



%!&%

Gi ddcfh|b| '8cWa YbhgË'A YWUb|W

9b| |bYf|b| '

@|ghcZBYk '7ci fgYg=bf cXi WX

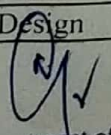
List of new courses introduced during the last five years

Name of Department: Mechanical Engg.

Sr. No	Program	Subject Code	Subject Name
1	B.Tech	BTME301-18	Fluid Mechanics
2	B.Tech	BTME302-18	Theory of Machines -I
3	B.Tech	BTME303-18	Machine Drawing
4	B.Tech	BYME304-18	Strength of Materials -I
5	B.Tech	BTEC305-18	Basic Electronics Engineering
6	B.Tech	BTME305-18	Basic Thermodynamics
7	B.Tech	BTME401-18	Applied Thermodynamics
8	B.Tech	BTME402-18	Fluid Mechanics
9	B.Tech	BTME403-18	Strength of Materials -II
10	B.Tech	BTME404-18	Materials Engineering
11	B.Tech	BTME405-18	Theory of Machines -II
12	B.Tech	EVSC101-18	Environmental Science
13	B.Tech	BTME501-18	Heat Transfer
14	B.Tech	BTME502-18	Design of Machine Elements
15	B.Tech	BTME503-18	Manufacturing Processes
16	B.Tech	BTME504-18	Management and Engineering Economics
17	B.Tech	BTMC102-18	Essence of Indian Knowledge Tradition
18	B.Tech	BTME601-18	Refrigeration and Air Conditioning
19	B.Tech	BTME602-18	Mechanical Measurements and metrology
20	B.Tech	BTME603-18	Automobile Engineering
21	B.Tech	BTME604-18	Introduction to Industrial Management
22	B.Tech	BTME701-18	Mechanical Vibrations
23	B.Tech	BTME702-18	Automation in Engineering
24	B.Tech	BTME703-18	Fundamentals of Management for Engineers
25	B.Tech	BTME609-18	Internal Combustion Engines
26	B.Tech	BTME610-18	Mechatronics Systems
27	B.Tech	BTME611-18	Microprocessors in Automation
28	B.Tech	BTME612-18	Composite Materials
29	B.Tech	BTME613-18	Computer Aided Design
30	B.Tech	BTME614-18	Product Design & Development
31	B.Tech	BTME615-18	Non-conventional Energy Resources
32	B.Tech	BTME616-18	Operation Research
33	B.Tech	BTME617-18	Maintenance & Reliability
34	M.Tech	MTME-101	Advanced Engineering Materials
35	M.Tech	MTME-102	Finite Element Analysis
36	M.Tech	MTME-103	Advanced Design of Mechanical Systems
37	M.Tech	MTME-104	Operation Management
38	M.Tech	MTME-105	Advanced Thermodynamics
39	M.Tech	MTME-201	Research Methodology
40	M.Tech	MTME-202	Tribology
41	M.Tech	MTME-203	Modern Manufacturing Processes
42	M.Tech	MTME-204	Computational Fluid Dynamics
43	M.Tech	MTME-205	Advanced Welding Technology
44	M.Tech	MTME-206	Automation and Robotics
45	M.Tech	MTME-207	Advanced Material Characterization

Head
Department of Mechanical Engineering
I.K. Gujral Punjab Technical University
(Main Campus) Kapurthala

46	M.Tech	MTME-208	Rapid Prototyping
47	M.Tech	MTME-209	Advanced Metal Cutting
48	M.Tech	MTME-210	Advanced Casting Processes
49	M.Tech	MTME-211	Maintenance and Reliability Engineering
50	M.Tech	MTME-212	Supply Chain Management
51	M.Tech	MTME-213	Product Design and Development
52	M.Tech	MTME-214	Engineering Design Optimization
53	M.Tech	MTME-215	Advanced Vibration Engineering
54	M.Tech	MTME-216	Mechatronics
55	M.Tech	MTME-217	Dynamics of Rotating Machines
56	M.Tech	MTME-218	Experimental Stress Analysis
57	M.Tech	MTME-219	Sustainable Design and Manufacturing
58	M.Tech	MTME-220	Vibration and Noise Control
59	M.Tech	MTME-221	Composite Materials
60	M.Tech	MTME-222	Instrumentation and Control Engineering
61	M.Tech	MTME-223	Advanced Internal Combustion Engines
62	M.Tech	MTME-224	Design of Steam Turbines
63	M.Tech	MTME-225	Convective Heat Transfer
64	M.Tech	MTME-226	Combustion Engineering
65	M.Tech	MTME-227	Conductive & Radiative Heat Transfer
66	M.Tech	MTME-228	Solar Energy Utilization
67	M.Tech	MTME-229	Design of HVAC systems
68	M.Tech	MTME-230	Design and optimization of Thermal Systems
69	M.Tech	MTME-231	Advanced Heat & Mass Transfer
70	M.Tech	MTME-301	Project
71	M.Tech	MTME-302	Seminar
72	M.Tech	MTME-401	Dissertation
73	Ph.D	N/A	Research Methodology
74	Ph.D	N/A	Advanced Heat Transfer
75	Ph.D	N/A	Non-conventional Machining
76	Ph.D	N/A	Advanced Fluid Mechanics and CFD
77	Ph.D	N/A	Finite Element Methods
78	Ph.D	N/A	Composite materials
79	Ph.D	N/A	Optimization Techniques
80	Ph.D	N/A	Computer Aided Design
81	Ph.D	N/A	Advanced Theory of Vibrations
82	Ph.D	N/A	Tribology
83	Ph.D	N/A	Thermo economics and power plants
84	Ph.D	N/A	Advanced Thermodynamics
85	Ph.D	N/A	Presentation
86	Ph.D	N/A	Production Engineering
87	Ph.D	N/A	Advanced Mechanics of Solids
88	Ph.D	N/A	Mechatronics
89	Ph.D	N/A	Product Design and Development
90	Ph.D	N/A	Material Handling equipment Design


 Head
 Department of Mechanical Engineering
 I.K. Gujral Punjab Technical University
 (Main Campus) Kapurthala