NOTICE

Regarding allocation of Final Year B.Tech. Project (ME- 491) for the session 2017-18

The tentative titles of the proposed B.Tech. Projects for the session 2017-18, are being displayed on the departmental notice board and on the departmental web page (http://www.amu.ac.in/shownotice.jsp?did=34).

All the students of B.Tech. (VI Sem., Mechanical Engg.), are advised to form a group of minimum two (02) and maximum three (03) students. Every Group is advised to select three proposed titles from the list of floated titles in their order of preference and submit their choice to the undersigned on or before **15.5.2017**. Every group should clearly mention the name & faculty number of group members along with the CPI of every students of the group and three tentative titles in the order of preference to the undersigned.

(Dr. Arshad Hussain Khan)
Co-ordinator B.Tech. Project
Mech. Engg. Dept.

Copy to:

- The Chairman, Dept. of Mech. Engg., AMU for necessary information
- Departmental Notice Board
- Notice Board, Main Building
- Departmental web page

List of B.Tech. (Final Year- Mechanical Engg.) Project (ME-491)Floated in 2017-18

S. No.	Title
1	Complexity and turbulence: An exploration/ Complexity and mystery of scaling in physical and biological systems
2	Muscle powered energy harvesting system/ Agricultural Bio waste based acoustic material
3	Energy Harvesting using PV-Thermal system
4	Numerical Simulation of flow between flexible plates/ Numerical Simulation of blood flow in arteries/Numerical Simulation of Flow around Aerostats
5	Flow past bluff bodies
6	Developing water filtration technology using plant xylem. (Experimental)/Designing a split and recombine based passive micromixer (Numerical using CFD, ANSYS)
7	Control of suddenly expanded flow for area ratio/ Experimental studies on low speed c-d nozzle flows with sudden expansion/Control of suddenly expanded flows with Micro-Jets
8	Development of 3D parallel code for computing of compressible boundary layers
9	Design optimization of Wind Turbine Blades
10	Flow dynamics in an abdominal aortic aneurysm
11	Pneumatic system for lower limb rehabilitation
12	Ergonomic design of tools/ Safe tyre pressure detection mechanism
13	Fabrication of furnace/ Fabrication of die for making washer through PM route
14	Modeling Analysis of a Manufacturing System.
15	Simulation of a Manufacturing Systems.
16	To develop part programs on CNC Lathe Machine
17	Manufacturing Systems/ Non-Conventional Machining
18	Surface modifcation by non conventioanl manufacturing process/Drilling- sintering of composite thorugh microwave energy/Simulation of cold spray metal process
19	Experimental and Numerical studies of heat transfer from arrays of fins
20	Air conditioning design of a multi storey building/Thermal performance of a passive building
21	Performance Improvement of an Small Capacity Air Conditioning System Using Water Cooled condenser: Experimental Investigation/ Fabrication of Adiabatic Saturator for the measurement of humidity

22	Studies on Solar Thermal Device
23	Air Pollution Control
24	Droplet and spray combustion modelling
25	Power Plant
26	Spray combustion simulation
27	Numerical Investigation of the Effect of Magnetic Field during Natural Convection in a Vertical Annulus/ Computational modeling of Gas Mixing in a Tank
28	Experimental study of ignition and combustion characteristics various of dieseline sprays under supercritical conditions.
29	Study of Thermal Contact Conductance at the interface of two bodies/ Study of Thermal performance of passive houses.
30	Design and analysis of Mechanical Systems.
31	Design of Machine Elements
32	Dynamic Modelling and Simulation of Mechanical System
33	Design of a Mechanical System
34	Ergonomic Design
35	Optimal Design of Machine Members
36	Design and development of a miniature wind turbine for energy harvest/ Design and development of a miniature contour milling machine.
37	Analysis of Bending Actuator
38	Numerical analysis of effective properties of composites
39	Design and analysis of manually operated paper recycling machine/Design and fabrication of an integrated homemade wind mill with solar panel.
40	Condition Monitoring of Bearings