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**Department of Biomedical Technology**

**Basic Mechanical Skills**

**BMT 221 Lab Manual**

**Lab Instructor: Eng. Mohamed Alwahiby**

**Practical Content**

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| **Weeks** | **Practical Title** | **Type of Practical** |
| Week 2 | Basics of Solids Modeling | Software Training |
| Week 2 | Basic Sketching I | Software Training |
| Week 3 | Basic Sketching II | Software Training |
| Week 3 | Extruded Feature; V-Block | Software Training |
| Week 4 | Construct Housing Body and Add Multiple Features | Software Training |
| Week 5 | Create a 2-D Drawing from a 3-D Model | Software Training |
| Week 5 | Create a 2-D Working Drawing | Software Training |
| Week 6 | Construct Bushes and Produce Detail Drawings | Software Training |
| Week 7 | Assembling Housing Parts | Software Training |
| Week 7 | Assembly Drawing with Bill of Materials | Software Training |
| Week 8 | Sectional Views | Software Training |
| Week 8 | Reference Planes; Vertical Bearing Support | Software Training |
| Week 9 | weep Features I; Cranking Lever | Software Training |
| Week 10 | Sweep Features II Candle Holder | Software Training |
| Week 11 | Welded Assembly of Lofted Features | Software Training |
| Week 12 | Inserting Standard Parts from the ‘Toolbox’ | Software Training |