0	0	3	3	3	3	3	0	0	2	1	2	1
13	C115	17GYC01 - Basics of Civil and Mechanical Engineering	2	2	3	2	2	3	2	3	3	2	3	3	0	3	0	3
14	C116	17EEC02 - Electric Circuit Theory	3	3	3	3	3	3	2	3	0	0	1	2	3	3	3	3
15	C117	17GYP01- Physics and Chemistry Laboratory	2	2	0	3	0	3	2	2	0	0	3	3	2	2	2	2
16	C118	17EEP01 - Electric Circuits Laboratory	3	3	3	3	3	2	3	3	3	3	1	3	3	3	3	3
17	C201	17MYB05 - Transforms and Partial Differential Equations	2	2	2	0	0	0	2	0	0	0	0	0	2	2	2	2
18	C202	17EEC03 - Electronic Devices and Circuits	2	2	3	3	2	3	0	2	0	3	3	2	2	2	0	3
19	C203	17EEC04 - Electrical Machines I	3	3	2	3	2	3	3	2	0	0	3	2	3	3	2	2

S.No	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
			a	b	c	d	e	f	g	h	i	j	k	l				
20	C204	17EEC05 - Field Theory	2	3	3	3	3	2	3	3	0	0	3	1	3	3	3	3
21	C205	17EEC06 - Power Plant Engineering	1	1	1	0	0	3	3	3	3	2	2	3	1	1	1	1
22	C206	17ITC03 - Data Structures and Algorithms	1	3	3	3	0	0	0	0	3	3	3	0	2	2	2	2
23	C207	17EEP02 - Electronic Devices and Circuits Laboratory	2	2	3	3	3	3	0	2	3	3	3	2	2	2	2	2
24	C208	17EEP03 - Electrical Machines I Laboratory	1	3	3	3	0	3	0	2	0	0	1	2	2	2	2	2
25	C211	17MYB10 - Probability, Statistics and Numerical Methods	2	2	2	2	2	0	0	0	0	0	2	2	2	2	2	2
26	C212	17EEC07 - Electrical Machines II	2	3	3	3	2	2	1	0	0	0	0	2	2	2	0	2
27	C213	17EEC08 - Linear Integrated Circuits	2	2	2	3	3	2	0	2	0	0	3	3	2	2	2	2
28	C214	17EEC09 - Digital Logic Circuits	2	3	3	3	3	0	0	2	3	0	3	2	2	2	2	3
29	C215	17EEC10 - Transmission and Distribution	1	1	1	1	2	2	2	3	0	2	2	2	3	3	3	3
30	C216	17ITC08 - Fundementals of Java Programming	1	2	2	0	0	0	0	0	0	3	3	0	3	3	2	3
31	C217	17EEX01 - Fundementals of Fiber Optics and Laser Instrumentation	1	1	1	2	2	0	0	1	3	2	3	2	2	2	0	2
32	C218	17EEP04 - Electrical Machines II Laboratory	1	2	2	3	3	3	3	1	2	0	1	2	3	2	2	2
33	C219	17EEP05 - Linear and Digital Integrated Circuits Laboratory	1	3	3	3	3	3	3	1	0	0	1	2	3	3	2	3
34	C301	17GEA02 - Principles of Management	0	0	2	3	2	3	3	2	3	3	3	0	0	0	1	1
35	C302	17EEC11 - Measurements and Instrumentation	2	2	2	3	2	1	0	2	0	0	1	2	3	3	0	2
36	C303	17EEC12 - Control Systems	3	3	3	3	3	3	2	0	2	3	2	3	3	3	3	3
37	C304	17EEC13 - Power Electronics	2	2	3	3	3	3	2	0	0	0	3	1	2	2	0	3
38	C305	17EEC14 - Communication Engineering	1	2	2	2	2	3	0	0	3	3	3	3	2	2	0	2
39	C306	17ITC12 - Data Base Systems Concepts	3	3	3	0	0	0	0	0	0	3	3	0	3	3	3	3
40	C307	17EEX10 - Special Electrical Machines	2	2	2	2	3	3	0	3	0	0	1	2	2	2	2	2

S.No	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
			a	b	c	d	e	f	g	h	i	j	k	l				
41	C308	17EEP06 - Control and Instrumentation Laboratory	2	2	1	2	1	3	0	0	3	2	3	2	3	3	3	3
42	C309	17EEP07 - Power Electronics Laboratory	2	2	3	2	1	1	0	0	0	0	1	2	3	3	2	3
43	C311	17EEC15 - Power System Analysis	2	3	2	3	2	1	0	0	1	0	1	2	3	3	0	2
44	C312	17EEC16 - Microprocessor and Microcontroller	2	2	3	3	3	3	3	0	0	0	3	3	2	3	0	2
45	C313	17EEX11 - Bio Medical Instrumentation and its	2	3	2	3	2	3	3	0	0	3	3	0	2	3	0	2
46	C314	17EEX18 - Power Quality	2	3	2	3	2	3	3	0	0	2	3	2	2	2	3	2
47	C315	17EEX13 - Power Electronics For Renewable Energy Systems	2	0	2	3	2	0	3	2	0	2	1	3	2	2	0	2
48	C316	17EEX16 - High Voltage Engineering	1	2	1	2	1	3	0	0	3	2	3	2	2	1	0	2
49	C317	17ECX16 - Internet of Things and its Applications	3	2	2	3	3	3	2	0	3	2	2	2	2	2	3	2
50	C318	17CSX31 - Problem Solving and Programming	3	2	3	3	3	2	3	0	2	3	2	2	2	2	2	2
51	C319	17EYX01 - Effective Communication	0	0	0	0	3	0	0	3	3	3	1	3	0	0	3	0
52	C320	17EEP08 - Microprocessor and Microcontroller Laboratory	2	3	2	3	3	3	2	2	3	0	3	3	3	2	2	2
53	C401	17EEC17 - Electric Drives and Control	2	2	2	0	2	2	0	0	2	0	2	2	2	2	0	2
54	C402	17EEC18 - Power System Protection and Switch Gear	2	2	2	2	0	3	0	3	3	3	3	3	2	2	0	2
55	C403	17EEC19 - Principles of Embedded Systems	2	2	2	3	3	3	2	0	0	0	3	3	2	2	0	2
56	C404	17EEC20 - Power System Operation and Control	3	3	3	3	2	3	2	2	3	0	1	3	3	3	3	3
57	C405	17EEX20 - Flexible AC Transmission Systems	2	2	2	3	2	3	0	2	0	0	1	3	3	2	0	2
58	C406	17EEP09 - Power System Simulation Laboratory	3	3	3	3	3	0	0	2	3	2	3	2	3	3	3	3
59	C407	17EED01 - Project Work I	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3

S.No	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
			a	b	c	d	e	f	g	h	i	j	k	l				
60	C411	17EEX22 - Fundementals of Electric Power Utilization	2	2	2	2	0	3	3	0	0	0	0	3	3	2	0	2
61	C412	17EED02 - Project Work II	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
SUM			115.56	126.05	128.95	127.97	113.33	118.92	78.94	82.11	87.54	78.59	119.15	117.95	131.64	124.07	97.10	127.36
DIRECT ATTAINMENT OUT OF 3			1.89	2.07	2.11	2.10	1.86	1.95	1.29	1.35	1.44	1.29	1.95	1.93	2.16	2.03	1.59	2.09
% of DIRECT ATTAINMENT			63.15	68.88	70.46	69.93	61.93	64.98	43.14	44.87	47.84	42.94	65.11	64.45	71.93	67.80	53.06	69.60
ALUMNI SURVEY			2.65	2.24	2.32	2.35	2.74	2.58	2.62	2.56	2.65	2.21	2.48	2.48	2.12	2.21	2.49	2.23
EMPLOYER SURVEY			2.52	2.38	2.14	2.24	2.65	2.47	2.45	2.43	2.72	2.53	2.51	2.56	2.24	2.42	2.28	2.55
STUDENT EXIT SURVEY			2.60	2.50	2.50	2.50	2.60	2.50	2.60	2.60	2.50	2.60	2.60	2.50	2.50	2.50	2.60	2.50
INDIRECT ATTAINMENT			2.59	2.37	2.32	2.36	2.66	2.52	2.56	2.53	2.62	2.45	2.53	2.51	2.29	2.38	2.46	2.43
OVER ALL ATTAINMENT			2.03	2.13	2.16	2.15	2.02	2.06	1.55	1.58	1.67	1.52	2.07	2.05	2.18	2.10	1.76	2.16
% OVER ALL ATTAINMENT			67.78	70.93	71.84	71.70	67.30	68.76	51.55	52.76	55.76	50.67	68.95	68.32	72.36	68.94	55.94	70.73
% OVER ALL ATTAINMENT			68	71	72	72	67	69	52	53	56	51	69	68	72	69	56	71
Program Articulation Average			2.03	2.20	2.26	2.22	2.03	2.08	1.45	1.40	1.57	1.38	2.09	2.05	2.33	2.18	1.74	2.23
Program Articulation Average Percentage			68	73	75	74	68	69	48	47	52	46	70	68	78	73	58	74

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NANDHA ENGINEERING COLLEGE
ERODE 638 052.

NANDHA ENGINEERING COLLEGE, ERODE
DEPARTMENT OF INFORMATION TECHNOLOGY
PO ATTAINMENT FOR BATCH 2018-2022

Code	Course Code	Course Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	PSO4
C101	17EYA01	Professional English- I	-	-	-	-	-	1	-	-	2	2	-	2	-	-	-	1
C102	17MYB01	Calculus and Solid Geometry	2	1	1	1	1	1	-	-	1	-	1	1	-	1	-	1
C103	17PYB02	Physics for Computer Engineers	2	1	1	1	1	1	-	-	-	-	-	1	1	-	-	1
C104	17CYB03	Environmental Science	3	1	2	-	-	1	2	-	-	-	-	-	2	1	2	1
C105	17CSC02	Python Programming	1	1	1	1	1	-	-	-	1	1	1	1	1	1	1	1
C106	17MEP01	Engineering Graphics Laboratory	2	2	2	2	2	1	1	1	2	1	1	1	2	2	2	-
C107	17CSP02	Python Programming Laboratory	3	2	1	2	-	1	-	-	2	1	2	2	3	3	3	3
C108	17GEP01	Personal Values	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C109	17EYA02	Professional English- II	-	-	-	-	-	1	-	-	2	2	-	2	-	-	-	2
C110	17MYB02	Complex Analysis and Laplace Transforms	2	1	1	1	1	1	1	1	1	1	1	1	-	1	-	1
C111	17PYB04	Applied Physics	2	1	1	1	-	-	-	-	-	-	-	1	1	-	-	1
C112	17CYB04	Chemistry for computer Engineers	1	1	1	2	-	1	1	-	1	1	1	1	-	-	1	-
C113	17CSC03	Structured Programming	2	2	2	1	2	-	-	1	1	2	2	2	2	2	2	2
C114	17ECC04	Basics of Electronics Engineering	2	2	2	2	2	1	1	-	-	-	-	-	1	1	1	1
C115	17CSP03	Structured Programming Laboratory	3	2	1	2	-	1	-	-	2	1	2	2	3	3	3	3
C116	17ECP02	Electronics Laboratory	3	3	3	2	2	2	2	-	-	3	2	2	3	3	3	2
C117	17GEP02	Interpersonal Values	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C201	17MYB04	Probability and Statistics	3	2	-	1	1	-	-	-	-	-	-	2	-	2	-	2
C202	17CSC04	Data Structures using Python	3	3	2	-	-	-	-	-	-	2	1	2	3	2	1	1
C203	17ITC01	OOPS using Java	2	2	3	3	3	1	3	3	2	2	3	3	1	3	3	3
C204	17ITC02	Computer Architecture and Organization	3	2	3	3	2	1	2	3	2	-	2	2	2	2	1	1
C205	17ECC22	Digital Electronics and Microprocessor	2	2	1	-	-	-	-	-	-	1	1	-	2	1	-	1
C206	17ITP01	OOPS using Java Laboratory	2	2	3	3	3	1	3	3	2	2	3	3	1	3	3	3
C207	17ECP05	Digital Electronics and Microprocessor Laboratory	3	3	2	-	-	-	-	-	-	1	1	-	3	2	-	1
C208	17GED01	Soft Skills – Listening and Speaking	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	2
C209	17MYB08	Discrete Mathematics	3	2	-	2	-	-	-	-	-	-	-	2	-	2	-	2
C210	17ITC04	Design and Analysis of Algorithms	2	2	2	2	-	-	-	-	-	-	1	-	2	1	1	-
C211	17ITC05	Computer Networks and Internets	3	2	2	3	1	3	1	-	-	2	2	1	1	1	1	1

C212	17CSC07	Database Management System	3	3	3	2	2	1	-	1	1	-	1	2	3	2	2	2
C213	17ITC06	Operating System Principles	2	3	2	-	2	-	-	-	2	1	2	-	3	2	-	1
C214	17ITC07	Software Engineering	2	2	2	2	2	3	2	-	2	2	2	2	2	2	2	2
C215	17ITP02	Computer Networks and Internets Laboratory	2	3	2	-	-	-	-	-	2	1	2	-	3	3	-	1
C216	17CSP05	Database Management System Laboratory	2	2	3	-	-	-	-	-	-	1	2	-	2	3	1	-
C217	17ITP03	Operating System Principles Laboratory	2	2	2	-	1	-	-	-	1	1	1		3	2	-	1
C218	17GED02	Soft Skills – Reading and Writing	-	-	-	-	-	-	-	-	3	3	-	3	-	-	-	3
C219	17GED03	Personality and Character Development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C301	17ECC12	Digital Signal Processing	2	2	2	2	-	1	1	-	-	1	-	-	3	2	-	-
C302	17ITC09	Internet and Web Programming	3	3	2	3	3	3	2	-	3	-	3	3	3	3	3	3
C303	17ITC10	Object Oriented Analysis and Design	3	3	3	3	3	3	-	-	3	3	3	3	3	3	3	3
C304	17ITC11	Computer Graphics and Multimedia	3	3	2	2	2	1	-	-	2	-	3	3	-	3	1	2
C305	17ITX11	Principles of Cloud computing	3	2	-	3	2	-	-	-	-	-	-	2	-	2	-	2
C306	17ITX14	Software Testing	2	2	2	2	-	1	1	-	-	-	1	-	-	2	1	-
C307	17ITP04	Case Tools Laboratory	3	3	3	3	3	3	3	3	3	3	-	-	3	3	3	2
C308	17ITP05	Computer Graphics and Multimedia Laboratory	3	3	3	3	3	1	-	-	3	-	3	3	-	3	3	3
C309	17GED08	Essence of Indian Traditional Knowledge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C310	17CSC09	Artificial Intelligence	3	3	3	3	-	-	-	-	2	1	2	-	3	2	3	-
C311	17ITC13	Compiler Design	2	2	2	2	2	-	2	-	-	-	2	2	2	1	2	2
C312	17ITC14	Cryptography and Network Security	3	3	3	2	3	-	2	3	2	2	2	3	3	3	3	2
C313	17CSX20	Software Quality Assurance	2	2	2	2	2	-	2	2	2	2	2	2	3	2	3	-
C313	17ITX27	Data Science Techniques	3	3	3	3	-	-	-	-	2	1	2	-	3	1	2	-
C314	17CSC13	Internet of Things	3	3	2	2	1	1	-	-	1	-	2	2	3	2	1	-
C315	17ITX05	Programming with PHP	3	3	3	3	-	-	-	-	2	1	2	-	3	2	2	2
C316	17CSP09	Internet of Things Laboratory	3	3	3	3	3	-	2	-	-	2	2	2	3	2	2	2
C317	17GED06	Comprehension	2	2	2	2	2	-	-	-	-	-	-	2	2	2	2	-
C318	17GED07	Constitution of India	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C401	17GEA01	Engineering Economics and Financial Accounting	2	2	2	3	1	1	1	2	2	-	2	1	-	-	-	3
C402	17ITC15	Machine Learning Techniques	3	3	3	2	2	2	-	-	2	2	2	2	2	3	3	3
C403	17CSC18	Full Stack Development	2	2	2	-	-	-	-	-	2	2	2	2	2	2	2	2

C404	17ITX04	Data Mining and Warehousing	3	2	2	1	-	1	-	-	2	2	-	-	1	1	1	1
C405	17CSX11	Human Computer Interaction	3	2	2	2	2	-	2	2	3	2	2	2	2	2	2	2
C406	17ITP06	Machine Learning Techniques Laboratory	3	3	2	3	3	-	2	-	-	-	-	-	3	2	2	-
C407	17ITD01	Project Work I	3	3	3	3	3	3	-	-	3	3	3	3	3	3	3	3
C410	17ITD02	Project Work II	3	3	3	3	3	3	-	-	3	3	3	3	3	3	3	3
			133.6	119.7	109.6	97.5	71.6	47.6	38.9	24.6	73.5	66.7	80.6	81.5	101.1	104.7	82.0	86.4
		Direct Assessment	2.5	2.2	2.1	2.2	2.0	1.5	1.8	2.1	2.0	1.8	1.9	2.0	2.3	2.1	2.1	1.9
		% of Direct Assessment	82.4	65.6	62.2	58.1	46.7	45.4	41.8	28.6	47.6	46.7	48.0	56.1	62.9	61.9	52.9	53.3
		Student Exit Survey	2.4	2.7	2.3	2.7	2.4	2.4	2.4	2.4	2.4	2.8	2.6	2.4	2.4	2.3	2.4	2.5
		Alumni Survey	2.79	3	2.63	2.57	2.79	2.76	2.8	2.9	2.7	2.8	2.9	2.8	2.87	2.68	2.5	2.6
		Employer Survey	2.56	3	2.6	2.7	2.98	3	2.69	2.54	2.98	2.87	2.98	2.76	2.59	3	2.92	2.95
		Indirect Assessment	2.6	2.9	2.5	2.7	2.7	2.7	2.6	2.6	2.7	2.8	2.8	2.7	2.6	2.7	2.6	2.7
		Final Attainment (80% of Direct Assessment + 20% of Indirect Assessment)	2.5	2.4	2.2	2.3	2.2	1.8	1.9	2.2	2.1	2.0	2.1	2.2	2.4	2.2	2.2	2.0
		% of Final Attainment	83.2	78.4	74.0	75.5	72.7	59.1	64.7	72.1	70.9	65.6	70.0	72.0	78.8	73.5	72.0	68.0

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PRINCIPAL

NANDHA ENGINEERING COLLEGE (Autonomous), Erode-52

Department of Mechanical Engineering

Batch: 2018 - 2022

Attainment Attriculation Matrics

	SUBJECT CODE	SUBJECT NAME (SEM I)	P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	PSO1	PSO2	PSO3	PSO4
101	17EYA01	Professional English - I	-	-	-	-	-	1.26	1.12	0.92	2.31	2.87	-	2.76	-	-	-	-
102	17MYB01	Calculus and Solid Geometry	2.04	2.83	-	1.68	0.72	0.54	0.87	0.91	-	0.87	0.64	0.92	-			
103	17PYB01	Physics for Engineers		0.82	1.64	0.86		0.56	0.54			0.52	1.84	0.86		0.83		
104	17CYB01	Applied Chemistry	1.89	-	-	-	-	-	-	-	1.64	-	1.64	1.64		1.13		0.63
105	17MEC01	Engineering Graphics	1.86	-	1.54	1.83	2.12	-	-	-	1.52	-	1.64	1.83	2.76	2.54	0.86	0.64
106	17ECC02	Basic Electrical, Electronics and Instrumentation Engineering	0.86	0.65	0.54			1.21	-	-	-	-	-	-	-	-	-	-
107	17GYP01	Physics and Chemistry Lab	1.1	0.91	-	1	-	0.91	1.03	-	-	0.89	0.89	-		0.59		
108	17GYP02	Engineering Practice Lab	1.24	0.84	1.36	1.45	2.46	-	0.84	1.92	-	-	-	2.36	2.46	1.36	1.24	2.24
		SEM II																
109	17EYA02	Professional English - II	0.67		2.64	1.72	0.51	0.62	1.82					0.87				
110	17MYB02	Complex Analysis and Laplace Transform	1.42	2.35	1.28	0.84	1.12	2.12	0.56	2.34		1.28	2.46	1.23				
111	17PYB03	Materials Physics	1.95	1.2	0.75			0.5			0.64					0.76		
112	17CYB03	Environmental Science	1.87	-	-	-	-	-	-	-	1.63	-	1.63	1.63		0.63		0.63
113	17MEC02	Engineering Mechanics	2.76	2.34	2.74	2.45						2.76		2.54	1.12	1.86	2.56	-
114	17CSC01	Problem Solving and Python Programming	0.86	0.74	1.24							1.28	1.13		1.56			
115	17MEP02	Computer Aided Modeling and Drafting Lab	1.17	1.16	-	1.17	-	0.58	-	-	1.17	-	1.17	1.17	1.29	1.17	0.58	-
116	17CSP01	Problem Solving and Python Programming Lab	2.76	2.18	2.08		0.86				1.78	0.56	1.58		2.64			
		SEM III																
201	17MYB03	Fourier Series and Partial Differential Equations	2.00	1.00	1.00	-	-	-	1.00	-	-	-	-	-	-	-	-	-
202	17MEC03	Materials Engineering and Technology	3.00	2.00	1.00	1.00	3.00	2.00	-	-	-	-	2.00	2.00	2.00	1.50	2.00	2.00
203	17MEC04	Engineering Thermodynamics	2.00	2.00	2.00	2.00	2.00	1.00	-	1.00	-	1.00	1.00	1.00	2.00	1.50	2.00	1.00
204	17MEC05	Fluid Mechanics and Machinery (Theory+Lab)	1.79	1.79	1.76	-	1.78	1.19	-	-	-	1.79	-	1.79	1.76	1.76	0.60	0.60
205	17MEC06	Manufacturing Processes	2	1	1	1	1	1	-	1.14	-	1	1	1	1.6	2	1.14	0.6
206	17MEP03	Manufacturing Processes Lab	2.36	2.96	2.22	1.97	1.97	1.97	-	1.97	-	1.97	1.97	1.97	2.56	1.38	1.58	-
207	17MEP04	Computer Aided Machine Drawing Lab	1.5	2.26	-	-	-	1.5	-	1.5	1.5	-	1.95	1.95	1.95	1.17	1.23	-
		SEM IV																
208	17MYB06	Statistics and Numerical Methods	2.08	1.39	0.7	-	-	-	-	-	-	-		1.24				

			P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	PSO1	PSO2	PSO3	
209	17MEC08	Kinematics of Machinery (Theory + Lab)	1.86	1.89	1.86	1.21			1.24			1.24	1.36	1.24	1.19	1.18	1.24	
210	17MEC09	Thermal Engineering Systems	3	2	3	3	3	1	-	1	-	1	2	2	3	2	3	2
211	17MEC10	Subtractive Manufacturing Processes	2.67	-	-	-	2.12	-	-	2.34	-	-	1.87	1.67	2.54	2.34	1.18	2.26
212	17MEC11	Strength of Materials (Theory + Lab)	2.12	2.67	2.54	2.64	2.76	1.87					1.52	0.67	1.74	1.82	2.54	-
213	17MEX20	Welding Engineering	2.75	1.87	2.12	1.76	2.39		2.67	1.86		1.69	1.47	2.67	2.42	2.86	2.44	
214	17MEP05	Thermal Engineering Systems Lab	3	3	2	2		3	1	3	3		3	3	3	2	3	3
215	17MEP06	Subtractive Manufacturing Processes Lab	1.98	1.97	-	-	1.97	-	-	1.97	-	-	1.97	1.98	2.18	1.98	1.98	-
		SEM V																
301	17MEC13	Design of Machine Elements	2.82	1.88	1.87	2.82	2.63	1.88	-	-	-	-	2.82	2.25	2.82	2.25	1.88	0.94
302	17MEC14	Heat and Mass Transfer (Theory + Lab)	2.48	0.66				1.15	-	0.33		0.33	1.98	1.98	2.51	1.98	0.98	0.65
303	17MEC15	Dynamics of Machinery	1.73	2.12			1.55	0.38	0.57				1.14	2.12	0.58	0.95	1.93	2.3
304	17MEC16	Fluid Power System	2.13	1.64	1.23	1.48	1.8	-	-	0.82	0.82	0.82	1.15	1.48	2.13	1.48	0.98	-
305	17MEX04	Product Design	2.58	2.41				0.53	1.87			2.22	1.5	2.39	1.66	2.02	0.73	1.48
306	17MEX32	Renewable Sources of Energy	2				2		-	-		-	2	2	-			2.16
307	17MEP08	Dynamics of Machinery Lab	2.32	2.32	2.38	-	-	1.78	-	-	-	2.46	2.14	1.96	-	2.14	2.32	-
		SEM VI																
308	17MEC17	Mechatronics	2.81	1.49	1.88	1.51	1.12	0.38	1.50				2.25	1.86	2.25	2.25	1.31	1.31
309	17MEC18	Design of Transmission Systems	2.85	2.85	2.85	1.90	1.90	1.90	-	-	-	-	2.85	2.85	2.85	2.85	0.95	0.95
310	17MEC19	Metrology and Measurements (Theory + Lab)	2.05	2.33	1.68	-	-	-	-	-	-	2.34	2.05	2.24	2.43	2.24	1.12	1.12
311	17MEX16	Automobile Engineering	2.05	2.36	1.86	2.87	1.86	1.87	-	-	-	-	2.24	1.86	2.23	2.42	2.09	1.62
312	17MEX21	Non-Destructive Testing & Evaluation	2.89	1.93	1.20	1.73	2.12	-	1.16	0.96	1.35	0.96	1.16	1.74	2.51	1.73	1.16	-
313	17MEP09	Mechatronics Lab	2.15	1.47	2.35	1.96	1.96	-	0.98	-	-	-	1.96	2.35	2.74	2.00	1.57	-
		SEM VII																
401	17MEC20	CAD/CAM/CIM	1.85	1.88	2.23	1.68	-	1.68	1.84	-	-	-	1.53	1.94	0.92	1.85	0.92	-
402	17MEC21	Finite Element Analysis	1.87	1.43	1.07	1.29	1.57			0.72	0.72	0.71	1	1.29	1.86	1.29	0.86	
403	17MEC22	Power Plant Technology	2.63	-	-	-	1.93	-	1.93	-	-	-	1.92	1.75	1.32	1.21	1.31	1.31
404	17GEA03	Total Quality Management	-	2.27	2.1	-	1.68	2.04	-	1.75	-	-	-	-	2.42	2.1	2.2	0.88
405	17MEP10	CAD / CAM Lab	2.95	-	2.95	2.95	2.95	-	-	-	2.95	-	2.95	-	2.95	2.52	2.95	2.95
406	17MEP11	Computer Aided Analysis Lab	2.94	2.94	2.94	1.76	2.94	-	-	-	2.76	1.57	1.76	2.35	2.94	1.96	1.96	0.98

			P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	PSO1	PSO2	PSO3	PSO4
407	17MED01	Project Work - I	2.2	1.7	1.69	1.41	1.27	1.53	0.85	0.85	1.87	1.53	1.02	1.7	1.28	1.02	0.85	-
		SEM VIII																
408	17MEX26	New Venture Planning and Management	2.38	2.04	-	-	-	2.53	2.34	-	-	2.21	2.26	2.04	1.36	2.27	1.71	-
409	17MED02	Project Work - II	1.84	1.7	1.56	1.11	1.01	1.24	0.67	0.7	2.1	1.27	1.1	1.41	1.01	0.84	1	1.05

	106	81	69	54	60	42	26	28	28	37	75	82	81	74	60	35
AVERAGE	2.12	1.85	1.81	1.74	1.88	1.35	1.26	1.40	1.73	1.43	1.73	1.81	2.07	1.71	1.58	1.41
% ATTAINMENT	83.44	82.10	85.19	90.29	88.11	80.48	76.64	89.17	86.19	83.76	80.88	84.54	87.43	86.94	84.18	83.01

Pasted From Surveys	ALUMNI SURVEY	2.54	2.87	2.71	2.81	2.74	2.79	2.12	2.34	2.79	2.64	2.87	2.74	2.71	2.96	2.14	2.76
	EMPLOYER SURVEY	2.34	2.48	2.63	2.87	2.34	2.91	2.20	2.58	2.81	2.31	2.91	2.64	2.25	2.91	1.83	2.91
	STUDENT EXIT SURVEY	2.42	2.43	2.83	2.79	2.32	2.79	2.41	2.18	2.91	2.08	2.79	2.73	2.19	2.94	2.12	2.87
	INDIRECT ATTAINMENT	2.43	2.59	2.72	2.82	2.47	2.83	2.24	2.37	2.84	2.34	2.86	2.70	2.38	2.94	2.03	2.85
		P01	P02	P03	P04	P05	P06	P07	P08	P09	P10	P11	P12	PSO1	PSO2	PSO3	PSO4
	Overall 80% Direct + 20% Indirect (3 point scale)	2.18	2.00	1.99	1.96	2.00	1.64	1.45	1.59	1.96	1.61	1.96	1.99	2.13	1.96	1.67	1.70
	Overall 80% Direct + 20% Indirect (%)	72.80	66.53	66.48	65.32	66.50	54.75	48.48	53.12	65.17	53.71	65.25	66.35	70.96	65.31	55.61	56.63

19/01/2023

Academic Co-Ordinator

19.1.23

HoD