

**Discipline: Food Technology: Department of Food Plant Operations**

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| <b>Course No : SEC-246</b>                                      | <b>Credit Hrs.: 2(0+2)</b> |
| <b>Course Title : Maintenance of Food Processing Equipments</b> |                            |

**TEACHING SCHEDULE**

| <b>Exercise No.</b> | <b>Exercise Title</b>   |
|---------------------|---|
| <b>1 - 2</b>        | Hands on identification of various types of food processing equipment                                 |
| <b>3 - 4</b>        | Creation of customized preventive maintenance check lists for different equipment                     |
| <b>5 - 6</b>        | Simulated execution of a preventive maintenance routine   |
| <b>7</b>            | Understanding the types of lubricants used in food processing   |
| <b>8</b>            | Practicing proper lubrication techniques on machinery   |
| <b>9 - 10</b>       | Learning about different cleaning agents and their appropriate use                                    |
| <b>11 - 12</b>      | Conducting cleaning protocols on equipment in compliance with food safety standards                   |
| <b>13 - 14</b>      | Practical exercises in electrical trouble shooting, including circuit testing and voltage measurement |
| <b>15 - 16</b>      | Dismantling and reassembling parts of common food processing equipment                                |
| <b>17 - 18</b>      | Simulated troubleshooting of common equipment functions   |
| <b>19 - 20</b>      | Simulating the documentation of maintenance activities and creating maintenance logs                  |
| <b>21</b>           | Study of maintenance of cleaning equipment  |
| <b>22 - 23</b>      | Study of care and maintenance of sorting/ grading equipment   |
| <b>24 - 25</b>      | Study of care and maintenance of milling equipment  |
| <b>26 - 27</b>      | Study of care and maintenance of drying equipment   |
| <b>28 - 29</b>      | Study of care and maintenance of material handling equipment  |
| <b>30 - 31</b>      | Study of care and maintenance of packaging equipment  |
| <b>32</b>           | Study of care and maintenance of storage units  |