

1-3-2-ECE-File No: I.



Annamacharya Institute of Technology and Sciences, Tirupati  
Department of Electronics and Communication Engineering



List of Value Added Courses

S.No	Name of the Value Added Course-NPTEL	Course Code
1.	Analog communication	noc17-ec11
2.	Digital speech processing	noc17-ec13
3.	Satellite communication	noc17-ec14
4.	Design for internet of things	noc17-ee20
5.	Networks and systems	noc17-ee15
6.	Introduction to Modern Application Development	noc17-cs40
7.	Cloud computing	noc17-cs23
8.	Embedded Systems Design	noc18-cs05
9.	Microprocessors and Microcontrollers	noc18-ec03
10.	Analog IC Design	noc18-ec05
11.	Integrated Circuits, MOSFETs, Op-Amps and their Applications	noc18-ec09
12.	Digital Switching - I	noc18-ee07
13.	Analog Circuits	noc18-ee11
14.	Farm Machinery	noc18-ar05
15.	Biology for engineers and other non-biologists	noc18-bt23
16.	Modern Construction materials	noc18-ce22
17.	Remote Sensing and Digital Image Processing of Satellite Data	noc18-ce34
18.	Switching Circuits and Logic Design	noc18-cs30
19.	Problem Solving through Programming in C	noc18-cs31
20.	Programming in C++	noc18-cs32
21.	Introduction to Programming in C	noc18-cs33
22.	Programming, Data Structures and Algorithms using Python	noc18-cs34
23.	The Joy of Computing using Python	noc18-cs35
24.	Computer Networks and Internet Protocol	noc18-cs38
25.	Introduction to Machine Learning	noc18-cs40
26.	Deep Learning	noc18-cs41
27.	Software testing	noc18-cs42
28.	Introduction to Internet of Things	noc18-cs46
29.	Hardware modelling using Verilog	noc18-cs48
30.	Artificial Intelligence : Search Methods For Problem solving	noc18-cs51
31.	Embedded Systems-Design Verification and Test	noc18-cs54
32.	Fundamentals of Electrical Engineering	noc18-ee14
33.	Basic electrical circuits	noc18-ee18

N. Pushpalakshmi  
HEAD

Dept. of Electronics & Communication Engg  
Annamacharya Institute of  
Technology and Sciences, Tirupati-517 520

34.	Microwave Theory and Techniques	noc18-ee22
35.	Analysis and Design Principles of Microwave Antennas	noc18-ee23
36.	Advanced Linear Continuous Control Systems: Applications with	noc18-ee25
37.	Analog communication	noc18-ee26
38.	Principles of Digital Communications	noc18-ee27
39.	Fiber-Optic Communication Systems and Techniques	noc18-ee28
40.	Introduction to Wireless and Cellular Communications	noc18-ee29
41.	Discrete Time Signal Processing	noc18-ee30
42.	Semiconductor Devices and Circuits	noc18-ee32
43.	Digital Circuits	noc18-ee33
44.	Architectural Design of Digital Integrated Circuits	noc18-ee34
45.	Op-Amp Practical Applications: Design, Simulation and	noc18-ee37
46.	Information Theory, Coding and Cryptography	noc18-ee39
47.	Digital Image Processing	noc18-ee40
48.	Advanced Topics in Probability and Random Processes	noc18-ee43
49.	Analog Electronic Circuit	noc18-ee45
50.	Microwave integrated circuits	noc18-ee47
51.	An Introduction to Information Theory	noc18-ee49
52.	Introduction to Research	noc18-ge12
53.	Outcome based pedagogic principles for effective teaching	noc18-ge15
54.	Technical english for engineers	noc18-hs27
55.	English Language for Competitive Exams	noc18-hs28
56.	Soft skills	noc18-hs29
57.	Developing Soft Skills and Personality	noc18-hs30
58.	Introduction to Basic Spoken Sanskrit	noc18-hs35
59.	Consumer Psychology	noc18-hs43
60.	Educational Leadership	noc18-hs44
61.	Introduction to probability and Statistics	noc18-ma07
62.	Calculus of One Real Variable	noc18-ma08
63.	Integral Equations, Calculus of variations and its applications	noc18-ma09
64.	Ordinary and Partial Differential Equations and Applications	noc18-ma10
65.	Matrix Analysis with Applications	noc18-ma14
66.	Introduction to Probability Theory and Stochastic Processes	noc18-ma19
67.	Statistical Inference	noc18-ma22
68.	Ethics in Engineering Practice	noc18-mg25
69.	Leadership	noc18-mg29
70.	Marketing Management-I	noc18-mg30
71.	Marketing research and analysis	noc18-mg31

*N. Pushyadatta*  
**HEAD**  
 Dept. of Electronics & Communication Engg  
 Annamacharya Institute of  
 Technology & Sciences, TIRUPATI-517 520

72.	Control System Design	
73.	Computer Architecture and Organisation	noc18-ph16
74.	Problem solving through Programming In C	noc19-cs03
75.	Programming in Java	noc19-cs06
76.	Programming, Data Structures and Algorithms using Python	noc19-cs07
77.	Joy of computing using Python	noc19-cs08
78.	Programming In C++	noc19-cs09
79.	Data Base Management System	noc19-cs10
80.	Machine Learning for Engineering and Science Applications	noc19-cs12
81.	Data Mining	noc19-cs14
82.	Parallel Algorithms	noc19-cs15
83.	Deep Learning - Part 2	noc19-cs17
84.	AI: Knowledge Representation and Reasoning	noc19-cs18
85.	Embedded System Design with ARM	noc19-cs19
86.	Block chain Architecture Design and Use Cases	noc19-cs22
87.	Cloud Computing	noc19-cs26
88.	Introduction to Internet of Things	noc19-cs27
89.	Introduction to Industry 4.0 and Industrial Internet of Things	noc19-cs31
90.	Machine Learning, ML	noc19-cs32
91.	Electrical Machines - II	noc19-cs35
92.	Power System Engineering	noc19-ee01
93.	Fundamentals of semiconductor devices	noc19-ee02
94.	Principles of Digital Communications	noc19-ee04
95.	Modern Digital Communication Techniques	noc19-ee05
96.	Principles of Signals and Systems	noc19-ee06
97.	Principles of Communication Systems - I	noc19-ee07
98.	Digital Electronic Circuits	noc19-ee08
99.	Analog Circuits	noc19-ee09
100.	Microprocessors and Microcontrollers	noc19-ee10
101.	Electronic Systems for Cancer Diagnosis	noc19-ee11
102.	Evolution of Air Interface towards 5G	noc19-ee12
103.	Antennas	noc19-ee16
104.	Introduction to Photonics	noc19-ee19
105.	Electromagnetic Waves in Guided and Wireless Media	noc19-ee20
106.	Basics of Software Defined Radios and Practical Applications	noc19-ee21
107.	Advances in UHV Transmission and Distribution	noc19-ee22
108.	CMOS Digital VLSI Design	noc19-ee24
109.	Introduction to Coding Theory	noc19-ee25
		noc19-ee26

N. Rishya Lakshmi  
HEAD

Dept. of Electronics & Communication Engg  
Annamacharya Institute of  
Technology & Sciences, TIRUPATI-517 520

110.	Multirate DSP	noc19-ee27
111.	Advanced IOT Applications	noc19-ee28
112.	Control engineering	noc19-ee30
113.	Electronic Modules for Industrial Applications using Op-Amps	noc19-ee32
114.	Introduction to Research	noc19-ge03
115.	Fuzzy Logic and Neural Networks	noc19-ge07
116.	Matlab Programming for Numerical Computation	noc19-ge10
117.	Introduction to Cognitive Psychology	noc19-hs16
118.	Psychiatry - An overview	noc19-hs17
119.	Better Spoken English	noc19-hs19
120.	Speaking Effectively	noc19-hs21
121.	Enhancing Soft Skills and Personality	noc19-hs22
122.	Probability and Statistics	noc19-ma08
123.	Industrial Automation and Control	noc19-me04
124.	Foundation Course in Managerial Economics	noc19-mg01
125.	Consumer Behaviour	noc19-mg08
126.	Supply Chain Analytics	noc19-mg21
127.	Fundamentals of electronic materials and devices	noc19-mm03
128.	GPS Surveying	noc19-ce39
129.	Remote Sensing and GIS	noc19-ce41
130.	Programming in C++	noc19-cs38
131.	An Introduction to Programming through C++	noc19-cs39
132.	Programming, Data Structures and Algorithms Using Python	noc19-cs40
133.	The Joy of Computing using Python	noc19-cs41
134.	Introduction to Programming in C	noc19-cs42
135.	Problem Solving through Programming in C	noc19-cs43
136.	C Programming and Assembly Language	noc19-cs44
137.	Data Base Management System	noc19-cs46
138.	Design and analysis of algorithms	noc19-cs47
139.	Object oriented analysis and design	noc19-cs48
140.	Discrete Mathematics	noc19-cs49
141.	Python for Data Science	noc19-cs59
142.	Advanced Computer Architecture	noc19-cs62
143.	Cloud Computing	noc19-cs64
144.	Introduction to Internet of Things	noc19-cs65
145.	Ethical Hacking	noc19-cs68
146.	Software Engineering	noc19-cs69
147.	Hardware modelling using Verilog	noc19-cs72

N. Pushpalatha  
HEAD

Dept. of Electronics & Communication Engg  
Annamacharya Institute of  
TECHNOLOGY  
517 520



148.	Switching Circuits and Logic Design	noc19-cs74
149.	Artificial Intelligence : Search Methods for Problem Solving	noc19-cs83
150.	Programming In Java	noc19-cs84
151.	Control systems	noc19-de04
152.	Basic Electric Circuits	noc19-ee36
153.	Power Electronics	noc19-ee37
154.	Analog Electronic Circuit	noc19-ee38
155.	Op-Amp Practical Applications: Design, Simulation and	noc19-ee39
156.	Fabrication Techniques for MEMs-Based Sensors: Clinical	noc19-ee40
157.	Sensors and Actuators	noc19-ee41
158.	Control engineering	noc19-ee42
159.	Electrical Measurement and Electronic Instruments	noc19-ee44
160.	Advanced Linear Continuous Control Systems: Applications with	noc19-ee45
161.	Analog Communication	noc19-ee46
162.	Principles of Communication Systems - Part II	noc19-ee47
163.	Introduction to Wireless and Cellular Communications	noc19-ee48
164.	Principles of Modern CDMA/ MIMO/ OFDM Wireless	noc19-ee49
165.	Digital Signal Processing	noc19-ee50
166.	Digital Circuits	noc19-ee51
167.	Digital Switching - I	noc19-ee52
168.	Neural Networks for Signal Processing - I	noc19-ee53
169.	Microelectronics: Devices to Circuits	noc19-ee54
170.	Digital Image Processing	noc19-ee55
171.	Microwave Theory and Techniques	noc19-ee57
172.	Principles and Techniques of Modern Radar Systems	noc19-ee58
173.	Electrical Machines - I	noc19-ee60
174.	Fiber-Optic Communication Systems and Techniques	noc19-ee67
175.	Microwave Engineering	noc19-ee68
176.	Electrical Machines	noc19-ee69
177.	Game theory	noc19-ge32
178.	Technical english for engineers	noc19-hs31
179.	Developing Soft Skills and Personality	noc19-hs32
180.	Soft skills	noc19-hs33
181.	Body Language: Key to Professional Success	noc19-hs34
182.	Ethics in Engineering Practice	noc19-hs35
183.	The Psychology of Language	noc19-hs44
184.	Indian Fiction in English	noc19-hs47
185.	German-II	noc19-hs50

*N. Pushpalatha*  
**HEAD**  
 Dept. of Electronics & Communication Engg  
 Annamacharya Institute of  
 Technology & Sciences, TIRUPATI-517 520

186.	German-I	noc19-hs51
187.	Introduction to Japanese Language and Culture	noc19-hs52
188.	Psychology of Everyday	noc19-hs56
189.	Positive Psychology	noc19-hs63
190.	Higher Engineering Mathematics	noc19-ma22
191.	Applied Thermodynamics for Engineers	noc19-me57
192.	Fundamentals of Artificial Intelligence	noc19-me71
193.	Project Management	noc19-mg30
194.	Leadership	noc19-mg34
195.	Educational Leadership	noc19-mg35
196.	Economics of Health and Health Care	noc19-mg50
197.	Innovation, Business Models and Entrepreneurship	noc19-mg55
198.	Nanotechnology, Science and Applications	noc19-mm21
199.	Introduction to Electromagnetic Theory	noc19-ph08
200.	Bioenergetics of Life Processes	noc20-bt03
201.	Fundamentals of semiconductor devices	noc20-bt17
202.	Remote Sensing Essentials	noc20-ce29
203.	Process Control - Design, Analysis and Assessment	noc20-ch11
204.	Introduction to Database Systems	noc20-cs03
205.	Problem solving through Programming In C	noc20-cs06
206.	Programming in Java	noc20-cs08
207.	Embedded Systems Design	noc20-cs14
208.	Embedded System Design with ARM	noc20-cs15
209.	VLSI Physical Design	noc20-cs18
210.	Cloud computing	noc20-cs20
211.	Introduction to internet of things	noc20-cs22
212.	Programming, Data Structures And Algorithms Using Python	noc20-cs26
213.	Design and analysis of algorithms	noc20-cs27
214.	The Joy of Computing using Python	noc20-cs35
215.	Python for Data Science	noc20-cs36
216.	An Introduction to Artificial Intelligence	noc20-cs42
217.	Data Analytics with Python	noc20-cs46
218.	An Introduction To Programming Through C++	noc20-cs53
219.	Electronics equipment integration and Prototype building	noc20-ee01
220.	Transmission lines and electromagnetic waves	noc20-ee04
221.	Digital IC Design	noc20-ee05
222.	Signals and Systems	noc20-ee06
223.	DC Power Transmission Systems	noc20-ee09

*A. Raghavadas*  
**HEAD**  
 Dept. of Electronics & Communication Engg  
 Annamacharya Institute of  
 Technology & Sciences, TIRUPATI-517 520

224.	Microprocessors and Interfacing	noc20-ee11
225.	Integrated Circuits, MOSFETs, OP-Amps and their Applications	noc20-ee13
226.	Principles of Signals and Systems	noc20-ee15
227.	Principles of Communication Systems - I	noc20-ee16
228.	Principles of Digital Communication	noc20-ee17
229.	Antennas	noc20-ee20
230.	Control engineering	noc20-ee22
231.	Analog Circuits	noc20-ee24
232.	Microwave Integrated Circuits	noc20-ee25
233.	CMOS Digital VLSI Design	noc20-ee29
234.	Discrete Time Signal Processing	noc20-ee31
235.	Digital Electronic Circuits	noc20-ee32
236.	Fundamentals of MIMO Wireless Communication	noc20-ee33
237.	Basic Building Blocks of Microwave Engineering & Design Principles	noc20-ee35
238.	Evolution of Air Interface towards 5G	noc20-ee36
239.	Medical Image Analysis	noc20-ee40
240.	Microprocessors And Microcontrollers	noc20-ee42
241.	VLSI Signal Processing	noc20-ee44
242.	Analog Electronic Circuits	noc20-ee45
243.	Network Analysis	noc20-ee46
244.	A brief introduction of Micro - Sensors	noc20-ee52
245.	Effective Writing	noc20-hs06
246.	Advanced Engineering Mathematics	noc20-ma13
247.	Advanced Probability Theory	noc20-ma18
248.	Electromagnetism	noc20-ph08
249.	Advance Aircraft Maintenance	noc20-ae07
250.	Problem solving through Programming In C	noc20-cs56
251.	Programming in Java	noc20-cs58
252.	Deep Learning	noc20-cs62
253.	Hardware modelling using Verilog	noc20-cs63
254.	Computer architecture and organization	noc20-cs64
255.	Cloud computing	noc20-cs65
256.	Introduction to internet of things	noc20-cs66
257.	Switching Circuits and Logic Design	noc20-cs67
258.	Python for Data Science	noc20-cs80
259.	Artificial Intelligence Search Methods For Problem Solving	noc20-cs81
260.	The Joy of Computing using Python	noc20-cs83
261.	Introduction to Programming in C	noc20-cs91

*N. Pushpalatha*  
**HEAD**  
 Dept. of Electronics & Communication Engg  
 Annamacharya Institute of  
 Technology & Sciences, TIRUPATI-517 520

262.	Big Data Computing	noc20-cs92
263.	C Programming and Assembly Language	noc20-cs94
264.	Introduction to Wireless and Cellular Communications	noc20-ee61
265.	Basic Electrical Circuits	noc20-ee64
266.	Analog communication	noc20-ee69
267.	Digital Circuits	noc20-ee70
268.	Digital Image Processing	noc20-ee75
269.	Digital VLSI Testing	noc20-ee76
270.	Semiconductor Devices and Circuits	noc20-ee77
271.	Fiber Optic Communication Technology	noc20-ee79
272.	Probability Foundations for Electrical Engineers	noc20-ee82
273.	Image Signal Processing	noc20-ee83
274.	Control systems	noc20-ee90
275.	Microwave Engineering	noc20-ee91
276.	Applied Electromagnetics For Engineers	noc20-ee93
277.	An Introduction to Coding Theory	noc20-ee94
278.	Introductory Neuroscience & Neuro-Instrumentation	noc20-ee95
279.	Power Electronics	noc20-ee97
280.	Introduction to Embedded System Design	noc20-ee98
281.	Teaching And Learning in General Programs: TALG	noc20-ge21
282.	Essential Mathematics for Machine Learning	noc20-ma35
283.	A basic course in number theory	noc20-ma39
284.	Aircraft Design	noc21-ae04
285.	Advanced Thermodynamics	noc21-ch23
286.	Problem Solving through Programming in C	noc21-cs01
287.	Programming in C++	noc21-cs02
288.	Programming in Java	noc21-cs03
289.	Data Base Management System	noc21-cs04
290.	Deep Learning - IITKGP	noc21-cs05
291.	Embedded Systems Design	noc21-cs08
292.	Cloud computing	noc21-cs14
293.	Cryptography and Network Security	noc21-cs16
294.	Introduction to Internet of Things	noc21-cs17
295.	Introduction to Industry 4.0 and Industrial Internet of Things	noc21-cs20
296.	Programming, Data Structures And Algorithms Using Python	noc21-cs21
297.	Introduction to Machine Learning	noc21-cs24
298.	Artificial Intelligence: Knowledge Representation and Reasoning	noc21-cs26
299.	The Joy of Computing using Python	noc21-cs32

N. Pushpalakshmi  
HEAD

Dept. of Electronics & Communication Engg  
Annamacharya Institute of  
Technology & Sciences, TIRUPATI-517-520



300.	Python for Data Science	noc21-cs33
301.	Computer Organization and Architecture: A Pedagogical Aspect	noc21-cs37
302.	An Introduction to Programming through C++	noc21-cs38
303.	An Introduction to Artificial Intelligence	noc21-cs42
304.	Advanced Computer Architecture	noc21-cs47
305.	Machine Learning, ML	noc21-cs51
306.	Fundamental of Power Electronics	noc21-ee01
307.	Principles of Signals and Systems	noc21-ee02
308.	Control engineering	noc21-ee05
309.	Analog Circuits	noc21-ee07
310.	CMOS Digital VLSI Design	noc21-ee09
311.	Digital Electronic Circuits	noc21-ee10
312.	Modern digital communication techniques	noc21-ee11
313.	Evolution of Air Interface towards 5G	noc21-ee12
314.	Network Analysis	noc21-ee14
315.	Microprocessors and Microcontrollers	noc21-ee18
316.	Digital Signal Processing and its Applications	noc21-ee20
317.	Digital IC Design	noc21-ee22
318.	Computer Vision and Image Processing - Fundamentals and	noc21-ee23
319.	Signals and Systems	noc21-ee28
320.	Sensors and Actuators	noc21-ee32
321.	Probability Foundations for Electrical Engineers	noc21-ee37
322.	Digital System Design	noc21-ee39
323.	Electromagnetic Waves in Guided and Wireless Media	noc21-ee43
324.	Statistical Signal Processing	noc21-ee44
325.	Analog IC Design	noc21-ee51
326.	Architectural Design of Digital Integrated Circuits	noc21-ee52
327.	Transmission Lines and Electromagnetic Waves	noc21-ee53
328.	Basic Electronics	noc21-ee55
329.	An Introduction to Information Theory	noc21-ee57
330.	Introduction to Embedded System Design	noc21-ee58
331.	Entrepreneurship Essentials	noc21-ge06
332.	English Language for Competitive Exams	noc21-hs16
333.	Introduction to Robotics	noc21-me32
334.	Robotics and Control : Theory and Practice	noc21-me49
335.	Aircraft Stability and Control	noc21-ae08
336.	Introduction to Airplane Performance	noc21-ae09
337.	Introduction to Air breathing Propulsion	noc21-ae10

N. Pushpalatha  
FIELD

Dept. of Electronics & Communication Engg  
Annamacharya Institute of  
Technology & Sciences, TIRUPATI-517 520

338.	Introduction to Aerospace Engineering	noc21-ae11
339.	Introduction to Aircraft Design	noc21-ae12
340.	Design of Fixed Wing Unmanned Aerial Vehicles	noc21-ae13
341.	Vibration and Structural Dynamics	noc21-ae15
342.	Computer Vision	noc21-cs101
343.	Problem Solving through Programming in C	noc21-cs54
344.	Programming in C++	noc21-cs55
345.	Programming in Java	noc21-cs56
346.	Data Base Management System	noc21-cs58
347.	Cloud computing	noc21-cs62
348.	Programming, Data Structures And Algorithms Using Python	noc21-cs67
349.	Data Science for Engineers	noc21-cs69
350.	Introduction to Machine Learning	noc21-cs70
351.	The Joy of Computing using Python	noc21-cs75
352.	Python for Data Science	noc21-cs78
353.	Artificial Intelligence : Search Methods for Problem Solving	noc21-cs79
354.	C Programming and Assembly Language	noc21-cs81
355.	Control systems	noc21-de08
356.	Control and Tuning Methods in Switched Mode Power Converters	noc21-ee104
357.	Electrical Measurement and Electronic Instruments	noc21-ee107
358.	Electric vehicles and Renewable energy	noc21-ee112
359.	Op-Amp Practical Applications: Design, Simulation and	noc21-ee61
360.	Fundamentals of Electrical Engineering	noc21-ee73
361.	Digital Circuits	noc21-ee75
362.	Semiconductor Devices and Circuits	noc21-ee80
363.	Design for internet of things	noc21-ee85
364.	Analog Electronic Circuits	noc21-ee89
365.	Basics of software defined Radios and Practical Applications	noc21-ee95
366.	Basic Electrical Circuits	noc21-ee99
367.	Consumer Psychology	noc21-hs64
368.	Trauma and Literature	noc21-hs74
369.	Soft skills	noc21-hs76
370.	Brief Introduction to Psychology	noc21-hs87
371.	Aircraft Propulsion	noc21-me95
372.	Human resource development	noc21-mg49
373.	Knowledge Management	noc21-mg56
374.	Entrepreneurship	noc21-mg70
375.	Aerodynamic Design of Axial Flow Compressors & Fans	noc22-ae18

N. Pushpalatha  
FIELD

376.	Aircraft Structures - I	
377.	Farm Machinery	noc22-ae19
378.	Micro Irrigation Engineering	noc22-ag07
379.	Biochemistry - IITM	noc22-ag11
380.	Fundamentals of micro and nanofabrication	noc22-bt22
381.	Introduction to Biomedical Imaging Systems	noc22-bt45
382.	Air pollution and Control	noc22-bt56
383.	AI: Constraint Satisfaction	noc22-ce22
384.	Data Analytics with Python	noc22-cs06
385.	Operating System Fundamentals	noc22-cs08
386.	C-Based VLSI Design	noc22-cs100
387.	Ethical Hacking	noc22-cs109
388.	Cloud Computing and Distributed Systems	noc22-cs13
389.	Social Networks	noc22-cs18
390.	Software Conceptual Design	noc22-cs30
391.	Software Conceptual Design	noc22-cs39
392.	Introduction To Programming In C	noc22-cs40
393.	An Introduction to Programming Through C++	noc22-cs42
394.	Programming in Modern C++	noc22-cs43
395.	Embedded Systems Design	noc22-cs46
396.	VLSI Physical Design	noc22-cs50
397.	Introduction To Industry 4.0 And Industrial Internet Of Things	noc22-cs52
398.	Introduction To Internet Of Things	noc22-cs53
399.	An Introduction to Artificial Intelligence	noc22-cs56
400.	Introduction to Operating Systems	noc22-cs78
401.	Data Structure and Algorithms using Java	noc22-cs92
402.	Embedded System Design with ARM	noc22-cs93
403.	Hardware modelling using Verilog	noc22-cs94
404.	Natural Language Processing	noc22-cs98
405.	Principles of Signals and Systems	noc22-ee04
406.	Microprocessors and Interfacing	noc22-ee09
407.	Principles of Digital Communications	noc22-ee10
408.	Microwave Engineering	noc22-ee103
409.	System Design Through VERILOG	noc22-ee104
410.	An Introduction to Coding Theory	noc22-ee108
411.	Analog Electronic Circuits	noc22-ee11
412.	Analog communication	noc22-ee115
413.	Digital Image Processing	noc22-ee116
414.	Microprocessors And Microcontrollers	noc22-ee12

N. Pushpalathy  
HEAD

414.	Analog Circuits	
415.	Antennas	
416.	Integrated Circuits, MOSFETS, OP-Amps and their Applications	noc22-ee15
417.	A brief introduction of Micro - Sensors	noc22-ee22
418.	Analog Ic Design	noc22-ee27
419.	Digital IC Design	noc22-ee36
420.	Electromagnetic Waves in Guided and Wireless Media	noc22-ee37
421.	Signals and Systems	noc22-ee38
422.	Design and Analysis of VLSI Subsystems	noc22-ee40
423.	Digital System Design	noc22-ee42
424.	Computer Vision and Image Processing " Fundamentals and	noc22-ee44
425.	Sensors and Actuators	noc22-ee45
426.	Electric Vehicles - Part 1	noc22-ee48
427.	Digital Electronic Circuits	noc22-ee50
428.	VLSI Signal Processing	noc22-ee53
429.	Architectural Design of Digital Integrated Circuits	noc22-ee55
430.	Communication Networks	noc22-ee57
431.	Signal Processing Techniques And Its Applications	noc22-ee58
432.	Medical Image Analysis	noc22-ee61
433.	Fundamentals of MIMO Wireless Communication	noc22-ee62
434.	Optical Fiber Sensors	noc22-ee64
435.	Electromagnetic Theory	noc22-ee65
436.	Analog Electronic Circuits	noc22-ee67
437.	Fabrication Techniques for MEMs-based sensors : clinical	noc22-ee69
438.	Electronic Systems for Cancer Diagnosis	noc22-ee74
439.	Principles of Communication Systems - I	noc22-ee76
440.	Analog Electronic Circuits	noc22-ee77
441.	VLSI Interconnects	noc22-ee05
442.	Basics of software defined Radios	noc22-ee11
443.	Digital Switching - I	noc22-ee125
444.	Control engineering	noc22-ee78
445.	Image Signal Processing	noc22-ee79
446.	Fiber Optic Communication Technology	noc22-ee83
447.	Introduction to Semiconductor Devices	noc22-ee86
448.	Basic Electric Circuits	noc22-ee88
449.	Real-Time Digital Signal Processing	noc22-ee91
450.	Introduction to Environmental Engineering and Science -	noc22-ee93
451.	Fundamentals Of Artificial Intelligence	noc22-ee99
		noc22-ge06
		noc22-ge29

*N. Rishu Datta*  
 HEAD  
 Dept. of Electronics & Communication Engg  
 Assamacharya Institute of  
 Technology & Sciences, THIRUPATI-517 520



452.	Effective Writing	noc22-hs05
453.	German - I	noc22-hs30
454.	English Literature for competitive exams	noc22-hs33
455.	Introduction to Fuzzy Set Theory, Arithmetic and Logic	noc22-ma47
456.	Mechatronics	noc22-me54
457.	BioMEMS And Microfluidics	noc22-me81
458.	Ethics In Engineering Practice	noc22-mg54

S.No	Name of the Value Added Course-Coursera	Course Code
1.	Write Professional Emails in English(COURSERA)	
2.	AI for Everyone(COURSERA)	
3.	Programming for everybody(COURSERA)	
4.	cyber security and the internet of things(COURSERA)	
5.	what is data science(COURSERA)	
6.	introduction to html(COURSERA)	
7.	introduction to cyber security tools and cyber-attacks(COURSERA)	
8.	Capstone: Retrieving , Processing and Visualizing data with python(COURSERA)	
9.	data science methodology(COURSERA)	
10.	tools for data science(COURSERA)	
11.	spread sheet for beginners using Google sheets(COURSERA)	
12.	Introduction to AI(COURSERA)	
13.	Python for Data Science and ai(COURSERA)	
14.	successful negotiation: essential strategies and skill(COURSERA)	
15.	project management:th basics for success(COURSERA)	
16.	design thinking for the greater good: innovation in the social sector(COURSERA)	
17.	English for commoin interactions in the wokplace:basic level(COURSERA)	
18.	framework for data collection and analysis(COURSERA)	
19.	grammar and punctuation(COURSERA)	
20.	the science of well being(COURSERA)	

N. Pushpalatha  
HEAD

21.	python basics(COURSERA)	
22.	data analysis with python(COURSERA)	
23.	python data structures(COURSERA)	
24.	java programming :solving problems with software(COURSERA)	
25.	maching learning foundations:a case study approach(COURSERA)	
26.	aws fundamentals: going cloud-native(COURSERA)	
27.	speaking english professionally:in person, online and on the phone(COURSERA)	
28.	introduction to electronics(COURSERA)	
29.	tables and forms in html(COURSERA)	
30.	IOT wireless and cloud computing emerging technologies(COURSERA)	
31.	digital manufacturing and design(COURSERA)	
32.	computer vision basics(COURSERA)	
33.	fundamentals of digital image and video processing(COURSERA)	
34.	vlsi cad part1:logic(COURSERA)	
35.	internet of things :communication technologies(COURSERA)	
36.	aws fundamentals: addressing security risk(COURSERA)	
37.	learning how to learn: powerful mental tools to help you master tough subjects(COURSERA)	
38.	object programming with java(COURSERA)	
39.	effective problems: solving and design making(COURSERA)	
40.	essentials of entrepreneurship :thinking and action(COURSERA)	
41.	indigenous Canada(COURSERA)	
42.	introduction to financial markets(COURSERA)	
43.	data science methodology(COURSERA)	
44.	git for developers using github(COURSERA)	
45.	programming in c:a comprehensive approach to c fundamentals(COURSERA)	
46.	the art of negotiation (COURSERA)	
47.	fundamental of management(COURSERA)	
48.	speak english professionally :in person, online and on the	

*N. Pushpalatha*

	phone(COURSERA)	
49.	aws fundamentals :going cloud-native(COURSERA)	
50.	building ai powered chatbots without programming(COURSERA)	
51.	electric power systems(COURSERA)	
52.	energy-the enterprise(COURSERA)	
53.	getting started with ai using imb watson(COURSERA)	
54.	intitiating and planning projects(COURSERA)	
55.	introduction to Google docs(COURSERA)	
56.	natural gas(COURSERA)	
57.	safety in the utility industry(COURSERA)	
58.	understanding financial markets(Coursera)	

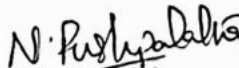
S.No	Name of the Value Added Course-Spoken Tutorial	Course Code
1.	JAVA(spoken tutorial)	
2.	C (spoken tutorial)	
3.	PYTHON (spoken tutorial)	
4.	LINUX (spoken tutorial)	
5.	PERL(spoken tutorial)	
6.	C AND CPP (spoken tutorial)	
7.	PYTHON(spoken tutorial)	
8.	ARDUINO(spoken tutorial)	
9.	ESIM(spoken tutorial)	
10.	C AND CPP (spoken tutorial)	
11.	eSim (spoken tutorial)	
12.	html (spoken tutorial)	
13.	C (spoken tutorial)	
14.	INTRODUCTION TO COMPUTERS (spoken tutorial)	
15.	ARDUINO (spoken tutorial)	
16.	eSim (spoken tutorial)	

N. Pushpalakshmi  
HEAD

Dept. of Electronics & Communication Engg  
Annamacharya Institute of  
Technology & Sciences, TIRUPATI-517 520

17.	ADVANCED C (spoken tutorial)	
18.	PYTHON (spoken tutorial)	

S.No	Name of the Value Added Course- Internships/Workshops/Microsoft Courses	Course Code
1.	Sales Force Internship	
2.	Workshop on design and hovering of an unmanned aerial vehicle(Drone Technology)	
3.	workshop on soft skill training programme	
4.	Security Fundamentals	
5.	Mobility and Device Fundamentals	
6.	Introduction to Programming through Python	
7.	Introduction to Programming through Java	
8.	Azure AI Fundamentals	
9.	Azure Fundamentals	
10.	Azure Data Fundamentals	
11.	Dynamics 365 Fundamentals Customer Engagement Apps(CRM)	
12.	Dynamics 365 Fundamentals Finance and Operations Apps(ERP)	
13.	365 Fundamentals	
14.	Power Platform Fundamentals	

  
**HEAD**  
 Dept. of Electronics & Communication Engg  
 Annamalaiya Institute of  
 Technology & Sciences, TRUPATI-517 520