

WEEKLY LESSON PLAN

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| NAME OF FACULTY: <u>Sunil Sahai</u> | DEPARTMENT: <u>Mechanical Engg.</u> |
| SUBJECTS: <u>Machine Design - II, And, Non Conventional Energy Resources and Utilization.</u> | |
| WEEK OF: <u>2nd</u> | |

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| <p>MONDAY: <u>VIIIth Sem</u> <u>N.C.E.R & U</u> Classification of Sources of Energy. Non-conventional Sources of Energy. Solar energy chains.</p> | <p>THURSDAY: <u>VI sem</u> <u>Machine Design - II.</u> Introduction - Principle of transmission and conjugate action. Nomenclature of spur gear. tooth form.</p> |
| <p>TUESDAY: Biomass Energy. Wind Energy Geothermal Energy.</p> | <p>FRIDAY: System of Gear teeth. contact ratio. Standard Proportions of gear system. Interference in involute gear. Selection of gear materials. Gear manufacturing methods.</p> |
| <p>WEDNESDAY: Tidal Energy Ocean Energy. Wave Energy.</p> | <p>SATURDAY: Design considerations - Beam strength of gear tooth Dynamic tooth load. Wear strength of gear tooth.</p> |

WEEKLY LESSON PLAN

NAME OF FACULTY: Ramesh Yadav

DEPARTMENT: ~~CSE~~

~~Mechanical~~ Mechanical Engg.

SUBJECTS:

Applied Thermodynamics, Power Plant Engg.

WEEK OF: 2nd

MONDAY:

Sub. - P.P.E

- Load factor
- Load curves

THURSDAY:

Sub. - A.T.D

- Classification of Gas turbines
- p-v & T-s diagrams

TUESDAY:

- Fuels & Combustion calculations
- Thermodynamic cycles

FRIDAY:

- working of Constant pressure and constant volume gas turbines

WEDNESDAY:

- Variable load
- Relevant factors

SATURDAY:

- Brayton cycle
- Methods of increasing efficiency

WEEKLY LESSON PLAN

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| NAME OF FACULTY: Anurag singh | DEPARTMENT: Mechanical (M. Tech) |
| SUBJECTS: Computer Integrated Manufacturing, Turbo Machines | |

WEEK OF :

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| MONDAY: M.Tech Ist Year 2 Sem Overview of CNC machine tools. | THURSDAY: M.Tech Ist Year 2 Sem Classification of Turbo Machines |
| TUESDAY: M.Tech Ist Year 2 Sem Development of CNC technology | FRIDAY: M.Tech Ist Year 2 Sem Applications of Turbo Machines |
| WEDNESDAY: M.Tech Ist Year 2 Sem Development of CNC principles | SATURDAY: M.Tech Ist Year 2 Sem Applications of Turbo Machines (continued) |

WEEKLY LESSON PLAN

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| NAME OF FACULTY: SHWETA MISHRA | DEPARTMENT: Mechanical Engineering |
| SUBJECTS: PRODUCT DESIGN AND DEVELOPMENT(B.TECH 2 YEAR) MACHINE DRAWING (B.TECH 2 YEAR) ENGINEERING GRAPHICS(B.TECH 1 YEAR) | |

19 FEB-24 FEB

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| MONDAY: PRODUCT DESIGN AND DEVELOPMENT (B.TECH 2 YEAR) <ul style="list-style-type: none">➤ Introduction to Product Design➤ Applications➤ Relevance | THURSDAY: ENGINEERING GRAPHICS(b.tech 1 year) <ul style="list-style-type: none">➤ INTRODUCTION➤ TITLE BOX |
| TUESDAY: 1- PRODUCT DESIGN AND DEVELOPMENT(B.TECH 2 YEAR) <ul style="list-style-type: none">➤ Product Definition➤ Scope➤ Design definitions 2- MACHINE DRAWING (B.tech 2 year) <ul style="list-style-type: none">➤ Introduction➤ Application | FRIDAY: ENGINEERING GRAPHICS(b.tech 1 year) <ul style="list-style-type: none">➤ INTRODUCTION ABOUT LINES➤ TYPES OF LINES➤ PRACTICE SHEET 1 |
| WEDNESDAY: 1- PRODUCT DESIGN AND DEVELOPMENT(B.TECH 2 YEAR) <ul style="list-style-type: none">➤ The role and nature of design➤ Old and new design methods 2- MACHINE DRAWING (B.tech 2 year) <ul style="list-style-type: none">➤ Practice sheet 1 | |

