

## Annexure – III

**Suggested Rubric for Assessment of Micro Project**

(The marks may be allotted to the characteristics of the Micro Project by considering the suggested rubrics )

| S. No | Characteristic to be assessed                           | Poor ( Marks 1-3 )                                                                                                             | Average ( Marks 4 - 5 )                                                                                                                                                  | Good ( Marks 6 - 8 )                                                                                                                                                    | Excellent ( Marks 9- 10 )                                                                                                                                                  |
|-------|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | <b>Relevance to the course</b>                          | Related to very few LOs                                                                                                        | Related to some Los                                                                                                                                                      | Addressed at-least one CO                                                                                                                                               | Addressed more than one CO                                                                                                                                                 |
| 2     | <b>Literature Review/information collection</b>         | Not more than two sources (primary and secondary), very old reference                                                          | At-least 5 relevant sources, at least 2 latest                                                                                                                           | At –least 7 relevant sources, most latest                                                                                                                               | About 10 relevant sources, most latest                                                                                                                                     |
| 3     | <b>Completion of the Target as per project proposal</b> | Completed less than 50%                                                                                                        | Completed 50 to 60%                                                                                                                                                      | Completed 60 to 80%                                                                                                                                                     | Completed more than 80 %                                                                                                                                                   |
| 4     | <b>Analysis of Data and representation</b>              | Sample Size small, data neither organized nor presented well                                                                   | Sufficient and appropriate sample, enough data generated but not organized and not presented well. No or poor inferences drawn                                           | Sufficient and appropriate sample, enough data generated which is organized and presented well but poor inferences drawn                                                | Enough data collected by sufficient and appropriate sample size. Proper inferences drawn by organising and presenting data through tables, charts and graphs.              |
| 5     | <b>Quality of Prototype/Model</b>                       | Incomplete fabrication/assembly.                                                                                               | Just assembled/fabricated and parts are not functioning well. Not in proper shape, dimensions beyond tolerance limit. Appearance/finish is shabby.                       | Well assembled/fabricated with proper functioning parts. In proper shape, within tolerance dimensions and good finish . But no creativity in design and use of material | Well assembled/fabricated with proper functioning parts. In proper shape, within tolerance dimensions and good finish/appearance. Creativity in design and use of material |
| 6     | <b>Report Preparation</b>                               | Very short, poor quality sketches, Details about methods, material, precaution and conclusions omitted, some details are wrong | Nearly sufficient and correct details about methods, material, precautions and conclusion, but clarity is not there in presentation. But not enough graphic description. | Detailed, correct and clear description of methods, materials, precautions and Conclusions. Sufficient Graphic Description.                                             | Very detailed, correct, clear description of methods, materials, precautions and conclusions. Enough tables, charts and sketches                                           |
| 7     | <b>Presentation of the Micro project</b>                | Major information is not included, information is not well organized .                                                         | Includes major information but not well organized and not presented well                                                                                                 | Includes major information and well organized but not presented well                                                                                                    | Well organized, includes major information ,well presented                                                                                                                 |
| 8     | <b>Viva</b>                                             | Could not reply to considerable number of question.                                                                            | Replied to considerable number of questions but not very properly                                                                                                        | Replied properly to considerable number of question.                                                                                                                    | Replied most of the questions properly                                                                                                                                     |

**Annexure- IV****Micro Project Evaluation Sheet****Name of Student:** Desale Lalit Dnyaneshwar**Title of the Micro-Project:** Sources and Effect of Common Air Pollutants**Course Outcomes Achieved:**

- a) Develop Public awareness about environment
- b) Conserve Ecosystem and Biodiversity
- c) Apply techniques to reduce Environmental Pollution
- d) Manage social issues and Environmental Ethics as lifelong learning

| Sr. No.                                                                       | Characteristic to be assessed                    | Poor<br>(Marks 1 - 3) | Average<br>(Marks 4 - 5) | Good<br>(Marks 6 - 8) | Excellent<br>(Marks 9- 10) | Sub Total |
|-------------------------------------------------------------------------------|--------------------------------------------------|-----------------------|--------------------------|-----------------------|----------------------------|-----------|
| (A) Process and Product Assessment (Convert above total marks out of 6 Marks) |                                                  |                       |                          |                       |                            |           |
| 1                                                                             | Relevance to the course                          |                       |                          |                       |                            |           |
| 2                                                                             | Literature Review/information                    |                       |                          |                       |                            |           |
| 3                                                                             | Completion of the Target as per project proposal |                       |                          |                       |                            |           |
| 4                                                                             | Analysis of Data and representation              |                       |                          |                       |                            |           |
| 5                                                                             | Quality of Prototype/Model                       |                       |                          |                       |                            |           |
| 6                                                                             | Report Preparation                               |                       |                          |                       |                            |           |
| (B) Individual Presentation / Viva (Convert above total marks out of 4 Marks) |                                                  |                       |                          |                       |                            |           |
| 7                                                                             | Presentation                                     |                       |                          |                       |                            |           |
| 8                                                                             | Viva                                             |                       |                          |                       |                            |           |

| (A) Process and Product Assessment<br>(6 marks) | (B) Individual Presentation/Viva<br>(4 marks) | Total Marks<br>(10 marks) |
|-------------------------------------------------|-----------------------------------------------|---------------------------|
|                                                 |                                               |                           |

**Comments/Suggestions about team work/leadership/inter-personal communication (if any)**

( Prof. S. S. Shah )  
Lecturer in Industrial Electronics