**DETAILS OF THE COURSE**

| Course Code | Course Title | Credits | Lecture | Tutorial | Practical |
|---|---|---|---|---|---|
| 22MEO401 | **Training Seminar** | **2** | **0** | **0** | **4** |

**PRE- REQUISITE**

**Nil**

**COURSE OUTCOMES**

| CO1 | To develop understanding related to the working of any mechanical engineering domain industry. |
|---|---|
| CO2 | To be able to select any industrial problem and work on the problem. |
| CO3 | To be able to relate the courses studied with the industrial setup. |
| CO4 | To be able to compile the observations/ learning during training in the form of a report and present. |

**COURSE CONTENTS**

**Format of the Training Seminar Report**

- Title
- Certification
- Introduction
- Literature Review
  - Research Gaps
  - Objectives
- Solving Objective-1
- Solving Objective-2
------
- Conclusions and Future Scope
- References

**Format of the Presentation**

- Title
- Certification
- Introduction
- Literature Review
  - Research Gaps
  - Objectives
- Solving Objective-1
- Solving Objective-2
------
- Conclusions and Future Scope
- References

**RECOMMENDED READINGS**

1. https://www.djkasiagroup.com/business/ai.html?gclid=EAIaIQobChMImp7E0uSy_gIVAT8rCh1d1QgMEAAYAiAAEgJcovD_BwE
2. https://www.simplilearn.com/growing-role-of-ai-in-manufacturing-industry-article

**DETAILS OF THE COURSE**

| Course Code | Course Title | Credits | Lecture | Tutorial | Practical |
|---|---|---|---|---|---|
| 22MEW402 | **Minor  Project** | **3** | **0** | **0** | **6** |

**PRE- REQUISITE**

Knowledge of computational or experimental courses required to computable the objectives of project

**COURSE OUTCOMES**

| CO-1 | To be able to identify  industrial and societal problems |
|---|---|
| CO-2 | To learn the method of conducting literature review |
| CO-3 | To acquire skills for identification of problem solving tools and methods |
| CO-4 | To learn the concept documentation and develop critical thinking on the chosen problem |

**Few Examples of Mini Project Topics based on past Projects: -**

- Developing solutions for CTEV (Clubfoot ) affected patients.
- Bottlenecks problems for implementation of  industry 4.0
- Design Enhancement and Automation of Sanitary Waste Incinerator
- Design Improvement of Linkage of Tractor Seat
- Design of Hydraulic operated wheel chair for standing assistance
- Design and Fabricate green house dryer assisted with tube type absorber

**RECOMMENDED READINGS**

1. https://www.djkasiagroup.com/business/ai.html?gclid=EAIaIQobChMImp7E0uSy_gIVAT8rCh1d1QgMEAAYAiAAEgJcovD_BwE
2. https://www.simplilearn.com/growing-role-of-ai-in-manufacturing-industry-article