



# SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

## **SCHOOL OF MECHANICAL ENGINEERING** **DEPARTMENT OF MECHANICAL ENGINEERING**

*Organizes Training Program on*

### **DRAFTING AND MODELLING USING AUTOCAD**

**22<sup>nd</sup> August to 9<sup>th</sup> September 2016**



AUTODESK®  
AUTOCAD®

#### **Course Contents:**

- » Basics of AutoCAD
- » 2D Drawing
- » 3D Modelling
- » Extract BOM
- » Modify AutoCAD Drawing

## **OPEN TO ALL STUDENTS OF** **SCHOOL OF MECHANICAL ENGINEERING**

**For more details and Registrations Contact:**

Mr. Britto Joseph  
Assistant Professor  
Department of Mechanical Engineering  
Mob: 95660 59815

Mr. J. Jeyaveevan  
Assistant Professor  
Department of Mechanical Engineering  
Mob: 91769 01505

**VALUE ADDED COURSE ON  
AUTOCAD**

**COURSE INTRODUCTION:**

This is a specially designed course for the Undergraduate students of Mechanical Engineering to learn all important tools and commands of the AutoCAD software. The course is designed with several practical examples and practice hours to model and assemble the mechanical components and assembly. The course will definitely upskill your ability to improve your standard and knowledge level in the field of computer aided design applications.

**COURSE OUTCOMES:**

At the end of the course, the participants will be able to:

- Construct the given 2D sketches using AutoCAD package.
- Prepare the printable drawing sheet with model, dimensions, annotations, and other drawing entities.

| Module | Topics                                                                                                                                                                                               | Name of the Faculty | No of Sessions | Venue        |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------|--------------|
| 1      | Getting Started with AutoCAD<br>Starting the Software User Interface<br>Working with Commands<br>Cartesian Workspace<br>Opening an Existing Drawing File<br>Viewing Your Drawing<br>Saving Your Work | Mr.Britto Joseph    | 3 hr           | Seminar Hall |
| 2      | Basic Drawing and Editing Commands<br>Drawing Lines<br>Erasing Objects<br>Drawing Vertical and Horizontal Lines<br>Drawing Rectangles<br>Drawing Circles<br>Undo and Redo Actions                    | Mr.Britto Joseph    | 2 hr           | Seminar Hall |

|   |                                                                                                                                                                                        |                  |      |              |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------|--------------|
|   |                                                                                                                                                                                        |                  |      |              |
| 3 | Projects: Creating a Simple Drawing<br>Create a Simple Drawing<br>Create Simple Shapes                                                                                                 | Mr.Britto Joseph | 2 hr | Seminar Hall |
| 4 | Drawing Precision in AutoCAD<br>Using Running Object Snaps<br>Using Object Snap Overrides<br>Polar Tracking at Angles<br>Object Snap Tracking (Optional)<br>Drawing with Snap and Grid | Mr.Britto Joseph | 2 hr | Seminar Hall |
| 5 | Making Changes in Your Drawing<br>Selecting Objects for Editing<br>Moving Objects<br>Copying<br>Rotating Objects<br>Scaling Objects<br>Mirroring Objects<br>Editing with Grips         | Mr.Britto Joseph | 2 hr | Seminar Hall |

|    |                                                                                                                                                                                          |                   |      |                 |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------|-----------------|
| 6  | Organizing Your<br>Drawing with Layers<br>Creating New Drawings<br>With Templates<br>What are Layers?<br>Layer States<br>Changing an Object's<br>Layer                                   | Mr.Britto Joseph  | 2 hr | Seminar<br>Hall |
| 7  | Advanced Object Types<br>Drawing Arcs<br>Drawing Polylines<br>Editing Polylines<br>Drawing Polygons<br>Drawing Ellipses                                                                  | Mr.Britto Joseph  | 2 hr | Seminar<br>Hall |
| 8  | Advanced Editing<br>Commands<br>Trimming and<br>Extending Objects<br>Stretching Objects<br>Creating Fillets and<br>Chamfers<br>Offsetting Objects<br>Creating Arrays of<br>Objects       | Mr.J.Jeyajeevahan | 2 hr | Seminar<br>Hall |
| 9  | Inserting Blocks<br>What are Blocks?<br>Working with Dynamic<br>Blocks<br>Inserting Blocks<br>Inserting Blocks using<br>the Tool Palettes<br>Inserting Blocks using<br>the Design Center | Mr.J.Jeyajeevahan | 2 hr | Seminar<br>Hall |
| 10 | Setting Up a Layout<br>Working in Layouts<br>Creating Layouts<br>Creating Layout<br>Viewports<br>Guidelines for Layouts                                                                  | Mr.J.Jeyajeevahan | 2 hr | Seminar<br>Hall |

|    |                                                                                                                                                                                                                                                     |                   |      |                 |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------|-----------------|
| 11 | Printing Your Drawing<br>Printing Concepts<br>Printing Layouts<br>Print and Plot Settings                                                                                                                                                           | Mr.J.Jeyajeevahan |      | Seminar<br>Hall |
| 12 | Dimensioning and<br>Annotations<br>Working with<br>Annotations<br>Adding Text in a<br>Drawing<br>Modifying Multiline Text<br>Formatting Multiline<br>Text<br>Adding Notes with<br>Leaders to Your<br>Drawing<br>Creating Tables<br>Modifying Tables | Mr.J.Jeyajeevahan | 3 hr | Seminar<br>Hall |
| 13 | Hatching<br>Editing Hatches                                                                                                                                                                                                                         | Mr.J.Jeyajeevahan | 2 hr | Seminar<br>Hall |
| 14 | Adding Dimensions<br>Dimensioning Concepts<br>Adding Linear<br>Dimensions<br>Adding Radial and<br>Angular Dimensions<br>Editing Dimensions                                                                                                          | Mr.J.Jeyajeevahan | 2 hr | Seminar<br>Hall |

COURSE COORDINATOR

**Mr.Britto Joseph**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 95660 59815**

**Mr.J.Jeyajeevahan**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 91769 01505**

**SATHYABAMA UNIVERSITY**  
**DEPARTMENT OF MECHANICAL; ENGINEERING**

CHENNAI – 600119.

Batch: 2014 – 18

List of Participants

| <b>S.No.</b> | <b>Register No.</b> | <b>Name of the Student</b>          |
|--------------|---------------------|-------------------------------------|
| 1.           | 3415004             | ABHISHEK KUMAR SINHA                |
| 2.           | 3415005             | ABINESH.A                           |
| 3.           | 3415006             | ADDAGIRI V. S. B. A. MANIDHAR       |
| 4.           | 3415010             | ADURI VENKATA VIHARI                |
| 5.           | 3415012             | AISHWARAYA UNNAMALAI VAIRAVAN       |
| 6.           | 3415018             | AMBADIPUDI DATTA SAI CHAITANYA      |
| 7.           | 3415065             | BODDA SAIRAJ KUMAR                  |
| 8.           | 3415067             | BONTHU SIVA SANDEEP                 |
| 9.           | 3415070             | CHAKAWARTY ADHIAMAAN                |
| 10.          | 3415072             | CHANDRAGIRI VENKATA SAIKIRAN        |
| 11.          | 3415074             | CHAPPIDI PRIYA RANJAN REDDY         |
| 12.          | 3415076             | CHILAKALA V M SRIRAM SAI AKHIL      |
| 13.          | 3415077             | CHILUKURI VENKATA NAGA SESHKUMAR    |
| 14.          | 3415094             | DHINESH.S                           |
| 15.          | 3415095             | DILIPKUMAR.S                        |
| 16.          | 3415098             | DUDALA TRINATH PHANI SANKAR         |
| 17.          | 3415100             | ELANTHENDRAL.J                      |
| 18.          | 3415103             | GADIRAJU SHYAM KRISHNA              |
| 19.          | 3415104             | GAJULA SREEKAR VAMSI KRISHNA        |
| 20.          | 3415105             | GAMPALA V V SATYA DURGA VIJAY KUMAR |
| 21.          | 3415111             | GOKUL KRISHNAN.R                    |
| 22.          | 3415117             | GUMMALA ANIL KUMAR                  |
| 23.          | 3415120             | HARI KUMAR.S                        |
| 24.          | 3415121             | HARIHARAN. V                        |
| 25.          | 3415122             | HARINDRA.C                          |
| 26.          | 3415142             | JONNALA NAGA SAINIKHIL              |
| 27.          | 3415146             | JOSI JUDE.S                         |

|     |         |                                   |
|-----|---------|-----------------------------------|
| 28. | 3415147 | KADURU HARSHA VARDHAN             |
| 29. | 3415149 | KAKARLA LOK NATH REDDY            |
| 30. | 3415153 | KANUMOLU VENKATA VARUN            |
| 31. | 3415160 | KESAVABHATLA SREE SREE DUTH       |
| 32. | 3415161 | KESAVAN G                         |
| 33. | 3415165 | KISHOREKUMAR.S                    |
| 34. | 3415166 | KOLLA MAHESH                      |
| 35. | 3415168 | KONDRAGANTI VENKATESH             |
| 36. | 3415171 | KOTHURI SRI VARUN                 |
| 37. | 3415172 | KOVVURI AKHIL SREE LALITESH REDDY |
| 38. | 3415174 | KURIAN KURIAN                     |
| 39. | 3415177 | MAGESH.S                          |
| 40. | 3415180 | MAHESH. S                         |
| 41. | 3415182 | MAKIREDDY JAWAHAR REDDY           |
| 42. | 3415183 | MALAPATI GUNASEKHAR CHOWDARY      |
| 43. | 3415255 | PURIMETLA NAVEEN KUMAR            |
| 44. | 3415257 | PYLA DHARMENDRA                   |
| 45. | 3415260 | RAGHAVENDIRAN. V                  |



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**SCHOOL OF MECHANICAL ENGINEERING**  
**DEPARTMENT OF MECHANICAL ENGINEERING**

*Organizes Training Program on*  
**DRAFTING AND MODELLING USING AUTOCAD**

**22<sup>nd</sup> AUGUST to 9<sup>th</sup> SEPTEMBER 2016**

## PARTICIPATION CERTIFICATE

This is to certify that Ms. AISHWARAYA UNNAMALAI VAIRAVAN of 3<sup>rd</sup> YEAR  
MECHANICAL has attended the 3 Week Training Program on **DRAFTING AND**  
**MODELLING USING AUTOCAD** organized by the Department of Mechanical  
Engineering, Sathyabama University, Chennai from 22<sup>nd</sup> August to 9<sup>th</sup> September 2016.

  
**Dr.A.KRISHNAMOORTHY**  
**HOD MECHANICAL**

  
**Dr.S.PRAKASH**  
**DEAN MECHANICAL**



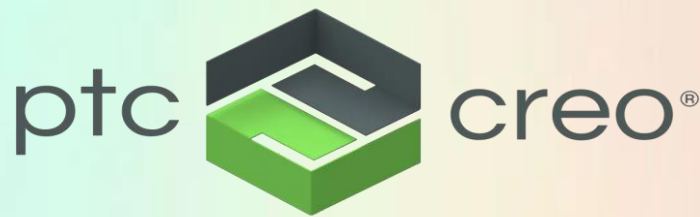
# SATHYABAMA UNIVERSITY

(Established under section 3 of UGC Act, 1956)

## **SCHOOL OF MECHANICAL ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING**

Organizes a 3 Week Hands on Training Program on

### **DRAFTING AND MODELLING USING CREO**



**10<sup>th</sup> October to 29<sup>th</sup> October 2016**

#### **Course Modules:**

- |                                             |                                     |
|---------------------------------------------|-------------------------------------|
| » Introduction to the tools                 | » Measuring, Inspecting Models      |
| » Using Sketches & Datum Features           | » Editing of Geometry & Features    |
| » Creating Extrudes & Revolves              | » Creating Rounds, Chamfers, Layers |
| » Creating Holes, Shells, Drafts & Patterns | » Sheet Metal Design Process        |

**OPEN TO ALL STUDENTS OF SCHOOL OF MECHANICAL ENGINEERING**

**(Registrations will be on a First Come First Serve basis)**

**For more details and Registrations Contact:**

**Mr.J.Jeyajeevahan**

**Assistant Professor**

**Department of Mechanical Engineering**

**Mob: 91769 01505**

**Mr.R.B.Durairaj**

**Assistant Professor**

**Department of Mechanical Engineering**

**Mob: 73055 33500**

**VALUE ADDED COURSE**  
**ON**  
**DRAFTING AND MODELING USING CREO**

**COURSE INTRODUCTION:**

This course is designed in such a way that you will learn about all important tools and commands of the Creo Parametric software for designing the mechanical components and assembly. This is a streamlined course to take you from knowing nothing about the Creo Parametric software to give you all the knowledge and skills needed to become a certified Creo Parametric based CAD designer.

**COURSE CONTENTS:**

**2. Value Added Program on Drafting and Modelling Using Creo**

| <b>Module</b> | <b>Topics</b>                                                                                                                                                                                                                                                                   | <b>Name of the Faculty</b> | <b>No of Sessions</b> | <b>Venue</b> |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------|--------------|
| 1             | Introduction to Creo Parametric<br>Getting Started with Creo Parametric<br>File Menu Options, Menu Manager<br>Managing Files<br>Understanding the Functions of the Mouse Buttons<br>Model Tree, Ribbon, Toolbars, Navigator<br>Appearance Gallery, Rendering in Creo Parametric | Mr.R.B.Durairaj            | 5 hrs                 | Seminar Hall |
| 2             | 2D Sketching:<br>Drawing a Sketch Using tools available in the Sketch Tab: Placing a Point, Drawing a Line, Centreline, Geometry Centreline, Rectangle, Circle, Ellipse, Arc, Polygon, Fillets, and Spline.                                                                     | Mr.R.B.Durairaj            | 5 hrs                 | Seminar Hall |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                 |       |                 |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------|-----------------|
|   | <p>Dimensioning the Sketch:<br/>         Dimensioning a Sketch<br/>         Using the Baseline Tool,<br/>         Replacing the Dimensions<br/>         of a Sketch Using the<br/>         Replace Tool, Linear<br/>         Dimensioning of a Line,<br/>         Angular Dimensioning of<br/>         an Arc, Diameter<br/>         Dimensioning Radial.<br/>         Working with Constraints:<br/>         Types of Constraints,<br/>         Disabling Constraints,<br/>         Modifying the Dimensions<br/>         of a Sketch.<br/>         Rotating and Resizing<br/>         Entities.<br/>         Importing 2D Drawings in<br/>         the Sketch Mode</p>                                                                                                                                                                    |                 |       |                 |
| 3 | <p>3D Part Modeling:<br/>         Understanding the<br/>         Orientation of Datum<br/>         Planes: Default Datum<br/>         Planes, Creating Datum<br/>         Planes, Datum Axes and<br/>         Datum Points,<br/>         Creating Base Features:<br/>         Extruding a Sketch,<br/>         Removing Material by<br/>         Using the Extrude Tool,<br/>         Revolving a Sketch,<br/>         Removing Material by<br/>         Using the Revolve Tool,<br/>         Creating Holes, Creating<br/>         Rounds, Creating<br/>         Chamfers, Understanding<br/>         Ribs, Creating Feature<br/>         Patterns, Copying<br/>         Features, Mirroring a<br/>         Geometry, Creating a<br/>         Section of a Solid Model,<br/>         Creating Sweep<br/>         Protrusions, Creating</p> | Mr.R.B.Durairaj | 5 hrs | Seminar<br>Hall |

|   |                                                                                                                                                                                                                                                                                                                                                                    |                   |       |              |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|--------------|
|   | <p>Blend feature, Creating Shell feature, Creating Datum Curves.</p> <p>Advanced modeling tools: Variable Section Sweep Using the Sweep Option, Swept Blend, Helical Sweep, Blend Section to Surfaces, Blend Between Surfaces, Toroidal Bend, Spinal Bend, Warp Tool, Transform Tool, Spine Tool, Stretch Tool, Bend Tool, Twist Tool, Sculpt Tool.</p>            |                   |       |              |
| 4 | <p>Assembly Modeling: Creating Top-down Assemblies</p> <p>Creating Bottom-up Assemblies</p> <p>Assembling Components</p> <p>Modifying the Components of an Assembly</p>                                                                                                                                                                                            | Mr.J.Jeyajeevahan | 5 hrs | Seminar Hall |
| 5 | <p>Drawing Templates and Annotations:</p> <p>Generating Drawing Views: General View, Projection View, Detailed View, Auxiliary View, Revolved Section View, Copy and Align View, 3D Cross-Section View</p> <p>Editing the Drawing Views</p> <p>Dimensioning the Drawing Views</p> <p>Adding Notes to the Drawing</p> <p>Adding Tolerances in the Drawing Views</p> | Mr.J.Jeyajeevahan | 5 hrs | Seminar Hall |

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |       |              |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------|--------------|
|   | Adding Balloons to the Assembly Views                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |       |              |
| 6 | <p>Surface Modeling</p> <p>Creating Surfaces:</p> <p>Extruded Surface, Revolved Surface, Sweep Surface, Blended Surface, Swept Blend Surface, Helical Sweep Surface, Surface by Blending the Boundaries, Variable Section Sweep Surface</p> <p>Using the Sweep Tool.</p> <p>Surface Editing Tools:</p> <p>Mirroring the Surfaces, Merging the Surfaces, Trimming the Surfaces, Creating the Fill Surfaces, Creating the Intersect Curves, Creating the Offset Surfaces, Adding Thickness to a Surface, Converting a Surface into a Solid, Creating a Round at the Vertex of a Surface.</p> | Mr.J.Jeyajeevahan | 5 hrs | Seminar Hall |

### Course Coordinator

**Mr.J.Jeyajeevahan**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 91769 01505**

**Mr.R.B.Durairaj**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 73055 33500**

**SATHYABAMA UNIVERSITY**  
**DEPARTMENT OF MECHANICAL; ENGINEERING**  
 CHENNAI – 600119.  
 Batch: 2014 – 18  
 Participants list

| <b>S.No.</b> | <b>Register No.</b> | <b>Name of the Student</b>          |
|--------------|---------------------|-------------------------------------|
| 1.           | 3415001             | ABDULLAH ZAID.Z                     |
| 2.           | 3415002             | ABHINANDAN SURANA                   |
| 3.           | 3415004             | ABHISHEK KUMAR SINHA                |
| 4.           | 3415005             | ABINESH.A                           |
| 5.           | 3415006             | ADDAGIRI V. S. B. A. MANIDHAR       |
| 6.           | 3415010             | ADURI VENKATA VIHARI                |
| 7.           | 3415056             | BARATAM SUPRAJ KUMAR                |
| 8.           | 3415058             | BAREDDY KARTHEEK REDDY              |
| 9.           | 3415061             | BHARGAV KONDADASULA                 |
| 10.          | 3415062             | BHUMA PRUTHVI KUMAR                 |
| 11.          | 3415064             | BOAZ ABISHAKTH MYLABATHULA          |
| 12.          | 3415095             | DILIPKUMAR.S                        |
| 13.          | 3415098             | DUDALA TRINATH PHANI SANKAR         |
| 14.          | 3415100             | ELANTHENDRAL.J                      |
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| 20.          | 3415122             | HARINDRA.C                          |
| 21.          | 3415124             | IMRAN.S                             |
| 22.          | 3415142             | JONNALA NAGA SAINIKHIL              |
| 23.          | 3415146             | JOSI JUDE.S                         |

|     |         |                                   |
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| 26. | 3415153 | KANUMOLU VENKATA VARUN            |
| 27. | 3415156 | KARTHIKEYAN.R                     |
| 28. | 3415157 | KATTA PRUDHIVI RAJ VENKAT         |
| 29. | 3415158 | KEDARISSETTI VARA KUMAR           |
| 30. | 3415171 | KOTHURI SRI VARUN                 |
| 31. | 3415172 | KOVVURI AKHIL SREE LALITESH REDDY |
| 32. | 3415174 | KURIAN KURIAN                     |
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| 35. | 3415182 | MAKIREDDY JAWAHAR REDDY           |
| 36. | 3415183 | MALAPATI GUNASEKHAR CHOWDARY      |
| 37. | 3415195 | MARTHALA NAVEEN KUMAR REDDY       |
| 38. | 3415197 | MATAM PRAFULLA SAI                |
| 39. | 3415200 | MD ATIF SAAD. P                   |
| 40. | 3415202 | MEKA PRANEETH KUMAR               |
| 41. | 3415230 | PADMANABAN. S                     |
| 42. | 3415232 | PALETI DEEPAK                     |
| 43. | 3415233 | PAMARTI HARSHA                    |
| 44. | 3415234 | PANYAM VISHNU VARDHAN REDDY       |
| 45. | 3415237 | PEDAPATI KASI VISWANADH           |



**SATHYABAMA UNIVERSITY**

(Established under section 3 of UGC Act, 1956)

**SCHOOL OF MECHANICAL ENGINEERING  
DEPARTMENT OF MECHANICAL ENGINEERING**

Organizes a 3 week Hands on Training Program on  
**DRAFTING AND MODELLING USING CREO**

**10<sup>th</sup> OCTOBER to 29<sup>th</sup> OCTOBER 2016**

## **PARTICIPATION CERTIFICATE**

This is to certify that Mr.DDAGIRI V. S. B. A. MANIDHAR of 3<sup>rd</sup> Year Mechanical  
has attended the 3 Week Hands on Training Program on **DRAFTING AND MODELLING**  
**USING CREO** organized by the Department of Mechanical Engineering, Sathyabama  
University, Chennai from 10<sup>th</sup> October to 29<sup>th</sup> October 2016.

**Dr.A.KRISHNAMOORTHY**  
**HOD MECHANICAL**

**Dr.S.PRAKASH**  
**DEAN MECHANICAL**



# SATHYABAMA UNIVERSITY

( Established under section 3 of UGC Act, 1956) Accredited by NAAC ( A Christian Minority Institution )

"ENTRY IS NOT IMPORTANT, EXIT IS IMPORTANT"

LEARN TODAY - LEAD TOMORROW



## SCHOOL OF MECHANICAL ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING



**ORGANIZES 3 WEEK HANDS ON PRACTICE ON**

## **Welding Technology**

**16<sup>th</sup> January to 3<sup>rd</sup> February 2017**

**Complete coverage of following Topics including Hands on Training:**

- |                           |                                 |
|---------------------------|---------------------------------|
| » Basics of Welding       | » Gas and Arc welding equipment |
| » Types of Welding        | » Welding positions             |
| » Types of welding joints | » Defects in Welding            |

**OPEN TO ALL STUDENTS OF SCHOOL OF MECHANICAL ENGINEERING**

**For more details and Registrations Contact:**

**Mr.V.Sriram**

**Assistant Professor**

**Department of Mechanical Engineering**

**Mob: 99445 32627**

**Mr.R.Siva**

**Assistant Professor**

**Department of Mechanical Engineering**

**Mob: 99446 66660**

[www.sathyabamauniversity.ac.in](http://www.sathyabamauniversity.ac.in)

### Hands on practice of Welding Technology

| Module | Topics                                                                                                          | Name of the Faculty | No of Sessions | Venue        |
|--------|-----------------------------------------------------------------------------------------------------------------|---------------------|----------------|--------------|
| 1      | Introduction to Welding                                                                                         | Mr.V.Sriram         | 3 hrs          | Seminar Hall |
| 2      | Introduction to Blueprints (Welding Symbols), Hand and Power Tools, and Basic Rigging                           | Mr.V.Sriram         | 3 hrs          | Seminar Hall |
| 3      | Base Metal Preparation, Weld Quality, Oxy-fuel Cutting                                                          | Mr.V.Sriram         | 3 hrs          | Seminar Hall |
| 4      | Introduction to Shielded Metal Arc Welding (SMAW) (Equipment and Setup, Electrodes, Beads and Fillet Welds)     | Mr.V.Sriram         | 3 hrs          | Seminar Hall |
| 5      | Orientation and Safety                                                                                          | Mr.V.Sriram         | 3 hrs          | Seminar Hall |
| 6      | Introduction to Gas Metal Arc Welding (GMAW), Flux Core Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW) | Mr.R.Siva           | 3 hrs          | Seminar Hall |
| 7      | Welded Pipefitting                                                                                              | Mr.R.Siva           | 3 hrs          | Seminar Hall |
| 8      | Production Welding Processes<br>Chamfers                                                                        | Mr.R.Siva           | 3 hrs          | Seminar Hall |

|    |                                                 |           |       |              |
|----|-------------------------------------------------|-----------|-------|--------------|
| 9  | Gas Supplies and gas distribution system Blocks | Mr.R.Siva | 3 hrs | Seminar Hall |
| 10 | Gas Welding Rods & Fluxes                       | Mr.R.Siva | 3 hrs | Seminar Hall |

### **Course Outcome**

Demonstrate safe workplace practices by identifying potential hazards, Fabricate and assemble a given project according to specifications and specified tolerances, producing drawings using freehand sketching techniques, Recognizing and interpreting weld symbols

### **Course Coordinator**

**Mr.V.Sriram**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 99445 32627**

**Mr.R.Siva**  
**Assistant Professor**  
**Department of Mechanical Engineering**  
**Mob: 99446 66660**

**SATHYABAMA UNIVERSITY**  
**DEPARTMENT OF MECHANICAL; ENGINEERING**  
CHENNAI – 600119.

Batch: 2013 – 17

Participants list

| <b>S.No.</b> | <b>Register No.</b> | <b>Name of the Student</b>           |
|--------------|---------------------|--------------------------------------|
| 1.           | 3315036             | ARJUN MATHEW                         |
| 2.           | 3315039             | AROCKIA JERALD JOYSON.J              |
| 3.           | 3315043             | ARUN.E                               |
| 4.           | 3315045             | ARUNRAJ.V                            |
| 5.           | 3315047             | ARVIND MANIKANDAN.U                  |
| 6.           | 3315053             | AVINESH.C                            |
| 7.           | 3315055             | BALAJI.K                             |
| 8.           | 3315056             | BALAJI.R                             |
| 9.           | 3315088             | DAKSHIN BHASKER                      |
| 10.          | 3315089             | DANIEL RAJ.B                         |
| 11.          | 3315090             | DEENA.P                              |
| 12.          | 3315091             | DEEPAN.P                             |
| 13.          | 3315093             | DINAKARAN.N                          |
| 14.          | 3315094             | DINESH BABU.A.R                      |
| 15.          | 3315095             | DINESH KUMAR.B                       |
| 16.          | 3315096             | DIPAK.P                              |
| 17.          | 3315097             | DURAI PANDIAN.R                      |
| 18.          | 3315098             | DUSHYANTH.D                          |
| 19.          | 3315099             | ELANGOVAN.S                          |
| 20.          | 3315100             | ELWIN DEV SEBA.J                     |
| 21.          | 3315102             | ESHWAR.S                             |
| 22.          | 3315103             | GADDAM MALIKIREDDY RAGHAVENDRA REDDY |
| 23.          | 3315104             | GADIKOTA YESWANTHKUMAR REDDY         |
| 24.          | 3315106             | GALIVEETI VISHNU REDDY               |
| 25.          | 3315147             | JOMS THOMAS                          |
| 26.          | 3315148             | JOSEPH KAJOL YUKKARIST.S             |
| 27.          | 3315149             | JOSEPH PAUL STALLAN.J                |

|     |         |                                    |
|-----|---------|------------------------------------|
| 28. | 3315150 | KAGITA RAJARSHI KUSHWANTH GOUD     |
| 29. | 3315153 | KANCHAM REDDY NAVEEN KUMAR REDDY   |
| 30. | 3315154 | KANCHI PAVAN KUMAR                 |
| 31. | 3315155 | KANDULA HEMANTH KUMAR              |
| 32. | 3315157 | KARTHIK GURU.N                     |
| 33. | 3315158 | KEERTHAN.J.S                       |
| 34. | 3315159 | KEVIN MAMMEN JOHN KOKKODI          |
| 35. | 3315185 | MANOJ KUMAR.P                      |
| 36. | 3315186 | MANOJ.A                            |
| 37. | 3315189 | MARGANI DURGANADH                  |
| 38. | 3315192 | MARK CALVIN.S                      |
| 39. | 3315195 | MEKALA RUPA VENKATA JESWANTH REDDY |
| 40. | 3315199 | MOHAMED JUNAID                     |
| 41. | 3315201 | MOHAMMAD ZEESHAN                   |
| 42. | 3315203 | MOHAN.V                            |
| 43. | 3315204 | MOLABANTI KOTESWARA RAO            |
| 44. | 3315238 | PARTHIBAN.Y                        |
| 45. | 3315239 | PATEL JAYMIN TUSHAR BHAI           |
| 46. | 3315240 | PATTABHI SOHAN KRISHNA             |
| 47. | 3315241 | PAUL DWAYNE COLIN BARDOLPH         |
| 48. | 3315242 | PAZHANI MURUGESH.R.S               |
| 49. | 3315243 | PAZHANIAPPAN.K                     |



**SATHYABAMA UNIVERSITY**

(Established under section 3 of UGC Act, 1956)

**SCHOOL OF MECHANICAL ENGINEERING  
DEPARTMENT OF MECHANICAL ENGINEERING**

**ORGANIZES 3 WEEK HANDS ON PRACTICE ON  
WELDING TECHNOLOGY**

**16<sup>th</sup> JANUARY to 3<sup>rd</sup> FEBRUARY 2017**

## **PARTICIPATION CERTIFICATE**

This is to certify that **Mr.GADDAM MALIKIREDDY RAGHAVENDRA REDDY** of  
**4<sup>th</sup> Year Mechanical** has attended the 3 Week Hands on Practice on **WELDING  
TECHNOLOGY** organized by the Department of Mechanical Engineering, Sathyabama  
University, Chennai from 16<sup>th</sup> January to 3<sup>rd</sup> February 2017.

**Dr.A.KRISHNAMOORTHY  
HOD MECHANICAL**

**Dr.S.PRAKASH  
DEAN MECHANICAL**