



## Amrutvahini College of Engineering, Sangamner

### List of Courses in Each Program 2020-21

Sr. No.	Program code	Program Name	Course code	Course Name
1.	516219110	BE Civil Engineering	201001	Building Technology and architectural planning
2.	516219110	BE Civil Engineering	201002	Mechanics of Structure
3.	516219110	BE Civil Engineering	201003	Fluid Mechanics
4.	516219110	BE Civil Engineering	207001	Engineering Mathematics III
5.	516219110	BE Civil Engineering	207009	Engineering Geology
6.	516219110	BE Civil Engineering	201004	Building Technology and architectural planning Lab
7.	516219110	BE Civil Engineering	201005	Mechanics of Structure Lab
8.	516219110	BE Civil Engineering	201006	Fluid Mechanics Lab
9.	516219110	BE Civil Engineering	207010	Engineering Geology Lab
10.	516219110	BE Civil Engineering	201008	Geotechnical Engineering
11.	516219110	BE Civil Engineering	201009	Surveying
12.	516219110	BE Civil Engineering	201010	Concrete Technology
13.	516219110	BE Civil Engineering	201011	Structural Analysis
14.	516219110	BE Civil Engineering	201012	Project Management
15.	516219110	BE Civil Engineering	201013	Geotechnical Engineering Lab
16.	516219110	BE Civil Engineering	201014	Surveying Lab
17.	516219110	BE Civil Engineering	201015	Concrete Technology Lab
18.	516219110	BE Civil Engineering	201017	Project Based Learning
19.	516219110	BE Civil Engineering	301001	Hydrology and Water Resource Engineering
20.	516219110	BE Civil Engineering	301002	Infrastructure Engineering and Construction Techniques
21.	516219110	BE Civil Engineering	301003	Structural Design I
22.	516219110	BE Civil Engineering	301004	Structural Analysis II
23.	516219110	BE Civil Engineering	301005	Fluid Mechanics II
24.	516219110	BE Civil Engineering	301006	Employability Skill Development
25.	516219110	BE Civil Engineering	301007	Advanced Surveying
26.	516219110	BE Civil Engineering	301008	Project Management and Engineering Economics
27.	516219110	BE Civil Engineering	301009	Foundation Engineering
28.	516219110	BE Civil Engineering	301010	Structural Design II
29.	516219110	BE Civil Engineering	301011	Environmental Engineering I
30.	516219110	BE Civil Engineering	301012	Seminar
31.	516219110	BE Civil Engineering	401001	Environmental Engineering II
32.	516219110	BE Civil Engineering	401002	Transportation Engineering
33.	516219110	BE Civil Engineering	401003	Structural Design III
34.	516219110	BE Civil Engineering	401004	Elective I (ATP)
35.	516219110	BE Civil Engineering	401005	Elective II (TQM & MIS)
36.	516219110	BE Civil Engineering	401006	Project Phase I
37.	516219110	BE Civil Engineering	401007	Dams and Hydraulic Structures
38.	516219110	BE Civil Engineering	401008	Quantity Surveying, Contracts and Tenders
39.	516219110	BE Civil Engineering	401009	Elective III
40.	516219110	BE Civil Engineering	401010	Elective IV
41.	516219110	BE Civil Engineering	401006	Project

  
**PRINCIPAL**  
Amrutvahini College of Engg.  
SANGAMNER - 422 608  
Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

42.	516219110	ME Civil Structures	501001	Theory of Elasticity and Plasticity
43.	516219110	ME Civil Structures	501002	Structural Dynamics
44.	516219110	ME Civil Structures	501003	Advanced Design of Steel Structures
45.	516219110	ME Civil Structures	501004	Numerical Methods in Structural Engineering
46.	516219110	ME Civil Structures	501005	Elective I
47.	516219110	ME Civil Structures	501006	Lab Practice I
48.	516219110	ME Civil Structures	501007	Finite Element Analysis
49.	516219110	ME Civil Structures	501008	Theory of Plates and Shells
50.	516219110	ME Civil Structures	501009	Advanced Design of Concrete Structures
51.	516219110	ME Civil Structures	501010	Elective II
52.	516219110	ME Civil Structures	501011	Lab Practice II
53.	516219110	ME Civil Structures	501012	Seminar I
54.	516219110	ME Civil Structures	601013	Research Methodology
55.	516219110	ME Civil Structures	601014	Analysis and Design of Earthquake Resistant Structure
56.	516219110	ME Civil Structures	601015	Elective III
57.	516219110	ME Civil Structures	601016	Seminar II
58.	516219110	ME Civil Structures	601017	Project Stage I
59.	516219110	ME Civil Structures	601018	Seminar III
60.	516219110	ME Civil Structures	601019	Project Stage II
61.	516219110	Ph.D. Civil Engineering	700001	Research Methodology
62.	516219110	Ph.D. Civil Engineering	700002	Seminar
63.	516219110	Ph.D. Civil Engineering	700003	Faculty Specific Topics for Engineering Research Part-A (700003-A) Mathematics for Engineering Research Part-B (700003-B) Branch Specific Topics
64.	516224510	BE Computer Engineering	210241	Discrete Mathematics
65.	516224510	BE Computer Engineering	210242	Fundamentals of Data Structures
66.	516224510	BE Computer Engineering	210243	Object Oriented Programming
67.	516224510	BE Computer Engineering	210244	Computer Graphics
68.	516224510	BE Computer Engineering	210245	Digital Electronics and Logic Design
69.	516224510	BE Computer Engineering	210246	Data Structures Lab
70.	516224510	BE Computer Engineering	210247	OOP and Computer Graphics Laboratory
71.	516224510	BE Computer Engineering	210248	Digital Electronics Lab
72.	516224510	BE Computer Engineering	210249	Buisness Communication Skills
73.	516224510	BE Computer Engineering	210250	Humanity and Social science
74.	516224510	BE Computer Engineering	210252	Data Structures and Algorithms
75.	516224510	BE Computer Engineering	210253	Software Engineering
76.	516224510	BE Computer Engineering	210254	Microprocessor
77.	516224510	BE Computer Engineering	210255	Principles of Programming Languages
78.	516224510	BE Computer Engineering	210256	Data Structures and Algorithms Lab
79.	516224510	BE Computer Engineering	210257	Microprocessor Lab
80.	516224510	BE Computer Engineering	210258	Project Based Learning II
81.	516224510	BE Computer Engineering	210259	Code of Conduct
82.	516224510	BE Computer Engineering	207003	Engineering Mathematics III
83.	516224510	BE Computer Engineering	310241	Theory of Computation
84.	516224510	BE Computer Engineering	310242	Database Management Systems (DBMS)
85.	516224510	BE Computer Engineering	310243	Software Engineering & Project Management
86.	516224510	BE Computer Engineering	310244	Information Systems & Engineering

  
**PRINCIPAL**  
Amrutvahini College of Engg.  
SANGAMNER - 422 608  
Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

				Economics
87.	516224510	BE Computer Engineering	310245	Computer Networks (CN)
88.	516224510	BE Computer Engineering	310246	Skills Development Lab
89.	516224510	BE Computer Engineering	310247	DBMS Lab
90.	516224510	BE Computer Engineering	310248	CN LAB
91.	516224510	BE Computer Engineering	310250	Design & Analysis of Algorithms
92.	516224510	BE Computer Engineering	310251	Systems Programming & Operating System (SP & OS)
93.	516224510	BE Computer Engineering	310252	Embedded Systems & Internet of Things (ES & IoT)
94.	516224510	BE Computer Engineering	310253	Software Modeling and Design
95.	516224510	BE Computer Engineering	310254	Web Technology
96.	516224510	BE Computer Engineering	310255	Seminar & Technical Communication
97.	516224510	BE Computer Engineering	310256	Web Technology Lab
98.	516224510	BE Computer Engineering	310257	SP & OS Lab
99.	516224510	BE Computer Engineering	310258	ES & IoT Lab
100.	516224510	BE Computer Engineering	410241	High Performance Computing
101.	516224510	BE Computer Engineering	410242	Artificial Intelligence and Robotics
102.	516224510	BE Computer Engineering	410243	Data Analytics
103.	516224510	BE Computer Engineering	410244	Elective - I
104.	516224510	BE Computer Engineering	410245	Elective - II
105.	516224510	BE Computer Engineering	410246	Laboratory Practice I
106.	516224510	BE Computer Engineering	410247	Laboratory Practice II
107.	516224510	BE Computer Engineering	410248	Project Work Stage-I
108.	516224510	BE Computer Engineering	410250	Machine Learning
109.	516224510	BE Computer Engineering	410251	Information and Cyber Security
110.	516224510	BE Computer Engineering	410252	Elective -III
111.	516224510	BE Computer Engineering	410253	Elective -IV
112.	516224510	BE Computer Engineering	410254	Laboratory Practice III
113.	516224510	BE Computer Engineering	410255	Laboratory Practice IV
114.	516224510	BE Computer Engineering	410256	Project Work Stage II
115.	516224510	ME Computer Engineering	510101	Research Methodology
116.	516224510	ME Computer Engineering	510102	Bioinspired Optimization Algorithm
117.	516224510	ME Computer Engineering	510103	Software Development and Version Control
118.	516224510	ME Computer Engineering	510104	Embedded and Real Time Operating System
119.	516224510	ME Computer Engineering	510105	Elective - I
120.	516224510	ME Computer Engineering	510106	Laboratory Proficiency - I
121.	516224510	ME Computer Engineering	510107	Non Credit Course - I
122.	516224510	ME Computer Engineering	510108	Operations Research
123.	516224510	ME Computer Engineering	510109	Systems Simulation and Modelling
124.	516224510	ME Computer Engineering	510110	Machine Learning
125.	516224510	ME Computer Engineering	510111	Elective- II
126.	516224510	ME Computer Engineering	510112	Seminar - I
127.	516224510	ME Computer Engineering	510113	Laboratory Proficiency - II
128.	516224510	ME Computer Engineering	510114	Non Credit Course - II
129.	516224510	ME Computer Engineering	610101	Fault Tolerant System
130.	516224510	ME Computer Engineering	610102	Information Retrieval
131.	516224510	ME Computer Engineering	610103	Elective - III
132.	516224510	ME Computer Engineering	610104	Seminar - II
133.	516224510	ME Computer Engineering	610105	Dissertation Stage - I
134.	516224510	ME Computer Engineering	610106	Non Audit Course- III


  
**PRINCIPAL**  
Amrutvahini College of Engg.  
SANGAMNER - 422 608  
Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

135.	516224510	ME Computer Engineering	610107	Seminar - III
136.	516224510	ME Computer Engineering	610108	Dissertation Stage - II
137.	516229310	BE Electrical Engineering	207006	Engineering Mathematics-III
138.	516229310	BE Electrical Engineering	203141	Power Generation Technologies
139.	516229310	BE Electrical Engineering	203142	Material Science
140.	516229310	BE Electrical Engineering	203143	Analog and Digital Electronics
141.	516229310	BE Electrical Engineering	203144	Electrical Measurement & Instrumentation
142.	516229310	BE Electrical Engineering	203150	Applications of Mathematics in Electrical Engineering
143.	516229310	BE Electrical Engineering	203151	Soft Skill
144.	516229310	BE Electrical Engineering	203145	Power System-I
145.	516229310	BE Electrical Engineering	203146	Electrical Machines-I
146.	516229310	BE Electrical Engineering	203147	Network Analysis
147.	516229310	BE Electrical Engineering	203148	Numerical Methods & Computer Programming
148.	516229310	BE Electrical Engineering	203149	Fundamental of Microcontroller and Applications
149.	516229310	BE Electrical Engineering	203152	Project Based Learning
150.	516229310	BE Electrical Engineering	203152	Project Based Learning
151.	516229310	BE Electrical Engineering	303141	Industrial and Technology Management
152.	516229310	BE Electrical Engineering	303142	Power Electronics
153.	516229310	BE Electrical Engineering	303143	Electrical Machines-II
154.	516229310	BE Electrical Engineering	303144	Electrical Installation Design and Condition Based Maintenance
155.	516229310	BE Electrical Engineering	303145	Elective-I Advanced Microcontroller and Embedded System
156.	516229310	BE Electrical Engineering	303146	Seminar
157.	516229310	BE Electrical Engineering	303146	Seminar
158.	516229310	BE Electrical Engineering	303148	Power System-II
159.	516229310	BE Electrical Engineering	303149	Computer Aided Design of Electrical Machines
160.	516229310	BE Electrical Engineering	303150	Control System Engineering
161.	516229310	BE Electrical Engineering	303151	Elective-II
162.	516229310	BE Electrical Engineering	303152	Internship
163.	516229310	BE Electrical Engineering	303152	Internship
164.	516229310	BE Electrical Engineering	403141	Power System Operation and Control
165.	516229310	BE Electrical Engineering	403142	PLC and SCADA Applications
166.	516229310	BE Electrical Engineering	403143	Elective I Power Quality
167.	516229310	BE Electrical Engineering	403144	Elective II Electric and Hybrid Vehicles
168.	516229310	BE Electrical Engineering	403145	Control System II
169.	516229310	BE Electrical Engineering	403146	Project I
170.	516229310	BE Electrical Engineering	403146	Project I
171.	516229310	BE Electrical Engineering	403147	Switchgear and Protection
172.	516229310	BE Electrical Engineering	403148	Power Electronic Controlled Drives
173.	516229310	BE Electrical Engineering	403149	Elective III High Voltage Engineering
174.	516229310	BE Electrical Engineering	403150	Elective IV Smart Grid
175.	516229310	BE Electrical Engineering	403151	Project II
176.	516237610	BE Electronics Engineering	207005	Engineering Mathematics III
177.	516237610	BE Electronics Engineering	204181	Electronic Circuits
178.	516237610	BE Electronics Engineering	204182	Digital Circuits
179.	516237610	BE Electronics Engineering	204183	Electrical Circuits


  
**PRINCIPAL**  
Amrutvahini College of Engg.  
SANGAMNER - 422 608  
Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

180.	516237610	BE Electronics Engineering	204184	Data structures
181.	516237610	BE Electronics Engineering	204185	Electronic Circuit Lab
182.	516237610	BE Electronics Engineering	204186	Digital circuits Lab
183.	516237610	BE Electronics Engineering	204187	Electrical Circuit Lab
184.	516237610	BE Electronics Engineering	204188	Data Structures Lab
185.	516237610	BE Electronics Engineering	204189	Electronic Skill Development
186.	516237610	BE Electronics Engineering	204191	Signals & Systems
187.	516237610	BE Electronics Engineering	204192	Control Systems
188.	516237610	BE Electronics Engineering	204193	Principles of Communication Systems
189.	516237610	BE Electronics Engineering	204194	Object Oriented Programming
190.	516237610	BE Electronics Engineering	204195	Signals & Control System Lab
191.	516237610	BE Electronics Engineering	204196	Principle of Communication Systems Lab
192.	516237610	BE Electronics Engineering	204197	Object Oriented Programming Lab
193.	516237610	BE Electronics Engineering	204198	Data Analytics Lab
194.	516237610	BE Electronics Engineering	204199	Employability Skill Development
195.	516237610	BE Electronics Engineering	204200	Project Based Learning
196.	516237610	BE Electronics Engineering	304201	Power Electronics and Applications
197.	516237610	BE Electronics Engineering	304202	Instrumentation Systems
198.	516237610	BE Electronics Engineering	304203	Electromagnetics and Wave propagation
199.	516237610	BE Electronics Engineering	304204	Microcontrollers and Applications
200.	516237610	BE Electronics Engineering	304205	Data Communication
201.	516237610	BE Electronics Engineering	304211	Instrumentation and Power Electronics Lab
202.	516237610	BE Electronics Engineering	304212	Microcontroller and Data Communication Lab
203.	516237610	BE Electronics Engineering	304213	Electronics System Design Practice
204.	516237610	BE Electronics Engineering	304206	DSP and Applications
205.	516237610	BE Electronics Engineering	304207	Embedded Processors
206.	516237610	BE Electronics Engineering	304208	Business Management and Organization
207.	516237610	BE Electronics Engineering	304209	Fundamentals of HDL
208.	516237610	BE Electronics Engineering	304210	PLC and Applications
209.	516237610	BE Electronics Engineering	304214	Embedded and DSP Lab
210.	516237610	BE Electronics Engineering	304215	PLC and HDL Programming Lab
211.	516237610	BE Electronics Engineering	304216	Mini Project
212.	516237610	BE Electronics Engineering	404201	VLSI DESIGN
213.	516237610	BE Electronics Engineering	404202	Advanced Power Electronics
214.	516237610	BE Electronics Engineering	404203	Electronics System Design
215.	516237610	BE Electronics Engineering	404204	Elective I
216.	516237610	BE Electronics Engineering	404205	Elective II
217.	516237610	BE Electronics Engineering	404206	Lab practice -I (APE+ ESD)
218.	516237610	BE Electronics Engineering	404207	Lab practice -II (VLSI + Ele I)
219.	516237610	BE Electronics Engineering	404208	Project Stage I
220.	516237610	BE Electronics Engineering	404209	Computer Networks & security
221.	516237610	BE Electronics Engineering	404210	Process Instrumentation
222.	516237610	BE Electronics Engineering	404211	Elective III
223.	516237610	BE Electronics Engineering	404212	Elective IV
224.	516237610	BE Electronics Engineering	404213	Lab Practice III(CNS+PI)
225.	516237610	BE Electronics Engineering	404214	Lab Practice IV - (Elective III)
226.	516237610	BE Electronics Engineering	404215	Project stage II
227.	516237210	BE E&TC Engineering	207005	Engineering Mathematics III
228.	516237210	BE E&TC Engineering	204181	Electronic Circuits
229.	516237210	BE E&TC Engineering	204182	Digital Circuits

  
**PRINCIPAL**  
 Amrutvahini College of Engg.  
**SANGAMNER - 422 608**  
 Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

230.	516237210	BE E&TC Engineering	204183	Electrical Circuits
231.	516237210	BE E&TC Engineering	204184	Data structures
232.	516237210	BE E&TC Engineering	204185	Electronic Circuit Lab
233.	516237210	BE E&TC Engineering	204186	Digital circuits Lab
234.	516237210	BE E&TC Engineering	204187	Electrical Circuit Lab
235.	516237210	BE E&TC Engineering	204188	Data Structures Lab
236.	516237210	BE E&TC Engineering	204189	Electronic Skill Development
237.	516237210	BE E&TC Engineering	204191	Signals & Systems
238.	516237210	BE E&TC Engineering	204192	Control Systems
239.	516237210	BE E&TC Engineering	204193	Principles of Communication Systems
240.	516237210	BE E&TC Engineering	204194	Object Oriented Programming
241.	516237210	BE E&TC Engineering	204195	Signals & Control System Lab
242.	516237210	BE E&TC Engineering	204196	Principle of Communication Systems Lab
243.	516237210	BE E&TC Engineering	204197	Object Oriented Programming Lab
244.	516237210	BE E&TC Engineering	204198	Data Analytics Lab
245.	516237210	BE E&TC Engineering	204199	Employability Skill Development
246.	516237210	BE E&TC Engineering	204200	Project Based Learning
247.	516237210	BE E&TC Engineering	304181	Digital Communication
248.	516237210	BE E&TC Engineering	304182	Digital Signal Processing
249.	516237210	BE E&TC Engineering	304183	Electromagnetics
250.	516237210	BE E&TC Engineering	304184	Microcontrollers
251.	516237210	BE E&TC Engineering	304185	Mechatronics
252.	516237210	BE E&TC Engineering	304191	Signal Processing and Communications Lab (DC/DSP)
253.	516237210	BE E&TC Engineering	304192	Microcontrollers and Mechatronics Lab
254.	516237210	BE E&TC Engineering	304193	Electronics System Design
255.	516237210	BE E&TC Engineering	304186	Power Electronics
256.	516237210	BE E&TC Engineering	304187	Information Theory, Coding and Communication Networks
257.	516237210	BE E&TC Engineering	304188	Business Management
258.	516237210	BE E&TC Engineering	304189	Advanced Processors
259.	516237210	BE E&TC Engineering	304190	System Programming and Operating Systems
260.	516237210	BE E&TC Engineering	304194	Power and ITCT Lab
261.	516237210	BE E&TC Engineering	304195	Advanced Processors and System Programing. Lab
262.	516237210	BE E&TC Engineering	304196	Employability Skills and Mini Project
263.	516237210	BE E&TC Engineering	404181	VLSI Design & Technology
264.	516237210	BE E&TC Engineering	404182	Computer Networks
265.	516237210	BE E&TC Engineering	404183	Microwave Engineering
266.	516237210	BE E&TC Engineering	404184	Elective I
267.	516237210	BE E&TC Engineering	404185	Elective II
268.	516237210	BE E&TC Engineering	404186	Lab Practice I (CN & MWE)
269.	516237210	BE E&TC Engineering	404187	Lab Practice II (VLSI & Elective I)
270.	516237210	BE E&TC Engineering	404188	Project Phase I
271.	516237210	BE E&TC Engineering	404189	Mobile Communication
272.	516237210	BE E&TC Engineering	404190	Broadband Communication Systems
273.	516237210	BE E&TC Engineering	404191	Elective III
274.	516237210	BE E&TC Engineering	404192	Elective IV
275.	516237210	BE E&TC Engineering	404193	Lab Practice III(MC & BCS)
276.	516237210	BE E&TC Engineering	404194	Lab Practice IV(Elective III)
277.	516237210	BE E&TC Engineering	404195	Project Phase II


  
**PRINCIPAL**  
Amrutvahini College of Engg.  
SANGAMNER - 422 608  
Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

278.	516237210	ME E&TC Engineering	504301	Electromagnetics and Antenna Theory
279.	516237210	ME E&TC Engineering	504302	RF and Microwave Circuits
280.	516237210	ME E&TC Engineering	504303	Microwave Measurements
281.	516237210	ME E&TC Engineering	504304	Research Methodology
282.	516237210	ME E&TC Engineering	504305	Elective I
283.	516237210	ME E&TC Engineering	504306	Lab Practice I
284.	516237210	ME E&TC Engineering	504307	Computational Electromagnetics
285.	516237210	ME E&TC Engineering	504308	RF and MMIC Technology
286.	516237210	ME E&TC Engineering	504309	Wireless Communication System
287.	516237210	ME E&TC Engineering	504310	Elective II
288.	516237210	ME E&TC Engineering	504311	Lab Practice II
289.	516237210	ME E&TC Engineering	504312	Seminar I
290.	516237210	ME E&TC Engineering	604301	EMI and EMC Techniques
291.	516237210	ME E&TC Engineering	604302	Radar and Satellite Communications
292.	516237210	ME E&TC Engineering	604303	Elective III
293.	516237210	ME E&TC Engineering	604304	Seminar II
294.	516237210	ME E&TC Engineering	604305	Project Stage I
295.	516224210	BE Information Technology	214441	Discrete Mathematics
296.	516224210	BE Information Technology	214442	Computer Organization and Logic Design
297.	516224210	BE Information Technology	214443	Data Structures and Algorithms
298.	516224210	BE Information Technology	214444	Object Oriented Programming
299.	516224210	BE Information Technology	214445	Basics of Computer Network
300.	516224210	BE Information Technology	214446	Computer Organization and Logic Design Lab
301.	516224210	BE Information Technology	214447	Data Structures and Algorithms Lab
302.	516224210	BE Information Technology	214448	Object Oriented Programming Lab
303.	516224210	BE Information Technology	214449	Soft Skill Lab
304.	516224210	BE Information Technology	207003	Engineering Mathematics- III
305.	516224210	BE Information Technology	214451	Processor Architecture
306.	516224210	BE Information Technology	214452	Database Management System
307.	516224210	BE Information Technology	214453	Computer Graphics
308.	516224210	BE Information Technology	214454	Software Engineering
309.	516224210	BE Information Technology	214455	Programming Skill Development Lab
310.	516224210	BE Information Technology	214456	Database Management System Lab
311.	516224210	BE Information Technology	214458	Project Based Learning
312.	516224210	BE Information Technology	214457	Computer Graphics Lab
313.	516224210	BE Information Technology	314441	Theory of Computation
314.	516224210	BE Information Technology	314442	Database Management Systems
315.	516224210	BE Information Technology	314443	Software Engineering & Project Management
316.	516224210	BE Information Technology	314444	Operating System
317.	516224210	BE Information Technology	314445	Human-Computer Interaction
318.	516224210	BE Information Technology	314446	Software Laboratory-I
319.	516224210	BE Information Technology	314447	Software Laboratory-II
320.	516224210	BE Information Technology	314448	Software Laboratory-III
321.	516224210	BE Information Technology	314450	Computer Network Technology
322.	516224210	BE Information Technology	314451	Systems Programming
323.	516224210	BE Information Technology	314452	Design and Analysis of Algorithms
324.	516224210	BE Information Technology	314453	Cloud Computing
325.	516224210	BE Information Technology	314454	Data Science & Big Data Analysis
326.	516224210	BE Information Technology	314455	Software Laboratory-IV


  
**PRINCIPAL**  
 Amrutvahini College of Engg.  
 SANGAMNER - 422 608  
 Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

327.	516224210	BE Information Technology	314456	Software Laboratory-V
328.	516224210	BE Information Technology	314457	Software Laboratory-VI
329.	516224210	BE Information Technology	314458	Project Based Seminar
330.	516224210	BE Information Technology	414453	Information and Cyber Security
331.	516224210	BE Information Technology	414454	Software Modeling and Design
332.	516224210	BE Information Technology	414455	Machine Learning
333.	516224210	BE Information Technology	414456	Elective – I
334.	516224210	BE Information Technology	414457	Elective – II
335.	516224210	BE Information Technology	414458	Software Laboratory - III
336.	516224210	BE Information Technology	414459	Software Laboratory - IV
337.	516224210	BE Information Technology	414460	Project Phase I
338.	516224210	BE Information Technology	414461	Distributed System
339.	516224210	BE Information Technology	414462	Advanced Databases
340.	516224210	BE Information Technology	414463	Elective – III
341.	516224210	BE Information Technology	414464	Elective – IV
342.	516224210	BE Information Technology	414465	Software Laboratory - V
343.	516224210	BE Information Technology	414466	Software Laboratory - VI
344.	516224210	BE Information Technology	414467	Project Work
345.	516261210	Ph.D. Mechanical	700001	Research Methodology
346.	516261210	Ph.D. Mechanical	700002	Seminar
347.	516261210	Ph.D. Mechanical	700003	Faculty Specific Topics for Engineering Research Part-A (700003-A) Mathematics for Engineering Research Part-B (700003-B) Branch Specific Topics
348.	516261210	ME Mechanical	507201	Advanced Mathematics
349.	516261210	ME Mechanical	502202	Material Science and Mechanical Behavior of Materials
350.	516261210	ME Mechanical	502203	Advanced Stress Analysis
351.	516261210	ME Mechanical	502204	Research Methodology
352.	516261210	ME Mechanical	502205	Elective I**
353.	516261210	ME Mechanical	502206	Lab Practice I
354.	516261210	ME Mechanical	502207	Analysis and Synthesis of Mechanisms
355.	516261210	ME Mechanical	502208	Advanced Mechanical Vibrations
356.	516261210	ME Mechanical	502209	Finite Element Method
357.	516261210	ME Mechanical	502210	Elective II
358.	516261210	ME Mechanical	502211	Lab Practice II
359.	516261210	ME Mechanical	502212	Seminar I
360.	516261210	ME Mechanical	602213	Optimization Techniques
361.	516261210	ME Mechanical	602214	Mechanical Measurements and Controls
362.	516261210	ME Mechanical	602215	Elective III
363.	516261210	ME Mechanical	602216	Seminar II
364.	516261210	ME Mechanical	602217	Project Stage I
365.	516261210	ME Mechanical	602218	Seminar III
366.	516261210	ME Mechanical	602219	Project Work Stage II
367.	516261210	BE Mechanical	402041	Refrigeration and Air Conditioning
368.	516261210	BE Mechanical	402042	CAD/ CAM Automation
369.	516261210	BE Mechanical	402043	Dynamics of Machinery
370.	516261210	BE Mechanical	402044	Elective-I
371.	516261210	BE Mechanical	402045	Elective –II
372.	516261210	BE Mechanical	402046	Project –I
373.	516261210	BE Mechanical	402047	Power Plant Engineering


  
**PRINCIPAL**  
Amrutvahini College of Engg.  
SANGAMNER - 422 608  
Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

374.	516261210	BE Mechanical	402048	Mechanical System Design
375.	516261210	BE Mechanical	402049	Elective-III
376.	516261210	BE Mechanical	402050	Elective- IV
377.	516261210	BE Mechanical	402051	Project – II
378.	516261210	BE Mechanical	302041	Numerical & Statistical Methods
379.	516261210	BE Mechanical	302042	Heat and Mass Transfer
380.	516261210	BE Mechanical	302043	Design of Machine Elements
381.	516261210	BE Mechanical	302044	Mechatronics
382.	516261210	BE Mechanical	302045	Elective I
383.	516261210	BE Mechanical	302046	Digital Manufacturing Laboratory
384.	516261210	BE Mechanical	302047	Skill Development
385.	516261210	BE Mechanical	302049	Artificial Intelligence & Machine Learning
386.	516261210	BE Mechanical	302050	Computer Aided Engineering
387.	516261210	BE Mechanical	302051	Design of Transmission Systems
388.	516261210	BE Mechanical	302052	Elective II
389.	516261210	BE Mechanical	302053	Measurement Laboratory
390.	516261210	BE Mechanical	302054	Fluid Power & Control Laboratory
391.	516261210	BE Mechanical	302055	Internship/Mini project *
392.	516261210	BE Mechanical	207002	Engineering Mathematics – III
393.	516261210	BE Mechanical	202041	Solid Mechanics
394.	516261210	BE Mechanical	202042	Solid Modeling and Drafting
395.	516261210	BE Mechanical	202043	Engineering Thermodynamics
396.	516261210	BE Mechanical	202044	Engineering Materials and Metallurgy
397.	516261210	BE Mechanical	203156	Electrical and Electronics Engineering
398.	516261210	BE Mechanical	202045	Geometric Dimensioning and Tolerancing Lab
399.	516261210	BE Mechanical	202047	Kinematics of Machinery
400.	516261210	BE Mechanical	202048	Applied Thermodynamics
401.	516261210	BE Mechanical	202049	Fluid Mechanics
402.	516261210	BE Mechanical	202050	Manufacturing Processes
403.	516261210	BE Mechanical	202051	Machine Shop
404.	516261210	BE Mechanical	202052	Project Based Learning - II
405.	516260610	BE Production Engineering	207007	Engineering Mathematics-III
406.	516260610	BE Production Engineering	211081	Heat and Fluid Engineering
407.	516260610	BE Production Engineering	211082	Strength of Materials
408.	516260610	BE Production Engineering	211083	Manufacturing Processes-I
409.	516260610	BE Production Engineering	211084	Materials Science and Metallurgy
410.	516260610	BE Production Engineering	203050	Electrical and Electronics Engineering
411.	516260610	BE Production Engineering	211091	Theory of Machines
412.	516260610	BE Production Engineering	211092	Design of Machine Elements
413.	516260610	BE Production Engineering	211093	Advanced Materials
414.	516260610	BE Production Engineering	211094	Industrial Engineering and Management
415.	516260610	BE Production Engineering	211097	Soft Skill
416.	516260610	BE Production Engineering	211098	Programming in C Language
417.	516260610	BE Production Engineering	211099	Project Based Learning
418.	516260610	BE Production Engineering	311081	Metrology & Quality Assurance
419.	516260610	BE Production Engineering	311082	Industrial Engineering and Management
420.	516260610	BE Production Engineering	311083	Material Forming
421.	516260610	BE Production Engineering	311084	Kinematics of Manufacturing Machines
422.	516260610	BE Production Engineering	311085	Cutting Tool Engineering
423.	516260610	BE Production Engineering	311086	Production Practice

  
**PRINCIPAL**  
Amrutvahini College of Engg.  
SANGAMNER - 422 608  
Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

424.	516260610	BE Production Engineering	311091	Production Management
425.	516260610	BE Production Engineering	311092	Numerical Techniques & Optimization Methods
426.	516260610	BE Production Engineering	311093	Machine Tool Engineering
427.	516260610	BE Production Engineering	311094	Tool Design
428.	516260610	BE Production Engineering	311095	Process Planning and Tool Selection
429.	516260610	BE Production Engineering	311096	Seminar and Technical Communication
430.	516260610	BE Production Engineering	411081	Machine Tool Design
431.	516260610	BE Production Engineering	411082	Automation & Control Engineering
432.	516260610	BE Production Engineering	411083	Operations Research
433.	516260610	BE Production Engineering	411084	Elective I
434.	516260610	BE Production Engineering	411085	Elective II
435.	516260610	BE Production Engineering	411090	Project Phase-I
436.	516260610	BE Production Engineering	411091	Computer Integrated Design & Manufacturing
437.	516260610	BE Production Engineering	411092	Industrial Robotics
438.	516260610	BE Production Engineering	411093	Elective III
439.	516260610	BE Production Engineering	411094	Elective IV
440.	516260610	BE Production Engineering	411099	Project Work
441.	516210110	MBA	101	Managerial Accounting
442.	516210110	MBA	102	Organizational Behavior
443.	516210110	MBA	103	Economic analysis for business decisions
444.	516210110	MBA	104	Business research methods
445.	516210110	MBA	105	Basics of marketing
446.	516210110	MBA	106	Digital Business
447.	516210110	MBA	107	Management fundamentals
448.	516210110	MBA	109	Entrepreneurship Development
449.	516210110	MBA	111	Legal aspects of business
450.	516210110	MBA	113	Verbal Communication lab
451.	516210110	MBA	114	Enterprise analysis & desk research
452.	516210110	MBA	115	Selling & negotiating skills lab
453.	516210110	MBA	201	Marketing Management
454.	516210110	MBA	202	Financial Management
455.	516210110	MBA	203	Human Resource Management
456.	516210110	MBA	204	Operations & Supply Chain Management
457.	516210110	MBA	208	Geopolitics & World Economic Systems
458.	516210110	MBA	209	Start up & new venture management
459.	516210110	MBA	210	Qualitative research methods
460.	516210110	MBA	214	Industry Analysis- Desk Research
461.	516210110	MBA	205MK T	Marketing research
462.	516210110	MBA	206MK T	Consumer behavior
463.	516210110	MBA	217MK T	Integrated marketing communications
464.	516210110	MBA	219MK T	Personal selling lab
465.	516210110	MBA	205FIN	Financial markets & banking operations
466.	516210110	MBA	206FIN	Personal Financial Planning
467.	516210110	MBA	219FIN	Direct Taxation.
468.	516210110	MBA	224FIN	General insurance-Health & vehicle

  
**PRINCIPAL**  
 Amrutvahini College of Engg.  
 SANGAMNER - 422 608  
 Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

469.	516210110	MBA	205HR	Competency based HRM
470.	516210110	MBA	206HR	Employee relations & Labour legislation
471.	516210110	MBA	217HR	Labour welfare
472.	516210110	MBA	218HR	Lab in recruitment & selection
473.	516210110	MBA	301	Strategic Management
474.	516210110	MBA	302	Decision Science
475.	516210110	MBA	303	Summer Internship Project
476.	516210110	MBA	307	International Business Environment
477.	516210110	MBA	309	Knowledge management
478.	516210110	MBA	310	Corporate governance
479.	516210110	MBA	304MK T	Services Marketing
480.	516210110	MBA	305MK T	Sales & distribution Management
481.	516210110	MBA	313MK T	International marketing
482.	516210110	MBA	316MK T	Marketing analytics
483.	516210110	MBA	317MK T	Marketing of high tech products
484.	516210110	MBA	304FIN	Advanced financial Management
485.	516210110	MBA	305FIN	International Financial
486.	516210110	MBA	315FIN	Indirect taxation
487.	516210110	MBA	317FIN	Financial modeling
488.	516210110	MBA	318FIN	Digital banking
489.	516210110	MBA	304HR	Strategic HR Management
490.	516210110	MBA	305HR	HR operations
491.	516210110	MBA	314HR	HR perspectives in mergers & acquisition
492.	516210110	MBA	315HR	International HR
493.	516210110	MBA	319HR	Change management & New technologies in HRM
494.	516210110	MBA	401	Enterprise Performance Management
495.	516210110	MBA	402	Indian Ethos & Business Ethics
496.	516210110	MBA	405	Global Strategic Management
497.	516210110	MBA	408	Corporate Social Responsibility & Sustainability
498.	516210110	MBA	403MK T	Marketing 4.0
499.	516210110	MBA	404MK T	Marketing Strategy
500.	516210110	MBA	409MK T	Customer relationship Management
501.	516210110	MBA	410MK T	Rural & agriculture marketing
502.	516210110	MBA	403FIN	Financial Laws
503.	516210110	MBA	404FIN	Current trends & cases in finance
504.	516210110	MBA	411FIN	Risk Management
505.	516210110	MBA	412FIN	Strategic cost Management
506.	516210110	MBA	403HR	Organizational Diagnosis & Development
507.	516210110	MBA	404HR	Current trends & cases in HRM
508.	516210110	MBA	412HR	Best practices in HRM

  
**PRINCIPAL**  
Amrutvahini College of Engg.  
SANGAMNER - 422 608  
Dist.-Ahmednagar (M.S.)





## Amrutvahini College of Engineering, Sangamner

509.	516210110	MBA	413HR	Employee engagement & ownership
510.		FE Common	107001	Engineering Mathematics-I
511.		FE Common	107002/ 107009	Engineering Physics / Engineering Chemistry
512.		FE Common	102003	Systems in Mechanical Engineering
513.		FE Common	103004/ 104010	Basic Electrical Engineering / Basic Electronics Engineering
514.		FE Common	110005/ 101011	Programming and Problem Solving Engineering/Engineering Mechanics
515.		FE Common	111006	Workshop
516.		FE Common	107008	Engineering Mathematics-II
517.		FE Common	107002/ 107009	Engineering Physics/ Engineering Chemistry
518.		FE Common	103004/ 104010	Basic Electrical Engineering / Basic Electronics Engineering
519.		FE Common	110005/ 101011	Programming and Problem Solving Engineering/Engineering Mechanics
520.		FE Common	110010	Fundamentals of programming languages
521.		FE Common	110013	Project Based Learning

  
**PRINCIPAL**  
Amrutvahini College of Engg.  
SANGAMNER - 422 608  
Dist.-Ahmednagar (M.S.)

