



SANJEEVAN

ENGINEERING & TECHNOLOGY INSTITUTE, PANHALA

Sanjeevan Knowledge City, Somwar Peth-Jajale, Panhala, Tal. Panhala, Dist. Kolhapur
Pin: 416 201 (Maharashtra) Phone: 9146999560

DTE Code : **EN6315**

NAAC Accredited

AICTE ID : 1-9019451
AISEE Code : C-11165

Approved By AICTE, New Delhi Recognized by Govt. of Maharashtra & DTE
Permanent Affiliation by Dr. Babasaheb Ambedkar Technological University, Raigad

Department of Civil Engineering
Syllabus / Programme Curriculum

“RCC Design Drafting using CAD”

11th, 12th, 18th, 19th and 25th March 2023

Unit	Syllabus
1	Practical Examples on Slab Beam and Column
2	Design reading and drafting requirements for presentation drawings
3	Hands-on with CAD.
4	Conceptual framework working drawings with CAD
5	Drafting working drawing using various tools using available design


HOD
Civil Engineering
Sanjeevan Engineering & Technology Institute
Somwar Peth, Panhala, Dist. Kolhapur. (416 201)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Data Structure and Algorithms using Java

Course Layout:

- Week 1: 1D array, list and vector, 2D matrices and tables of objects
- Week 2: Java implementation of 1D and 2D arrays and its operations
- Week 3: Linked lists and its various operations, stack and queue
- Week 4: Java implementation of linked lists, stack and queue
- Week 5: Binary trees: Representation and operations. Variations of binary tree: Binary search tree, Height balanced search tree, Heap tree
- Week 6: Java implementation of binary trees and its variations
- Week 7: Graph: Structure, representation and operations
- Week 8: Java implementations of graph data structures
- Week 9: Algorithms (Part-I): Searching and sorting algorithms
- Week 10: Java implementation of Part-I algorithms
- Week 11: Algorithms (Part-II): Greedy algorithms, shortest path algorithms
- Week 12: Java implementation of Part-II algorithms



Pgk
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& Engineering
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Somwar Peth, Panhala - 416 201

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Data base management system

Course layout:

Week 1: Course Overview. Introduction to RDBMS

Week 2: Structured Query Language (SQL)

Week 3: Relational Algebra. Entity-Relationship Model

Week 4: Relational Database Design

Week 5: Application Development. Case Studies. Storage and File Structure

Week 6: Indexing and Hashing. Query Processing

Week 7: Query Optimization. Transactions (Serializability and Recoverability)

Week 8: Concurrency Control. Recovery Systems. Course Summarization.



P. P. Patil
H.O.D.
HOD

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programming in Java

Course layout:

Week 1: Overview of Object-Oriented Programming and Java

Week 2: Java Programming Elements

Week 3: Input-Output Handling in Java

Week 4: Encapsulation

Week 5: Inheritance

Week 6: Exception Handling

Week 7: Multithreaded Programming

Week 8: Java Applets and Servlets

Week 9: Java Swing and Abstract Windowing Toolkit (AWT)

Week 10: Networking with Java

Week 11: Java Object Database Connectivity (ODBC)

Week 12: Interface and Packages for Software Development



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EN 0315

Department of Computer science and Engineering

“Python : Basic To Advanced”

Course Layout

Unit 1

Introduction to python, tools(Anaconda distribution, Jupiter Notebook ,Google Colab, IDEs- Spyder , Pycharm, VScode), Python Objects, & Data types Numbers, string, Booleans , Complex data, container objects , python operators; Arithmetic, bitwise, Comparison & Assignment.

Unit 2

Hands on Data structures, list, tuples, Dictionaries, Sets, Strings, Data Analysis(Package Numpy), Data analysis(Packages: Pandas),

Unit 3

Hands on Exercise for pandas & Numpy, Visualization: Matplot library, seaborn, Plotly library, Cufflinks.

Unit 4

Rest API : Flask Rest, Flask Application, Open link, URL Building, HTTP methods flask, Django, Database: MangoDB, SQLite, MySQL, Connectivity of Python with all databases.

Unit 5

Python Project: end to end project development , Web crawlers, Integration with web, API, & Mango DB on Azure, Deployment of all Python Projects on Cloud platform(salesforce, Heroku cloud)


Co-ordinator




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Department of Computer science and Engineering

“Python Programming For Data Science ”

Course Layout

Unit 1

Introduction to Python toos (Anaconda distribution, Jupiter Notebook, Google Colab, IDEs- Spyder, Pycharm, VScode Python Objects & Data types Numbers,string booleans, Complex data, container objects Python operators: Arithmetic. bitwise. Comparison & Assignment

Unit 2

Hands on Data structures, list, tuples, Dictionaries, Sets, Strings, Data Analysis(Package Numpy), Data analysis(Packages: Pandas),

Unit 3

Hands on Exercise for Numpy, Data analysis (Packages: Pandas)

Unit 4

Hands on Exercise for Pandas, Hands on Exercise for Visualizations: matplotlib library, Visualizations: seaborn

Unit 5

Hands on Exercise for seaborn, Database system in python, Connectivity of Python with all databases

Unit 6

Database : MangoDB ,SQLite, MYSQL, Practice session, Question & Answer session

F. V. S. P.
Co-ordinator



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Department of Computer science and Engineering

“Advance Java Programming”

Course Layout

Unit 1

Introduction to Advance Java & Its Packages ,Core Java Concept, Control Statements, Arrays and Looping Statements

Unit 2

Hands on Data Structures: List, Stack, HashMap, queue Real Time Examples on Data Structure, Practical on DS examples

Unit 3

Basic of Web Applications, Web Container, Servlets

Unit 4

Session Management, Introduction to JSPs, JSP Elements & Tag library

Unit 5

MVC Architecture, Tag library Validations & Frameworks, Hibernate Architecture

Unit 6

Spring Framework with all modules, Spring Boot Framework with its applications, Project on Spring Boot Framework.


Co-ordinator




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EN 6315

Date: 01/06/2022

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Data Structure and Algorithms using Java

Assessment criteria:

Average assignment score = 25% of average of best 6 assignments out of the total 8 assignments given in the course.

Exam score = 75% of the proctored certification exam score out of 100

Final score = Average assignment score + Exam score

YOU WILL BE ELIGIBLE FOR A CERTIFICATE ONLY IF AVERAGE ASSIGNMENT SCORE $\geq 10/25$ AND EXAM SCORE $\geq 30/75$. If one of the 2 criteria is not met, you will not get the certificate even if the Final score $\geq 40/100$.



P. J. J.
H.O.D.
H.O.D.

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EN 6315

Date: 01/06/2022

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Data Base management system

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Programming in Java

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DEPARTMENT OF ELECTRICAL ENGINEERING

SYLLABUS

AY 2022-23

Electrical Vehicle

Unit 1: Introduction to Hybrid Electric Vehicles

History of hybrid and electric vehicles, social and environmental importance of hybrid and electric vehicles, impact of modern drive-trains on energy supplies. Conventional Vehicles: Basics of vehicle performance, vehicle power source characterization, transmission characteristics, and mathematical models to describe vehicle performance.

Unit 2: Hybrid Electric Drive-trains

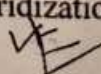
Basic concept of hybrid traction, introduction to various hybrid drive-train topologies, power flow control in hybrid drive-train topologies, fuel efficiency analysis. Electric Drive-trains: Basic concept of electric traction, introduction to various electric drive-train topologies, power flow control in electric drive-train topologies, fuel efficiency analysis.

Unit 3: Electric Propulsion unit

Introduction to electric components used in hybrid and electric vehicles, Configuration and control of-DC Motor drives, Induction Motor drives, Permanent Magnet Motor drives, Switch Reluctance Motor drives, drive system efficiency. Power converters in EV.

Unit 4: Energy Storage

Introduction to Energy Storage Requirements in Hybrid and Electric Vehicles, Battery based energy storage and its analysis, Fuel Cell based energy storage and its analysis, Super Capacitor and Flywheel used for energy storage, Hybridization of different energy storage devices


Head of the Department
Electrical Engineering
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Syllabus

HOT LINE MAINTENANCE (A.Y.2018-19)

Unit 1: Methods of hotline maintenance

Hot stick method: Bare hand method, Combination of hot stick and bare hand methods, Insulating glove or rubber glove working, Hotline washing, Insulated aerial work platform

Unit 2: Hotline operations

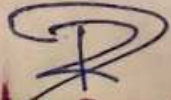
transmission lines Changing of insulators, Changing of hardware components, spacers and dampers; application of repair sleeves; maintenance and replacement of mid-span joints. Replacement/Repair of damaged sections of the conductor, Testing of insulators (one line insulator tester, puncture insulator detector [PID]) Tension string replacement, Changing of cross arm for HV systems, Changing of poles Live-line washing, Jumper online tightening and nut-bolt changing, Strengthening of dead end hardware, Replacement of arcing horn and corona ring hardware.

Unit 3: Hotline operations in transmission substation or switchyard

Insulator testing strings replacement, live-line washing of switchyard insulators, change out of jumper and pilot insulator string. Rectification on the switchyard bus, extension of main bus, connection of new bays and feeder, nut-bolt changing, insulator maintenance and replacement, bypass connection in case of urgency, lubrication of the energised rotating mechanism, maintenance of the various hotspots of the switchyard.

Unit 4 :New trends in hotline

There are several different telerobotic systems for live-line maintenance being developed around the world. Each of these systems is specially designed to fulfil a series of requirements for the relevant application. To this end, the designers had to work with different solutions and approaches, some specific to their application and others of general relevance for all the systems. These solutions define the practical and efficient use of the telerobotic system, and have to be adopted with care – being fairly conservative but also looking at the future requirements. The latest techniques also employ helicopters.


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Electrical Engineering
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DEPARTMENT OF ELECTRICAL ENGINEERING

Syllabus

Introduction to PLC (AY 2021-22)

Unit 01 - Programmable Logic Controllers:

Introduction, Parts of a PLC, Principles of Operation, Modifying the Operation, PLCs versus Computers, PLC Size and Application.

Unit 02 - PLC Hardware Components:

The I/O Section, Discrete I/O Modules, Analog I/O Modules, Special I/O Modules, I/O Specifications, The Central Processing Unit (CPU), Memory Design, Memory Types, Programming Terminal Devices, Recording and Retrieving Data, Human Machine Interfaces (HMIs).

Unit 03 - Basics of PLC Programming:

Processor Memory Organization, Program Scan, PLC Programming Languages, Relay-Type Instructions, Instruction Addressing, Branch Instructions, Internal Relay Instructions, Programming Examine If Closed and Examine If Open Instructions, Entering the Ladder Diagram, Modes of Operation.

Unit 04 - Developing Fundamental PLC Wiring Diagrams and Ladder Logic Programs:

Electromagnetic Control Relays, Contactors, Motor Starters, Manually Operated Switches, Mechanically Operated Switches, Sensors, Output Control Devices, Seal-In Circuits, Latching Relays, Converting Relay Schematics into PLC Ladder Programs, Writing a Ladder Logic Program Directly from a Narrative Description.

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DEPARTMENT OF ELECTRICAL ENGINEERING

SYLLABUS

AY 2020-21

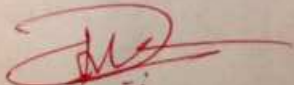
PLC & INDUSTRIAL AUTOMATION

Unit I: measurement: Temperature measurement, Pressure and Force measurements, Displacement and speed measurement, Flow measurement techniques, Measurement of level, humidity, pH etc, Signal Conditioning and Processing, Estimation of errors and Calibration

Unit II:- Process Control: Introduction to Process Control P I D Control, Controller Tuning. Implementation of PID Controllers. Special Control Structures: Feed forward and Ratio Control. Predictive Control, Control of Systems with Inverse Response, Cascade Control, Overriding Control, Selective Control, Split Range Control

Unit III Pneumatic Control Systems: System Components Hydraulic & Pneumatic Control Systems, Controllers and Integrated Control Systems. Networking of Sensors, Actuators and Controllers

Unit IV:- PLC & Sequence Control: Introduction to Sequence Control PLCs and Relay Ladder Logic Sequence Control, Scan Cycle, RLL Syntax Sequence Control, Structured Design Approach Sequence Control, Advanced RLL Programming Sequence Control : The Hardware environment


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Electrical Engineering
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DEPARTMENT OF ELECTRICAL ENGINEERING

Syllabus

PLC & SCADA (AY 2022-23)

Unit 01 - Programmable Logic Controllers, PLC Hardware Components, Basics of PLC Programming

Introduction, Parts of a PLC, Principles of Operation, Modifying the Operation, PLCs versus Computers, PLC Size and Application, The I/O Section, Discrete I/O Modules, Analog I/O Modules, Special I/O Modules, I/O Specifications, The Central Processing Unit (CPU), Memory Design, Memory Types, Programming Terminal Devices, Recording and Retrieving Data, Human Machine Interfaces (HMIs), Processor Memory Organization, Program Scan, PLC Programming Languages, Relay-Type Instructions, Instruction Addressing, Branch Instructions, Internal Relay Instructions, Programming Examine If Closed and Examine If Open Instructions, Entering the Ladder Diagram, Modes of Operation.

Unit 02 - Developing Fundamental PLC Wiring Diagrams and Ladder Logic Programs, Programming Timers, Programming Counters, Program Control Instructions

Electromagnetic Control Relays, Contactors, Motor Starters, Manually Operated Switches, Mechanically Operated Switches, Sensors, Output Control Devices, Seal-In Circuits, Latching Relays, Converting Relay Schematics into PLC Ladder Programs, Writing a Ladder Logic Program Directly from a Narrative Description, Mechanical Timing Relays, Timer Instructions, On-Delay Timer Instruction, Off-Delay Timer Instruction, Retentive Timer, Cascading Timers, Counter Instructions, Up-Counter, Down-Counter, Cascading Counters, Incremental Encoder-Counter Applications, Combining Counter and Timer Functions, Master Control Reset Instruction, Jump Instruction, Subroutine Functions, Immediate Input and Immediate Output Instructions, Forcing External I/O Addresses, Safety Circuitry, Selectable Timed Interrupt, Fault Routine, Temporary End Instruction, Suspend Instruction.

Unit 03 - Data Manipulation Instructions, Math Instructions, Sequencer and Shift Register Instructions, Process Control, Network Systems, and SCADA

Data Manipulation, Data Transfer Operations, Data Compare Instructions, Data Manipulation Programs, Numerical Data I/O Interfaces, Closed-Loop Control, Math Instructions, Addition Instruction, Subtraction Instruction, Multiplication Instruction, Division Instruction, Other Word-Level Math Instructions, File Arithmetic Operations, Mechanical Sequencers, Sequencer Instructions, Sequencer Programs, Bit Shift Registers, Word Shift Operations, Types of Processes, Structure of Control Systems, On/Off Control, PID Control, Motion Control, Data Communications, Supervisory Control and Data Acquisition (SCADA).



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DEPARTMENT OF ELECTRICAL ENGINEERING

UNIT 1-Introductions

Introductions Overview of the course, the syllabus, assignments and Self Study Introduction to Career Counseling ,Career Development Association

UNIT 2-Occupations:

Information and Theory Online, Relational Approaches to Career Development Peer Counseling Dyads.

UNIT 3-Holland's Theory

Holland's Theory of Types Self-Directed Search (Complete in class) Myers-Briggs Type Theory MBTI (Complete in class)

UNIT 4-

Career Development in Childhood Complete Career Focus online

STUDENTINDUCTIONPROGRAMME-2022-23

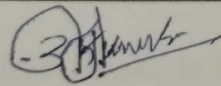
B.Tech-FirstYear

ACADEMICYEAR:2022-23

14thNovember-18thNovember2022

ONEWEEK

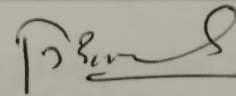
Day /Time	1 10:15-11:30	2 11:30-1:00	3 12:15-12:30	4 12:30-1:30	5 1:30-2:00	6 2:00-4:00
Monday 14/11/22	Registration of Student and Refreshment	Inauguration	Short Break	Interaction with parents (HOD,VP,Principal, Alumini)	Long Break	Mentor-Mentee Interaction
Tuesday 15/11/22	Dr.DayanandDeomore (Manifestations for Engineers)	Department Visit (A-Civl.B- CSE C-EE D- ME)		Group Discussion (Group Formation And Introduction)		Creative Arts
Wednesday 16/11/22	Mr.Sangram Power (Idea metrics)	Department Visit (A-ME .B- Civl C-CSE D- EE)		Literary Event Book		Creative Arts
Thursday 17/11/22	Sahaj Yoga	Department Visit (A-EE .B- ME C-Civil D- CSE)		Group Discussion/Debate		Creative Arts
Friday 18/11/22	Mr. SandipPatil (Robotics & Automation)	Department Visit (A-CSE .B- EE C-ME D- Civil)		English Proficiency Module		Presentation by Groups



TheIIPCCoordinator

Prof.Ashok B.Kolekar





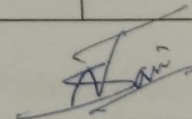
H.O.D

Prof.Nishant B.Tharkar

H.O.D.

Department of

Basic Sciences and Humanities



Principal

Dr. Sajeed N. Jain

PRINCIPAL

Sanjeevan Engg. & Tech. Institute Page|6
Somwar Peth, Panhala - 416 201

ACADEMIC YEAR: 2021-22

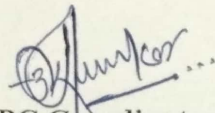
Venue: Sir Vishveshwaraiah (Drawing) Hall, S.E.T.I Panhala

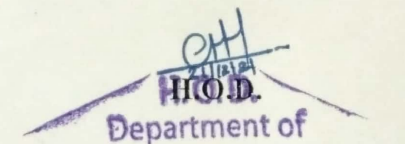
Date: 23rd Dec-27th Dec 2021

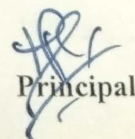
Safety Measures: * Mask-wearing is mandatory, due to threat of Omicron and COVID-19 pandemic.

Day/Time	1 9:30-10:30	2 10:30-11:30	11:30- 11:45	3 11:45-12:45	4 12:45-1:45	1:45- 2:30	5 2:30-3:30	6 3:30-4:30
Thursday 23/12/2021	Creative Art (Drawing, Craft/painting/music/dance/signing) Mr.Mangesh Painjane sir	Proficiency Module-01 By Prof.Sardar Deshmukh H.O.D ,Dept of Mechanical Engg	Tea Break	Proficiency Module-02 by Prof.P.P.Kulkarni H.O.D Dept of Electrical Engg	Proficiency Module-03 by Prof.Jabbar Mevekari H.O.D Dept of Civil Engg	Lunch Break	Proficiency Module-04 by Prof.S.A.Babar Dept of CSE Engg	Familiarization to Library & Literary Activity by Librarian Mr.S.R.Patil
Friday 24/12/2021	Universal Human Values-01 by Prof.Ashok.B.Kolekar	Lecture by Eminent Personality Prof.Dr.Ajay Maske	Tea Break	Physical Activity (Yoga/Meditation/ Art of Living etc.) by Mr.Kiran Sawant (Sahajyoga Meditation Center,Kolhapur)		Lunch Break	Visit to Historical Place (Panhala Fort)	
Monday 27/12/2021	Universal Human Values-01 by Dr.Mohan Vanarotti (Principal,Sanjeevan Engineering & Tech. Institute)	Commencement of Regular Classes for Semester First						

Note: Registration of Students for Induction Programme will be started exactly at 9.15 am Thursday 23/12/2021


IIPC Coordinator



HOD
Department of
Basic Sciences and Humanities

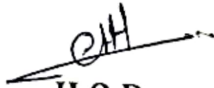

Principal


B.Tech-First Year ACADEMIC YEAR: 2020-21 02st February -06th February 2021 **FIRST WEEK**

Note: Online Lectures will be conducted on Google Meet

Day/Time	1 10:15-11:15	2 11:15-12:15	3 12:15-12:30	4 12:30-1:30
TUESDAY 02/02/2021	Inauguration & Welcome Dr.Mohan B. Vanarotti (Hon'ble Principal)	Proficiency Module 01 & Lecture Dr,Vishal Patil (H.O.D BS&H)	Short Break	Universal Human Values Session Prof.Ashok Kolekar
WEDNESDAY 03/02/2021	Proficiency Module-02 & Lecture (H.O.D- Civil Engineering)	Proficiency Module-03 & Lecture (H.O.D- Electrical Engineering)	Short Break	Universal Human Values Session Prof.Ankita Kulkarni
THURSDAY 04/02/2021	Proficiency Module-04 & Lecture (H.O.D- Computer Science Engineering)	Proficiency Module-05 & Lecture (H.O.D- Mechanical Engineering)	Short Break	Proficiency Module(Physics)-06 & Lecture by (Prof.Sachin Potdar)
FRIDAY 05/02/2021	Proficiency Module(Maths)- 07 & Lecture (Prof.Nilofer Khan)	Expert Lecture by (Prof.Suraj Shinde)	Short Break	Lecture by Controller of Examination (Dr.S.L.Ghodake)
SATURDAY 06/02/2021	Proficiency Module(Maths)- 08 & Lecture (Prof.Nasreen Khan)	Proficiency Module (Chemistry)-09 & Lecture (Prof.Annapurna Saboji)	Short Break	Proficiency Module (English)-10 & Lecture (Prof.Ashok Kolekar)


The IIPC Coordinator
Prof.Ashok B. Kolekar


H.O.D
Dr.Vishal Patil
H.O.D.
Department of
Basic Sciences and Humanities



Principal
Dr.Mohan Vanrotti

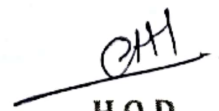
B.Tech-First Year ACADEMIC YEAR: 2019-20 13th August-21st August 2019

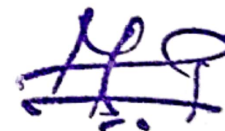
ONE WEEK

Day/Time	1 9:15-10:15	2 10:15-11:15	11:15 - 11:30	3 11:30-12:30	4 12:30-1:30	1:30-2:15	5 2:15-3:15	6 3:15-4:15
WED 13/08/2019	Registration of Students for Induction	Inauguration Talks by Chairman, Secretary, Director, Dean & Principal	Tea Break	Introduction of Universal Human Values-1 by The Principal	Introduction of Universal Human Values-2 by Dr.Ghodake.S.	Lunch Break	Creative Art (Drawing, Craft/painting/music/dance/signing)	
THUR 14/08/2019	Lecture by Eminent Personality (The H.O.D BS & H)	Proficiency Module-01 Diagnostic test (for English) by Prof.Ashok Kolekar	Tea Break	Lecture by Eminent Personality (The Principal)	Lecture by Eminent Personality (Dr.Ghodake.S.)	Lunch Break	Physical Activity (Sport, Games/Yoga/Meditation etc.) Indoor & Outdoor games Activity	
FRI 16/08/2019	Physical Activity (Yoga/Meditation)	Physical Activity (Yoga/Meditation)	Tea Break	Universal Human Values-3 by Prof.Ashok Kolekar	Universal Human Values-4 by Prof.A.A.Kulkarni	Lunch Break	Familiarization to respective departments & Institute (Mentor-Mentee Groups- Introduction within Group)	

SAT 17/08/2019	Literary Activity & UHV-3 by Prof.Ashok Kolekar	Proficiency Module-02 by Dept of Civil	Tea Break	Proficiency Module-03 by The H.O.D Dept of Electrical	Proficiency Module-04 by The H.O.D Dept of Automobile	Lunch Break	Physical Activity (Sport, Games/Yoga/Meditation etc.) Indoor & Outdoor games Activity
MON 19/08/2019	Proficiency Module-05 by Dept of Mechanical	Universal Human Values-5 by Prof. Nilofer & Nasrin Khan	Tea Break	Proficiency Module-06 by The H.O.D Dept of E & TC	Proficiency Module-07 by The H.O.D Dept of CSE	Lunch Break	Health Tips and Motivational Speech/Videos
TUE 20/08/2019	Lecture by Eminent Personality (Prof.Amit Shelake)	Lecture by Eminent Personality (Prof.R.Nejkar)	Tea Break	Lecture by Eminent Personality (Prof.C.Gaikwad)	Lecture by Eminent Personality (Prof.A.C.Thoke)	Lunch Break	Lecture by Eminent Personality (Prof.Mank Patil) Lecture by Eminent Personality (Prof.Nilesh Jadhav)
WED 21/08/2019	Visit to Historical Places (Panhala Fort)			Weekly Evaluation from Students	Lunch Break	GROUP DISCUSSION	


The IIPC Coordinator
Prof.Ashok B. Kolekar


H.O.D
Dr.Vishal Patil



Principal
Dr.Mohan Vanrotti

Day/Time	1 9:15-10:15	2 10:15-11:15	11:15- 11:30	3 11:30-12:30	4 12:30-1:30	1:30- 2:15	5 2:15-3:15	6 3:15-4:15
FRI	Registration of Students for Induction	Inauguration	Tea Break	Introduction to Universal Human Values-1 by The Principal	Universal Human Values-2 by The Academic Dean	Lunch Break	Creative Art (Drawing, Craft/painting/music/dance/signing)	
SAT	Lecture by Eminent Personality (The H.O.D BS & H)	Proficiency Module-01 Diagnostic test (for English) by Prof.A.B.Kolekar	Tea Break	Lecture by Eminent Personality (The Principal)	Lecture by Eminent Personality (The Academic Dean)	Lunch Break	Physical Activity (Sport, Games/Yoga/Meditation etc.) Indoor & Outdoor games Activity	
MON	Physical Activity (Yoga/Meditation)	Physical Activity (Yoga/Meditation)	Tea Break	Universal Human Values-3 by Prof.A.B.Kolekar	Literary Activity & UHV-4 by Prof.A.B.Kolekar	Lunch Break	Familiarization to respective departments & Institute (Mentor-Mentee Groups-Introduction within Group)	
TUE	Proficiency Module-03 by The H.O.D ,Dept of Mechanical Engg	Proficiency Module-02 by The H.O.D Dept of Civil Engg	Tea Break	Proficiency Module-04 by The H.O.D Dept of Electrical	Proficiency Module-05 by The H.O.D Dept of Automobile Engg	Lunch Break	Physical Activity (Sport, Games/Yoga/Meditation etc.) Indoor & Outdoor games Activity	
WED	Meditation (Physical & Mental Health) Mr.Ravindra Balgunde		Tea Break	Proficiency Module-06 by The H.O.D Dept of E & TC	Proficiency Module-07 by The H.O.D Dept of CSE Engg	Lunch Break	Universal Human Values-5 by Prof.A.A.Kulkarni	Universal Human Values-4 by Prof. Nilofer & Nasrin Khan
THUR	Lecture by Eminent Personality (Prof.Shelake)	Lecture by Eminent Personality (Prof.Nejkar)	Tea Break	Lecture by Eminent Personality (Prof.Gaikwad)	Lecture by Eminent Personality (Prof.Thoke)	Lunch Break	Lecture by Eminent Personality (Prof.Mañk Patil)	Lecture by Eminent Personality (Prof.Jadhav)
FRI	Visit to Historical Places (Panhala Fort)				Feedback/Evaluation from Students	Lunch Break	Valedictory Function	

N.B*The Schedule is followed as per the AICET and DBATU guidelines.


The IPC Coordinators


The H.O.D.


The Academic Dean


The Principal
PRINCIPAL

Sanjeevan Engg. & Tech. Institute
Campus: Path, Panhala Dist. Kolhapur. (MS)

Day/Time	7 9:15-10:15	8 10:15-11:15	11:15-11:30	9 11:30-12:30	10 12:30-1:30	1:30-2:15	11 2:15-3:15	12 3:15-4:15
THUR 09/08/2018	Physical Activity (Yoga/Meditation)	Physical Activity (Yoga/Meditation)	Tea Break	Universal Human Values LECT-06. Prof.Ashok Kolekar	Universal Human Value LECT.07 Prof.Ashok Kolekar	Lunch Break	Creative Art (Drawing, Craft/painting/music/dance/signing)	
FRI 10/08/2018	Lecture by Eminent Personality (Prof.P.Shendage)	Proficiency Module-08 Diagnostic test (for English & Communication Skills) by Prof.Ashok Kolekar	Tea Break	Lecture by Eminent Personality (Prof.S.More)	Lecture by Eminent Personality (Dr.S.Potdar)	Lunch Break	Physical Activity (Sport, Games/Yoga/Meditation etc.) Indoor & Outdoor games Activity	
SAT 11/08/2018	Physical Activity (Yoga/Meditation)	Physical Activity (Yoga/Meditation)	Tea Break	Universal Human Values 08- by Prof.Ashok Kolekar	Universal Human Values-09 by Prof.A.A.Kulkarni	Lunch Break	Creative Art (Drawing, Craft/painting/music/dance/signing)	
MON 13/08/2018	Literary Activity & UHV- by Prof.Ashok Kolekar	Proficiency Module-09 by Dept of Civil	Tea Break	Proficiency Module-10 ,by Dept of Electrical	Proficiency Module-11 by Dept of Automobile	Lunch Break	Physical Activity (Sport, Games/Yoga/Meditation etc.) Indoor & Outdoor games Activity	
TUE 14/08/2018	Proficiency Module-12 by Dept of Mechanical	Universal Human Values-10 by Prof. Nilofer & Nasrin Khan	Tea Break	Proficiency Module-13 by Dept of E & TC	Proficiency Module-14 by Dept of CSE	Lunch Break	Health Tips and Motivational Speech/Videos	
WED 15/08/2018	Lecture by Eminent Personality (Prof.A.Shelake)	Lecture by Eminent Personality (Prof.R.Nejkar)	Tea Break	Lecture by Eminent Personality (Prof.C.Gaikwad)	Lecture by Eminent Personality (Prof.A.Thoke)	Lunch Break	Lecture by Eminent Personality (Prof.Manik Patil)	Lecture by Eminent Personality (Dr.Vishal Patil)
THUR 16/08/2018	Visit to Historical Places (Masai Plateau, also known as the Masai Pathar)				Weekly Evaluation from Students	Lunch Break	GROUP DISCUSSION	

Day/Time	13 9:15-10:15	14 10:15-11:15	11:15-11:30	15 11:30-12:30	16 12:30-1:30	1:30-2:15	17 2:15-3:15	18 3:15-4:15
FRI 17/08/2018	Origami/Craft	Origami/Craft	Tea Break	Universal Human Values Activity-11 Prof.Ashok Kolekar	Universal Human Values Activity-12 by Prof.A.A.Kulkarni	Lunch Break	Creative Art (Drawing, Craft/painting/music/dance/signing)	
SAT 18/08/2018	Lecture by Eminent Personality (Prof.D.R.Shelar)	Proficiency Module-15 Diagnostic test (for English & Communication) by Prof.Ashok Kolekar	Tea Break	Lecture by Eminent Personality (Prof.Arvind Bhandare)	Lecture by Eminet Personality (Prof.Smt.Sneha Lad)	Lunch Break	Physical Activity (Sport, Games/Yoga/Meditation etc.) Indoor & Outdoor games Activity	
MON 20/08/2018	Physical Activity (Yoga/Meditation)	Physical Activity (Yoga/Meditation)	Tea Break	Universal Human Values13- by Prof.Ashok Kolekar	Universal Human Values-14 by Prof.A.A.Kulkarni	Lunch Break	Health Tips and Motivational Speech/Videos	
TUE 21/08/2018	Visit to Historical Places (Panhala Fort)	Feedback/Evaluation from Students	Lunch Break	Valedictory Function	Visit to Historical Places (Panhala Fort)	Feedback/Evaluation from Students	Lunch Break	

The IIPC Coordinators

Prof.Ashok B. Kolekar

Prof.Ankita Kulkarni

H.O.D

Dr.Vishal Patil

Academic Dean

Dr.Siddappa Bekinal

Principal

Dr.Mohan Vanrotti

Report – Soft/Life Skills Training Workshop-2022

- Learn how to manage their time
- Learn how to manage their emotions
- Learn how to establish and maintain healthy relationships
- Learn how to communicate effectively
- Learn to develop interpersonal skills and adopt good leadership behavior for empowerment of self and others

8. Place of Activity (venue): Drawing Hall & BS&H Department

9. Number of Participants: Total 184 students participated for this workshop

10. Participants from: All Branch Students from Engineering Department
(First Year)

11. Workshop Discussions & Hands on Training on:

Day 1 Monday (05/12/2022)	Introduction: Soft Skills & Communication <ul style="list-style-type: none"> ➤ In-demand soft skills, ➤ Clarity , Confidence, Respect, Empathy, Listening ➤ Verbal communication ,Non-verbal communication ➤ Written communication, Constructive feedback, Friendliness
	Practical Activities on Above
Day 2 Tuesday (06/12/2022)	Teamwork <p>--- Collaboration, Cooperation, Coordination,</p> <p>Delegation, Listening, Active listening,</p> <p>Idea exchange,Mediation,Negotiation</p>
	Practical Activities on Above
Day 3 Wednesday (07/12/2022)	Time Management <p>--- Prioritizing,Self-starter,Planning,</p> <p>Decision making ,Focus,Delegation,</p> <p>Stress management ,Coping,Organization,</p>
	Practical Activities on Above



Report – Soft/Life Skills Training Workshop-2022

<p>Day 4 Thursday (08/12/2022)</p>	<p>Problem solving ---Lateral thinking, Logical reasoning, Initiative Persistence, Observation, Persuasion, Negotiation, Brainstorming, Decision making</p>
	<p>Practical Activities on Above</p>
<p>Day 5 Friday (09/12/2022)</p>	<p>Critical thinking ----Problem solving, Logical reasoning, Brainstorming Creative thinking, Communication, Collaboration, Observation Applying data to real-world situations</p>
	<p>Practical Activities on Above</p>



Syllabus

Advanced Casting Technology

Unit I: Casting Design & Pattern / Die Making, pattern and die design considerations, Computer aided casting component design, Computer aided design and manufacturing of patterns and dies

Unit II: Sand Molding & Core Making Practices: High pressure molding technology, flask less molding technology, magnetic molding, Core shooters used in shell core making and cold box process,

Unit III: Permanent Mold & Special Casting Techniques: Process parameters for Die casting- gravity, pressure and low pressure, Centrifugal casting, Vacuum casting, Investment casting, squeeze casting,

Unit IV: Casting defects and their classification, rejection analysis, remedial measures

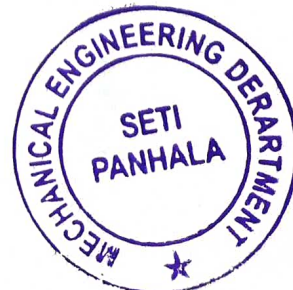


**Student Development Program On
“Productivity Improvement in Manufacturing Organization”**

25th February 2023 to 29th April 2023 [30Hrs]

Contents

- Unit 1: Introduction: Productivity**-----6 Hrs
Concept, Objectives, Factors Affecting Productivity, Types of Productivity, Macro & Micro Factors of Productivity, Tools & Techniques to Improve Productivity, Applications of Conventional Techniques to Improve Productivity, Case Studies.
- Unit 2: Seven Quality Control Tools**-----6 Hrs
Histogram, Pareto Chart, Flow Charts, Scatter Diagram, Stratification, Check Sheet, Cause and Effect Diagram, Control Charts, Case Studies.
- Unit 3: Rejection Analysis**-----6 Hrs
Concept, Importance of Rejection Analysis, Methodologies, 8D Methodology, Steps of 8D Methodology, Case Studies, 8D Formats.
- Unit 4: Tools & Techniques of TQM**-----6 Hrs
5 S Campaign, Poka-Yoke, Kaizen, Quality Circles, TQM implementation in Manufacturing Sector, Case Studies.
- Unit 5: PPAP Documentation**-----6 Hrs
Control Plans, Process Flow Diagram, Qualified Laboratory Documentation, FMEA, FMEA, Activities of Quality Department.





Holy-wood Academy, Kolhapur's

SANJEEVAN ENGINEERING AND TECHNOLOGY INSTITUTE

Sanjeevan Knowledge City, Somwar Peth- Injole, Panhala, Tal. Panhala, Dist. Kolhapur

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■ *Approved By AICTE, New Delhi* ■ *Recognized by Govt. of Maharashtra & DTE* ■ *Affiliated to Dr. Babasaheb Ambedkar Technological University, Raigad (DBATU),*

Website : www.seti.edu.in **Email :** principal@seti.edu.in / office@seti.edu.in

EN 6315

Syllabus of SDP on

“Introduction to Product Design”

Unit I:

Introduction to course, Product life-cycle, Product design & analysis process

Unit II:

Value engineering in product design, Problem identification and selection, Case studies

Unit III:

Introduction to product design tools, Computer Aided Design, Robust design, DFM, DFA

Unit IV:

Ergonomics in product design, Product design for manual assembly, Design guidelines for metallic and non-metallic products

Unit V:

Rapid prototyping, Needs, advantages, working principle of SLA, Needs, advantages, working principle of LOM and SLS

TATA TECHNOLOGY READY ENGINEER PROGRAM

2022 - 2023



Key Note Of The Center:-

1. The Center consist 'iGETIT' serves as a platform where software trainings for each and every software is available for Mechanical Engineering.
2. This Center encourage students for voluntary social activities like Tree Plantation, Digital Literacy and Cleaning etc.
3. This Center imparts soft skill training to the students and check their employability in each semester.
4. The center facilitates academia-industry interactions as well as academia-social interactions.

OBJECTIVE:-

To make Engineers 'Industry-Ready' by training them on engineering fundamentals & concepts, applications & contemporary technologies and soft skills to enhance their awareness, expand their industry connect & in process increase their employability.

Excepted Outcomes:-

1. Complete at least one Software training under Ready Engineer program.
2. Develop a good personality as well as employability.
3. Develop awareness about the social responsibility in students.

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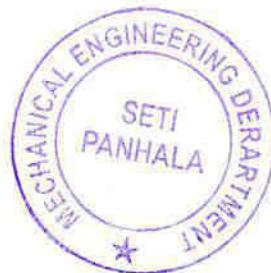
The objective of this innovation centers is to train the students as per the demand of Industry, as a READY ENGINEER. Through this innovation centre TATA Technology is providing e-Learning material of almost each and every software available in Mechanical Engineering field. This e-Learning material consists Recorded Video Lectures, Animations, Quiz, etc. All the software are divided into different modules and domains as per the software structure. TATA Technology has provided a platform of 'i GET IT' website, where enrolled student can find all the material available. Every module is provided for fields like Design and Development, Die Design, Fixture Design, Formability, BIW (Body in White) fixture Design, etc.

At first TATA RE course was only about the software modules, from 2018-19 TATA Technology also included Soft skill training, Employability Tests and NPTEL courses. So the TATA RE course ensures that a student will become READY for industry in all the aspect.

Following activities are conducted during AY 2019-20

1. There are total 35 Second Year students are registered for the Ready Engineer Course for AY 2019-20.
2. Two tests based on logical reasoning and aptitude were conducted by TATA technology through Aspire mind.

Same students are continued for AY 2020 -21 whose training is started one semester is completed.



Dr. V.H. Deshpande

[Signature]
PRINCIPAL

Sanjeevan Engg. & Tech. Institute
Somwar Peth, Panhala - 416 201

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