

**Criterion 1 - Curricular Aspects**

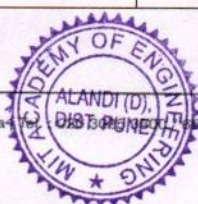
**1.1.3.1 Number of courses having focus on Employability / Entrepreneurship / Skill development year wise during the last five years**

**Total number of courses offered in last Five Years are -**

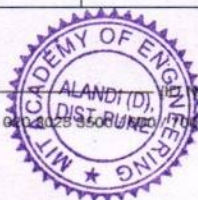
2021-22	2020-21	2019-20	2018-19	2017-18
55	69	122	78	41

**List of courses year wise**

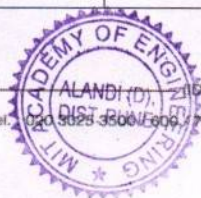
Name of the Course	Course Code	Year of introduction (during the last five years)	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development
Computing and Higher Mathematics	AS502	2017-18	To provide hands on experience to students about various aspects of engineering projects
Minor Project	CH213	2017-18	To provide hands on experience to students about various aspects of engineering projects
Material and Energy Balance	CH221	2017-18	To provide hands on experience to students about various aspects of engineering technologies
Database Management Systems	CS212	2017-18	Fundamental and compulsory course for improve employability skill
Minor Project	CS213	2017-18	To provide hands on experience to students about various aspects of engineering projects
Project Work - II	CS601	2017-18	To provide hands on experience to students about various aspects of engineering projects
Project Work - III	CS611	2017-18	To provide hands on experience to students about various aspects of engineering projects
Project Work - IV	CS621	2017-18	To provide hands on experience to students about various aspects of engineering projects



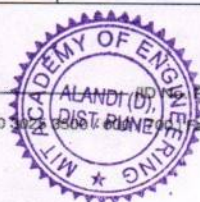
Information Retrieval	CS631	2017-18	Improve the skills in the field of employability
Computer Vision	CS632	2017-18	Improve the skills in the field of employability
Computer Vision	CS633	2017-18	Improve the skills in the field of employability
Network Security Techniques	CS634	2017-18	Improve the skills in the field of employability
Big Data Analytics	CS641	2017-18	Improve the skills in the field of employability
Big Data Analytics	CS641	2017-18	Improve the skills in the field of employability
Virtualization and Cloud Computing	CS642	2017-18	Improve the skills in the field of employability
Business Intelligence	CS642	2017-18	Improve the skills in the field of employability
Business Intelligence	CS643	2017-18	Improve the skills in the field of employability
Ad-hoc Wireless Network: Principle, Protocol and Applications	CS643	2017-18	Improve the skills in the field of employability
Prototyping	ET206	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Data Structures and Algorithms	ET214	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Minor Project	EX213	2017-18	To provide hands on experience to students about various aspects of engineering projects
Project Work - II	EX601	2017-18	To provide hands on experience to students about various aspects of engineering projects
Project Work - III	EX611	2017-18	To provide hands on experience to students about various aspects of engineering projects
Project Work - IV	EX621	2017-18	To provide hands on experience to students about various aspects of engineering projects
Embedded Network Design	EX631	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Distributed System	EX632	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Optimal Control	EX633	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Reconfigurable computing	EX643	2017-18	To provide hands on latest technology and keep updated on



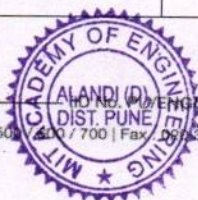
			recent technological skills
Psychology	HP201	2017-18	Improve the skills in the field of employability
Minor Project	IT213	2017-18	To provide hands on experience to students about variuos aspects of engineering projects
Project Work - II	ME601	2017-18	To provide hands on experience to students about variuos aspects of engineering projects
Project Work - III	ME611	2017-18	To provide hands on experience to students about variuos aspects of engineering projects
Project Work - IV	ME621	2017-18	To provide hands on experience to students about variuos aspects of engineering projects
Advances in IC engines	ME631	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Energy Conservation and Management	ME632	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Computational Fluid Dynamics	ME633	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Compressible Fluid flow and Gas Dynamics	ME634	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Advanced Air Conditioning and Refrigeration Technology	ME641	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Industrial Hydraulics and Pneumatics	ME642	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Cryogenics and Vacuum Technology	ME643	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Steam Engineering	ME644	2017-18	To provide hands on latest technology and keep updated on recent technological skills
Chemical Engineering Thermodynamics	CH301	2018-19	To provide hands on experience to students about variuos aspects of engineering technologies
Heat Transfer	CH302	2018-19	To provide hands on experience to students about variuos aspects of engineering technologies
Mass Transfer	CH303	2018-19	To provide hands on experience to students about variuos aspects of engineering technologies
Skill Development Lab 1	CH304	2018-19	To provide hands on experience to students about variuos aspects of



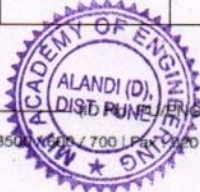
			engineering technologies
Separation Process	CH321	2018-19	To provide hands on experience to students about variuos aspects of engineering technologies
Chemical Reaction Engineering	CH322	2018-19	To provide hands on experience to students about variuos aspects of engineering technologies
Chemical Equipment Design	CH323	2018-19	To provide hands on experience to students about variuos aspects of engineering technologies
Mini Project	CH324	2018-19	To provide hands on experience to students about variuos aspects of engineering projects
Process Engineering	CH331	2018-19	To provide hands on experience to students about variuos aspects of engineering technologies
Piping Layout	CH332	2018-19	To provide hands on experience to students about variuos aspects of engineering technologies
Predictive Analytics	CS 331	2018-19	Fundamental and compulsory course for improve emplyobility skill
Operating System	CS301	2018-19	Improve the skills in the field of employability
Computer Organization & Architecture	CS302	2018-19	Improve the skills in the field of employability
Theory of Computation	CS303	2018-19	Improve the skills in the field of employability
Computer Graphics & Gaming	CS304	2018-19	Skill Development
Python with kali linux	CS305	2018-19	Skill Development
R Proramming	CS306	2018-19	Skill Development
Python for machine learning	CS307	2018-19	Skill Development
Descriptive Analytics	CS311	2018-19	Improve the skills in the field of employability
Artificial Intelligence and Neural Networks	CS312	2018-19	Improve the skills in the field of employability
Design and Analysis of Algorithm	CS321	2018-19	Improve the skills in the field of employability
Compiler Design	CS322	2018-19	Improve the skills in the field of employability
Computer Networks	CS323	2018-19	Skill Development
Mini Project	CS324	2018-19	To provide hands on experience to students about variuos aspects of engineering projects
Predictive Analytics	CS331	2018-19	Improve the skills in the field of employability
Machine Learning	CS332	2018-19	Improve the skills in the field of employability
Construction Planning & Management	CV311	2018-19	Improve the skills in the field of employability



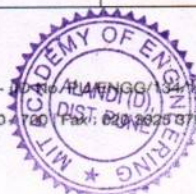
Design of Structures	CV321	2018-19	Improve the skills in the field of employability
Transportation Engineering	CV322	2018-19	Improve the skills in the field of employability
Water Resources Engineering	CV323	2018-19	Improve the skills in the field of employability
Mini Project	CV324	2018-19	To provide hands on experience to students about variuos aspects of engineering projects
Operation Research	CV331	2018-19	Improve the skills in the field of employability
Graphical Programming Lab	ET304	2018-19	To provide hands on latest technology and keep updated on recent technological skills
MATLAB	ET305	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Embedded System Programming	ET311	2018-19	To provide hands on latest technology and keep updated on recent technological skills
IoT Architecture and Sensors	ET312	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Digital Communication	ET321	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Digital Signal Processing	ET322	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Antenna Theory & Design	ET323	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Mini Project	ET324	2018-19	To provide hands on experience to students about variuos aspects of engineering projects
Embedded Processor	ET331	2018-19	To provide hands on latest technology and keep updated on recent technological skills
IoT Network & Protocols	ET332	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Embedded System Design	EX301	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Computer Network	EX303	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Embedded Linux	EX304	2018-19	To provide hands on latest technology and keep updated on recent technological skills



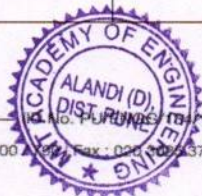
Fundamentals of Robotics	EX311	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Real Time Operating System	EX321	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Digital Signal Processing	EX322	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Power Electronics & Application	EX323	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Mini Project	EX324	2018-19	To provide hands on experience to students about variuos aspects of engineering projects
Kinematics and Dynamics	EX331	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Project Management	HP301	2018-19	Improve the skills in the field of employability
Professional Skills	HP302	2018-19	Improve the skills in the field of employability
Basics of Entrepreneurship	HP303	2018-19	Improve the skills in the field of employability
Computability Theory	IT301	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Operating System	IT302	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Web Technology	IT303	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Cryptography and System Security	IT311	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Computational Intelligence	IT321	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Cloud Services and Applications	IT322	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Mobile Application Development	IT323	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Mini Project	IT324	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Cyber Security	IT331	2018-19	To provide hands on latest technology and keep updated on



			recent technological skills
Machine Design	ME301	2018-19	Improve the skills in the field of employability
Machines & Mechanisms	ME302	2018-19	Improve the skills in the field of employability
Heat Transfer	ME303	2018-19	Improve the skills in the field of employability
Skill Development Lab (Autodesk Inventor)	ME304	2018-19	Improve the skills in the field of employability
Skill Development Lab (CATIA)	ME305	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Geometric Modeling & Design	ME311	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Fundamentals of Robotics	ME312	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Work Process Assessment	ME313	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Turbomachines	ME321	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Quality Assurance	ME322	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Operations Research	ME323	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Mini Project	ME324	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Finite Element Analysis	ME331	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Kinematics & Dynamics of Robots	ME332	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Facility Planning & Design	ME333	2018-19	To provide hands on latest technology and keep updated on recent technological skills
Process Dynamics, Control & Instrumentation	CH401	2019-20	To provide hands on experience to students about variuos aspects of engineering technologies
Skill Development Lab 2	CH402	2019-20	To provide hands on experience to students about variuos aspects of engineering technologies
Major Project - I	CH403	2019-20	To provide hands on experience to students about variuos aspects of

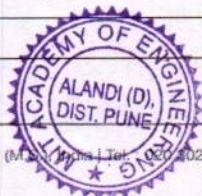


			engineering projects
Summer Internship	CH404	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Introduction to Paint Technology	CH411	2019-20	Fundamental and compulsory course for improve emplyobility skill
Energy Engineering	CH412	2019-20	Fundamental and compulsory course for improve emplyobility skill
Petroleum Refining Technology	CH413	2019-20	Fundamental and compulsory course for improve emplyobility skill
Biochemical Engineering	CH414	2019-20	Fundamental and compulsory course for improve emplyobility skill
Environment Engineering	CH415	2019-20	Fundamental and compulsory course for improve emplyobility skill
Process Optimization	CH421	2019-20	Fundamental and compulsory course for improve emplyobility skill
Piping Design and Engineering	CH422	2019-20	Fundamental and compulsory course for improve emplyobility skill
Chemical Process Technology	CH431	2019-20	Fundamental and compulsory course for improve emplyobility skill
Major Project - II	CH432	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Paint Manufacturing Process	CH441	2019-20	Fundamental and compulsory course for improve emplyobility skill
Energy Management and Audit	CH442	2019-20	Fundamental and compulsory course for improve emplyobility skill
Petrochemical Engineering	CH443	2019-20	Fundamental and compulsory course for improve emplyobility skill
Bioprocess Technology	CH444	2019-20	Fundamental and compulsory course for improve emplyobility skill
Chemical Process Safety	CH445	2019-20	Fundamental and compulsory course for improve emplyobility skill
Process Intenssification and Integration	CH451	2019-20	Fundamental and compulsory course for improve emplyobility skill
Pipeline Engineering	CH452	2019-20	Fundamental and compulsory course for improve emplyobility skill
Logic Development-C Programming	CS101	2019-20	Fundamental and compulsory course for improve emplyobility skill
Applications Programming - Python	CS102	2019-20	Fundamental and compulsory course for improve emplyobility skill
Software Engineering, Testing and Quality Assurance.	CS401	2019-20	Skill Development
R Programming	CS402	2019-20	Skill Development
Python with kali Linux	Cs403	2019-20	Skill Development
Adv. Java	Cs404	2019-20	Skill Development
Project – I	CS405	2019-20	To provide hands on experience to students about variuos aspects of engineering projects

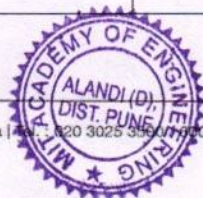




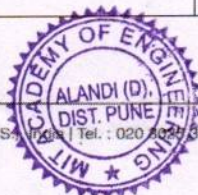
Summer Internship	CS406	2019-20	Skill Development
Operating System Design	CS411	2019-20	Improve the skills in the field of employability
Wireless and Mobile Network	CS412	2019-20	Improve the skills in the field of employability
Information Retrieval	CS413	2019-20	Improve the skills in the field of employability
Big data Analytics	CS421	2019-20	Improve the skills in the field of employability
Deep Learning	CS422	2019-20	Improve the skills in the field of employability
Human Computer Interaction	CS431	2019-20	Skill Development
Project - II	CS432	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Distributed System	CS441	2019-20	Improve the skills in the field of employability
Ubiquitous Systems	CS442	2019-20	Improve the skills in the field of employability
Cloud & Virtualization	CS443	2019-20	Improve the skills in the field of employability
Practitioner's approach for data analytics	CS451	2019-20	Improve the skills in the field of employability
Pattern Recognition	CS452	2019-20	Improve the skills in the field of employability
Applied mechanics	CV102	2019-20	Improve the skills in the field of employability
Drinking Water & Sanitary Engineering	CV401	2019-20	Improve the skills in the field of employability
Project – I	CV402	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Urban & Town Planning	CV403	2019-20	Improve the skills in the field of employability
Summer Internship	CV404	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Building Services	CV411	2019-20	Improve the skills in the field of employability
Advanced Design of Structures	CV412	2019-20	Improve the skills in the field of employability
Railway Engineering	CV413	2019-20	Improve the skills in the field of employability
Hydro Power Engineering	CV414	2019-20	Improve the skills in the field of employability
Financial Management	CV421	2019-20	Improve the skills in the field of employability
Estimation & Costing	CV431	2019-20	Improve the skills in the field of employability
Project - II	CV432	2019-20	To provide hands on experience to



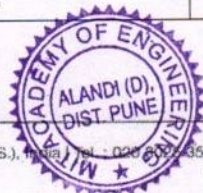
			students about various aspects of engineering projects
Foundation Engineering	CV441	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Engineering Geology	CV442	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Design of Hydraulic Structures	CV443	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Air & Noise Pollution and Control measures	CV444	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Advances in Geospatial Engineering	CV445	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Operation Research	CV451	2019-20	To provide hands on latest technology and keep updated on recent technological skills
VLSI Design	ET401	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Project – I	ET402	2019-20	To provide hands on experience to students about various aspects of engineering projects
Programming in Java	ET403	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Summer Internship	ET404	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Digital Image Processing	ET411	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Microwave Engineering	ET412	2019-20	To provide hands on latest technology and keep updated on recent technological skills
RISC Processors	ET413	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Machine Learning	ET414	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Low-Power SoC Architecture & Applications	ET421	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Privacy and Security in IoT	ET422	2019-20	To provide hands on latest technology and keep updated on recent technological skills



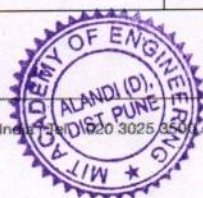
Advanced Communication Systems	ET431	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Project – II	ET432	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Artificial Intelligence	ET442	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Wireless Sensor Network	ET443	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Speech Signal Processing	ET444	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Real-Time Embedded System	ET451	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Energy Management for IoT Devices	ET452	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Electrical and Electronics Engineering	EX102	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Project –I	EX402	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Summer Internship	EX404	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Electronic Drives and Applications	EX413	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Robotics Vision	EX421	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Consumer Electronics	EX431	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Project –II	EX432	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Biomedical Engineering	EX441	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Intelligent and High Performance Robotics	EX451	2019-20	To provide hands on latest technology and keep updated on recent technological skills
German	HP103	2019-20	For communication skill development



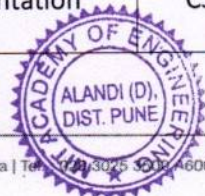
Japanese	HP104	2019-20	For communication skill development
Indian Constitution	HP105	2019-20	Improve the skills in the field of employability
Indian Constitution	HP106	2019-20	Improve the skills in the field of employability
Engineering Economics	HP401	2019-20	Improve the skills in the field of employability
Sociology	HP402	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Business Strategies	HP403	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Project – I	IT402	2019-20	To provide hands on experience to students about various aspects of engineering projects
Operating System Administration	IT411	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Ethical hacking & cyber laws/	IT421	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Project - II	IT432	2019-20	To provide hands on experience to students about various aspects of engineering projects
IoT and Wireless Sensor Network	IT442	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Computer Graphics & Multimedia Techniques	IT443	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Digital forensics	IT451	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Experimental Tools & techniques	ME105	2019-20	Improve the skills in the field of employability
Design Thinking	ME106	2019-20	Improve the skills in the field of employability
Heating Ventilation & Air Conditioning	ME401	2019-20	To provide hands on latest technology and keep updated on recent technological skills
Project – I	ME402	2019-20	To provide hands on experience to students about various aspects of engineering projects
Piping Design	ME403	2019-20	Focus on entrepreneurship
Six Sigma	ME404	2019-20	Focus on entrepreneurship
Energy Audit	ME405	2019-20	Focus on entrepreneurship
Summer Internship	ME406	2019-20	Focus on entrepreneurship



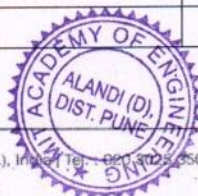
Mechatronics	ME411	2019-20	Focus on entrepreneurship
Pressure Vessel Design	ME412	2019-20	Focus on entrepreneurship
Power Plant Engineering	ME413	2019-20	Focus on entrepreneurship
Product Lifecycle Management	ME414	2019-20	Focus on entrepreneurship
Computational Fluid Dynamics	ME421	2019-20	Focus on entrepreneurship
Robotics Vision and Control	ME422	2019-20	Focus on entrepreneurship
Operations Management	ME423	2019-20	Focus on entrepreneurship
Noise Vibration & Harshness	ME431	2019-20	Focus on entrepreneurship
Project – II	ME432	2019-20	To provide hands on experience to students about variuos aspects of engineering projects
Hydraulics & Pneumatics	ME441	2019-20	Focus on entrepreneurship
Mechanical System Design	ME442	2019-20	Focus on entrepreneurship
Non-Conventional Machining	ME443	2019-20	Focus on entrepreneurship
Enterprise Resource Planning	ME444	2019-20	Focus on entrepreneurship
Advanced Engineering Analysis	ME451	2019-20	Focus on entrepreneurship
Intelligent and High Performance Robotics	ME452	2019-20	Focus on entrepreneurship
Supply Chain Management	ME453	2019-20	Focus on entrepreneurship
Representation Techniques: Free hand Drawing colours	21FD101	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Colour	21FD102	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Applied Design Drawing: Technical	21FD103	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Model Making-I: Soft Material	21FD104	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Form Space & Structure-I	21FD105	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Society,Environment&Culture(IDS)- I	21FD106	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Design Evolution: Design History	21FD107	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
DigitalTools: Digital Drawing	21FD201	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Form Space & Structure- II	21FD202	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Technologies in Design: Material & Process	21FD203	2020-21	To improve the skills of design, which is helpful in enhancing



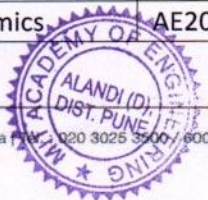
			students skill in design thinking
Design Thinking:– Problem Identification /Analysis/Solving	21FD204	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Model Making:II (Hard Material)	21FD205	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Society/Culture/Environment (IDS)- II	21FD206	2020-21	To improve the skills of design, which is helpful in enhancing students skill in design thinking
Inorganic and analytical chemistry	CH222	2020-21	To provide hands on experience to students about various aspects of engineering technologies
Momentum Transfer	CH223	2020-21	To provide hands on experience to students about various aspects of engineering technologies
Chemical Engineering Thermodynamics	CH224	2020-21	To provide hands on experience to students about various aspects of engineering technologies
Minor Project Design	CH230	2020-21	To provide hands on experience to students about various aspects of engineering projects
Heat Transfer	CH231	2020-21	To provide hands on experience to students about various aspects of engineering technologies
Advance chemistry	CH232	2020-21	To provide hands on experience to students about various aspects of engineering technologies
Mass Transfer	CH233	2020-21	To provide hands on experience to students about various aspects of engineering technologies
Minor Project Implementation	CH240	2020-21	To provide hands on experience to students about various aspects of engineering projects
Data Structures	CS221	2020-21	Fundamental and compulsory course for improve employability skill
Discrete Structure and graph Theory	CS222	2020-21	Fundamental and compulsory course for improve employability skill
Computer Graphics	CS223	2020-21	Fundamental and compulsory course for improve employability skill
Programming lab	CS224	2020-21	Fundamental and compulsory course for improve employability skill
Advanced Data Structure	CS228	2020-21	Fundamental and compulsory course for improve employability skill
Minor Project Design	CS230	2020-21	To provide hands on experience to students about various aspects of engineering projects
Minor Project Implementation	CS240	2020-21	To provide hands on experience to students about various aspects of engineering projects



Management System	CS531	2020-21	Improve the skills in the field of employability
Modern Technologies	CS532	2020-21	Improve the skills in the field of employability
Advanced Data Structure & Algorithms	CS541	2020-21	Improve the skills in the field of employability
IoT Technology and Applications	CS542	2020-21	Improve the skills in the field of employability
Machine Learning	CS543	2020-21	Improve the skills in the field of employability
Cloud Application Development and Management	CS544	2020-21	Improve the skills in the field of employability
Project Work – I	CS545	2020-21	To provide hands on experience to students about variuos aspects of engineering projects
Environmental Sciences	CV203	2020-21	Improve the skills in the field of employability
Geotechnical Engineering	CV204	2020-21	Improve the skills in the field of employability
Building Design & Construction	CV205	2020-21	Improve the skills in the field of employability
Mechanics of Solids	CV206	2020-21	Improve the skills in the field of employability
Minor Project	CV213	2020-21	To provide hands on experience to students about variuos aspects of engineering projects
Mechanics of fluids	CV214	2020-21	Improve the skills in the field of employability
Geospatial Engineering	CV215	2020-21	Improve the skills in the field of employability
Structural Analysis	CV216	2020-21	Improve the skills in the field of employability
Minor Project Design	CV230	2020-21	To provide hands on experience to students about variuos aspects of engineering projects
Skill Development Course MS Excel	CV231	2020-21	Improve the skills in the field of employability
Skill Development Course Revit	CV232	2020-21	Improve the skills in the field of employability
Minor Project Implementation	CV240	2020-21	Improve the skills in the field of employability
Digital Prototyping	ET224	2020-21	To provide hands on latest technology and keep updated on recent technological skills
Skill Development Course Data Structures & Algorithms	ET226	2020-21	To provide hands on latest technology and keep updated on recent technological skills
Minor Project I	ET230	2020-21	To provide hands on experience to

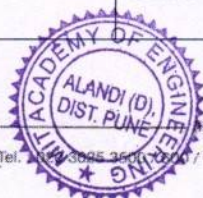


			students about various aspects of engineering projects
Rapid Prototyping	ET235	2020-21	To provide hands on latest technology and keep updated on recent technological skills
Minor Project II	ET240	2020-21	To provide hands on experience to students about various aspects of engineering projects
Modern Technologies	EX532	2020-21	To provide hands on latest technology and keep updated on recent technological skills
Technical Writing	EX533	2020-21	To provide hands on latest technology and keep updated on recent technological skills
Advance Embedded Architecture & Processor	EX541	2020-21	To provide hands on latest technology and keep updated on recent technological skills
Project Work - I	EX545	2020-21	To provide hands on experience to students about various aspects of engineering projects
Professional Communication	HP202	2020-21	Improve the skills in the field of employability
Liberal Learning	HP203	2020-21	Improve the skills in the field of employability
Material Engineering	ME221	2020-21	Improve the skills in the field of employability
Minor Project- Design	ME230	2020-21	Improve the skills in the field of employability
Manufacturing Technology	ME233	2020-21	Improve the skills in the field of employability
Minor Project- Implementation	ME240	2020-21	Improve the skills in the field of employability
Skill Development Course 1 (Industrial Measurements & Instrumentation)	ME241	2020-21	Improve the skills in the field of employability
Modern Technologies	ME532	2020-21	Focus on entrepreneurship
Advanced Thermodynamics and Combustion Technology	ME541	2020-21	Focus on entrepreneurship
Advanced Heat Transfer	ME542	2020-21	Focus on entrepreneurship
Advanced Fluid Mechanics	ME543	2020-21	Focus on entrepreneurship
Design of Heat Transfer Equipment's	ME544	2020-21	Focus on entrepreneurship
Project Work - I	ME545	2020-21	To provide hands on experience to students about various aspects of engineering projects
IDS - Folk arts	AE20CD307	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Introduction to Ergonomics	AE20PD304	2021-22	To provide hands on latest

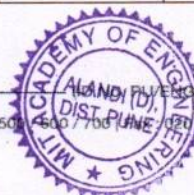




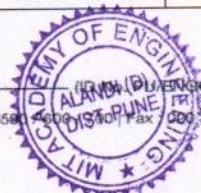
			technology and keep updated on recent technological skills
How things work (Products, systems & services - understanding everyday science)	AE20PD403	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Introduction to Ergonomics	AE20UX303	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Overview to Software Design Process & Modelling	AE20UX305	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Cognitive Ergonomics: Tools & Techniques	AE20UX402	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Trends in Interactive Technologies	AE20UX404	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Photography + Digital image making	DS 20CD403	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Packaging design	DS 20CD404	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Design Project- Redesign	DS 20CD405	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Design Drawing-Mediums & techniques	DS20CD301	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Communication theory & media studies	DS20CD303	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Graphic composition & layouts/color –basics & color palettes	DS20CD305	2021-22	To provide hands on latest technology and keep updated on recent technological skills
SPD - Design method	DS20CD306	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Advance digital tools	DS20CD402	2021-22	To provide hands on latest technology and keep updated on recent technological skills
UI-UX fundamentals	DS20CD406	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Form Studies 1: Ralii Manipulation (form exploration/mock-up making)	DS20PD302	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Materials & Processes + Advance mfg.	DS20PD305	2021-22	To provide hands on latest technology and keep updated on recent technological skills



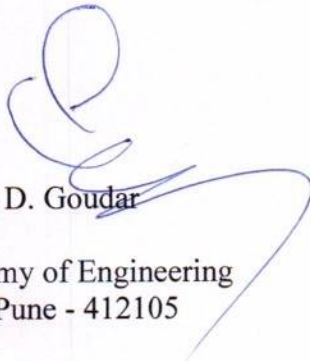
Design Project 1- Simple Product Design SPD (Research methods included here)	DS20PD306	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Form Studies 2: Form Transition (form exploration in foam/mock-up making)	DS20PD402	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Design Project 2: Human-Product Interface (visual and organizational ergonomics)	DS20PD405	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Fundamentals of User Centred Design	DS20UX302	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Introduction to Interaction Design	DS20UX304	2021-22	To provide hands on latest technology and keep updated on recent technological skills
User Experience Design Methods	DS20UX401	2021-22	To provide hands on latest technology and keep updated on recent technological skills
User Study	DS20UX403	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Task Analysis & System Visualization	DS20UX405	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Project Work - II	EX651	2021-22	To provide hands on experience to students about various aspects of engineering projects
Project Work - III	EX652	2021-22	To provide hands on experience to students about various aspects of engineering projects
Project Work - IV	EX653	2021-22	To provide hands on experience to students about various aspects of engineering projects
Computer Vision	EX661	2021-22	To provide hands on latest technology and keep updated on recent technological skills
ASIC Design	EX662	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Internet of Things	EX671	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Hybrid and Electric Vehicle	EX672	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Project Work - II	ME651	2021-22	To provide hands on experience to students about various aspects of engineering projects
Project Work - III	ME652	2021-22	To provide hands on experience to students about various aspects of

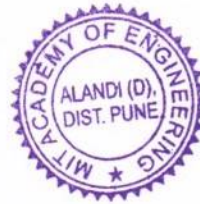


			engineering projects
Project Work - IV	ME653	2021-22	To provide hands on experience to students about variuos aspects of engineering projects
Advances in IC Engines	ME661	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Energy Conservation and Management	ME662	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Computational Fluid Dynamics	ME663	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Compressible Fluid flow and Gas Dynamics	ME664	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Advanced Air Conditioning and Refrigeration Technology	ME671	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Industrial Hydraulics and Pneumatics	ME672	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Cryogenics and Vacuum Technology	ME673	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Steam Engineering	ME674	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Digital tools – PS, Illustrator, InDesign	SE20CD302	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Typography / Calligraphy	SE20CD304	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Digital illustration	SE20CD401	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Design Drawing (product sketching & renderings)	SE20PD301	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Digital tools (CAID)- intro to CAID tools (Rhinceros 3D modelling)	SE20PD303	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Design Drawing – <b>Digital</b> : sketching & Rendering Techniques (Wacom)	SE20PD401	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Workshop techniques: Material explorations & Model making skills	SE20PD404	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Digital tools: CAID & Digital 3D	SE20PD406	2021-22	To provide hands on latest



rendering			technology and keep updated on recent technological skills
Illustration for Digital Products	SE20UX301	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Digital Tools for UX & Typography	SE20UX306	2021-22	To provide hands on latest technology and keep updated on recent technological skills
Tools for UXD – Photography & visual communication	SE20UX406	2021-22	To provide hands on latest technology and keep updated on recent technological skills

  
Dr. Mahesh D. Goudar  
Director  
MIT Academy of Engineering  
Alandi (D) Pune - 412105



**DIRECTOR**  
MIT Academy of Engineering  
Alandi (D.), Pune-412 105.