



ENGINEERING COLLEGE, AJMER
Department of Mechanical Engineering
(Accredited from NBA, New Delhi)

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Ref. No.: ECA/ME/2023/315

Date: 24/04/2023


Office Order

Schedule of Mid-Term Evaluation of B. Tech. VIII Semester Project

| Group No. | Technical Area of Project | Type of Project | Proposed Project Title | Time Slot |
|-----------------------------|---------------------------|----------------------------------|---|------------------|
| Tuesday 25/04/2023 | | | | |
| G-1 | Production Engineering | Fabrication | Auto Tyre Pressure Inflation System | |
| G-2 | Production Engineering | Fabrication and analytical study | Development of computerized control hybrid machining setup for the fabrication of micro fluidic channel and experimental investigation using advanced optimization techniques | |
| G-3 | Production Engineering | Fabrication and analytical study | 3-D profile cutting using computerized control setup of abrasive jet machining. In parametric optimization using nature inspired algorithm. | 2:00PM to 4:00PM |
| G-4 | Thermal Engineering | Fabrication and analytical study | M-Cycle Based Evaporative Cooler. | |
| G-5 | Automation Engineering | Fabrication and analytical study | Portable Air Purifier and Quality Analyser | |
| Wednesday 26/04/2023 | | | | |
| G-6 | Automation Engineering | Fabrication | Fabrication of electric stair climbing forklift | |
| G-7 | Thermal Engineering | Analytical study | Optimization of thermal performance evaluation of printed circuit heat exchanger | |
| G-8 | Production Engineering | Analytical study | Maximizing fill rate and minimizing cost of a retailer inventory system | 2:00PM to 4:00PM |
| G-9 | Production Engineering | Fabrication and analytical study | Vibration Analysis of Bearing | |
| G-10 | Thermal Engineering | Fabrication and analytical study | Development of High Temperature Steam Cooking test facility | |
| G-11 | Production Engineering | Fabrication and analytical study | AI powered Conveyor Sorting system | |
| Thursday 27/04/2023 | | | | |
| G-12 | Design Engineering | Fabrication and analytical study | Mecha-Alli | |
| G-13 | Production Engineering | Fabrication | Development of 3D printer based on Fuse Deposition Technique | |
| G-14 | Design Engineering | Analytical study | Failure analysis of machine part | 2:00PM to 4:00PM |
| G-15 | Production Engineering | Analytical study | Survey and Analysis of Palra Industrial Area, Ajmer | |
| G-16 | Thermal Engineering | Fabrication and analytical study | Desiccant Wheel | |


Venue: NB-216

Note: Concern group presentation (in PPT format) should be mailed at tarunaseri@ecajmer.ac.in on and before 12:00 Noon on their schedule day.


(Dr. Alok Khatri)
Project Coordinator



(Dr. Tarun K. Aseri)


(Dr. Alok Khatri)
HOD

Copy to: (Through Website)

- (1) Principal for Kind Information
- (2) All concern faculty members & students
- (3) Guard File