



DEPARTMENT OF MECHANICAL ENGINEERING

Summary sheet of add on course conducted academic year :: (2021-22)

S.No	Name of the event	Type of the event	Resource person details	Number of participants	date
1	Introduction to Auto CAD	add on course	N.CHANDRA SEKHARA RAO	56	05-04-2021 to 10-04-2021
2.	Introduction to SOLID EDGE	add on course	N.CHANDRA SEKHARA RAO	56	12-05-2021 to 17-05-2021

1. Introduction to Auto CAD

Dr.K.Ramaiah
Secretary & correspondant
Prakasam Engineering college Kandukur.

PATRON
Dr.CH.RaviKumar M.Tech., Ph.D.
Principal
Prakasam Engineering college Kandukur

CONVENER
Dr.G.V.PUNNARAO M.Tech., Ph.D.
Head of Department
Department of Mechanical Engineering
Prakasam Engineering college Kandukur

Co-Ordinator
Dr.K.SINGAIAH M.Tech.

ENGINEERING COLLEGE
Approved by AICTE, New Delhi | Affiliated to JNTU - Kakinada

AUTO CAD
on
VAC09 - AUTO CAD
05.04.2021-10-04-2021
Organized by
MECHANICAL Engineering.

venue: B2/F1/1/MECH-1

For any details, please contact
Course In-charge
Dr.K.SINGAIAH
Associate Professor

COURSE OBJECTIVES

Upon completion of the course students will be able to: Utilize the power and precision of AutoCAD as a drafting and design tool used in the mechanical design and manufacturing industries. Apply basic CAD concepts to develop and construct accurate 2D geometry through creation of basic geometric constructions.

COURSE OUTCOMES (COS)

At the end of the course, students can be able to
Identifying System and application security threats and vulnerabilities
Ability to resolve the security threats and vulnerabilities

EMENANT SPEAKER
Mr. S. CHANDRA SEKHARA ARO
CETD, VISAKHAPATNAM



CONTENT

- > AutoCAD versions Interface
- > Function keys AutoCAD basics
- > ABSOLUTE COORDINATE SYSTEM RELATIVE COORDINATE SYSTEM
- > Line command Poly line command Rectangle command
- > Move, Rotate, Scale, copy, Mirror, erase, trim, extend > Frames and frame sets
- Linear, Aligned, Radius Angular, Arc length
- Single line text Multiline text Layer properties Insert blocks
- Isometric top, left, right Isometric diagrams
- Drawing Area Setup Visual reference
- floor plan, detached house semi detached house
- residential house public buildings
- 1 st floor 2 nd floor elevation door elevation windows
- > AutoCAD workspaces are sets of menus





2. Introduction to SOLID EDGE

<p>CHIEF PATRON Dr.K.Ramaiah Secretary & correspondent Prakasam Engineering college, Kandukur</p> <p>PATRON Dr. CH. RAVI KUMAR, M.Tech., Ph.D Principal Prakasam Engineering college, Kandukur</p> <p>CONVENER Dr.G.V .PUNNA RAO, M.Tech., Ph.D Head of Department. Department of Mechanical Engineering Prakasam Engineering college, Kandukur</p> <p>Co-Ordinator Dr. K.Singalah Associate Professor.</p>	<p> PRAKASAM ENGINEERING COLLEGE <small>Approved by AICTE, New Delhi Affiliated to JNTU - Kakinada</small></p> <p>Value Added Course 01 VAC003 - SOLID WORK BENCH 12.05.2021-17-05-2021 Organized by Department of Mechanical Engineering</p> <p> Venue: B2/F1/1/MECH-1</p> <p>For any details, please contact Course In-charge Dr.K.Singalah M.Tech Associate Professor. 9989238381</p>
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<p>COURSE OBJECTIVES</p> <p>Advanced Certification course in Creo (SOLID E) aims to train its students on how to use the Application in creating drawings and layouts of mechanical, aeronautical, machine, automotive and other relevant engineering areas. Upon completion of the course, the student would be able to make detailed projects. Learn Pro E course by TGC India in Delhi and Jaipur. Training is being imparted by working professionals and Jaipur. Training is being imparted by working professionals.</p> <p>COURSE OUTCOMES (COS)</p> <p>At the end of the course, student will be able to</p> <ul style="list-style-type: none">Sketching Parts in 2D environment.Sketching parts in 3D environment.Constraints and measures to define a sketch.Create complex parts by creating and modifying multiple bodies. <p>EMENANT SPEAKER Mr.N.CHANDRASHEKAR CITD ,VIJAYAWADA</p>	<p>CONTENT</p> <ul style="list-style-type: none">• Introduction to Pro Engineer, User Interface Overview• File operation, Sketch Mode, Dimensioning a Sketch• Working with Constraints, Modifying Dimensions• Trimming, Mirroring, Palettes, Fillets, Splines• Importing Sketches Scaling and Rotating• Extrude Discussion Revolve Default Datum Planes• Patterns Copying Features, Mirroring Geometry Model Sections• Sweep Features Blend Features, Datum Curves Draft Features• Variable Section Sweep Swept Blend, Blend Section to Surface• Blend Between Surfaces, Toroidal Bend Spinal Bend• Installation Procedures
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