1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years

AY 2020 -21

S.No.	Name of the Course	Course Code	Name of the Programme	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of Introduction
1	Technical English	118ENT01	First Year Common	Skill Development - This course enhances increase students' efficiency in their academic and general reading, pronunciation in real-life situations, pronunciation in real-life situations and augmenting the technical writing skills like writing letters in formal and business situations	2018-2019
2	Engineering Mathematics-I	118MAT02	First Year Common	Skill Development - This course enable basic skills on the eigen value problems and differential equations of certain types, including systems of differential equations	2018-2019
3	Engineering Physics	118PHT03	First Year Common	Skill Development - This course provides skills on the concept of properties of matter, the properties of sound and principles of quantization of energy and coherent light and its importance	2018-2019
4	Engineering Chemistry	118CYT04	First Year Common	Skill Development - The students can understand and apply the concepts in electrochemistry and Energy storage devices, the chemistry of Corrosion, concepts of thermodynamics and phase equilibrium	2018-2019
5	Engineering Graphics	118EGT05	First Year Common	Skill Development - The students will learn graphics skill for communication of concepts, ideas and design of engineering products and expose them to existing national standards related to technical drawings.	2018-2019
6	Engineering Chemistry Laboratory	118CYP07	First Year Common	Skill Development - The students can understand and apply the concepts in electrochemistry and Energy storage devices, the chemistry of Corrosion, concepts of thermodynamics and phase equilibrium	2018-2019
7	Engineering Practice Laboratory	118EPP08	First Year Common	Skill Development - This course enable the student to learn about the basics of computer and problem solving methods.	2018-2019
8	Basic Civil and Mechanical Engineering	118ESE01	First Year Common	Skill Development - This course enble students to gain the knowledge on civil works like masonry, roofing, flooring and plastering	2018-2019
9	Communicative English	218ENT01	First Year Common	Skill Development - This course facilitate students amplify suitable language skills for academic and professional purposes, vocabulary power, different functions of technical and scientific English	2018-2019
10	Engineering Mathematics-II	218MAT02	First Year Common	Skill Development - This course facilitates double and triple integration concepts and apply to study vector calculus comprising of surface and volume integrals along with the classical theorems involving them.	2018-2019

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11	Environmental Science and Engineering	218GET03	First Year Common	Skill Development - This course enable students study the nature and facts about environment	2018-2019
12	Engineering Mechanics	218EMT04	First Year Common	Skill Development - This course make the students understand the vectorial and scalar representation of forces and moments, static equilibrium of particles and rigid bodies both in two dimensions	2018-2019
13	Problem Solving and Python Programming	218PPT05	First Year Common	Skill Development - This course enable the student to learn about the basics of computer and problem solving methods.	2018-2019
14	Material Science	218BSE01	First Year Common	Employability - crystal in latice points and crystal science	2018-2019
15	Thermodynamics in Aeronautical Engineering	318AET02	AE	Employability - Study thermodynamic principles, thermodynamics of state, basic thermodynamic relations,	2019-2020
16	Solid Mechanics	318AET04	AE	Employability - Understand the shear force and bending moment diagrams.	2019-2020
17	Production Technology	318AET05	AE	Entrepreneurship- Learn the operation of Lathe, UMM, UDM, and CNC machines	2019-2020
18	Elements of Aeronautics	318AEE06	AE	Employability -Understand the basic properties and principles behind the flight	2019-2020
19	Strength of Materials Laboratory	318AEP07	AE	Entrepreneurship - Students can able to determine the material hardness	2019-2020
20	Thermodynamics Laboratory	318AEP09	AE	Skill development - Study thermodynamic principles, thermodynamics of state, basic thermodynamic relations	2019-2020
21	Aerodynamics - I	418AET02	AE	Skill development - Evaluate and understand the Generation of Lift, wing theory and boundary layer concepts.	2019-2020
22	Aircraft Systems and Instruments	418AET03	AE	Skill development - Impart knowledge of the hydraulic and pneumatic systems components and types of instruments and its operation including navigational instruments to the students	2019-2020
23	Aircraft Structures - I	418AET04	AE	Skill development - Study the basics of aircraft structural parts functioning and different types of beams and columns	2019-2020
24	Propulsion-I	418AET05	AE	Employability - Establish fundamental approach and application of jet engine components	2019-2020
25	Metal Joining Process and NDT	418AEE06	AE	Entrepreneurship - The basics of Metal joining process	2019-2020
26	Aircraft Structures Laboratory I	418AEP07	AE	Skill development- Identify statically determinate and indeterminate structures.	2019-2020
27	Aerodynamics Laboratory	418AEP08	AE	Entrepreneurship - Understand the visualization in water flow channel	2019-2020
28	Production Technology Laboratory	418AEP09	AE	Skill development - Students can able to assemble the designs on workbench	2019-2020

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29	Aircraft structures II	518AET01	AE	Employability - Evaluate and understand the Generation of Lift, wing theory and boundary layer concepts.	2020-2021
30	Aircraft Performance	518AET02	AE	Entrepreneurship - Impart knowledge of the hydraulic and pneumatic systems components and types of instruments and its operation including navigational instruments to the students	2020-2021
31	Aerodynamics II	518AET03	AE	Skill development - Study the basics of aircraft structural parts functioning and different types of beams and columns	2020-2021
32	Propulsion II	518AET04	AE	Skill development- Establish fundamental approach and application of jet engine components	2020-2021
33	Aircraft rules and regulation	518AEE05	AE	Skill development - The basics of Metal joining process	2020-2021
34	Aircraft control engineering	518AEE10	AE	Skill development - Identify statically determinate and indeterminate structures.	2020-2021
35	Aircraft Structures Laboratory II	518AEP07	AE	Employability - Understand the visualization in water flow channel	2020-2021
36	Propulsion Laboratory	518AEP08	AE	Employability - Understand the milling and its experiments	2020-2021
37	Aircraft structures Repair laboratory	518AEP09	AE	Skill development - Use of sandwich panels for Aircraft industry	2020-2021
38	Composite Materials and Structures	618AET01	AE	Skill development - Know the various composite materials and structures used in aircraft Applications and their test methods.	2020-2021
39	Experimental Stress Analysis	618AET03	AE	Employability - Knowledge about measuring instruments, factors affecting measurements, errors and corrective measurements.	2020-2021
40	Applied Hydraulics and Pneumatics	618MEO01	AE	Skill development - Familiar with applications, advantages of the fluid power engineering and transmission systems.	2020-2021
41	Wind Tunnel Techniques	618AEE07	AE	Skill development - Study the principles of model testing	2020-2021
42	Aircraft Design Laboratory	618AEP07	AE	Employability - Compare different configuration of airplanes on Specifications and performance details of aircraft.	2020-2021
43	Materials Testing Laboratory	618AEP08	AE	Entrepreneurship - Knowledge about the basic principles of strength of materials to the undergraduate students through a series of experiments.	2020-2021
44	Aero Engine Repair laboratory	618AEP09	AE	Entrepreneurship - Understand the basic concept of piston engine components.	2020-2021
45	Fracture Mechanics and Mechanisms	715AET01	AE	Skill development - Obtain the knowledge about mechanical behavior of a material under various loading conditions.	2018-2019
46	Avionics	715AET02	AE	Skill development - Understand the needs of avionics for both Civil and Military Aircraft.	2018-2019
47	Airline and Airport Management	715AET03	AE	Skill development - Gain the knowledge about Airline, Airport management principles and their functions.	2018-2019

Dr.M.G.R.Nagar,Hosur –635130,Krishnagiri(Dt),Tamilnadu,India. Phone:Office:04344– 260570,261001-3,261034. Fax:04344–260573
Website:www.adhiyamaan.ac.in   E-mail:principal@adhiyamaan.ac.in.

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48	Vibrations and Aero elasticity	715AET04	AE	Skill development - Understand the simple harmonic motion and terminologies involved in D' Alembert's principle of motion.	2018-2019
49	High Temperature Materials	715AEE07	AE	Employability - Acquaint the student with the fundamentals of creep.	2018-2019
50	Avionics and Aircraft Systems Lab	715AEP07	AE	Employability - Design and implementation of data buses in avionics with MIL – Std. 1553B and remote terminal configuration and their importance in different applications in the field of Avionics.	2018-2019
51	Design and Fabrication of Aeromodelling (Mini Project)	715AEP08	AE	Employability - Conduct experiments by considering the constraints such as economics, environment, health and safety.	2018-2019
52	Industrial internship	715AEP12	AE	Entrepreneurship - Establishes desirable work habits, attitudes, and communication skills while developing a sense of responsibility	2018-2019
53	Rocket and missile	815AEE01	AE	Employability - Understand the Fundamentals and uses of solid, liquid and hybrid propellants in rocket systems.	2018-2019
54	Computer Integrated Manufacturing	815AEE07	AE	Entrepreneurship- Learn the overall configuration and elements of computer integrated manufacturing	2018-2019
55	Operational Research	815AEE11	AE	Skill development-The industrial management and techniques of decision making, customer involvement, work-study, incentive schemes.	2018-2019
56	Architectural Drawing I	118ART03	ARCH	Employability/ Skill Development - Gain knowledge on the building representation in 2D and 3D forms in addition it helps to understand drawing as a medium to visualize and communicate design ideas and preparation of measured drawing.	2018-2019
57	Materials and Construction I	118ART04	ARCH	Employability/ Skill Development - Equip students with naturally occurring building materials that will look at the design and detail of various building components in a simple load bearing structure and with time it focus on latest trends in practice and usage of new technology/materials.	2018-2019
58	Art Studio	118ARP05	ARCH	Employability/ Skill Development - Enhance the Info graphical presentation skills, visual expression and representation, imaginative thinking and creativity through a hands-on working various medium and materials.	2018-2019
59	Basic Design	118ARP06	ARCH	Skill Development - Design as a process and as a final product and to understand about space, form and order as basic architectural skills.	2018-2019
60	Art appreciation	118ARE02	ARCH	Employability/ Skill Development - Enabling students to understand visual awareness, creativity and cultural understanding of Design as a Multidimensional creative Art.	2018-2019
61	Mechanics of Structures - I	218ART01	ARCH	Skill Development - Familiarize with the different types of stresses and strains in order to analyze the structural stability.	2018-2019
62	Architectural Drawing - II	218ART04	ARCH	Employability/ Skill Development - Enhance the skills of representation in drawings techniques and develop the graphical language of architecture.	2018-2019

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63	Materials and Construction - II	218ART05	ARCH	Employability/ Skill Development - Focus on various building materials and construction techniques based on the performing standards and codes with the application of each material in both historical and modern context.	2018-2019
64	Architectural Design Studio - I	218ARP06	ARCH	Employability/ Entrepreneurship/ Skill Development - Involve students in a design project with simple space planning and the understanding of the functional aspects of it which respond as both tangible factors such as geography and intangible factors such as culture.	2018-2019
65	Clay Modeling	218ARE01	ARCH	Employability/ Entrepreneurship/ Skill Development - Gain Knowledge on the physical and anatomical elements of 3D forms and capability to express the concepts three dimensionally.	2018-2019
66	Model Making	218ARE03	ARCH	Employability/ Entrepreneurship/ Skill Development - Equip students with the basic skills necessary to represent their ideas with various tools essential for making architectural models.	2018-2019
67	Mechanics of Structures – II	318ART01	ARCH	Skill Development - Familiarize the student with the effects of transverse forces in beams and implement the knowledge in design projects.	2019-2020
68	Climate Responsive Architecture	318ART03	ARCH	Employability - Equip the students with scientific background required to design climate responsive buildings, and its climate responsive considerations in architectural design of building and built-up areas.	2019-2020
69	Materials and Construction – III	318ART04	ARCH	Employability/ Skill Development - Gain knowledge on the application of concrete in different buildings and construction industry to support the design from foundation to structural details.	2019-2020
70	Computer Aided Design Studio	318ARP06	ARCH	Employability/ Entrepreneurship/ Skill Development - Enable students to develop their design with the help of computation and presentation software to get the output of 2D and 3D model construction.	2019-2020
71	Architectural Design - II	318ARP07	ARCH	Employability/ Entrepreneurship/ Skill Development - Students will have a holistic understanding of the built environment as a complex entity shaped by social, economic and geographical factors and design a small-scale project different user.	2019-2020
72	Vernacular Architecture of India	318ARE03	ARCH	Skill Development - Development of significant contribution of vernacular architecture of place in fabric of that city or region.	2019-2020
73	Theory of Design	318ARE04	ARCH	Skill Development - Equip the students with the knowledge in the effective design process and address the architectural design in the contemporary times to foresee in the future and to prepare innovative methodologies.	2019-2020
74	Analysis & Design of Structures – I	418ART01	ARCH	Employability - Strengthen knowledge about structural forces in buildings and forces acting on vertical structural members and implement in design projects.	2019-2020
75	Environmental Science and	418ART02	ARCH	Employability - Focus on the ecosystem, prevention & protection act and	2019-2020

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	Services			understand about the water treatment, collection & distribution and sewage disposals to implement in the community design projects.	
76	Site Planning & Analysis	418ART03	ARCH	Employability/ Skill Development - Equip students with the landform analysis through map and field observation, need and role of Surveying and Levelling related to Architecture, and provide insight in preparing a site analysis & site features in planning roads and parking.	2019-2020
77	Materials and Construction – IV	418ART04	ARCH	Employability/ Skill Development - Focus on ferrous & non-ferrous metals, its application in different building components in current trends.	2019-2020
78	Architectural Design - III	418ARP05	ARCH	Employability/ Entrepreneurship/ Skill Development - Thrust will be on rural materials, construction techniques and design details and understand the physical, technical and visual characteristics of a settlements at micro level.	2019-2020
79	Energy Efficient Architecture	418ARE01	ARCH	Employability - Sensitize the students to space-specific contextual factors in designing a sustainable built environment and the need to use alternative sources of energy in view of the depleting resources and climate change.	2019-2020
80	Ergonomics in Building Design	418ARE03	ARCH	Skill Development - Expose the students to the requirements of designing for the human comfort in accordance with anthropometry and will have knowledge of ergonomics and its applications in design including designing for the physically challenged and the elderly.	2019-2020
81	Analysis and Design of Structures - II	518ART01	ARCH	Employability - Acquainted with the knowledge of design of slabs and the concepts of large span structures and implement the design of folded plate, sheels for large span structures.	2020-2021
82	Materials and Construction - V	518ART03	ARCH	Employability/ Skill Development - Emphasis is given on importance of water and damp proofing in building construction and incorporate its application depending on the context like residential, theater, swimming pool.	2020-2021
83	Building Services I (Electrical and Acoustic)	518ART04	ARCH	Employability - Expose students to design basic room acoustics and lighting measurements and provide optimum lighting, ventilation and acoustical solutions through simulations and design models.	2020-2021
84	Architectural Design - IV	518ARP05	ARCH	Employability/ Entrepreneurship/ Skill Development -Sensitize students to the specific requirements of design interventions in areas having significant built heritage characteristics, taking into social, cultural needs of contemporary urban life.	2020-2021
85	Structure and Architecture	518ARE01	ARCH	Employability - Familiarize the students with the concept of structural design through various architect works and integrate the contemporary structural design in the form making process of architectural design.	2020-2021
86	Safety systems and building	518ARE03	ARCH	Employability - Impart knowledge on safety requirements of high rise	2020-2021

				buildings, fire alarm systems, integrated building management system in multi storied building designs.	
	management			buildings, fire alarm systems, integrated building management system in multi storied building designs.	
87	Specification Estimation & Budgeting	618ART01	ARCH	Employability/ Entrepreneurship/ Skill Development -Intended to impart students with the necessary technical knowledge for preparation of Specifications and calculating estimates and detailed costing for small to medium scale projects and able evaluate the cost and prepare a detailed rate analysis for buildings.	2020-2021
88	Interior Design Principles	618ART02	ARCH	Employability/ Skill Development - Gain knowledge on Interior Design principles and their applications in interiors, and to foster creative ability and inculcate skills to understand and conceive architectural design.	2020-2021
89	Building Services – II (Mechanical & HVAC)	618ART03	ARCH	Employability - Gain knowledge on the service components of the building like HVAC, Electrical, Plumbing and Acoustics. and explore the current trend in materials and construction technologies. and integrate its applications in building.	2020-2021
90	Materials and Construction - VI	618ART04	ARCH	Employability/ Skill Development - Gain knowledge on innovative construction techniques adopted for floor, walls, roofs and various vertical movement for high rise building designs.	2020-2021
91	Architectural Design - V	618ARP05	ARCH	Employability/ Entrepreneurship/ Skill Development - Expose the students to the challenges of designing functionally complicated buildings, having a complex array of activities and specialised building service and integration of structural design.	2020-2021
92	Product Design	618ARE02	ARCH	Employability/ Entrepreneurship/ Skill Development - To inculcate design centric approach satisfying the user needs, prototype fabrication.	2020-2021
93	BIM	618ARE03	ARCH	Employability/ Entrepreneurship/ Skill Development - Empowering students to use computers as 2D drafting and 3D modelling tool and to familiarize realistic rendering and architectural presentation techniques using computers.	2020-2021
94	Landscape Architecture and Design	715ART01	ARCH	Employability/ Skill Development -Enlighten the students about the components of landscape features and the construction of the same and gain knowledge of the various features of innovative and modern landscape design application of innovative detailing and appropriate technologies to further better landscape planning.	2018-2019
95	Human Settlement & Planning	715ART02	ARCH	Employability - Gain Knowledge on patterns of human settlements and their relevance to architecture through which the betterment of human living and welfare is achieved	2018-2019
96	Specification & Estimation	715ART03	ARCH	Employability/ Entrepreneurship/ Skill Development - Adequate knowledge in the making the purpose of estimation and train them in tender	2018-2019

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				preparations, students skill in the calculation of the quantities of various materials used in the construction of building and to develop comprehensive knowledge of valuation of various buildings.	
97	Working drawing and detailing	715ARP04	ARCH	Employability/ Entrepreneurship/ Skill Development - Gain knowledge about the need and relevance of Working Drawing sets and municipal drawings and their comparison to presentation drawing and their role in construction field.	2018-2019
98	Design Studio - VII	715ARP05	ARCH	Employability/ Entrepreneurship/ Skill Development - Enhance the role of architects in creating a sustainable urban environment with the design of large complex.	2018-2019
99	Construction Management	715CEO02	ARCH	Employability/ Entrepreneurship - Students able to research, analyze, evaluate and discuss a wide range of construction technologies and management strategies.	2018-2019
100	Contemporary Process in Architecture	715ARE03	ARCH	Employability/ Skill Development - Expose the students to the new processes in the development of concept and design in relation with the computation.	2018-2019
101	Affordable Housing	715ARE04	ARCH	Employability - In-depth knowledge of various building materials, specifications and construction detailing techniques of affordable buildings satisfy the need and demand of housing in today context.	2018-2019
102	Internship Program	815ARP01	ARCH	Employability/ Entrepreneurship/ Skill Development - Provide adequate knowledge on the practice of architecture profession and to learn the administration, managerial and professional skills, and demonstrate the same in the future architectural design study.	2018-2019
103	Urban Design	915ART01	ARCH	Employability - Expose the students the role of urban designer and gain knowledge of the urban spaces, designing of public areas.	2019-2020
104	Professional Practice & Ethics	915ART02	ARCH	Employability - Introduce aspects of professional conduct, duties and responsibilities and legal rights and procedures of the architectural profession.	2019-2020
105	Dissertation	915ARP03	ARCH	Skill Development - Introductory guide for students to conduct research on any aspect of the built environment.	2019-2020
106	Design Studio - VIII	915ARP04	ARCH	Employability/ Entrepreneurship/ Skill Development - Understand the values and ethics of conservation and expose students to conservation process and methodology and need for them in Indian context.	2019-2020
107	Architectural Conservation	915ARE01	ARCH	Employability/ Skill Development - Understand the values and ethics of conservation and expose students to conservation process and methodology and need for them in Indian context.	2019-2020
108	Urban and Regional	915ARE05	ARCH	Employability - Planning and managing infrastructure with different	2019-2020

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	Planning			schemes and understand the concepts of planning at regional level, city level.	
109	Construction Planning and Management	915ARE06	ARCH	Employability/ Entrepreneurship/ Skill Development - Provide an insight into management of buildings/construction projects involving management financial, machines and human resources.	2019-2020
110	Thesis	1015ARP01	ARCH	Employability/ Entrepreneurship/ Skill Development - Reflect the culmination of the development of the student's architectural skills and design attitude.	2019-2020
111	Biochemistry	318BTT02	BT	Skill Development - This course provides students to get skill in various metabolic pathways and its regulation	2019-2020
112	Cell Biology	318BTT03	BT	Skill Development - This course enables students' skill in cellular signaling mechanisms, cellular regulations and cell culture techniques	2019-2020
113	Microbiology	318BTT04	BT	Skill Development- This course provides skills in microbial classification, identification and control	2019-2020
114	Instrumental Methods of Analysis	318BTT05	BT	Skill Development - This course provides basic skills on biological instrumentation	2019-2020
115	Basic Industrial Biotechnology	318BTT06	BT	Skill Development - This course provides skills on production of biologically important products such as antibiotics, vitamins, alcohol, etc.,	2019-2020
116	Biochemistry Lab	318BTP07	BT	Skill Development - This course provides basic skills on qualitative and quantitative identification of biomolecules	2019-2020
117	Cell Biology Lab	318BTP08	BT	Skill Development - This course provides basic skills on identification of cellular mechanisms	2019-2020
118	Microbiology Lab	318BTP09	BT	Skill Development - This course enables skills on microbial culture techniques and identification of microorganisms	2019-2020
119	Probability And Statistics	418PBT01	BT	Skill Development - This course enables skills on design of experiments and research methodologies	2019-2020
120	Molecular Biology	418BTT02	BT	Skill Development - This course provides skills on genomic and plasmid DNA and RNA isolation, PCR based techniques and cloning and expression of vectors	2019-2020
121	Stoichiometric And Process Calculations	418BTT03	BT	Skill Development - This course provides skills on stoichiometric calculations for various industrial operations	2019-2020
122	Fundementals of Unit Operations	418BTT04	BT	Skill Development - This course provides skills on bioreactor and heat transfer operations	2019-2020
123	Enzyme Technology	418BTT05	BT	Skill Development - This course provides skills on industrially important enzyme production and activity determination	2019-2020
124	Environmental	418BTT06	BT	Skill Development - This course provides skills on environmental studies,	2019-2020

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	Biotechnology			bioremediation and waste management	
125	Molecular Biology Lab	418BTP07	BT	Skill Development - This course provide skills on genomic and plasmid DNA and RNA isolation, PCR based techniques and cloning and expression of vectors	2019-2020
126	Instrumental Methods of Analysis Lab	418BTP08	BT	Skill Development - This course provides basic skills on biological instrumentation	2019-2020
127	Enzyme Technology Lab	418BTP09	BT	Skill Development - This course provide skills on industrially important enzyme production and activity determination	2019-2020
128	Bioinformatics	518BTT01	BT	Skill Development - The course provides the students with the skill of basics of database in biological system, sequence alignment, phylgogeny and CADD	2020-2021
129	Genetic Engineering	518BTT02	BT	Skill Development - This course provide skills on genomic and plasmid DNA and RNA isolation, PCR based techniques and cloning and expression of vectors	2020-2021
130	Bioprocess Engineering I	518BTT03	BT	Skill Development - The course offers the students with the skill set of handling equipment related to heat transfer. In addition, the course provides the students with an deeper insight into the diffusion, distillation, adsorption, extraction and leaching which is most important skills as a chemical process engineer	2020-2021
131	Fundamentals of Mass Transfer	518BTT04	BT	Skill Development - The course offers the students with the skill set of handling equipment related to heat transfer. In addition, the course provides the students with an deeper insight into the diffusion, distillation, adsorption, extraction and leaching which is most important skills as a chemical process engineer	2020-2021
132	Chemical Thermodynamics & Biothermodynamics	518BTT05	BT	Skill Development - The course offers the students with the skill set of handling equipment related to heat transfer. The course offers a insight into the basic skill sets like understanding the thermodynamics of the reaction, thermodynamics related to the microbial growth and the product formation	2020-2021
133	Genetic Engineering Lab	518BTP07	BT	Skill Development - The course provides the students with the skill set of generating a recombinant DNA, cloning and expression of vectors, genome mapping and sequencing and PCR based skills	2020-2021
134	Bioprocess Engineering Lab I	518BTP08	BT	Skill Development - The course offers a clear insight into the basic skills required for a Bioprocess Engineers. The course offers the students with the skill set of handling equipment related to chemical process engineer	2020-2021
135	Chemical Engineering Laboratory For Biotechnologists	518BTP09	BT	Skill Development - The course offers the students with the skill set of handling equipment related to heat transfer. In addition, the course provides the students with an deeper insight into the diffusion, distillation, adsorption,	2020-2021

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				extraction and leaching which is most important skills as a chemical process engineer	
136	Protein Engineering	618BTT01	BT	Skill Development - The course provides insight into the basic skills like understanding the protein structures	2020-2021
137	Chemical Reaction Engineering	618BTT02	BT	Skill Development - The course offers skills like design and analysis of ideal and non -ideal reactors, also provides insight into the skills like Bioreactor assembly and manufacturing	2020-2021
138	Bioprocess Engineering II	618BTT03	BT	Skill Development - The course focusses on the preparation, sterilization of media, design and optimization of media. Understand the basic of the different kinds of the fermenter and the kinetics of product formation	2020-2021
139	Health & Pharmaceutical Biotechnology	618BTT04	BT	Employability - The Course provides skills like design, manufacturing of drugs. The course also provides insight into the standard protocols to be followed in a drug manufacturing facility	2020-2021
140	Immunology	618BTT05	BT	Skill Development - The course provides the students with the skillset of raising antigen and antibodies against the various disease, and the detection procedure.	2020-2021
141	Bioprocess Engineering Lab II	618BTP07	BT	Skill Development - The course focusses on the preparation, sterilization of media, design and optimization of media. Understand the basic of the different kinds of the fermenter and the kinetics of product formation	2020-2021
142	Health & Pharmaceutical Biotechnology Lab	618BTP08	BT	Employability - The Course provides skills like design, manufacturing of drugs. The course also provides insight into the standard protocols to be followed in a drug manufacturing facility	2020-2021
143	Immunology Lab	618BTP09	BT	Skill Development - The course provides the students with the skillset of raising antigen and antibodies against the various disease, and the detection procedure.	2020-2021
144	Animal Biotechnology	715BTT01	BT	Skill Development - The course provides the students with the skill of animal disease, treatment, micromanipulation and transgenic animal technology	2018-2019
145	Downstream Processing	715BTT02	BT	Skill Development - The course provides the students with the skill of choice of different downstream processing like filtration, chromatography, and other size-based methods	2018-2019
146	Cancer Biology	715BTT03	BT	Skill development - This course enables students skill in cellular signaling mechanisms, cancer cell proliferation and regulations and control mechanisms	2018-2019
147	Disaster Management	715BTT04	BT	Skill Development - Aseismic design is mandatory as per IS recommendations. This course develops the skill set required for aseismic design of structures	2018-2019

Dr.M.G.R.Nagar,Hosur –635130,Krishnagiri(Dt),Tamilnadu,India. Phone:Office:04344– 260570,261001-3,261034. Fax:04344–260573
Website:www.adhiyamaan.ac.in   E-mail:principal@adhiyamaan.ac.in.

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148	Downstream Processing Lab	715BTP07	BT	Skill Development - The course provides the students with the skill of choice of different downstream processing like filteration, chromatography, and othe size-based methods	2018-2019
149	Clinical Research And Database Management	715BTE01	BT	Employability - The Course provides skills like design, manufacturing of drugs. The course also provides insight into the standard protocols to be followed in a drug manufacturing facility	2018-2019
150	Genomics And Proteomics	715BTE10	BT	Skill Development - The course provides the students with the skill of genome and proteome analysis	2018-2019
151	Bioethics, IPR And Entrepreneurship	815BTT01	BT	Entrepreneurship - The course provides entrepreneurship-based skills like managing a firm, small business and to startups. The course provides the student in promoting the Entrepreneurship with the basics of IPR generation and filing, biobusiness management and group presentation among the peers	2018-2019
152	Molecular Pathogenesis	815BTE03	BT	Employability - Offers the student with therapeutics of diseases	2018-2019
153	Medical Coding	815BTE09	BT	Employability - The course provides the students with the skill of basics of medical codes and transcripts	2018-2019
154	Project Work	815BTP05	BT	Employability - The Project work provides the student with the skill set of managing project, planning and execution. In addition they provides the skill like report preparation, and presentation	2018-2019
155	Industrial Training	815BTP06	BT	Employability - The Project work provides the student with the skill set of managing project, planning and execution. In addition they provides the skill like report preparation, and presentation	2018-2019
156	Basic Civil and Mechanical Engineering	118ESE01	BME	Skill Development- Students can gain the knowledge on civil works like masonry, roofing, flooring and plastering.	2018-2019
157	Electric Circuits and Electron Devices	218EDT05	BME	Skill Development-Students can able to learn the basics in electric circuits and electron devices	2018-2019
158	Circuits and Devices Laboratory	218CDP09	BME	Skill Development-Students can able to design the basic electric circuits and study the characteristics of various semiconductor devices	2018-2019
159	Electrical Machines	318BMT02	BME	Skill Development-This course will help the students to understand the performance of AC and DC machines and transformers	2019-2020
160	Human Anatomy and Physiology	318BMT03	BME	Employability-Give knowledge about the different systems of the human body	2019-2020
161	Sensors and Measurements	318BMT04	BME	Skill Development-Get the knowledge about different types of sensors and measurement techniques	2019-2020
162	Medical Physics	318BMT05	BME	Skill Development-Gain the knowledge on light in medical applications and radiation effects on human body	2019-2020
163	Human Anatomy and	318BMP07	BME	Employability-This subject will help the students to understand how the	2019-2020

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	Physiology Laboratory			basic tests conducted in the clinical laboratory and provides opportunity to work in hospitals	
164	Sensors and Measurements Laboratory	318BMP08	BME	Skill Development-Students will learn the characteristics of sensors	2019-2020
165	Fundamentals of Data Structures in C Laboratory	318BMP09	BME	Skill Development-This subject will help the students to understand how to write a C Programming.	2019-2020
166	Analog Integrated Circuits	418BMT02	BME	Skill Development- Learn the basic concepts of feedback amplifiers and current and voltage sources	2019-2020
167	Digital Logic Design	418BMT03	BME	Skill Development-Students can able to design sequential logic circuits.	2019-2020
168	Pathology and Microbiology	418BMT04	BME	Employability-This course will help the students to understand various diseases in humans caused by pathogens and microbes	2019-2020
169	Biochemistry	418BMT05	BME	Employability-Gain knowledge on biomolecules and its chemical reactions in the human body.	2019-2020
170	Signals, Systems and Analysis	418BMT06	BME	Skill Development-This course will help the students to understand the types of signals and systems and how to analyze the signals.	2019-2020
171	Integrated Circuits Laboratory	418BMP07	BME	Skill Development-This course will help the learn how to design filter circuits, oscillators and wave form generators using op amp.	2019-2020
172	Pathology and Microbiology Laboratory	418BMP08	BME	Employability-Students can able to estimate hematological parameters	2019-2020
173	Biochemistry Laboratory	418BMP09	BME	Employability-Students can get practical knowledge on analysis of carbohydrates, lipids and proteins qualitatively and quantitatively	2019-2020
174	Digital Signal Processing and Biomedical Applications	518BMT02	BME	Skill Development-Provide knowledge on basic concepts of digital signal processor and design of various digital filters	2020-2021
175	Microprocessor and Microcontroller System Design	518BMT03	BME	Skill Development-This course enables students to understand the architecture and assembly language programming of microprocessors and microcontrollers	2020-2021
176	Bio Control Systems	518BMT04	BME	Skill Development-Students can able to get knowledge on control system concept and different mathematical techniques applied in analyzing any given system	2020-2021
177	Analog and Digital Communication	518BMT05	BME	Skill Development-Provides the knowledge different modulation and demodulation techniques used in signal communication	2020-2021
178	Virtual Instrumentation	518EIO01	BME	Skill Development-This course enables students to understand various programming techniques in virtual instrumentation	2020-2021
179	Biomedical Instrumentation Lab	518BMP07	BME	Employability-Provides practical knowledge to handle biomedical equipment's used for in medical applications and helps to get job in healthcare sector	2020-2021

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180	Microprocessor and Microcontroller Lab	518BMP08	BME	Skill Development-Students can develop the code in assembly language programming.	2020-2021
181	Digital Signal Processing Lab	518BMP09	BME	Skill Development-Students can design and analyse various filter techniques using MATLAB.	2020-2021
182	Diagnostic Equipment	618BMT01	BME	Employability-Helps to understand the diagnosis of various diseases using diagnostic equipment	2020-2021
183	Therapeutic Equipment	618BMT02	BME	Employability-This course will help the students to understand different equipments used to treat the diseases of the patients.	2020-2021
184	Radiological Equipment	618BMT03	BME	Employability-Provides knowledge on how the radiations are used for diagnosis and treatment of diseases using radiological equipment	2020-2021
185	Biomaterials & Artificial Organs	618BMT04	BME	Employability-Student can learn the different biomaterials used in the body for the implantable devices.	2020-2021
186	Medical Safety & Quality Assurance	618BME05	BME	Employability-Enable students to understand medical safety standards used for the medical equipment	2020-2021
187	Computer Networks	618BMO01	BME	Skill Development-This course will help the students to understand the different layers of the OSI Model and Protocols used in the different layers for sending the information from one place to another.	2020-2021
188	Diagnostic and Therapeutic Equipment Lab	618BMP07	BME	Employability-This course will help the students to handle different diagnostic and therapeutic equipment used for diagnosis and therapy	2020-2021
189	Hospital Training	618BMP09	BME	Entrepreneurship-Students can get training of various equipment in hospital and get opportunity to work in hospitals and industries	2020-2021
190	Medical Optics	715BMT01	BME	Skill Development-This course will help the students to understand the optical principles used in different medical applications	2018-2019
191	Digital Image Processing	715BMT02	BME	Skill Development-This course will help the students to understand the various image processing techniques.	2018-2019
192	Biomechanics	715BMT03	BME	Employability-Student can able to apply principles of mechanics that is used to analyse human movement	2018-2019
193	Pattern Recognition & Neural Networks	715BMT04	BME	Skill Development-This course will help the students to understand the different algorithms used in the pattern recognition and neural networks.	2018-2019
194	Medical Informatics	715BMT05	BME	Skill Development-Students can able to analyse the role of informatics in engineering and medicine	2018-2019
195	Rehabilitation Engineering	715BME06	BME	Employability-Students can get knowledge about rehabilitation and orthotic devices in Rehabilitation Engineering	2018-2019
196	Digital Image Processing Lab	715BMP07	BME	Skill Development-Provides practical knowledge on the medical image processing using MATLAB	2018-2019
197	Hospital Training Lab	715BMP08	BME	Entrepreneurship-Students can get training of various equipment in hospital	2018-2019

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				and get opportunity to work in hospitals and industries	
198	Hospital Engineering &Management	815BMT01	BME	Entrepreneurship-Enables students to understand fundamentals of hospital administration and management	2018-2019
199	Assist Devices	815BME04	BME	Employability-This course focuses on orthotic and prosthetic medical devices	2018-2019
200	Advanced Medical Instrumentation	815BME07	BME	Employability-This course will help the students to understand the various biomedical equipment used in the hospital.	2018-2019
201	Chemistry for Technologists	218BSE03	CH	Skill development- Suggest the applications of gas laws in real life situations, characteristics and properties of solutions	2018-2019
202	Problem Solving and Python Programming Laboratory	218PPP08	CH	Skill development- Implement Python programs with conditionals and loops, debug and develop Python programs step-wise by defining functions and calling	2018-2019
203	Organic Chemistry	318CHT02	CH	Skill development- Concepts related to the reaction mechanisms, rearrangements and synthesis of new compounds will develop their skills	2019-2020
204	Chemical Process Calculations	318CHT03	CH	Skill development/Employability-The knowledge of material and energy balance calculations on different Unit operations and Unit process will enhance their employability and skills	2019-2020
205	Instrumentation Methods And Analysis	318CHT04	CH	Employability- Understand the principles of various spectroscopic , chrmoatographic, and electro anlaysis techniques and analyse the quality of chemical products.	2019-2020
206	Materials Technology	318CHE04	CH	Skill development-Able to design the support column, beams, pipelines, storage tanks and reaction columns and also solve the problems related to beams, shafts and columns.	2019-2020
207	Organic Chemistry Laboratory	318CHP07	CH	Employability- Anlayse the nature of organic compound, characteristics of various functional groups	2019-2020
208	Technical Analysis Laboratory	318CHP08	CH	Employability-Analyse the properties of various chemical products will enhance the employability in quality analysis.	2019-2020
209	Chemical Process Industries	418CHT03	CH	Skill development- Concepts on various aspects of process industries and understands the methods of production of different chemicals, plant and equipment design	2019-2020
210	Chemical Engineering Fluid Mechanics	418CHT04	CH	Skill development-Knowledge on types of fluid flow and also on the discharge measurement by using different equipment at different conditions, Fluid properties, their characteristics while static and during flow through ducts, pipes and porous medium, types of forces, losses and several machineries to transport the fluid and their performance.	2019-2020
211	Mechanical Operations	418CHT05	CH	Skill development-Decide the usage of equipment for industrial application with respect to size reduction, equipment to screen ,different blends and	2019-2020

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				mixing techniques ,various filtration equipment's and thickeners	
212	Renewable Energy Technologies	418CHE03	CH	Entrepreneurship-Recognize the renewable energy sources with their situation and exploration ,energy conversion systems in wind and geothermal energy, solar and ocean energy harnessing, biomass and biogas conversion and its application, Fuel and MHD in industries	2019-2020
213	Fluid Mechanics Laboratory	418CHP07	CH	Skill development- Estimate the coefficient of discharge for flow through open and closed channels, show relationship between Reynolds number and friction factor, fluid flow in circular pipes, orifice and venture meters, coefficient of rectangular and triangular notches, characteristic studies of submersible and centrifugal pump	2019-2020
214	Physical Chemistry Laboratory	418CHP08	CH	Skill development-Understand the principles, properties and characteristics of solvents and mixtures, molecular weight of solute using different methods	2019-2020
215	Mechanical Operations Laboratory	418CHP09	CH	Skill development-Able to determine work index, average particle size through experiments by crushers, ball mill, rod mill and conducting size analysis by various size sieves, design size separation equipment's such as cyclone separator, pressure and vacuum filters, determine thickener area	2019-2020
216	Chemical Engineering Thermodynamics	518CHT02	CH	Skill development- Able to learn terminology associated with engineering thermodynamics, design and analyze of the open and closed system in chemical process plants, Predict the changes in the properties of real fluids ,vapor-liquid or liquid-liquid equilibria of ideal and non-ideal chemical mixtures, equilibrium constants, standard enthalpy, Gibbs free energy and equilibrium compositions for single and multiple reaction systems	2020-2021
217	Heat Transfer	518CHT03	CH	Skill development-Concepts of different modes of heat transfer ,heat transfer with and without change of phase ,decide the type of evaporator required for a specific purpose, concepts of heat exchangers	2020-2021
218	Mass Transfer-I	518CHT04	CH	Skill development- Able to apply the concepts of inter phase mass transfer in gas- liquid, liquid-liquid and solid – liquid mass transfer operations, design Cooling towers, dryers and crystallizers	2020-2021
219	Oil and Natural Gas Engineering	518CHE04	CH	Skill development-Able to learn properties and composition of cure oil and production of natural gas, properties processing of natural gas, environmental aspects of gas processing	2020-2021
220	Health and Pharmaceutical Technology	518BTO01	CH	Skill development- Design the formulations of various dosage forms, pharmacokinetics and metabolisms of drugs	2020-2021
221	Heat Transfer Laboratory	518CHP07	CH	Skill development-Concepts of different modes of heat transfer ,heat transfer with and without change of phase ,decide the type of evaporator required for a specific purpose, concepts of heat exchangers	2020-2021
222	Chemical Engineering	518CHP08	CH	Skill development-Equipped with the software applications and the	2020-2021

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	Computation Laboratory			numerical solutions of chemical engineering problems, optimize the various factors using the computational techniques	
223	Employability skills Laboratory	518CHP09	CH	Skill development-Articulate their views clearly and concisely with self-confidence and persuasiveness, prevailing practices of testing in the recruitment process by the corporates and the institutional selection processes, communicate the corporate and social requirements in an impressive written mode	2020-2021
224	Mass Transfer – II	618CHT01	CH	Skill development-Concepts mass transfer and separation principles in several unit operations like absorption, distillation, number of theoretical stages in a stage-wise mass transfer processes, separation principles in several unit operations like liquid-liquid extraction, leaching and adsorption	2020-2021
225	Chemical Reaction Engineering-I	618CHT02	CH	Skill development-Apply the basic principles of reaction kinetics, reactor design and non ideality in reactors in process industries ,choose a suitable single or multiple reactor system, design a reactor ,non ideal flow reactors, concept of heterogeneous reactions	2020-2021
226	Process Dynamics and Control	618CHT03	CH	Skill development-Able to design of process control systems, suggest the suitable advanced controllers for different chemical process	2020-2021
227	Chemical Process Plant Safety	618CHT04	CH	Skill development-Able to perform hazard analysis,identify various accidents ,provide proper remedial measures,understand the safe working environment	2020-2021
228	Industrial Management	618CHE02	CH	Entrepreneurship-Able to understand the function of leadership and organizing culture, importance of quality control in process and planning operations,necessity of planning process and objectives, decision making processes ,nature and purpose of organization and importance of staffing selection recruitment	2020-2021
229	Food Science and Technology	615CHE06	CH	Skill development-skills related to heat preservation, cold preservation with processing and various methods followed in food processing industries,production and utilization of food products	2020-2021
230	Process Control Lab	618CHP07	CH	Skill development-Able to evaluate of its performance using MATLAB Simu-link software in dynamic study of processes, and design of controllers	2020-2021
231	Mass Transfer Laboratory	618CHP08	CH	Skill development-Able to determine the diffusivity, mass transfer rate, drying rate, efficiency in leaching / extraction and mass transfer coefficient of a given system using fundamental principles,choose a mass transfer operation for separation of a mixture into pure components	2020-2021
232	Chemical Process Equipment Design and Drawing Laboratory - I	618CHP09	CH	Employability- Able to design and draw considerations of process equipment through performing required calculations for the process equipment design	2020-2021

Dr.M.G.R.Nagar,Hosur –635130,Krishnagiri(Dt),Tamilnadu,India. Phone:Office:04344– 260570,261001-3,261034. Fax:04344–260573
Website:www.adhiyamaan.ac.in   E-mail:principal@adhiyamaan.ac.in.

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233	Process Modeling and Simulation	715CHT01	CH	Skill development-Apply the fundamentals of modeling and their applications to transport/energy equations, chemical and phase equilibria kinetics,formulate the mathematical models of stirred tank heaters, heat exchangers, evaporators, reactors and distillation column,analyze the simulation principles of steady state processes	2018-2019
234	Chemical Engineering Plant Design and Economics	715CHT02	CH	Entrepreneurship-Understand various costs involved in a process industry and Compute break even period for rate of return. Calculate the taxes by different methods,estimate profitability of a company,work with balance sheets,concept of management and also personnel management, labour management relations	2018-2019
235	Transport Phenomena	715CHT03	CH	Skill development-Develop mathematical models of momentum,equations of change , heat and mass transport to determine respective fluxes and velocity, temperature and concentration distribution,turbulence and boundary layer concept and analogy between transport processes	2018-2019
236	Modern Separation Techniques	715CHT04	CH	Skill development-Analyze different types of separation techniques based on size, surface properties, cross flow filtration ,design equations for membrane separation processes such as RO&UF, affinity and immuno chromatographic columns	2018-2019
237	Solid waste Management	715CHE05	CH	Skill development-Judge the nature and characteristics of municipal solid wastes and the regulatory requirements regarding municipal solid waste management and plan waste minimization, design and storage to reduce waste	2018-2019
238	Industrial waste water Treatment	715CHE08	CH	Skill development- Decide on different treatment techniques physical, chemical, and biological methods for the treatment of industrial waste water and finds a solution	2018-2019
239	Chemical Reaction Engineering Laboratory	715CHP07	CH	Employability- Estimate the rate constant of a chemical reaction through performance analysis of PFR, PBR, CSTR and RTD in reactors and kinetics studies	2018-2019
240	Chemical Process Equipment Design &Drawing Laboratory -II	715CHP08	CH	Employability- Design and draw heat and mass transfer equipments, various heads in chemical plants	2018-2019
241	Technical Seminar & Report Writing Laboratory	715CHP09	CH	Employability-Study and present a seminar on a topic of current relevance in chemical engineering or allied areas	2018-2019
242	Total Quality Management	815CHT01	CH	Entrepreneurship-Knowledge on quality, analysis techniques for quality costs, role of senior management, quality systems and need of quality systems.	2018-2019
243	Air Pollution Control and	815CHE05	CH	Skill development-Design an air pollution control equipments such as	2018-2019

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	Design of Equipment			cyclone separator, fabric filter,electrostatic precipitator and wet scrubber through the identification of sources and effects	
244	Corrosion Engineering	815CHE10	CH	Skill development-Principles of Corrosion and understand the environmental effects,different types of corrosion and corrosion testing methods,design and apply modern protection coatings	2018-2019
245	Project Work & Viva Voce	818CHP04	CH	Employability/ Entrepreneurship/ Skill development- Able to apply the concepts of Chemical Engineering to solve the existing real time industrial and societal issues	2018-2019
246	Physics for Civil Engineering	218BSE05	CE	Employability - Content in the syllabus will help to Integrate the principles in the projects undertaken in field of Civil Engineering	2018-2019
247	Mechanics of Solids	318CET02	CE	Employability-gain knowledge on stress,strain and material properties used in construction industry	2019-2020
248	Mechanics of Fluids	318CET03	CE	Employability-gain knowledge in behavior and design of hyrdualic structures	2019-2020
249	Construction Materials &Structural Geology	318CET04	CE	Entrepreneurship--gain knowledge in various building materials and construction techniques and geology of earth	2019-2020
250	Engineering Survey	318CET05	CE	Entrepreneurship/Skill Development-gain knowledge in various surveying techniques and equipments which enhances employment opportunities	2019-2020
251	Value Education Program	318CET06	CE	Employability- to understand engineering ethics and human values which is important in career throughout	2019-2020
252	Engineering Survey Laboratory	318CEP07	CE	Skill Development-gain knowledge in various surveying techniques and equipments which enhances employment opportunities	2019-2020
253	Building Materials & Construction Practices Laboratory	318CEP08	CE	Skill Development-gain knowledge in testing of various building materials used in construction	2019-2020
254	Applied Hydraulic Engineering	418CET03	CE	Employability- Concepts of fluid mechanics and applications to fluid machinery will enable the students to perform better as an engineer during their employability	2019-2020
255	Geotechnical Engineering	418CET04	CE	Employability-to understand, soil as an engineering material the load-deformation behaviour, through its index and engineering properties	2019-2020
256	Water Supply Engineering	418CET05	CE	Employability-gain knowledge in water supply system	2019-2020
257	3D Printing and Design	418CEE06	CE	Entrepreneurship/Skill Development-gain knowledge in 3D Printing techniques which enhances the skill of the student	2019-2020
258	Strength of Materials Laboratory	418CEP07	CE	Skill Development-gain knowledge in testing materials for strength	2019-2020
259	Hydraulic Engineering	418CEP08	CE	Skill Development-gain knowledge on various hydraulic engineering	2019-2020

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	Laboratory			problems like open channel flows and hydraulic machines	
260	Transportation Engineering-I	518CET01	CE	Employability-helps in planning and design of highway structures	2020-2021
261	Structural Analysis – I	518CET02	CE	Employability-gain basic knowledge on analysing structures	2020-2021
262	Design of RCC Structures	518CET03	CE	Skill Development-Design skill of RC members helps in design of safe and stable RC structures	2020-2021
263	Foundation Engineering	518CET04	CE	Employability-suggest and design a suitable foundation for a structure depending on the type of soil. Also understand and analyze different types of earth pressure and perform stability checks for retaining wall	2020-2021
264	Concrete Technology	518CET05	CE	Employability- This course develops skills in concreting technology	2020-2021
265	Remote Sensing	518CEE01	CE	Employability-gain knowledge on different types of remote sensing platforms and sensors	2020-2021
266	Environmental Engineering Laboratory	518CEP07	CE	Skill Development-gain knowledge on water testing and environmental pollutants	2020-2021
267	Soil Mechanics Laboratory	518CEP08	CE	Skill Development-knowledge on soil tests and investigations helps in civil engineering projects	2020-2021
268	Computer Aided Design - I	518CEP09	CE	Entrepreneurship/Skill Development- Gain knowledge on software used for drafting and it helps in employment opportunities	2020-2021
269	Transportation Engineering-II	618CET01	CE	Employability-gain skills to plan and design Railways , Airports and Harbor structures	2020-2021
270	Structural Analysis – II	618CET02	CE	Employability-gain knowledge in analysis of structures to find design forces	2020-2021
271	Design of Steel Structures	618CET03	CE	Skill Development-Design of steel structures as per IS codes is essential for a civil engineer. He can design steel structures such as beams, columns, roof truss, gantry girder, etc.	2020-2021
272	Sanitary Engineering	618CEE02	CE	Employability-gain knowledge to design various unit operations and processes for sewage treatment system and hence can handle waste water disposal issues	2020-2021
273	Groundwater Engineering	618CEE09	CE	Employability - Enhance the knowledge on well characteristics and groundwater exploration.	2020-2021
274	Computer Aided Design - II	618CEP07	CE	Entrepreneurship/Skill Development-gain knowledge on software used for drafting and it helps in employment opportunities	2020-2021
275	Concrete and Highway Engineering Laboratory	618CEP08	CE	Skill Development-find the mechanical properties of concrete and assess the quality of bitumen through laboratory tests.	2020-2021
276	Extensive Survey Camp	618CEP09	CE	Entrepreneurship/Skill Development-through hands on training and applications on survey methods and equipments helps in employability opportunities as a surveyor	2020-2021

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277	Personality Development	618ARO01	CE	Employability - Develop qualities suited for the profession.	2020-2021
278	Estimation and Quantity Surveying	715CET01	CE	Entrepreneurship/Skill Development -Knowledge in cost estimation and valuation enhances the job opportunity in the construction field	2018-2019
279	Ground Improvement Techniques	715CET02	CE	Skill Development-Knowledge in ground improvement techniques helps to take up jobs related to Bridge constructions. Also acquires knowledge on the reinforcement details and the use of Geotextiles for filtration, drainage and separation in road and other works.	2018-2019
280	Principles of RS and GIS	715CEE01	CE	Employability-Know about the types of sensors used in Remote sensing. Work on spatial and Non spatial data in GIS Environment	2018-2019
281	Architecture & Town Planning	715CEE15	CE	Employability-Knowledge in Urban and regional planning helps in taking up smart city projects and grow as an entrepreneur	2018-2019
282	Computer Aided Design Laboratory - II	715CEP07	CE	Entrepreneurship/Skill Development-gain knowledge on software used for drafting and it helps in employment opportunities	2018-2019
283	Employability Skills Laboratory	715CEP08	CE	Entrepreneurship/Skill Development - gain field knowledge in various Civil Engineering subjects	2018-2019
284	Design Project	715CEP09	CE	Entrepreneurship/Skill Development - Students develop their skills in doing research or design and enhance their technical report writing and presentation	2018-2019
285	Disaster Mitigation & Management	815CET01	CE	Employability - gain knowledge about information technologies in disaster risk management. Also enhances awareness of Disaster Risk Management institutional processes in India	2018-2019
286	Repair & Rehabilitation of Structures	815CEE01	CE	Entrepreneurship-knowledge on repair and rehabilitation of structures will enhance the jobs related to civil consultancy services	2018-2019
287	Valuation of Real Properties	815CEE05	CE	Entrepreneurship - Analyse the valuation of residential, commercial and industrial buildings. Also gain comprehensive knowledge related to the investment of finance in real properties	2018-2019
288	Fundamental of Bridge structures	815CEE08	CE	Skill Development-This course enhances the skill set in design of structural members in particular the design of members in a bridge	2018-2019
289	Project Work	815CEP05	CE	Entrepreneurship/Skill Development-Students develop their skills in doing research or design and enchance their technical report writing and presentation	2018-2019
290	Database Management Systems Laboratory	318CSP08	CSE	Skill Development -course content helps to learn various DB design principles and techniques to build web application	2019-2020
291	OOPs and Data Structures Laboratory	318CSP09	CSE	Employability -Enhancing the problem solving Skills through the knowledge of data structures	2019-2020
292	Probability and Queuing	518PQT01	CSE	Skill Development- this course helps students in boosting their calculating	2020-2021

Dr.M.G.R.Nagar,Hosur –635130,Krishnagiri(Dt),Tamilnadu,India. Phone:Office:04344– 260570,261001-3,261034. Fax:04344–260573
Website:www.adhiyamaan.ac.in   E-mail:principal@adhiyamaan.ac.in.

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	Theory			ability	
293	Object Oriented Analysis and Design	518CST03	CSE	Skill Development -This course enables the student to develop object oriented based solutions using java programming language	2020-2021
294	Theory of Computation	518CST04	CSE	Skill Development- it helps students to find how efficiently problems can be solved on a model of computation, using an algorithm	2020-2021
295	Object Oriented Analysis and Design Laboratory	518CSP08	CSE	Skill Development - students will implement software models and designs at labs	2020-2021
296	Employability Skills Laboratory	518CIP09	CSE	Employability - Students can help to identify Skill gaps and plan your Skill Development to build a portfolio of Skills valued by employers.	2020-2021
297	C# and .NET Programming	518CIE01	CSE	Skill Development -This course enables the student to develop real time based solutions using C# and .NET Framework	2020-2021
298	Scripting Language	518CSE02	CSE	Skill Development - This course is to provide students with an overview of the concepts and fundamentals of Principles of Programming Languages.	2020-2021
299	Compiler Design	618CST02	CSE	Skill Development - This course will help the students the basic techniques that underlie the practice of Compiler Construction.	2020-2021
300	Artificial Intelligence	618CST05	CSE	Skill Development- this course provides the knowledge of understanding and developing an artificial intelligence	2020-2021
301	Mobile Application Development Laboratory	618CSP07	CSE	Skill Development - This course enables the student to develop his Practical Skills set in mobile application development	2020-2021
302	Data Mining Laboratory	618CSP08	CSE	Skill Development- this course helps to work practically with metadata and store them in a storage grid and perform metadata handling	2020-2021
303	Web Programming Laboratory	618CSP09	CSE	Skill Development- this course helps in performing software oriented products and handling them with required measures	2020-2021
304	Parallel and Distributed Computing	618CSE02	CSE	Skill Development - This course covers a broad range of topics related to parallel and distributed computing.	2020-2021
305	Applied Statistics and Numerical Methods	618MAE03	CSE	Employability - This course will help the students to model the real life problems	2020-2021
306	Network Design and Management	618CSE04	CSE	Skill Development- this course helps in understanding different network protocols	2020-2021
307	Data ware Housing and Data mining	715CIT02	CSE	Skill Development- this course helps to work with metadata and store them in a storage grid and perform metadata handling	2018-2019
308	Scripting Languages	715CST03	CSE	Skill Development - This course is to provide students with an overview of the concepts and fundamentals of Principles of Programming Languages.	2018-2019
309	Grid and Cloud Computing	715CST04	CSE	Skill Development and Employability - Foundations to emerging technology - Study of virtualization concepts and various Cloud Computing Architecture, Service and Delivery models	2018-2019

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310	Grid and Cloud Computing Laboratory	715CSP07	CSE	Skill Development and Employability - Foundations to emerging technology - Study of virtualization concepts and various Cloud Computing Architecture, Service and Delivery models	2018-2019
311	Scripting Language Laboratory	715CSP08	CSE	Skill Development - This course is to provide students with implementing the concepts and fundamentals of Principles of Programming Languages.	2018-2019
312	Building Enterprise Application	715CSE02	CSE	Skill Development- this course helps students in building a working commercial application	2018-2019
313	Business Intelligence and its Applications	715CSE03	CSE	Entrepreneurship -this course helps students in working with business related applications	2018-2019
314	Information Storage Management	715CSE04	CSE	Skill Development- this course helps to prevent data breach and secure data	2018-2019
315	Multi core Architecture	715CSE05	CSE	Employability - designing web based desktop applications	2018-2019
316	Foundation Skills in Product Development	715CSE06	CSE	Skill Development- this course helps to learn about the working of hardware systems	2018-2019
317	Software Project Management	715CSE08	CSE	Skill Development - The students gets knowledge of the Innovation and Product Development process in the Business Context.	2018-2019
318	Information Retrieval Techniques	715CSE09	CSE	Skill Development- this course gives the knowledge of retrieving of lost or damaged information	2018-2019
319	Enterprise Resource Planning	715CSE10	CSE	Entrepreneurship - working with business related applications	2018-2019
320	Visualization Techniques	715CSE11	CSE	Entrepreneurship - this course indulge students in working with software related projects	2018-2019
321	System Modeling and Simulation	715CSE12	CSE	Skill Development - students would indulge in testing software models and designs	2018-2019
322	Adhoc and Sensor Network	815CSE03	CSE	Skill Development- this course provides the knowledge of simulating adhoc networks	2018-2019
323	High Performance Network	815CSE04	CSE	Employability - Students can develop and test high speed networks in communication industry	2018-2019
324	Green Computing	815CIE05	CSE	Entrepreneurship - This course enables the student to Acquire knowledge to adopt green computing practices to minimize negative impacts on the environment.	2018-2019
325	Software Quality and Testing	815CSE06	CSE	Entrepreneurship - Apply the concepts of nation income and understand the functions of bank and globalization	2018-2019
326	Knowledge Management	815CSE07	CSE	Skill Development- this course helps individuals in developing their enhancement of knowledge	2018-2019
327	Web Design and	815CSE08	CSE	Employability/Entrepreneurship - helps students to develop web based	2018-2019

	Management			application	
328	Cyber Forensics and Ethical Hacking	815CSE09	CSE	Skill Development-this course helps in calculating the performing of security in systems	2018-2019
329	Software Design and Architecture	815CSE10	CSE	Skill Development- this course provides knowledge about managing software tools	2018-2019
330	Physics for Electronics Engineering	218BSE08	ECE	Skill Development-This course gives knowledge about fundamental physics in electronics engineering	2018-2019
331	Signals and Systems	318ECT02	ECE	Skill Development-Able to test analog and digital signals and process the same in real time applications.	2019-2020
332	Analog Electronics - I	318ECT04	ECE	Employability-Provides knowledge in Integrated Circuits which avails the student employment in core industry	2019-2020
333	Digital Electronics	318ECT05	ECE	Employability-Students can design and test analog circuits such as amplifiers and in electronic system design	2019-2020
334	Analog Electronics –I Laboratory	318ECP08	ECE	Employability-Provides knowledge in Integrated Circuits which avails the student employment in core industry	2019-2020
335	Digital Electronics Laboratory	318ECP09	ECE	Employability-Students can design and test analog circuits such as amplifiers and in electronic system design	2019-2020
336	Probability and Random Processes	418PRT01	ECE	Skill Development-Provides the fundamentals of probability logic and statistics in building analytics-based solutions.	2019-2020
337	Electrical Engineering and Instrumentation	418ECT02	ECE	Employability-Provides skill in Electrical Engineering and Instrumentation, hence student to get employment in core industry	2019-2020
338	Linear Integrated Circuits	418ECT03	ECE	Skill Development-Provide knowledge in usage of IC's, designing and developing theoretical device/circuit operation of digital circuits	2019-2020
339	Analog Electronics -II	418ECT04	ECE	Employability-Students can design and test analog circuits such as amplifiers and oscillators	2019-2020
340	Industrial Electronics	418ECE01	ECE	Entrepreneurship-This course provide an opportunity to develop industry need based applications	2019-2020
341	Consumer Electronics	418ECE02	ECE	Employability-This course provide an opportunity to develop consumer need based applications	2019-2020
342	Green Electronics	418ECE03	ECE	Employability-This course provide an opportunity to develop socio-environmental need based applications	2019-2020
343	Electrical Engineering Laboratory	418ECP07	ECE	Employability-Provides skill in Electrical Engineering and Instrumentation, hence student to get employment in core industry	2019-2020
344	Linear Integrated Circuit Laboratory	418ECP08	ECE	Skill Development-Provide knowledge in usage of IC's, designing and developing theoretical device/circuit operation of digital circuits	2019-2020
345	Analog Electronics-II	418ECP09	ECE	Employability-Students can design and test analog circuits such as	2019-2020

Dr.M.G.R.Nagar,Hosur –635130,Krishnagiri(Dt),Tamilnadu,India. Phone:Office:04344– 260570,261001-3,261034. Fax:04344–260573
Website:www.adhiyamaan.ac.in   E-mail:principal@adhiyamaan.ac.in.

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	Laboratory			amplifiers and oscillators	
346	Digital Signal Processing	518ECT01	ECE	Employability-Able to design analog and digital filters in signal processing	2020-2021
347	Microprocessors and Microcontrollers	518ECT02	ECE	Employability-Students can work in controller programming to control various real-time applications	2020-2021
348	Communication Theory	518ECT03	ECE	Skill Development-This course helps students to Identify, prevent and troubleshoot industrial communications problems	2020-2021
349	Computer Communication and Networks	518ECT04	ECE	Employability-Students can design and analyse various computer network protocols for real-time applications	2020-2021
350	Transmission Lines and Waveguides	518ECT05	ECE	Skill Development-Enables student to design various waveguide models in communication industry	2020-2021
351	Digital Signal Processing Laboratory	518ECP07	ECE	Employability-Able to design analog and digital filters in signal processing	2020-2021
352	Microprocessors and Microcontrollers Laboratory	518ECP08	ECE	Employability-Students can work in controller programming to control various real-time applications	2020-2021
353	Computer Networks Laboratory	518ECP09	ECE	Employability-Students can design and analyse various computer network protocols for real-time applications	2020-2021
354	Digital Communication	618ECT01	ECE	Skill Development-Gives the ability to design various digital communication modules in tele-communication industry	2020-2021
355	VLSI Design	618ECT02	ECE	Employability/Skill Development- Provides a chance to work in VLSI semiconductor industry to design and fabricate integrated circuits	2020-2021
356	Cellular and Mobile Communication	618ECT03	ECE	Employability - Gives the ability to design various mobile communication modules in communication industry	2020-2021
357	Principles of management	618ECT04	ECE	Entrepreneurship/ Employability-This course help in managing and maintaining the aspects with respect to administration and productivity.	2020-2021
358	Analog and Digital Communication Systems Laboratory	618ECP07	ECE	Skill Development-Gives the ability to design various analog and digital communication modules in tele-communication industry	2020-2021
359	VLSI Design Laboratory	618ECP08	ECE	Employability/Skill Development- Provides a chance to work in VLSI semiconductor industry to design and fabricate integrated circuits	2020-2021
360	Employability Skills Laboratory	618ECP09	ECE	Employability/Skill development- Provides career by enhancing employability and industry need skills.	2020-2021
361	Digital Image Processing	618ECE01	ECE	Skill Development-Students can learn image analysis techniques in the form of image segmentation and evaluate the methodologies for segmentation	2020-2021
362	Digital System Design using VHDL	618ECE03	ECE	Employability- Provides knowledge in digital design which makes the student to get employed in product development industry	2020-2021
363	RF System Design	715ECT01	ECE	Skill Development- Students can analyse and test RF Circuits in	2018-2019

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Website:www.adhiyamaan.ac.in   E-mail:principal@adhiyamaan.ac.in.

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				communication industry	
364	Optical Communication	715ECT02	ECE	Employability/Skill Development- Gives the ability to design various optical communication modules in communication industry	2018-2019
365	Microwave Engineering	715ECT03	ECE	Employability/Skill Development- Gives the ability to design various microwave communication modules in communication industry	2018-2019
366	Embedded Systems	715ECT04	ECE	Employability/Entrepreneurship/Skill Development-Enables the student to learn various embedded system concepts	2018-2019
367	Optical and Microwave Laboratory	715ECP07	ECE	Employability/Skill Development- Gives the ability to design various microwave and optical communication modules in communication industry	2018-2019
368	Electronic System Design Laboratory	715ECP08	ECE	Employability/Skill Development-students can design and test electronic circuits	2018-2019
369	Engineering Ethics And Human Values	715ECE01	ECE	Employability-Provides knowledge on code of ethics that a student has to follow in an organization.	2018-2019
370	Principles of Management	715ECE02	ECE	Entrepreneurship/ Employability-This course help in managing and maintaining the aspects with respect to administration and productivity.	2018-2019
371	Telecommunication Switching Networks	715ECE09	ECE	Skill Development-Gives the ability to design various communication modules in communication industry	2018-2019
372	Wireless Communication	715ECE10	ECE	Skill Development-Enables students to design various wireless communication modules in communication industry	2018-2019
373	Advanced Microcontrollers	715ECE11	ECE	Employability-Students can work in controller programming to control various real-time applications	2018-2019
374	Disaster Mitigation and Management	815ECT01	ECE	Employability/Skill Development-Students can predict the disasters and suggest preventive measures	2018-2019
375	Cellular and Mobile Communication	815ECE01	ECE	Employability - Gives the ability to design various mobile communication modules in communication industry	2018-2019
376	ARM System Architecture and applications	815ECE03	ECE	Employability- Students can design real time applications based ARM processors	2018-2019
377	Radar and Navigational Aids	815ECE04	ECE	Skill Development-students learn about radar and navigational aids	2018-2019
378	ASIC Design	815ECE08	ECE	Employability - Provides chance to work in ASIC VLSI industry to design and fabricate integrated circuits	2018-2019
379	Satellite Communication	815ECE09	ECE	Employability - Gives the ability to design various communication modules in communication industry	2018-2019
380	Microwave Integrated Circuits Design	815ECE10	ECE	Employability - Provides an opportunity to design and analyse microwave systems in industry	2018-2019
381	Project Work	815ECP04	ECE	Employability/Entrepreneurship/Skill Development-Develops the research skill on product development	2018-2019

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382	Technical English	118ENT01	EEE	Skill Development-This course helps the students to develop their listening and reading skills.	2018-2019
383	Circuit Theory	218CAT05	EEE	Skill Development- This course develops the analytical skills of students through the basic laws such as ohm's law and kirchoffs laws and network theorems.	2018-2019
384	Physics Of Semiconductor	218BSE07	EEE	Skill Development- The course helps to develop the basic knowledge about semiconductor devices.	2018-2019
385	Electron Devices and Circuits Laboratory	218EDP09	EEE	Skill Development- This course provides practical knowledge of electrical circuits and electron devices by practicing the experiments.	2018-2019
386	Electromagnetic Theory	318EET02	EEE	Employability- This course deals with the real time applications of electro magnetic circuits which enhances the employability skills of the students.	2019-2020
387	Network Analysis and Synthesis	318EET03	EEE	Skill Development- This course deals with design of filter etc so that students develop their designing skills	2019-2020
388	Linear Integrated Circuits and Applications	318EET04	EEE	Entrepreneurship- This course gives the knowledge about the operational amplifiers and other ICs, hence student can develop them in real time.	2019-2020
389	Measurements and Instrumentation	318EET05	EEE	Entrepreneurship- This courses offers the knowledge about the real time application and procedure of instrumentation which help the student to get involved in manufacturing industries.	2019-2020
390	Fundamentals of Data Structures in C	318EET06	EEE	Skill Development- This course offers the knowledge about basic C programming skill.	2019-2020
391	Linear Integrated Circuits Laboratory	318EEP07	EEE	Skill Development- This course develops the practical knowledge about op amp and other IC characteristics by practicing the lab experiments.	2019-2020
392	Measurements and Instrumentation Laboratory	318EEP08	EEE	Skill Development- This course gives the knowledge to develop the instrumentation handling skills.	2019-2020
393	Fundamentals of Data Structures in C Laboratory	318EEP09	EEE	Skill Development- This course provides the knowledge to apply the basic C language progamming skills.	2019-2020
394	Numerical Methods	418NMT01	EEE	Skill Development- This course deals with Direct and Iterative methods to solve equations.	2019-2020
395	Control Systems	418EET02	EEE	Skill Development- This course handles the stability concepts of linear system which helps to develop the skill about control mechanism in the system.	2019-2020
396	Digital Electronic Circuits	418EET03	EEE	Skill Development- This course offers the knowledge to develop the skill about synchronous and asynchronous circuits.	2019-2020
397	Power Generation Systems	418EET04	EEE	Employability-This course provides the knowledge of various methods of electrical power generation by renewable and nonrenewable sources that makes the students employable in those fields.	2019-2020

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398	Electrical Machines – I	418EET05	EEE	Employability- This Course provides the knowledge about the D.C electrical machines and Transformers.	2019-2020
399	Bio-Medical Instrumentation	418EEE06	EEE	Skill Development-This course provides the knowledge about the medical equipment handling skills through working principle of medical instruments .	2019-2020
400	Neural Networks and Fuzzy Systems	418EEE07	EEE	Skill Development- This course provides the optimization techniques in neural networks and the fuzzy systems.	2019-2020
401	Electrical Machines-I Laboratory	418EEP07	EEE	Skill Development-This course develops the knowledge in real time application of D.C machines and transformer by practicing the lab experiments.	2019-2020
402	Electrical and Electronic Circuits Simulation Laboratory	418EEP08	EEE	Skill Development-This course develops the knowledge in real time simulation of electrical and electronics circuits by practicing the lab experiments.	2019-2020
403	Control Systems Laboratory	418EEP09	EEE	Skill Development-This programme develops the knowledge in Transfer Function and stability concepts by practicing the lab experiments.	2019-2020
404	Microprocessors and Microcontrollers	518EET01	EEE	Employability- This course deals the microprocessors and microcontrollers architecture, pin diagram configuration which ensures the employability opportunity to the students	2020-2021
405	Electrical Machines – II	518EET02	EEE	Employability- This course deals with the Construction,working principle of A.C machines which ensures the employability opportunity to the students.	2020-2021
406	Advanced Control Theory	518EET03	EEE	Skill Development- This course explains the concept of stability analysis in non linear systems which develop the analytical skills.	2020-2021
407	Protection and Switchgear	518EET04	EEE	Entrepreneurship- This course provides the knowledge about working structure of relays in detail which supports the entrepreneurship skill to the students.	2020-2021
408	Transmission and Distribution	518EET05	EEE	Employability- This course deals the operation methods of power transmission and distribution in the electrical network hence student get the employability in the electrical core field.	2020-2021
409	Communication Theory	518ECO06/ 518ECT03	EEE	Skill Development- This course provides the knowledge about the communication of analog signal and digital signal which develops the students skills in electronic communication area.	2020-2021
410	Electrical Machines Laboratory – II	518EEP07	EEE	Skill Development-This course develops the knowledge in real time application of A.C machines by practicing the lab experiments.	2020-2021
411	Microprocessors and Microcontrollers Laboratory	518EEP08	EEE	Skill Development-This course develops the knowledge in real time applications of microprocessors and microcontrollers programming.	2020-2021
412	Digital Electronics Laboratory	518EEP09	EEE	Skill Development-This course develops the knowledge in real time applications of digital electronics by practicing the lab experiments.	2020-2021

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413	Electrical Machine Design	618EET01	EEE	Entrepreneurship- This course deals with the designing of DC and AC machines which develops the entrepreneurship skills.	2020-2021
414	Power Electronics	618EET02	EEE	Employability- This course deals with the characteristics of power electronics devices.	2020-2021
415	Power System Analysis and Stability	618EET03	EEE	Skill Development- This course deals with the stability analysis of power system which ensures the development of analytical skill.	2020-2021
416	High Voltage Engineering	618EET04	EEE	Skill Development- This course deals with the generation and testing of high voltage.	2020-2021
417	Renewable Energy Sources	618EET05	EEE	Employability- The course deals with the principles of renewable energy sources for electrical power generation which ensures the student employment in power stations.	2020-2021
418	High Voltage Direct Current Transmission	618EEE03	EEE	Skill Development-This course deals with the HVDC power transmission which develops the student skills in bulk power DC transmission area.	2020-2021
419	Artificial Intelligence and Data Science	618EEE04	EEE	Skill Development- This course gives the knowledge about the AI and Big data analytics that develops the students skills.	2020-2021
420	Power Electronics Laboratory	618EEP07	EEE	Skill Development-This course develops the practical knowledge about characteristics of power electronics devices through the lab experiments.	2020-2021
421	Electronic System Design Laboratory	618EEP08	EEE	Skill Development-This course helps the students to design and develop electronic circuits.	2020-2021
422	Power System Operation and Control	715EET02	EEE	Employability- This Course gives the knowledge of Operation and control of power system through SCADA and EMS which ensures the student employment in the power system area.	2018-2019
423	Electric Drives and Control	715EET03	EEE	Entrepreneurship-This course provides details of DC and AC drives and their characteristics.	2018-2019
424	Renewable Energy Sources	715EET04	EEE	Employability- The course deals with the principles of renewable energy sources for electrical power generation which ensures the student employment in power stations.	2018-2019
425	Power Quality Management	715EEE06	EEE	Employability- This course provides the knowledge about the monitoring and anlaysis of power quality which ensures the employment of students.	2018-2019
426	Special Electrical Machines	715EEE10	EEE	Skill Development- This course provides the knowledge of principles, characteristics and applications of certain special machines.	2018-2019
427	Mini Project	715EEP07	EEE	Skill Development-This Course helps the students to apply their knowledge in real time application and to develop the mini project.	2018-2019
428	Power System Simulation Laboratory	715EEP08	EEE	Skill Development-This course develops the knowledge in real time simulation of power system analysis by practicing the lab experiments.	2018-2019
429	Electric Drives lab	715EEP09	EEE	Skill Development-This course develops the analytical skills of the students	2018-2019

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				through practical experiments on DC and AC electric drives.	
430	Electric Power Utilization and Energy Auditing	815EET01	EEE	Employability- This course deals with the lighting system configuration and working procedure and the energy auditing methods.	2018-2019
431	Distributed Generation and Micro Grid	815EEE04	EEE	Employability- This course discusses about the principles and structure of Micro Grid for smart electrial power generation which ensures the student employment in power grid.	2018-2019
432	HVDC Transmission Systems	815EEE05	EEE	Skill Development-This course deals with the HVDC power transmission which develops the student skills in bulk power DC transmission area.	2018-2019
433	Project Work	815EEP04	EEE	Skill Development-This course helps the students to apply their knowledge in developing real time applications.	2018-2019
434	Measurement Engineering	318EIT02	EIE	Skill Development - Ability to apply the mathematical knowledge and science & engineering fundamentals gained to solve problems pertaining to measurement applications	2019-2020
435	Network Analysis and Synthesis	318EIT03	EIE	Skill Development - Evaluate one-port networks and two-port network parameters and Understand the impact of various types of filters and attenuators	2019-2020
436	Electronic Devices and Circuits	318EIT04	EIE	Skill Development - Acquire knowledge of Working principles, characteristics and applications of semiconductor devices and electronic circuits	2019-2020
437	Electrical Machines	318EIT05	EIE	Skill Development - Understand the construction, working, characteristics and applications of DC generators & DC motors, testing of single phase transformers	2019-2020
438	Electrical Machines Lab	318EIP07	EIE	Skill Development - Analysing characteristics of DC motor, AC motor and Transformers	2019-2020
439	Measurement Engineering lab	318EIP08	EIE	Skill Development - Implement the characteristics of various transducers and infer the reasons for the behavior	2019-2020
440	Fundamentals of Data Structures in C Lab	318EIP09	EIE	Skill Development - Implement functions and recursive functions in C and data structures	2019-2020
441	Analog Electronics	418EIT02	EIE	Skill Development - Design the circuits using diodes, BJT and FET & IC Fabrication	2019-2020
442	Digital Electronics Circuits	418EIT03	EIE	Skill Development - Concept of combinational circuits, synchronous, asynchronous circuit and PLD	2019-2020
443	Industrial Instrumentation - I	418EIT04	EIE	Skill Development - Understand the adequate knowledge of transducers for pressure, force, temperature, density and torque measurement	2019-2020
444	Thermodynamics & Fluid Mechanics	418EIT06	EIE	Skill Development - Acquire the knowledge, capability of analyzing problems associated with the dimensional and modal analysis	2019-2020

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445	Analog and Digital Electronics Laboratory	418EIP07	EIE	Skill Development - Design the various code converters, shift registers, counters, Multiplexers and Timers	2019-2020
446	Circuit Simulation Laboratory	418EIP08	EIE	Skill Development - OSCAD and SCI Lab software and implementation of transient and parametric analysis of RL, RC and RLC	2019-2020
447	Thermodynamics & Fluid Mechanics Laboratory	418EIP09	EIE	Skill Development - Perform experiments on engine, compressor, refrigerators and air conditioning	2019-2020
448	Microprocessors,Microcontrollers and its Applications	518EIT01	EIE	Skill Development - Acquire the knowledge of interfacing the peripheral devices with 8085 microprocessor and 8051 micro controller	2020-2021
449	Industrial Instrumentation-II	518EIT03	EIE	Skill Development - Understand the various measurements adopted in industry environment	2020-2021
450	Industrial Instrumentation Lab	518EIP06	EIE	Skill Development - Analyze Instrumentation systems and their applications to various Industries	2020-2021
451	Process Control Laboratory	518EIP07	EIE	Skill Development - Ability to design a PID controller and to analyze the various types closed loop process like flow control, level control, temperature control and pressure control	2020-2021
452	Microprocessors and Microcontrollers, DSP Laboratory	518EIP08	EIE	Skill Development - Implement the developed code using 8085 processors and 8051 controllers	2020-2021
453	Digital signal analysis and Processing	518EIE01	EIE	Skill Development - Understand and analyze multirate signal processing techniques and their applications	2020-2021
454	MEMS and its application	518EIE05	EIE	Skill Development - Providing the knowledge of sensors, wireless communications, fluidic systems, micro engines, semiconductors and solid mechanics to fabricate MEMS devices	2020-2021
455	Instrumentation System Design	618EIT01	EIE	Employability - Provides the comprehensive knowledge for various instrumentation system like Pressure, Level and temperature Measurement	2020-2021
456	Logic and Distributed control system	618EIT02	EIE	Employability - Understand DCS, I/O modules and field devices of an industrial automation system	2020-2021
457	Analytical Instrumentation	618EIT03	EIE	Skill Development - Analyze the principle operation of chromatographic Techniques, PH meters and analyzers	2020-2021
458	Biomedical Instrumentation	618EIT04	EIE	Skill Development - Latest ideas on devices of non-electrical devices, modern methods of imaging techniques	2020-2021
459	Instrumentation System Design Lab	618EIP05	EIE	Skill Development - Designing of square root extractor, linearizing circuit for thermocouples, ON/OFF and PID Controllers	2020-2021
460	Virtual Instrumentation Lab	618EIP06	EIE	Skill Development - Simulation in LabVIEW, Arithmetic and Logic operations ,Creating and Debugging a VI	2020-2021
461	Employability Skills Lab	618EIP07	EIE	Employability - Enhance the employability skills of students with a special	2020-2021

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Website:www.adhiyamaan.ac.in   E-mail:principal@adhiyamaan.ac.in.

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				focus on Presentation skills, Group discussion skills and Interview skills	
462	Professional ethics and Human values	618EIE03	EIE	Entrepreneurship - Analyse safety and responsibilities for the development of the employee	2020-2021
463	Industrial Data Networks	715EIT01	EIE	Skill Development - Knowledge about the computer networks, the methods of internetworking and industrial data communication	2018-2019
464	Computer Control of Processes	715EIT02	EIE	Skill Development - Provides knowledge about design of Digital Controllers and multiloop system analysis	2018-2019
465	VLSI Design Techniques	715EIT03	EIE	Employability - Ability to design the inverter and logic gates using the CMOS technology	2018-2019
466	Robotics and Automation	715EIT04	EIE	Employability - Analyze the various parts of robots and fields of robotics	2018-2019
467	Computer Control of Process Laboratory	715EIP05	EIE	Skill Development - Ability to design digital Controllers, feedback, feed forward, ratio and cascade complex control systems	2018-2019
468	Mini Project	715EIP06	EIE	Skill Development - Develop a model / prototype of an idea related to the field of Electronics and instrumentation	2018-2019
469	Technical Seminar and Aptitude skills	715EIP07	EIE	Employability - Students develop the ability to apply the knowledge acquired during the academic programme to real –life problems that he/she may have to face in future as an engineer	2018-2019
470	Automotive Instrumentation and control	715EIE03	EIE	Skill Development - Designing a braking system and a suspension/direction system and large technological knowledge in instrumentation & control and to define the functioning of a vehicle engine	2018-2019
471	Wireless sensor networks	715EIE09	EIE	Skill Development - Knowledge in Architectures to Link the hardware and Software network nodes	2018-2019
472	Power Plant Instrumentation	815EIT01	EIE	Employability - Analyze various measurements and control in power generation plants and SCADA in power plants	2018-2019
473	Project Work and Viva-voce	815EIP02	EIE	Skill Development - Develop a model / prototype of an idea related to the field of Electronics and instrumentation	2018-2019
474	Instrumentation in Industrial Application	815EIE01	EIE	Employability - Acquire an adequate knowledge about the measurement of various parameters in cement, steel, petrochemical and pharmaceutical Industries	2018-2019
475	Building Automation	815EIE08	EIE	Employability - Analyze current philosophy, technology, terminology, and practices used in building automation	2018-2019
476	Basic Electrical Electronics and Instrumentation Engineering	118ESE06	IT	Skill Development - This course helps students can acquire the knowledge about applications of electronics measurements and understand the actual field where electronics measurements are required for measurement purpose in instrumentation field.	2018-2019
477	Programming in C	218CPT05	IT	Skill Development -Course helps to learn the fundamental programming	2018-2019

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				concepts using C	
478	Programming in C Laboratory	218CPP09	IT	Skill Development -Course helps to learn the fundamental programming concepts using C	2018-2019
479	Physics for Information Science	218BSE09	IT	Employability - Course helps to understand the various aspects of Information science and the skill sets necessary for a data scientist	2018-2019
480	Digital Electronics	318CIT02	IT	Employability - This course helps students in Solving problems in areas of digital electronics.	2019-2020
481	Communication Engineering	318ITT03	IT	Employability - Gives the ability to design various communication modules in communication industry	2019-2020
482	Object Oriented Programming in C++	318CIT04	IT	Employability -The course will help the candidates to enhance their java programming language skills	2019-2020
483	Data Structures	318CIT05	IT	Employability -Enhancing the problem solving skills through the knowledge of data structures	2019-2020
484	Computer Organization	318CIT06	IT	Skill Development -Acquiring Knowledge of basic building blocks of computer systems	2019-2020
485	Digital Electronics Laboratory	318CIP07	IT	Employability - This course helps students in Solving problems in areas of digital electronics, measurements, sensors and industrial instrumentation	2019-2020
486	Object Oriented Programming Laboratory	318ITP08	IT	Employability -The course will help the candidates to enhance their java programming language skills	2019-2020
487	Data Structures Laboratory	318ITP09	IT	Employability -Enhancing the problem solving skills through the knowledge of data structures	2019-2020
488	Discrete Mathematics	418DMT01	IT	Skill Development -Course enables students to apply Maths for Computer Science	2019-2020
489	Design and Analysis of Algorithms	418CIT02	IT	Employability -Various algorithm design strategies helps to develop efficient algorithms	2019-2020
490	Java Programming	418CIT03	IT	Skill Development -This course enables the student to develop object oriented based solutions using java programming language	2019-2020
491	Operating System	418CIT04	IT	Employability -Acquiring Knowledge of basic functionalities of operation systems	2019-2020
492	Database Management Systems	418ITT05	IT	Skill Development - able to understand the transaction processing concurrency control	2019-2020
493	Software Engineering	418CIT06	IT	Employability -Exposure to discipline of software development life cycle models	2019-2020
494	Java Programming Laboratory	418CIP07	IT	Skill Development -The students will be aware of the important topics and principles of software development and Have the ability to write a computer program to solve specified problems with help of Java Programming Lab.	2019-2020

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495	Operating System Laboratory	418CIP08	IT	Employability -Acquiring Knowledge of basic functionalities of operation systems	2019-2020
496	Database Management System Laboratory	418ITP09	IT	Skill Development -To familiarize the students with major DBMS concepts	2019-2020
497	Probability and Statistics	518PST01	IT	Skill Development - This subject enables the student to learn the fundamental of statistics and use the knowledge in building analytics based solutions	2020-2021
498	Micro Processor and Microcontroller	518CIT02	IT	Skill Development -Provide programming skills in microprocessor and microcontroller both ALP and embedded C, hence students able to design any projects.	2020-2021
499	Computer Networks	518ITT03	IT	Employability - Course help them to learn various protocols, compare different topologies and summarize the functionality of network layers	2020-2021
500	Computational Intelligence	518ITT04	IT	Skill Development - Apply linear regression and logistic Regression machine learning system	2020-2021
501	C# and .NET Framework	518CIE01	IT	Skill Development -This course enables the student to develop real time based solutions using C# and .NET Framework	2020-2021
502	Engineering Ethics and Human Values	518BAO03	IT	Entrepreneurship - Apply the concepts of nation income and understand the functions of bank and globalization	2020-2021
503	Micro Processor and Microcontroller Laboratory	518CIP07	IT	Skill Development -Provide programming skills in microprocessor and microcontroller both ALP and embedded C, hence students able to design any projects.	2020-2021
504	Computer Networks Laboratory	518ITP08	IT	Employability - Course help them to learn various protocols, compare different topologies and summarize the functionality of network layers	2020-2021
505	Employability Skills Laboratory	518CIP09	IT	Employability - Students can help to identify skill gaps and plan your Skill Development to build a portfolio of skills valued by employers.	2020-2021
506	Scripting Languages	618ITT01	IT	Skill Development - This course is to provide students with an overview of the concepts and fundamentals of Principles of Programming Languages.	2020-2021
507	Compiler Engineering	618ITT02	IT	Skill Development - Student will learn about modification of user program can be easily made and implemented as execution proceeds.	2020-2021
508	Data warehousing and Data Mining	618CIT03	IT	Skill Development - This course helps to explore datamining algorithms and Visualization concepts	2020-2021
509	Object Oriented Modeling and Design	618ITT04	IT	Skill Development -This course enables the students to analyse, design a software system or business by using Object Oriented concepts.	2020-2021
510	Mobile Communication	618ITE04	IT	Employability -Developing mobile applications	2020-2021
511	Scripting Languages Laboratory	618ITP07	IT	Skill Development - This course is to provide students can ability to understand the differences between Scripting languages and programming	2020-2021

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				languages	
512	Compiler Engineering Laboratory	618ITP08	IT	Skill Development - Student will learn about modification of user program can be easily made and implemented as execution proceeds with tools.	2020-2021
513	Object Oriented Modeling and Design Laboratory	618ITP09	IT	Skill Development -This course enables the students to analyse, design a software system or business by using Object Oriented concepts with ARGO UML tools .	2020-2021
514	Mobile Communications	715ITT01	IT	Employability -Developing mobile applications	2018-2019
515	Internet of Things	715CIE01	IT	Employability - Learning various IoT platforms to build smart applications	2018-2019
516	Engineering Ethics & Human Values	715BAO03	IT	Entrepreneurship - Apply the concepts of nation income and understand the functions of bank and globalization	2018-2019
517	Mobile Application Development Laboratory	715CIP07	IT	Skill Development - This course enables the student to develop his Practical skills set in mobile application development	2018-2019
518	Cloud Computing Laboratory	715CIP08	IT	Skill Development and Employability - Foundations to emerging technology - Study of virtualization concepts and various Cloud Computing Architecture, Service and Delivery models	2018-2019
519	Mini Project	715ITP09	IT	Skill Development - This course helps the students to develop projects using recent technologies.	2018-2019
520	Big Data Analytics	815CIT01	IT	Skill Development -This course enables the student to analyse volumes data and skim out valuable information	2018-2019
521	Software Testing	815ITE02	IT	Skill Development -This course helps to know about various testing types and tools .	2018-2019
522	Information Security	815ITE10	IT	Employability -Awareness about various information security related problems faced by industries	2018-2019
523	Technical English	118ENT01	ME	Skill Development - This course focus on communication skill of the students.	2018-2019
524	Engineering Thermodynamics	318MET02	ME	Employability - Concepts of Engineering Thermodynamics and its applications will enable the students to perform better as an engineer during their employability.	2019-2020
525	Fluid Mechanics and Machinery	318MET03	ME	Employability - Concepts of fluid mechanics and applications to fluid machinery will enable the students to perform better as an engineer during their employability.	2019-2020
526	Composite Materials	318MET04	ME	Employability - This course will be used to understand and analyse the composite material properties and enhance the applications of new materials for sustainability.	2019-2020
527	Manufacturing Technology-I	318MET05	ME	Employability - This course will enable the students to understand the manufacturing processes like casting, welding, machining with lathe,	2019-2020

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				milling, etc.	
528	Electrical Drives and Controls	318MOE01	ME	Skill Development - This course focuses on electrical components, wiring and basic concepts of house hold electrical appliances, etc.	2019-2020
529	Fluid Mechanics and Machinery Laboratory	318MEP07	ME	Skill Development- Students will gain skill in testing related to fluid flow.	2019-2020
530	Manufacturing Technology Laboratory -I	318MEP08	ME	Skill Development- This course will enhance the students with different manufacturing processes and develop their skills in the analysing of materials.	2019-2020
531	Electrical Drives and Controls Laboratory	318MOP01	ME	Skill Development - This course will give practical knowledge on electrical components, wiring and basic concepts of house hold electrical appliances, etc.	2019-2020
532	Statistics and Numerical Methods	418MAT01	ME	Skill Development - This course will focus on methods of numerical solutions of ordinary differential equations with initial conditions and statistical methods for analysis of variance and control limits.	2019-2020
533	Kinematics of Machinery	418MET02	ME	Skill Development - This course will give more knowledge on velocity and acceleration diagrams for different linkages, designing cam profile for the desired follower motion and synthesis linkages.	2019-2020
534	Thermal Engineering	418MET03	ME	Skill Development - This course will enhance the students to understand various process in air standard cycles and to learn the performance of internal combustion engines.	2019-2020
535	Strength of Materials	418MET04	ME	Employability - This course will be focused on the concepts of stress, strain, principal stresses and principal planes which will be useful in industry during manufacturing.	2019-2020
536	Manufacturing Technology-II	418MET05	ME	Entrepreneurship - Students will know about the fundamentals of metal cutting, special purpose machines used in industrial applications.	2019-2020
537	Process Planning and Cost Estimation	418MET06	ME	Entrepreneurship - This course will give more knowledge on step by step procedures in the cost estimation of any product.	2019-2020
538	Thermal Engineering Laboratory	418MEP07	ME	Skill Development - Students will be familiar on various thermodynamic concepts and principles, heat balance test, energy balance test.	2019-2020
539	Material Testing and Metallurgy Laboratory	418MEP08	ME	Skill Development - Students will have more skills in testing of materials under untreated and heat treated conditions and various NDT methods.	2019-2020
540	Manufacturing Technology Laboratory-II	418MEP09	ME	Skill development - This course will give more practical knowledge on different machining operations on shaper, lathe, milling, drilling and slotting.	2019-2020
541	Metrology and Instrumentation	518MET01	ME	Employability - This course focus on measurement of mechanical parameter by using different instrument and devices in practical applications.	2020-2021

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542	Heat and Mass Transfer	518MET02	ME	Skill Development - This course will enhance the students about the basic concepts of heat transfer modes, mass transfer and its applications.	2020-2021
543	Dynamics of Machinery	518MET03	ME	Skill Development - This course will give more knowledge on static force analysis and dynamic force analysis of mechanism and machines, free vibration and degree of freedom.	2020-2021
544	Design of Machine Elements	518MET04	ME	Employability - This course will enhance with designing various components considering strength and functional requirement which is necessary for industry oriented.	2020-2021
545	Applied Hydraulics and Pneumatics	518MET05	ME	Skill Development - This course is focus on designing circuits based on hydraulic and pneumatic components as per the industrial applications.	2020-2021
546	Advanced Manufacturing Processes	518MEE01	ME	Employability - Students will have an ability to work with different manufacturing processes used in industries.	2020-2021
547	Non Destructive Testing and Materials	518MEE04	ME	Employability - This course will enhance the students to know more about the NDT techniques for flaw detection in different materials used in industry.	2020-2021
548	Metrology and Instrumentation Laboratory	518MEP07	ME	Skill Development - This course will give more practical knowledge on measuring components based on linear and angular measurement, calibration of various measuring devices	2020-2021
549	Heat Transfer Laboratory	518MEP08	ME	Skill Development - This course will enhance the students to conduct performance test on various refrigeration systems.	2020-2021
550	Dynamics Laboratory	518MEP09	ME	Skill Development - This course will give more practical knowledge to calculate mass moment of inertia of body experimentally.	2020-2021
551	Principles of Management and Business Concepts	618MET01	ME	Entrepreneurship - This course focus on how to start an organization by knowing the concepts of marketing and various business activities.	2020-2021
552	Gas Dynamics and Jet Propulsion	618MET02	ME	Skill Development - This course will give more knowledge on shock waves and its effects on flow and perform calculation for rocket propulsion.	2020-2021
553	Design of Transmission Systems	618MET03	ME	Employability - This course will focus to design various types of gears using design knowledge which will suit for practical applications.	2020-2021
554	CAD/CAM/CIM	618MET04	ME	Skill Development - Students will be able to use skills in integrating manufacturing processes with the help of computer.	2020-2021
555	Professional Ethics and Human Values	618MEE02	ME	Entrepreneurship - Students will know more about the codes of ethics and industrial standards, responsibility on safety and risk which will be more useful to be an good entrepreneur.	2020-2021
556	Metal Forming Techniques	618MEE08	ME	Employability - Students will have the ability to work with the forging and rolling operations and to develop new components by using new techniques.	2020-2021
557	Operations Research	618MEE10	ME	Employability - This course will enhance the students to apply CPM and	2020-2021

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				PERT techniques to reduce the cycle time of the product in industry.	
558	Computer Aided Machine Drawing	618MEP07	ME	Skill Development - Students will have more skill on engineering drawing concepts with the help of computer aided design packages.	2020-2021
559	CAM Laboratory	618MEP08	ME	Skill Development - The students will acquire practical knowledge about the fundamentals of numerical control machines and its controlling techniques.	2020-2021
560	Mechatronics and Robotics	715MET01	ME	Employability - This course enhance with various types of sensors and transducers, types of grippers used for automation in industry.	2018-2019
561	Finite Element Analysis	715MET02	ME	Employability - This course will give more mathematical knowledge along with FEA concepts to analysis different types of problems.	2018-2019
562	Power Plant and Energy Engineering	715MET03	ME	Employability - This course will enhance the students to know about the various components, operations and applications of different types of power plants to work with that.	2018-2019
563	Composite Materials	715MET04	ME	Employability - This course will be used to understand and analyse the composite material properties and enhance the applications of new materials for sustainability.	2018-2019
564	Process Planning and Cost Estimation	715MEE01	ME	Entrepreneurship - This course will give more knowledge on step by step procedures in the cost estimation of any product.	2018-2019
565	Maintenance Engineering	715MEE02	ME	Employability - This course focus on principles, function and practices adapted in industry for the successful management of maintenance activities.	2018-2019
566	Automotive Instrumentation and Control	715EIO02	ME	Employability - This course will give the students more focus on employability in the field of automobile engineering.	2018-2019
567	Automobile Engineering	815MET01	ME	Employability - This course focus on engine auxiliary and emission system, transmission system, steering, suspension and braking system which will be useful in automotive industries.	2018-2019
568	Engineering Economics and Cost Analysis	815MEE02	ME	Entrepreneurship - This course will give more knowledge on cost calculations, replacement policies and types of depreciation methods which an entrepreneur should know.	2018-2019
569	Industrial Safety and Hazard Managements	815MEE04	ME	Entrepreneurship - This course focus on safety measures to be maintained in the industry.	2018-2019
570	Total Quality Management	815MEE09	ME	Employability - This course focus on TQM principles, tools and Philosophies which is used in industries throughout the world.	2018-2019
571	Entrepreneurship and E-Business	815MEE14	ME	Entrepreneurship - This course focus on gaining the knowledge in the field of entrepreneur, entrepreneurship and management of resources.	2018-2019
572	Project Work	815MEP04	ME	Skill Development - This course will recollect the fundamental knowledge acquired during the earlier semesters and apply the same to real life problems and provide solution to the problems.	2018-2019

Dr.M.G.R.Nagar,Hosur –635130,Krishnagiri(Dt),Tamilnadu,India. Phone:Office:04344– 260570,261001-3,261034. Fax:04344–260573
Website:www.adhiyamaan.ac.in   E-mail:principal@adhiyamaan.ac.in.

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573	Business Statistics	118BAT01	MBA	Employability- This Course help the students with good technical understanding and subject knowledge, employers often outline a set of skills that they required for job opportunities. Skill Development-This Course help in the transferable skills needed by an individual to make them skilled.	2018-2019
574	Management Concepts and Practices	118BAT02	MBA	Employability-This Course helps as the systematic process of creating effective managers. Entrepreneurship-This course helps critical function is to translate leadership and Entrepreneurship objectives Skill Development- This Course help develop managers/executives for better performance on their present job	2018-2019
575	Management Accounting for Business Decisions	118BAT03	MBA	Employability-This Course helps to absorb about basic accounting fundamentals and to prepare financial statements Skill Development-This Course helps to mature in financial analysis skills and to learn to prepare fund, cash flow statement, estimated working capital and recievables management	2018-2019
576	Economic Analysis for Business	118BAT04	MBA	Employability- This Course helps in providing income to poor families, revives domestic demand for goods and services, and stimulates overall growth Entrepreneurship- This Course helps in development is the time one invests in to improve their proficiency and to stay future-ready, any agilities that one follows as a passion Skill Development-This Course helps in the transferable skills needed by an individual to make them 'employable'	2018-2019
577	Organisational Behavior	118BAT05	MBA	Employability-This Course helps analyzes the effect of social and environmental factors that affect the way employees Entrepreneurship-This Course helps on the individuals, the groups and the organization and also on their interactional relationships Skill Development- This Course helps in bring a change in the values, norms, attitudes, perception, and behavior of people	2018-2019
578	Legal Aspects of Business	118BAE01	MBA	Employability-This Course helps for Start-up name should be legal and must not violate the legal rights of others Skill Development-This Course helps in learning Business Law deals with the laws on the basis of which every deal between people and commercial firms are governed	2018-2019
579	Information Management	118BAE11	MBA	Employability-This Course helps by boosting knowledge and skill will put you in a position where your career can move forward into managerial roles	2018-2019

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				Skill Development-This Course helps for studying of people, technology, organizations, and the relationships among them	
580	Executive Communication	118BAP01	MBA	Employability-This Course helps for ongoing process of communication between a supervisor and an employee that occurs throughout the year, in support of accomplishing the strategic objectives of the organization. Skill Development-This Course helps in improving the abilities that the students uses when giving and receiving different kinds of information	2018-2019
581	International Business Management	218BAT06	MBA	Employability-This Course give students an understanding of the different business management practices found all over the world Entrepreneurship-This Course teach students a wide range of skills including developing new products and ideas, business processes to start a new venture, and evaluating a new business Skill Development-This course support students able to work, communicate, sell to or buy from people in different countries, working in different times zones, with different ways of doing things is essential	2018-2019
582	Optimization Techniques	218BAT07	MBA	Employability-This Course helps for analysts write memos, reports, and other documents explaining their findings and recommendations Skill Development-This Course helps in developing and applying advanced analytical methods to improve decision-making	2018-2019
583	Human Resource Management	218BAT08	MBA	Employability- This Course helps recruiting new hires, evaluating employee performance, ensuring fair compensation and benefits, training employees and supporting education and development, and protecting the health and safety of all employees Entrepreneurship-This Course helps as acts as a supporter to perform the entrepreneurial activities effectively and efficiently Skill Development- This Course helps workers meet organizational standards, cuts down replacement costs and improves workplace performance	2018-2019
584	Marketing Management	218BAT09	MBA	Employability-This Course helps in identifies market opportunities and comes out with appropriate strategies for exploring those opportunities profitably Entrepreneurship-This Course helps as a strategies, tools and analyses used in promoting a business. Businesses use marketing management techniques to identify opportunities for growth and connect effectively with new target markets Skill Development-This Course helps in development of content management, social media, responsive design, partner management,	2018-2019

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				analytics, knowledge of the latest tech tools, distributed experts skills, people skills, and team building / motivation	
585	Financial Management	218BAT10	MBA	Employability-This Course helps assist designed to replicate the role of a senior financial executive or advisor Entrepreneurship-This Course helps to properly utilize the available resources and obtain financial stability and growth. Skill Development-This Course helps in using a wide range of skills to balance budgets and recommend investments	2018-2019
586	Operations Management	218BAT11	MBA	Employability-This Course helps in a business organization because it helps effectively manage, control and supervise goods, services and people Skill Development-This Course helps by learn to support company strategies that enhance efficiency in the process successfully	2018-2019
587	Total Quality Management	218BAE21	MBA	Employability- This course is management framework based on the belief that an organization can build long-term success by having all its members, from low-level workers to its highest ranking executives, focus on improving quality and, thus, delivering customer satisfaction Skill Development- This course helps to determination of a quality policy, creating and implementing quality planning and assurance, and quality control and quality improvement	2018-2019
588	Data Analysis and Business Modelling	218BAP02	MBA	Employability-This Course helps Social statistics and quantitative data analysis are key tools for understanding society and social change for job Entrepreneurship-This Course helps in profit-making plan which defines the products or services it will sell, its target market, and any expected business growth Skill Development-This Course helps in providing data analysis for descriptive and bivariate statistics, numeral outcome predictions and predictions for identifying groups	2018-2019
589	Managerial Skill Development - 1	218BAV01	MBA	Employability- This course helps in the knowledge and ability of the individuals in a managerial position to fulfil some specific management activities or tasks Entrepreneurship- This course helps certain attributes or abilities that an executive should possess in order to fulfill specific tasks in an organization to run successfully Skill Development- This course helps to planning, organizing, leading, and controlling, managers must use a wide variety of skills	2018-2019
590	Strategic Management	318BAT12	MBA	Employability-This Course helps in Setting effective goals for employees and involving them in organizational objectives can improve overall performance	2018-2019

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				Entrepreneurship-This Course helps in develops entrepreneurial processes to develop current and future competitive advantage in promising product markets Skill Development-This Course helps ability to assess the impact of issues or challenges beyond the organization that might arise or will have a future impact on any potential strategy	
591	Business Research Methods	318BAT13	MBA	Employability-This Course helps in acquiring detailed information of all the areas of business and using such information in maximizing the sales and profit of the business for betterment of Job Skill Development-This Course helps as unique opportunity to develop the academic skills and research mindset	2019-2020
592	Industrial Relations and Labor Legislations	318BAH01	MBA	Employability-This Course helps for multidisciplinary field of study which examines the interrelations of varying complexities between employers and employees, employer organizations and the state with trade and labour unions Skill Development-This Course helps correct the imbalance of power between the worker and the employer; to prevent the employer from dismissing the worker without good cause; to set up and preserve the processes by which workers are recognized as 'equal' partners in negotiations about their working conditions	2019-2020
593	Performance Management	318BAH02	MBA	Employability-This Course helps for ongoing process of communication between a supervisor and an employee that occurs throughout the year, in support of accomplishing the strategic objectives of the organization. Entrepreneurship-This Course helps in promotion and development Programmes are being organized regularly to nurture the talent of youth by enlightening them Skill Development-This Course helps in the identification of capability of an individual to channel the talents of employees towards the attainment of organizational goals	2019-2020
594	Training and Development	318BAH03	MBA	Employability-This Course helps acquiring specific knowledge that employees can apply instantly to bring about significant improvements in their current job roles Entrepreneurship-This Course helps in enhancing the knowledge and skill of entrepreneurs through several classroom coaching and programs, and training. Skill Development-This Course helps in initiatives are educational activities within an organization that are designed to improve the job performance of	2019-2020

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				an individual or group	
595	Derivatives Management	318BAF01	MBA	Employability-This Course helps in risk reduction through hedging, ensuring market efficiency, deal price discovery of the underlying asset Skill Development-This Course helps for purpose of a derivative for the management and especially the mitigation of risk	2019-2020
596	Security Analysis and Portfolio Management	318BAF02	MBA	Employability-This Course helps in analysis of tradeable financial instruments called securities It deals with finding the proper value of individual securities enhances job opportunity Skill Development-This Course support in identification of strengths, weaknesses, opportunities and threats in the choice of debt vs. equity, domestic vs. international, growth vs. safety, and many other trade-offs encountered in the attempt to maximize return at a given appetite for risk	2019-2020
597	Merchant Banking and Financial Services	318BAF04	MBA	Employability-This Course helps in identifying which financial institution should be preferred for term loans in Job opportunity basis Skill Development-This Course helps to identify conduct fund raising, financial advising and loan services to large corporations	2019-2020
598	Project Management	318BAO01	MBA	Employability-This Course helps plan and implement projects from start to finish in order to help an organization meet its goals Skill Development-This Course helps to identify plan, manage, execute and finish projects. Both hard and soft skills are a part of the project management skills because they help delegate and priorities tasks, manage resources, analyse problems, report progress and analyse project performance	2019-2020
599	Services Operations Management	318BAO02	MBA	Employability-This Course helps in synchronize and perform the activities and processes required to deliver and manage services at agreed levels to business users and customers Skill Development-This Course helps to maintain business satisfaction and confidence in IT through effective and efficient delivery support of agreed services	2019-2020
600	Supply Chain Management	318BAO03	MBA	Employability-This Course helps in handling of the entire production flow of a good or service for enhancing job betterment Skill Development-This Course support in developing ability to use data to track orders and shipments, sales trends, demand and any weaknesses and inefficiencies	2019-2020
601	Summer Internship Training	318BAP03	MBA	Employability-This Course help the students to build their resumes and take the first step towards a successful professional Entrepreneurship-This Course helps to allow the students to get real-world	2019-2020

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				industrial exposure Skill Development-This Course helps to improve knowledge and practical skills for their job to learn and apply theoretical concepts in real-life gain	
602	Managerial Skill Development -II	318BAV02	MBA	Employability- This course helps in the knowledge and ability of the individuals in a managerial position to fulfil some specific management activities or tasks Entrepreneurship- This course helps certain attributes or abilities that an executive should possess in order to fulfill specific tasks in an organization to run successfully Skill Development- This course helps to planning, organizing, leading, and controlling, managers must use a wide variety of skills	2019-2020
603	Project Work	418BAP04	MBA	Employability-This Course help the students to build their resumes and take the first step towards a successful professional Entrepreneurship-This Course helps to allow the students to get real-world industrial exposure Skill Development-This Course helps to improve knowledge and practical skills for their job to learn and apply theoretical concepts in real-life gain	2019-2020
604	Python Programming	120CAT02	MCA	Skill Development-Applications based on Scripting and object oriented concept for the development of real time applications.	2020-2021
605	Python Programming Lab	120CAP06	MCA	Skill Development- Program based on Scripting and object oriented concept for the development of real time applications.	2020-2021
606	Business Processes	120CAE07	MCA	Entrepreneurship- Leads to Organize a Small Scale Business with oraganization strategies	2020-2021
607	Object Oriented Programmig using Java	220CAT02	MCA	Skill Development- Java Programming with J2EE and J2ME Concept implemented to develop an applications	2020-2021
608	Cloud Computing	220CAT03	MCA	Skill Development- Various Services as as IaaS, Paas, and SaaS related to cloud computing were explored.	2020-2021
609	Data Warehousing and Data Mining	220CAE05	MCA	Skill Development - Detailed process of Mining and Warehouse related to various applications in the real world scenario.	2020-2021
610	Digital Marketing	220CAE06	MCA	Entrepreneurship - Marketing strategies in the digital world to develop the business in Local / National / International Level	2020-2021
611	Java Progamming Lab	220CAL01	MCA	Skill Development- Java Programming Lab exercise with J2EE and J2ME Concept implemented to develop an applications	2020-2021
612	Data Mining and Data Warehousing Lab	220CAL05	MCA	Skill Development -Technical Skill were enriched in the database concept which used for an effective optimization.	2020-2021
613	Java Progamming	318CAT01	MCA	Skill Development- Java Programming with J2EE and J2ME Concept implemented to develop an applications	2019-2020
614	C# and Dot Net	318CAT03	MCA	Skill Development- Dot Net Programming with CLR Concept along with	2019-2020

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	Programming			console, window and web based applications	
615	Java Progamming Lab	318CAP06	MCA	Skill Development- Java Programming Lab exercise with J2EE and J2ME Concept implemented to develop an applications	2019-2020
616	Advanced database Management Systems	318CAE03	MCA	Skill Development- Database with advanced concept using recent tools for AI and ML based applications	2019-2020
617	Human Resource Mangement	318CAE07	MCA	Entrepreneurship - Management in terms of company policy and human policy	2019-2020
618	C# and Dot Net Programming Lab	318CAL01	MCA	Skill Development- Dot Net Programming Lab Exercise with CLR Concept along with console, window and web based applications	2019-2020
619	Advanced Database Management Systems Lab	318CAL02	MCA	Skill Development- Database program with advanced concept using recent tools for AI and ML based applications	2019-2020
620	Web Programming	418CAT01	MCA	Skill Development - Programming based on PHP with MySql to develop an web based applications	2019-2020
621	Data Warehousing and Data Mining	418CAT02	MCA	Skill Development - Detailed process of Mining and Warehouse related to various applications in the real world scenario.	2019-2020
622	Mobile Application Development	418CAT03	MCA	Skill Development- Analytical and Technical Skills were developed in the mobile applications	2019-2020
623	Web Programming Lab	418CAP06	MCA	Skill Development - Program based on PHP with MySql to develop an web based applications along with third party.	2019-2020
624	Cloud Computing	418CAE03	MCA	Skill Development- Various Services as as IaaS, Paas, and SaaS related to cloud computing were explored.	2019-2020
625	Professional Communications	418CAE08	MCA	Entrepreneurship -Communications Skills Which leads to professional for their development of business.	2019-2020
626	Mobile Application Development Lab	418CAL01	MCA	Skill Development- Exercise based Analytical and Technical Skills were developed in the mobile applications	2019-2020
627	Executive Communication Lab	418CAL04	MCA	Employability- Presentation focused on Seminar, develop of communication skills for the corporate world.	2019-2020
628	Internet of Things	518CAT01	MCA	Skill Development- A Physical design to interact a device with internet application explored the embedded system.	2020-2021
629	Advanced JavaScripting Languages	518CAT02	MCA	Skill Development- Analytical and Technical Skills were developed in the Angular Js, Node Js, React Js etc.,	2020-2021
630	Open Source Technologies	518CAT03	MCA	Skill Development- Programming Skills with open source were developed to attain the requirements of IT Sector	2020-2021
631	Mini Project	518CAP06	MCA	Employability- Various Application designed in house to sustain the availability of the corporate world.	2020-2021
632	Big Data Management	518CAE02	MCA	Skill Development- Semantic skill with data representation focused on	2020-2021

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				Volume, Velocity and variety.	
633	Digital Markting Manegment	518CAE09	MCA	Entrepreneurship - Marketing strategies in the digital world to develop the business in Local / National / International Level	2020-2021
634	Advanced JavaScripting Languages Lab	518CAL01	MCA	Skill Development- Lab Program with Analytical and Technical Skills were developed in the Angular JS, Node JS, React JS etc.,	2020-2021
635	Open Source Technologies ab	518CAL02	MCA	Skill Development- Programming Skills with open source were developed to attain the requirements of IT Sector	2020-2021
636	Project Work	618CAP01	MCA	Employability- Various Application designed to sustain the availability of the corporate world.	2020-2021
637	Advanced Mathematics for Computing	118MCT01	M.E. CSE	Skill Development- this course helps students in boosting their calculating ability	2018-2019
638	Advanced Data Structures and Algorithms	118MCT02	M.E. CSE	Employability -Various algorithm design strategies helps to develop efficient algorithms	2018-2019
639	Advanced Computer Architecture	118MCT03	M.E. CSE	Skill Development- this course indulge in learning in depth of the computer architecture	2018-2019
640	Network Protocols	118MCT04	M.E. CSE	Skill Development- this course helps in understanding different network protocols	2018-2019
641	Advanced Software Engineering	118MCT05	M.E. CSE	Skill Development- this course provides knowledge about managing software tools	2018-2019
642	Advanced Data Structures Laboratory	118MCP07	M.E. CSE	Skill Development- this course helps in the implementation of programming of softwares using the analysed metadata	2018-2019
643	Network Simulation Laboratory	118MCP08	M.E. CSE	Skill Development- this course helps in the implementation of programming of softwares using the analysed metadata	2018-2019
644	Web Engineering	118MCE05	M.E. CSE	Employability - this course helps students to design web based applications	2018-2019
645	Advanced Database Management Systems	218MCT01	M.E. CSE	Skill Development -course content helps to learn various DB design principles and techniques to build web application	2018-2019
646	Security in Computing	218MCT02	M.E. CSE	Skill Development-this course helps in calculating the performing of security in systems	2018-2019
647	Data Mining Technologies	218MCT03	M.E. CSE	Skill Development- this course helps to work with metadata and store them in a storage grid and perform metadata handling	2018-2019
648	Internet of Things	218MCT04	M.E. CSE	Employability - Learning various IoT platforms to build smart applications	2018-2019
649	Operating System Internals	218MCT05	M.E. CSE	Employability - this course helps students to working with various kinds of different operating systems	2018-2019
650	Advanced Database Management Systems Laboratory	218MCP07	M.E. CSE	Skill Development -course content helps to learn various DB design principles and techniques to build web application	2018-2019

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651	Data Mining Laboratory	218MCP08	M.E. CSE	Skill Development- this course helps to work practically with metadata and store them in a storage grid and perform metadata handling	2018-2019
652	Cloud Computing	218MCE05	M.E. CSE	Skill Development and Employability - Foundations to emerging technology - Study of virtualization concepts and various Cloud Computing Architecture, Service and Delivery models	2018-2019
653	Machine Learning Techniques	318MCT01	M.E. CSE	Skill Development -To build predictive models using advanced Machine Learning Techniques	2019-2020
654	Project Work Phase - I	318MCP02	M.E. CSE	Skill Development- in this phase, students are organised to gather the required data for implementing the project	2019-2020
655	Big Data Analytics	318MCE04	M.E. CSE	Skill Development -This course enables the student to analyse volumes data and skim out valuable information	2019-2020
656	Deep Learning	318MCE09	M.E. CSE	Employability -Learn deep learning architectures to build intelligent applications	2019-2020
657	Project Work – Phase II	418MCP01	M.E. CSE	Entrepreneurship -this phase helps students to implement a reatime working software based project	2019-2020
658	Applied Mathematics	118COT01	M.E. CS	Skill Development-This course will help the students to apply the mathematics concept to solve the complex problem.	2018-2019
659	Advanced Digital Signal Processing	118COT02	M.E. CS	Skill Development-Provide knowledge on basic concepts of signal and system, filter design analog and digital , hence students able to get jobs in design industry	2018-2019
660	Modern Digital Communication Techniques	118COT03	M.E. CS	Skill Development-Gives the ability to design various digital communication modules in communication industry	2018-2019
661	Optical and Mobile Communication Networks	118COT04	M.E. CS	Employability/Skill Development- Gives the ability to design various optical communication modules in communication industry	2018-2019
662	Advanced Radiation Systems	118COT05	M.E. CS	Skill Development-Gives the ability to design various radiation effects in communication industry	2018-2019
663	Communication Systems Laboratory-I	118COP01	M.E. CS	Skill Development-Gives the ability to design various analog and digital communication modules in communication industry	2018-2019
664	Advanced Satellite Based Systems	118COE06	M.E. CS	Employability - Able to design and test satellite communication protocols in communication industry	2018-2019
665	Software Radio Architecture	218COT01	M.E. CS	Skill Development-Design SDR for a specific application	2018-2019
666	Photonic and Microwave Integrated Circuits	218COT02	M.E. CS	Employability-Design and fabricate the hybrid MIC's in thick and thin film technology.	2018-2019
667	Multimedia Compression Techniques	218COT03	M.E. CS	Employability - Able to design and develop data compression algorithms in data processing applications	2018-2019
668	Communication Systems	218COP01	M.E. CS	Skill Development-Gives the ability to design various analog digital	2018-2019

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	Laboratory - II			communication modules in communication industry	
669	Network Routing Algorithms	218COE07	M.E. CS	Employability- Provides knowledge in Networks Routing Protocols, hence student to get employment in core industry	2018-2019
670	DSP Processor Architecture and Programming	218COE14	M.E. CS	Employability-Implement the different processor for domestic and industrial applications	2018-2019
671	Cognitive Radio	218COE17	M.E. CS	Employability-Able to design the wireless networks based on the cognitive radios	2018-2019
672	Embedded Systems for Communication	318COE01	M.E. CS	Employability - Gives the ability to design various embedded modules in communication industry	2019-2020
673	Communication Network Security	318COE03	M.E. CS	Employability- This course gives the ability to design and work on network layer security protocols	2019-2020
674	High Speed Switching Architecture	318COE04	M.E. CS	Employability- This course gives the ability to design and work on IP layer protocols	2019-2020
675	Project Work (Phase – I)	318COP01	M.E. CS	Employability/Entrepreneurship/Skill Development-Develops the research skill on product development	2019-2020
676	Internship	318COP02	M.E. CS	Employability - This course will enhance the students on technical paper writing and publication techniques.	2019-2020
677	Project Work (Phase – II)	418COP01	M.E. CS	Employability/Entrepreneurship/Skill Development-Develops the research skill on product development	2019-2020
678	System Theory	118PST01	M.E. PSE	Skill Development-This course deals with the stability analysis of linear and non linear system which enhance the students skill in the power system control.	2018-2019
679	Power System Optimization Techniques	118PST02	M.E. PSE	Employability- This course provides the knowledge about optimization techniques such as neural networks , fuzzy system which ensures the employment in the same domain.	2018-2019
680	Computer Aided Power System Analysis	118PST03	M.E. PSE	Skill Development- This course provides the knowledge about software techniques in fault analysis, stability analysis which develops the student skill in power system analysis.	2018-2019
681	Power System Estimation and Security	118PST04	M.E. PSE	Employability- This course provides the knowledge about contingency analysis, marginal pricing analysis and security enhancement in power system which ensures the employment in power system.	2018-2019
682	Mathematics for Electrical Engineers	118PST05	M.E. PSE	Skill Development-This course develops the student skills which helps to apply the mathematics knowledge to solve the power system engineering problems.	2018-2019
683	Energy Auditing and Management	118PSE02	M.E. PSE	Employability- This course provides the knowledge about the techniques to maximize the profit in electrical energy and manage the electrical power in	2018-2019

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				an optimized way which ensure the employment in energy auditing work.	
684	Computer Aided Power System analysis Laboratory	118PSP01	M.E. PSE	Skill Development-This course provides the knowledge about software techniques in fault analysis, stability analysis which develop the student skill in power system by conducting the lab experiments.	2018-2019
685	Power System Planning and Reliability	218PST01	M.E. PSE	Employability- This course provides the knowledge about contingency analysis, marginal price analysis for planning to provide the profitable and reliable power to consumer.	2018-2019
686	Power System Dynamics and Stability	218PST02	M.E. PSE	Skill Development- This courses provides the knowledge about the stability analysis of power system in the dynamic disturbance.	2018-2019
687	Advanced Power System Protection	218PST03	M.E. PSE	Employability- This courses provides the knowledge about the techniques to protect the equipment's and protection schemes in the substation which ensures the employment in the substation.	2018-2019
688	Distributed Generation and Micro Grid	218PST04	M.E. PSE	Employability- This course discusses about the principles and structure of Micro Grid for smart electrical power generation which ensures the student employment in power grid.	2018-2019
689	Power Quality Management	218PSE01	M.E. PSE	Employability- This course provides the knowledge about the power quality issues and the solution to solve it which ensures the job opportunity in the power quality management sector.	2018-2019
690	Power Electronics for Renewable Energy Systems	218PSE08	M.E. PSE	Skill Development-The course deals with the applications of latest power electronics devices in the field of renewable energy systems.	2018-2019
691	Advanced Power System Simulation Laboratory	218PSP02	M.E. PSE	Skill Development-This course provides the knowledge about simulation of software techniques in fault analysis, stability analysis which develops the student skill in power system simulation by conducting the lab experiments.	2018-2019
692	Seminar	218PSP01	M.E. PSE	Skill Development- This course enhances the student's presentation skills in the power system.	2018-2019
693	EHV Power Transmission	318PST01	M.E. PSE	Employability- This course provides the knowledge in electrical power transmission in EHV system which ensures the employment in the power system grid.	2019-2020
694	Smart Grid Design and Analysis	318PSE03	M.E. PSE	Employability- This course provides the knowledge about the designing and analysis methods of smart grid which ensures the job opportunity in the power system grid.	2019-2020
695	Power System Instrumentation	318PSE05	M.E. PSE	Skill Development- This course provides the knowledge about the working principle and types of instruments in the substation which develops the students designing skills in power system.	2019-2020
696	Project Work (Phase – I)	318PSP01	M.E. PSE	Employability-This course helps the students to apply their Power Systems knowledge in real time applications.	2019-2020
697	Project Work (Phase - II)	418PSP01	M.E. PSE	Employability-This course helps the students to apply their Power Systems	2019-2020

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				knowledge in real time applications.	
698	Applied Mathematics	118SET01	M.E. SE	Employability - Students will develop skills in mathematics to solve problems	2018-2019
699	Advanced Concrete Design	118SET02	M.E. SE	Skill Development - The course provides knowledge in design of concrete structures which helps in executing projects	2018-2019
700	Structural Dynamics	118SET03	M.E. SE	Employability - The course develops skills in solving dynamic problems related to structural elements and as a whole	2018-2019
701	Theory Of Elasticity And Plasticity	118SET04	M.E. SE	Employability - Skills on solving structural elements for various boundary conditions will be developed in this course	2018-2019
702	Advanced Concrete Technology	118SEE01	M.E. SE	Entrepreneurship - This course develops skills in concreting technology	2018-2019
703	Maintenance and Rehabilitation of Structures	118SEE07	M.E. SE	Entrepreneurship - Students will develop skill sets regrind the materials and techniques required for maintenance and rehabilitation of structures	2018-2019
704	Finite Element Analysis	218SET01	M.E. SE	Skill Development- This course enhances the skill set related to finite element method of analysing a structure	2018-2019
705	Experimental Techniques and Instrumentation	218SET02	M.E. SE	Skill Development - gain knowledge on the principles of measurements using various electronic and physical testing machines. Also test various civil engineering structures using non-destructive testing methodologies	2018-2019
706	Design of Bridges	218SEE01	M.E. SE	Skill Development - This course enhances the skill set in design of structural members in particular the design of members in a bridge	2018-2019
707	Stability of Structures	218SEE05	M.E. SE	Employability - Skills in assessing the stability of structural elements is focused in this course	2018-2019
708	Advanced Structural Engineering Laboratory	218SEP01	M.E. SE	Entrepreneurship - This laboratory course exposes the students to various techniques and methods available for material testing and conducting research which helps them to gain knowledge to become entrepreneurs	2018-2019
709	Prefabricated Structures	318SEE03	M.E. SE	Skill Development-Prefabricated structures is the innovative construction practice and useful for placements	2019-2020
710	Pre-stressed Concrete	318SEE06	M.E. SE	Skill Development - This course enhances the skill set related to design of prestressed concrete structures.	2019-2020
711	Sub Structure Design	318SEE12	M.E. SE	Skill Development - This course helps to understand the concepts involved in design of substructures so that a structural engineer can interact with a geotechnical engineer which helps in project execution	2019-2020
712	Practical Training (4 Weeks)	318SEP01	M.E. SE	Entrepreneurship, Skill Development - Students will get experience in industry during this course which helps them to identify skill sets required to be developed so that they become employable	2019-2020
713	Seminar	318SEP02	M.E. SE	Skill Development - The course enhances the technical presentation and	2019-2020

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				documentation skills which aids in employability	
714	Project Work (Phase- I)	318SEP03	M.E. SE	Entrepreneurship, Skill Development - Students develop their skills in doing research or design and enhance their technical report writing and presentation	2019-2020
715	Project Work (Phase - II)	418SEP01	M.E. SE	Entrepreneurship, Skill Development - Students develop their skills in doing research or design and enhance their technical report writing and presentation	2019-2020
716	Project Work (Phase – I)	318VLP01	M.E. VLSI	Employability/Entrepreneurship/Skill Development-Develops the research skill on product development	2019-2020
717	Internship	318VLP02	M.E. VLSI	Employability - This course will enhance the students on technical paper writing and publication techniques.	2019-2020
718	System on Chip Design	318VLE07	M.E. VLSI	Employability - Students can work in VLSI industry to design and fabricate integrated circuits	2019-2020
719	Real Time Embedded Systems	318VLE15	M.E. VLSI	Skill development- The course give insight on the concepts of automotive embedded systems and to impart skills in developing models.	2019-2020
720	VLSI for Wireless Communication	318VLE16	M.E. VLSI	Employability/Skill Development- This course enhance the students in developing real time VLSI applications for wireless communication.	2019-2020
721	Project Work (Phase – II)	418VLP01	M.E. VLSI	Employability/Entrepreneurship/Skill Development-Develops the research skill on product development	2019-2020

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