



SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY
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SCHOOL OF MECHANICAL ENGINEERING DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

DRAFTING AND MODELLING USING



23rd SEPTEMBER to 11th OCTOBER 2019

Course Contents:

- ◆ Introduction to CATIA Tools
- ◆ Part Modelling
- ◆ Generative Shape Design
- ◆ Assembly Modelling
- ◆ Kinematic Simulation

FREE REGISTRATION

CERTIFICATE WILL BE PROVIDED

For more details and Registrations Contact:

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

A Short Term course on Drafting and Modeling using CATIA V5

Course outline

Computer Aided Design (CAD) is the powerful tool in design and manufacturing industries with its flexibility, reliability, efficient and cost effectiveness. With the use of CAD software, one can easily visualize and see the final product at the design stage itself with the use of computer. The final product can be modified easily according to the need of application. **Sathyabama Institute of Science and Technology, Department of Mechanical Engineering** offers a course on Computer Aided Design (CAD) using CATIA V5 software. CATIA is a multi-platform software suite for CAD, CAM, CAE, PLM, etc. This software is developed by a French company Dassault Systems, which is one of the popular and powerful CAD packages available on PC platforms and also a general-purpose CAD program for Part and Assembly Models. One can customize the powerful drawing tool to suit their specific application. The course discusses about

COURSE CONTENTS

Module	Topics	Name of the Faculty	No of Sessions	Venue
1	Introduction-CATIA as CAD software: Concept of Parametric Modeling, Feature Based Modeling, User Interface, Mouse operations, File types and Management, drawing profiles. Major user industries of CATIA. Why CATIA is preferred?	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall
2	Sketcher: Profile toolbar, operation (corner, chamfer, transformations, project 3D element), constraints, types of constraints, workbench.	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall
3	Modeling of Machined component – 1: Material Addition and Removal (Pad, Pocket, Shaft, and Groove), Sketch and Positioned Sketch, Types of Fillets, Types of Chamfer, Types of Hole.	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall

4	Modeling of Machined component – 2: Pattern (Rectangular, Circular, User), Thread/Tap, Datum Features (Plane, Axes, Points), Simple Draft.	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall
5	Advance Design features :- Axis System, Types of draft, Shell, Stiffener, rib slot, Multi-section solid, Removed multi-section solid, Apply Material, Measure	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall
6	Introduction To Multibody concept: Copy Paste, Paste special, Insert body, Boolean Operations (Add, remove, Intersect), Transformation (Translation, Mirror, Scaling, Affinity). Advance Features: Parameters, Formula, Relations, Design Table.	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall
7	Introduction to Drafting & Detailing Theory: (types Generative – Interactive), Initial Drafting setting, Sheet Background, Views (ortho, ISO), Dimensions (Generate Dimension & Create Dimension).	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall
8	Views:- (Aux, Section, Details, Clipping, Broken), View properties, DATUMS & Tolerance. Annotations: GD & T, Symbols, Note, Leaders, Table, Symbols (Machining, Roughness, Welding, Custom), Dress-up Toolbar.	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall
9	Surfacing Modeling based Plastic Component: Environment, Tool bars, Surface Creation (Extrude, Revolve, Sphere, and Cylinder), Surface Modification, Surface Editing (Trim, Split, Shape Fillet, Close Surface, and Thickness). Surfacing: Offset, Fill, Blend, Join, healing, Project-Combine.	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall
10	Introduction to Assembly: Types of assembly approach, Types of Constrains and DOF, placement of components in the Assembly, Manipulating Components, Assembly Drafting: Scene (Exploded View), Bill of material, Balloon creation, Graph Tree Reordering.	Mr.J.Jeyajeevahan	3 hrs	Seminar Hall

Course Outcome

On successful completion of this course students will be able to:

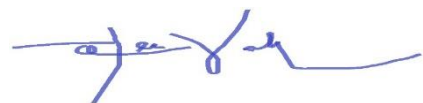
- Understand the concepts of CAD and CAD tools.
- Visualize 3D objects using 2D design data.
- Sketch of Orthogonal Projection using 3D Models
- Design and Create Part models and Assembly models
- Create Drafting from Part and Assembly Models.

Couse Handling Faculty

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

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30	37150061	GOKULA KANNAN. V	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
31	37150062	GOVARDHAN. B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	37150063	GOWSIK SARAN. R. S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	37150064	GUGGILAPU SRI HARSHA	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P
34	37150065	GUMMADEVALLI GOPINATH	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	37150066	GUNDE DANIEL	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
36	37150067	GURUPRAKASH. R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	37150068	GUTTULA BHAVANI KIRAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	37150069	HABEEBULLAH. M. A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	37150070	HAMILTON V DE PAUL	P	P	A	P	A	P	P	P	A	P	P	P	P	P	P	P
40	37150071	HARI PRASAD. N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	37150072	HARIHARAN. S	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
42	37150073	HARISHPRASANNA. P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P



Course Coordinator



(G. Arun Kumar)

HEAD OF THE DEPARTMENT
DEPARTMENT OF MECHANICAL ENGINEERING
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Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119

HOD (Mechanical Engg.)



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This is to certify that Mr. HAMILTON V DE PAUL of 3rd Year Mechanical has attended the 3 week Training Programme on **DRAFTING AND MODELLING USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 23rd September to 11th October 2019.

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This is to certify that Mr. AKASH. I of 3rd Year Mechanical has attended the 3 week Training Programme on **DRAFTING AND MODELLING USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 23rd September to 11th October 2019.

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

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

23rd SEPTEMBER to 11th OCTOBER 2019

PARTICIPATION CERTIFICATE

This is to certify that Mr. GUGGILAPU SRI HARSHA of 3rd Year Mechanical has attended the 3 week Training Programme on **DRAFTING AND MODELLING USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 23rd September to 11th October 2019.

**Dr.G.ARUNKUMAR
HOD MECHANICAL**

**Dr.S.PRAKASH
DEAN MECHANICAL**



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23rd SEPTEMBER to 11th OCTOBER 2019

PARTICIPATION CERTIFICATE

This is to certify that Mr. GUNDE DANIEL of 3rd Year Mechanical has attended the 3 week Training Programme on **DRAFTING AND MODELLING USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 23rd September to 11th October 2019.

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PARTICIPATION CERTIFICATE

This is to certify that Mr. GURUPRAKASH. R of 3rd Year Mechanical has attended the 3 week Training Programme on **DRAFTING AND MODELLING USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 23rd September to 11th October 2019.

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PARTICIPATION CERTIFICATE

This is to certify that Mr. GUTTULA BHAVANI KIRAN of 3rd Year Mechanical has attended the 3 week Training Programme on **DRAFTING AND MODELLING USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 23rd September to 11th October 2019.

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PARTICIPATION CERTIFICATE

This is to certify that Mr. HABEEBULLAH. M. A of 3rd Year Mechanical has attended the 3 week Training Programme on **DRAFTING AND MODELLING USING CATIA** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 23rd September to 11th October 2019.

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HOD MECHANICAL**

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ORGANIZES 3 WEEK HANDS ON TRAINING PROGRAMME ON

INDUSTRIAL ROBOTICS AND PROGRAMMING

11th to 29th November 2019

**Complete coverage of following Topics including
Hands on Training at Centre for Robotics:**

- | | |
|----------------------------|-----------------|
| » Introduction to Robotics | » Looping |
| » Kit & Software Overview | » Sensors |
| » Calibration | » Line Follower |

OPEN TO ALL STUDENTS OF SCHOOL OF MECHANICAL ENGINEERING

For more details and Registrations Contact:

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

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

www.sathyabama.ac.in

CENTER FOR ROBOTICS & AUTOMATION

CERTIFICATE COURSE ON INDUSTRIAL ROBOTICS AND PROGRAMMING

ABOUT THE CENTER

The Centre of Excellence for Robotics and Automation was established in 2019 to cater the automation knowledge needs of the students and to undergo an extensive research in the field of robotics and Artificial intelligence. This center has an exclusive Industrial robot of ABB IRB 1520 (6 axis) to perform basic operations, programming, and advanced control systems which helps for the students to gain knowledge in operating an industrial robot with hands-on experience.

ABOUT THE SCHOOL OF MECHAICAL ENGINEERING

The School of Mechanical Engineering consists of four core departments which include, Department of Mechanical Engineering, Department of Mechatronics Engineering, Department of Aeronautical Engineering and Department of Automobile Engineering. The departments have state of the art laboratory and research facilities which enable students and faculty members to carry out outstanding research activities. The vision of the school is to provide high quality education in the field of mechanical engineering, thereby enabling the students to meet the requirements of the industry and also to create research centers to help industry and society. The school of mechanical engineering always strives to collaborate with national and international institutions to excel in its academic pursuit.

ABOUT THE COURSE

An industrial robot is a robot device that is employed in manufacturing. Industrial Robotics is one of the highly emerging markets with diverse range of applications across all industry verticals. The high cost of labour in the Asia Pacific market and increasing demand of automation has led to hike in the industrial robot's shipments for applications ranging from basic consumer applications to factory applications. The market size of industrial robotics was valued at \$28.9 Million in 2019, and it is estimated to grow at a CAGR of 9.5% during 2020-2025. The ongoing shift to automation is surging the demand for the industrial robots and the related skills. This course focuses on the fundamentals, terminologies

and basic operations of the industrial robots for the students and research scholars to meet the ever changing demands on industrial needs for Robotics.

COURSE HIGHLIGHTS

- ✓ Hands on Experience with ABB IRB1520 Industrial Robot
- ✓ Dedicated Sessions on Program Industrial Robot
- ✓ Dedicated sessions on robot kinematics using MATLAB
- ✓ Certificate will be Provided in association with Professional Bodies
- ✓ **. Value Added Program on Industrial Robotics and Programming**

Module	Topics	Name of the Faculty	No of Sessions	Venue
1	Introduction to Robotics Introduction to Industry 4.0 Need of Robots in Manufacturing Robot Configuration , Work Volume & Pay load Robot Kinematics Robot Grippers Robot Gripper Design Robot Actuators Robot Sensors	Dr.R.B.Durairaj	10 hrs	Seminar Hall
2	Robot Machine Vision System Robot Control System Flexible Manufacturing Systems Robot work cell Industrial Application for Robots	Dr.R.B.Durairaj	10 hrs	Seminar Hall

	Robots in Medical Applications Robots in Hazardous Environment Robot Safety and Maintenance			
3	Introduction to Robot Programming Teach Pendant / Flex Pendant Robot Coordinates , TCP , Interfacing with Flex Pendant Basic Operations using Flex Pendant Jogging Mode – Practical - I Motion Commands – Practical - II Basic Pick and Place Operation – Practical - III Programming for Palletizing – Practical - IV	Dr.R.B.Durairaj	10 hrs	Seminar Hall

✓

Course Coordinator

Dr.R.B.Durairaj M.Tech (Robotics)., PhD.,
Assistant Professor,
Center of Robotics & Automation
School of Mechanical Engineering
Sathyabama Institute of Science and Technology,
Chennai – 119
Mail: durairaj.mech@sathyabama.ac.in
Mobile: 7305533500

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF MECHANICAL ENGINEERING

CHENNAI – 600119.

ATTENDANCE SHEET

[illegible]

16	3615041	BHARATH. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	3615043	BHUMIREDDY SREEDHAR REDDY	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
18	3615044	BOBBITI VIKAS REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	3615051	CHALLA APPARAO	P	P	P	P	P	P	P	P	A	P	A	P	P	P	P
20	3615054	CHIMAKURTHY VENKATA SUBRAMANYAM	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	3615055	CHINTA KOTA NAVEEN	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
22	3615057	CHITHARANJAN. R	P	P	A	P	P	P	P	P	P	P	P	P	P	A	P
23	3615058	CHITNIDI SWAMY SARAN KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	3615059	CHITTAMURU NIKHIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	3615060	CHITTURI DINESH KRISHNA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
26	3615061	CHURCHILL AMAL RAJ. S	P	P	P	P	P	A	P	P	P	P	A	P	P	P	P
27	3615063	DANIEL. K	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
28	3615064	DEEPAK KUMARESH. K. S.	P	P	P	A	P	P	P	P	P	P	P	P	A	P	P
29	3615065	DEEPAK VIGNESHWARAN. N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	3615066	DEERAJ. B	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
31	3615067	DEVARAJ. M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	3615068	DEVARAPALLI SATISH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	3615071	DHATCHINAMOORTHY. R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	3615072	DHEEBAN. S	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P

35	3615073	DINESH. R	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
36	3615076	ELAVENDHAN. E	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
37	3615077	ENIYAVAN. G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	3615078	ESHWAR. J	P	P	P	P	P	P	P	A	P	P	P	P	A	P	P
39	3615125	KISHAN PRADIP	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	3615129	KOKA SAI KARTHIK	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	3615131	KOLLIPARA TEJA	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
42	3615134	LEO GAIND	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
43	3615135	LINGAMPALLY SAI KUMAR	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
44	3615167	MUNI SAI PREETHAM	P	P	P	P	P	A	P	P	A	P	P	P	P	P	P
45	3615169	MUTHUKUMAR. S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	3615170	MYNAMPATI BALASUBRAMANYAM	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
47	3615171	NAIR AKHIL AJAYKUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	A	P
48	3615172	NALI ROHIT	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P



Course Coordinator



(G. Arun Kumar)

HEAD OF THE DEPARTMENT
DEPARTMENT OF MECHANICAL ENGINEERING
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119

HOD (Mechanical Engg.)



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INDUSTRIAL ROBOTICS AND PROGRAMMING

11th to 29th NOVEMBER 2019

PARTICIPATION CERTIFICATE

This is to certify that Mr. AKSHAY SETHU of 4th Year
Mechanical has attended the 3 week Training Programme on INDUSTRIAL ROBOTICS
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This is to certify that Mr. AMARJIT ROY of 4th Year
Mechanical has attended the 3 week Training Programme on INDUSTRIAL ROBOTICS
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PARTICIPATION CERTIFICATE

This is to certify that Mr. AMIDELA HARISH of 4th Year
Mechanical has attended the 3 week Training Programme on INDUSTRIAL ROBOTICS
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PARTICIPATION CERTIFICATE

This is to certify that Mr. ANNAMALAI. S of 4th Year
Mechanical has attended the 3 week Training Programme on INDUSTRIAL ROBOTICS
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PARTICIPATION CERTIFICATE

This is to certify that Mr. ANTONY JACKWIN. J of 4th Year
Mechanical has attended the 3 week Training Programme on INDUSTRIAL ROBOTICS
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PARTICIPATION CERTIFICATE

This is to certify that Mr. ARAVIND SRI KRISHNA. B. R. S of 4th Year
Mechanical has attended the 3 week Training Programme on INDUSTRIAL ROBOTICS
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This is to certify that Mr. ARNAB MALLIK of 4th Year
Mechanical has attended the 3 week Training Programme on INDUSTRIAL ROBOTICS
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PARTICIPATION CERTIFICATE

This is to certify that Mr. ASHISH KUMAR TIWARI of 4th Year
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This is to certify that Mr. BANREDDY SATHISHKUMARREDDY of 4th Year
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This is to certify that Mr. BOBBITI VIKAS REDDY of 4th Year
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Organizes a 3 Week Technical Training Program on
INDUSTRIAL ROBOTICS AND PROGRAMMING

11th to 29th NOVEMBER 2019

PARTICIPATION CERTIFICATE

This is to certify that Mr. CHALLA APPARAO of 4th Year
Mechanical has attended the 3 week Training Programme on INDUSTRIAL ROBOTICS
AND PROGRAMMING organized by the Department of Mechanical Engineering,
Sathyabama Institute of Science and Technology, Chennai from 11th to 29th November 2019.


Dr.G.ARUNKUMAR
HOD MECHANICAL


Dr.S.PRAKASH
DEAN MECHANICAL



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This is to certify that Mr. CHINTA KOTA NAVEEN of 4th Year
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This is to certify that Mr. CHITHARANJAN. R of 4th Year
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This is to certify that Mr. CHITNIDI SWAMY SARAN KUMAR of 4th Year
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ORGANIZES 3 WEEK HANDS ON TRAINING PROGRAM ON



AUTOMOTIVE SKETCHING AND CLAY MODELLING

10th to 28th FEBRUARY 2020

Course Modules:

- » Automotive body layout, proportions, packaging, and themes
- » Introduction to freehand sketching of simple geometries
- » Sketching Car block in 1, 2, and 3-point perspectives
- » Preparation, Forming, Curing, Finishing and Painting of Clay Models

OPEN TO ALL STUDENTS OF SCHOOL OF MECHANICAL ENGINEERING
(Registrations will be on a First Come First Serve basis)

For more details and Registration Contact:

Mr.S.LAKSHMISANKAR

Assistant Professor

Department of Mechanical Engineering

Mob: 97908 41997

TRAINING ON AUTOMOTIVE SKETCHING AND CLAY MODELLING

Content outline

1. Proportions of the human figure
2. Basic anatomy
3. Methods of hand building figurative sculpture in clay
4. Safe handling of dry clay and glaze materials
5. Historical and contemporary perspectives in figurative sculpture

Introduction

- Introduce the wide range of skills required for vehicle design and manufacture;
- Briefly set the historical scene and development of vehicles and their design;
- Introduce the vast range of possibilities for vehicle design;
- Demonstrate the interactivity of processes within the design and manufacture of vehicles.

Produce creative works that demonstrate innovation in concepts, formal language and/or materials

Describe, analyze and interpret created artwork

Recognize elements of design in works of art

Learning outcomes

1. Manipulate a quantity of clay into a likeness of the human form using basic sculpture and ceramic techniques.
2. Create a realistic likeness of the human head by manipulating a clay cylinder using compression, stretching, and addition.
3. Identify from examples distinct historical stylistic treatments of the human form.
4. Be able to create a likeness of the human form in a distinct historical style using clay.
5. Analyze a figurative sculpture in terms of the design continuum.

COURSE CONTENTS

Module	Topics	Name of the Faculty	No of Sessions	Venue
1	Course Overview Overview to automotive sketching Workshop Practice Model Making with simple materials Model Making with clay Alias basics Alias modelling-1	Mr.S.Lakshmisankar	4 hrs	Seminar Hall
2	Vehicle packaging Clay modeling project-1 Clay modeling project-2 Alias modelling-2	Mr.S.Lakshmisankar	4hrs	Seminar Hall
3	Clay modeling project-3 Alias Design Project-1 Clay modeling project-4	Mr.S.Lakshmisankar	4 hrs	Seminar Hall
4	Internship/Project - Clay or Digital Sculpting	Mr.S.Lakshmisankar	18 hrs	Seminar Hall

Course Coordinator:

Mr.S.Lakshmisankar

Assistant Professor,

School of Mechanical Engineering

Sathyabama Institute of Science and Technology,

Chennai – 119

Mail id: sls.mech@gmail.com

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

CHENNAI – 600119.

ATTENDANCE SHEET

S.No.	Register No.	Name of the Student	10-02-2020	11-02-2020	12-02-2020	13-02-2020	14-02-2020	17-02-2020	18-02-2020	19-02-2020	20-02-2020	21-02-2020	24-02-2020	25-02-2020	26-02-2020	27-02-2020	28-02-2020
1	3615002	ABDUL MAHER KHALIQ	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	3615003	ADHARSH. A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	3615004	ADIVISHNU MALLIKHARJUNA RAKESH	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
4	3615009	AJITH. N	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
5	3615010	AKASH DEB NATH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	3615011	AKASH KUMAR. S	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
7	3615012	AKHIL SAJEEVU	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
8	3615060	CHITTURI DINESH KRISHNA KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	3615061	CHURCHILL AMAL RAJ. S	P	P	P	P	P	P	P	P	A	P	P	P	P	A	P
10	3615063	DANIEL. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	3615064	DEEPAK KUMARESH. K. S.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	3615065	DEEPAK VIGNESHWARAN. N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	3615066	DEERAJ. B	P	P	P	A	P	P	P	P	P	A	P	A	P	P	P
14	3615083	GOKULNATH. A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	3615084	GONPATI SAI KUMAR	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P

36	3615210	RAJ KISHAN SINGH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	3615211	RAJA KAVIESWARAN. R	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
38	3615212	RAJESH. S. S.	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
39	3615263	SUBHAM KANDOI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	3615264	SUDHARSHAN VISWAK. R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	3615265	SUDHEER BABU G. V. S. S. A. D.	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42	3615266	SUJITH RAJ. S	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
43	3615268	SURENDRAN. H	P	P	P	P	P	P	P	P	P	P	A	P	P	P	P
44	3615271	SYAMALA SANDEEP KUMAR REDDY	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
45	3615273	TADIKONDA ANIRUDH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	3615274	TADIKONDA JITENDRA SIVA PRASAD	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
47	3615276	TARUN. S	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
48	3615304	YADLA SAI PAVAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

S. Lakshmi

Course Coordinator

G. Arun Kumar
(G. Arun Kumar)

HEAD OF THE DEPARTMENT
DEPARTMENT OF MECHANICAL ENGINEERING
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
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Jeppiaar Nagar, Rajiv Gandhi Salai,
Chennai - 600 119

HOD (Mechanical Engg.)



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PARTICIPATION CERTIFICATE

This is to certify that Mr. ABDUL MAHER KHALIQ of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. ADHARSH. A of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. AJITH. N of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. AKASH DEB NATH of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. AKHIL SAJEEVU of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. CHURCHILL AMAL RAJ. of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. DANIEL. K of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. DEEPAK KUMARESH. K. Sof 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. GONPATI SAI KUMAR of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. GOPINATH. K of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that **Mr.GORLE JITENDRA** of **4th Year Mechanical** has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. JAYA PRAKASH. A of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. NAVIEN MARTAHNDAN. M of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. PALETI BHARGAV of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. PARAMESWARAN. T of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. PRAVEENKUMAR. V of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

Dr.G.ARUNKUMAR
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PARTICIPATION CERTIFICATE

This is to certify that Mr. RAJESH. S. S. of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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PARTICIPATION CERTIFICATE

This is to certify that Mr. SUBHAM KANDOI of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. SUJITH RAJ. S of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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10th to 28th FEBRUARY 2020

PARTICIPATION CERTIFICATE

This is to certify that Mr. SURENDRAN. H of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

**Dr.G.ARUNKUMAR
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PARTICIPATION CERTIFICATE

This is to certify that **Mr. TADIKONDA ANIRUDH** of **4th Year Mechanical** has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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This is to certify that Mr. TARUN. S of 4th Year Mechanical has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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PARTICIPATION CERTIFICATE

This is to certify that **Mr. YADLA SAI PAVAN** of **4th Year Mechanical** has attended the 3 week Hands on Training Programme on **AUTOMOTIVE SKETCHING AND CLAY MODELLING** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 10th to 28th February 2020.

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DEAN MECHANICAL**



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Jeppiaraar Nagar, Rajiv Gandhi Salai (OMR), Chennai – 600119, TamilNadu, India



School of Science and Humanities
Department of English
organizes

Value Added Program (30 hrs) on Functional English

Dates: 16/09/2019 to 25/10/2019

**75% of attendance and 50% of marks are
required to receive a certificate**

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Faculty Co-ordinator

Dr. Amutha Monica

Organizing members

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SCHEDULE OF THE VALUE ADDED PROGRAM

(16.09.2019 - 25.10.2019)

Day	Name of the Staff	Topic covered	Date	Duration (Hrs)
1	Dr. Pushpa Nagini	Identifying things	17.09.2019	1
2	Mr. Richard Jegadeesan. S	Differentiating Singular/ Plural	18.09.2019	1
3-4	Dr. Mercy Gnana Gandhi. S	Identifying Parts of Speech 1	19.09.2019 20.09.2019	2
5-6	Dr.Sowmiya	Identifying Parts of Speech 2	23.09.2019	2
7	Ms.Jane Austen	Understanding Comparative degree	24.09.2019	1
8	Ms.Sathya Priya	Receiving/Inviting people	25.09.2019	1
9	Dr. Mercy Gnana Gandhi. S	Writing Business Letters	26.09.2019	1
10	Dr. Avinash M	Writing Business Letters	27.09.2019	1
11	Mr. Richard Jegadeesan. S	Enquiring information/routes	30.09.2019	1
12	Dr. Amutha Monica. J	Enquiring names/profession	01.10.2019	1
13-14	Dr. Pushpa Nagini	Writing after observation	02.10.2019 03.10.2019	2
15	Dr. Amutha Monica. J	Matching objects	04.10.2019	1
16-17	Ms.Dorris Lourdes	Identifying Relationship	07.10.2019	2
18	Dr. Mercy Gnana Gandhi. S	Reading and Recalling	08.10.2019	1
19	Ms.Jane Austen	Identifying Advertisements	09.10.2019	1
20	Mr. Richard Jegadeesan. S	Giving Titles to Video Clippings	10.10.2019	1
21	Ms.Sathya Priya	Identifying Proverbs for Images	11.10.2019	1
22	Dr. Pushpa Nagini	Writing captions for Videos	14.10.2019	1
23	Dr.Sowmiya	Filling the blanks for Visual scenes	15.10.2019	1
24-25	Ms.Dorris Lourdes	Solving Vocabulary puzzles	17.10.2019 18.10.2019	2
26-28	Dr.Sowmiya	Reading, listening, speaking, writing and their sub skills	21.10.2019 22.10.2019 23.10.2019	3
29-30	Dr. Avinash M	features of spoken and written texts,	24.10.2019 25.10.2019	2

Total no of hours: 30 hours

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School of Science and Humanities Functional English

Department: All departments

No of students attended: 357

Mode of classes: Online

Time: 3.30PM - 4.30PM

SCHEDULE OF THE VALUE ADDED PROGRAM (16.09.2019 - 25.10.2019)

Day	Name of the Staff	Topic covered	Date	Duration (Hrs)
1	Dr. Pushpa Nagini	Identifying things	17.09.2019	1
2	Mr. Richard Jegadeesan. S	Differentiating Singular/ Plural	18.09.2019	1
3-4	Dr. Mercy Gnana Gandhi. S	Identifying Parts of Speech 1	19.09.2019 20.09.2019	2
5-6	Dr.Sowmiya	Identifying Parts of Speech 2	23.09.2019	2
7	Ms.Jane Austen	Understanding Comparative degree	24.09.2019	1
8	Ms.Sathya Priya	Receiving/Inviting people	25.09.2019	1
9	Dr. Mercy Gnana Gandhi. S	Writing Business Letters	26.09.2019	1
10	Dr. Avinash M	Writing Business Letters	27.09.2019	1
11	Mr. Richard Jegadeesan. S	Enquiring information/routes	30.09.2019	1
12	Dr. Amutha Monica. J	Enquiring names/profession	01.10.2019	1
13-14	Dr. Pushpa Nagini	Writing after observation	02.10.2019 03.10.2019	2
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19	Ms.Jane Austen	Identifying Advertisements	09.10.2019	1
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26-28	Dr.Sowmiya	Reading, listening, speaking, writing and their sub skills	21.10.2019 22.10.2019 23.10.2019	3
29-30	Dr. Avinash M	features of spoken and written texts	24.10.2019 25.10.2019	2

Total no of hours: 30 hours

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OUTCOMES OF VALUE ADDED PROGRAM

FUNCTIONAL ENGLISH

OUTCOMES OF THE COURSE:

After the successful completion of the program, the students will be able to:

1. Analyze the usage of English words in different contexts and acquire considerable flair in using broad range of vocabulary.
2. Upgrade comprehension of technical and academic articles and recognize writings as a process rather than a product.
3. Identify common errors in various parts of English and give effective expression in oral and written communication.
4. Analyze various grammatical units of English and design a language component critically and coherently to meet desired needs within the realistic constraints.
5. Use fixed expressions and phrases in the context of Business setting.

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School of Science and Humanities

Functional English

S.no	Topic Covered	Syllabus	Duration
1	Identifying things	English phrases and sentences to talk about people and things	1
2	Differentiating Singular/ Plural	Singular noun, Plural noun, Irregular singular and plural	1
3-4	Identifying Parts of Speech 1	Noun, Pronoun, verb, Adjective, Adverb	2
5-6	Identifying Parts of Speech 2	Preposition, Conjunction, Interjection	2
7	Understanding Comparative degree	Comparative degree of Adverb and Adjective list, Usage in sentences	1
8	Receiving/Inviting people	Fixed expressions, phrases to invite people, Role play, simulation	1
9	Writing Business Letters	Samples of Business letters, Format	1
10	Writing Business Letters	Types of Business letters: Application letter, Complaint letter, Adjustment letter, Resignation letter	1
11	Enquiring information/routes	Role play on Directions, Handy expressions	1
12	Enquiring names/profession	Role play on enquiry, Handy expressions and its usage	1
13-14	Writing after observation	Writing Observation, Format, Samples	2
15	Matching objects	Contextual objects and names	1
16-17	Identifying Relationship	Blood relation, Definitions and relationship	2
18	Reading and Recalling	Reading strategies: Skimming, Scanning, Intensive reading and extensive reading, Mnemonics	1
19	Identifying Advertisements	Poster making, making advertisements, caption writing.	1
20	Giving Titles to Video Clippings	Creative titles, spontaneous tag lines	1
21	Identifying Proverbs for Images	Connection game, Proverbs, usage of them in Indian context	1
22	Writing captions for Videos	Subtitles, Translation, Film review, Captions	1
23	Filling the blanks for Visual scenes	Activity based - Clips of important scenes and its subtitle in fill in the blanks	1
24-25	Solving Vocabulary puzzles	Crossword puzzle, Jumbled sentences, Word construction	2
26-28	Reading, listening, speaking, writing and their sub skills	Communication, skills and language learning strategies, Vocabulary learning strategies	3
29-30	Features of spoken and written texts	Layout, accuracy, fluency	2

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[illegible]



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CERTIFICATE

OF PARTICIPATION

Mr/Ms: AABARANA SAKTHITHA. A

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

S. Mercy Gnanu Gandhi

Dr. S. Mercy Gnanu Gandhi
Convenor

Dr. T. Sasipraba

Dr. T. Sasipraba
Dean, School of Science & Humanities



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Mr/Ms: AADHITHYA. M. R

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: AAKASH. C

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ABDUL RAHMAN. S

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ABI. S

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ABIJITH

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Mr/Ms: ABIRAMI. M

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Mr/Ms: ADDALA SAI NAGENDRA BABU

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Mr/Ms: ADITHYA SRIDHAR

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ADITYA PRAKASH

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Dr. S. Mercy Gnanapandhi

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Mr/Ms: ADITYA SAILESH. T

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: AFTAB ALAM

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Mr/Ms: AGNES PRISCILLA GOPIKA. M. K

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Mr/Ms: AITHA RANADHEER

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Mr/Ms: AKASH. P

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Mr/Ms: AKASH VARMA

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Mr/Ms: AKKILI SAIKUMAR REDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: AMARANKENI UMESH CHANDRA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: AMMI REDDY SUPRAJA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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OF PARTICIPATION

Mr/Ms: ANAGHA JACOB

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

S. Mercy Gnanu Gandhi

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Mr/Ms: ANANDHI. S

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ANANTHA LAKSHMI. P

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ANAS MAHIN DAS

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ANEM VAMSI

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ANGELO ALEXANDER

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ANISETTI MOHAN KUMAR

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ANNAM SANTOSH KUMAR

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ANTO KENSIYA. S

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ANUSHA. K

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Mr/Ms: ANUSURI RAM NIVAS

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: APPAJOSYULA CHAITANYA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ARAVAPALLI DIVYA VASAVI

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ARAVINDU. B

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ARIGELA SAI YASWANTH

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ARINDAM CHATTERJEE

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Mr/Ms: ARISETTY SAHIT

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ARTHIESWARI. P

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Mr/Ms: ARUL THANGA RAJA. B

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ARUN KUMAR REDDY RAMIREDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ASAM SUJITHA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ASHOK. B

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Convenor

Dr. T. Sasipraba

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Mr/Ms: ASODI KISHORE KUMAR REDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Dr. T. Sasipraba

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Mr/Ms: ATTADA SAANDEEP DORA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: ATTE RUSHIVARDHAN

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Dr. S. Mercy Gnanu Gandhi
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Mr/Ms: AVANTHIKA. M

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: AVULA JAGADEESH

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: AYSETTI VENKATA NARAYANA KARTHEEK

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BACCHU GUNA NANDA VARDHAN

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BADDIGAM LOKESWARREDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BADIREDDY LOHIT SURYA SAI KRISHNAM NAIDU

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BAIREDDY VIVEK VARDHAN REDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Dr. S. Mercy Gnanu Gandhi
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Mr/Ms: BALIGA BHARGAV

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BANDARU NAGA SRI ADITYA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BANDELA NAVA KISHORE

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Dr. S. Mercy Gnanu Gandhi
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Dr. T. Sasipraba

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Mr/Ms: BANDIGUPHAPU SUMANTH KALYAN

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BASAVA NAGENDRA RAVI SAI

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BASIREDDY CHANDRA MOHAN REDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BATTU VEERANJANEYULU

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BEELA TULASI

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Dr. S. Mercy Gnanu Gandhi
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Dr. T. Sasipraba

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Mr/Ms: BEJESH SRIRAM. G

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BELLAM HEMANTH KUMAR REDDY

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Dr. S. Mercy Gnan Gandhi
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Mr/Ms: BELLANA GEETHA LAKSHMI

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BETHALADHANA RAMA VISWA NAGESWARA RAO

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Dr. S. Mercy Gnanu Gandhi
Convenor

Dr. T. Sasipraba

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Mr/Ms: BETHAM VEERA REDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

S. Mercy Gnanu Gandhi

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Mr/Ms: BHARATH

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BHARATH KUMAR. J

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BHARGAVI. G

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BHASKAR

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BHASKAR NAIDU MUTYALA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BHAVIRISETTY SAI

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BHUMANAPALLI NIVAS KUMAR REDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BHUVANESWARI. B

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BINAPUDI PUSHPAK VINAY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BOBBILI SATYA REVANTH

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Mr/Ms: BOBBURI SRI JAYALAKSHMI

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BODDEPALLI HANISH

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BONAGIRI CHANDRA LEKHA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BOORA ADHARSH

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BORRA UMA KARTHIK

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BOSI JNANANANDA CHAKRAVARTHI

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Mr/Ms: BUPELLI AKHIL TEJA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: BURRI RAMA KRISHNA REDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHALASANI CHETAN PRASAD

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHALLAGULLA SAI DINESH

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHALLAPALLI ISWARYA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHAMAKURA SRI SATYA SAI JANARDHAN

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHAMALABALANNAGARI RAJASEKHAR REDDY

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Dr. T. Sasipraba

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Mr/Ms: CHEERLA SYAMALA

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Dr. S. Mercy Gnanu Gandhi
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Mr/Ms: CHEKURI SRINADH

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Dr. S. Mercy Gnanu Gandhi
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Dr. T. Sasipraba

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Mr/Ms: CHEVURI PRAVEENKUMAR

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHIDIPUDI AJAY KUMAR REDDY

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Mr/Ms: CHIKKALA PRASANTH

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHILUKURI DURGA MAHESH

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHINNALA HRUTHIK

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHINTALA GOWTHAM KAMESWARA RAO

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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Mr/Ms: CHINTHAKUNTLA VIJAY KUMAR

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Mr/Ms: CHOPPERLA RAM NIVEDH

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Mr/Ms: CHUNDRU KASI VISWANADHAM

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Mr/Ms: DANDU SHASHANK SRI SAIVARMA

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Mr/Ms: DARSHITA. V

has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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has successfully completed a Value Added Course of 30 hours in Foundation English during his/her Bachelor's /Master's Degree Program in Semester I in the Academic Year 2019 to 2020 at Sathyabama Institute of Science and Technology.

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2019-20 Academic Year

S.NO	Name of the value added courses (with 30 or more contact hours) offered	Year of offering	No. of times offered during the same year	Duration of course	Number Of students enrolled in the year	Number of students completing the course in the year
1	Red hat Linux	24.7.2019	1	30	56	52
2	VM ware	31.8.2019	1	30	78	75
3	Create and operate apps for business using ZOHO creator	16.9.2019	1	30	55	42
4	Data Acquisition in IoT	19.2.2020	1	30	120	95
5	Python Programming	10.2.2020	1	30	120	63

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redhat
Linux



24.07.2019 - 20.09.2019



30 Hours

Registration Link:

shorturl.at/orDK5

**CONTACT :-
Mrs. Brumancia**



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)
Accredited with "A" Grade by NAAC
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55 Fax: 044 - 2450 2344
www.sathyabama.ac.in



COURSE OUTCOME

Red hat Linux

- To learn about to perform essential Linux system administration tasks.
- To learn about including installation, establishing network connectivity, managing physical storage, and basic security administration.
- Gain valuable experience with hands-on lab environments
- To learn about Troubleshooting , RHEL7bootprocess,Limiting network with firewall



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Course Contents:

Week1: 4Hrs

Configure kick start file, Regular expressions with grep

Week2: 4Hrs

Creating and editing text files with vim, Scheduling future Linux tasks

Week3: 4Hrs

Priority of Linux process, Controlling access with access control list

Week4: 4Hrs

Managing SE Linux security, connecting to network defined users and groups

Week5: 4Hrs

Disk partition and file systems, Managing logical volume management

Week6: 4Hrs

Accessing network file system

Week7: 3Hrs

Accessing network storage and memory.

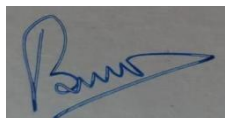
Week8: 3Hrs

Troubleshooting RHEL7 boot process, Limiting network with firewall

List of Enrolled Students

S. No	Reg. No	Roll. No	Name	24.7.19	30.7.19	14.8.19	27.8.19	11.9.19	20.9.19
1	38120001	18SIT9017	AARTHY.G	P	P	P	P	P	P
2	38120002	18SIT9056	ABHISHEKKU MAR	P	A	P	P	P	P
3	38120003	18SIT5030	ABHISHEKSIN GH	P	P	P	P	P	P
4	38120004	18SIT5001	ABINAYA.A	P	P	A	P	P	P
5	38120005	18SIT9036	ABIRAMI.M	P	P	P	P	A	P
6	38120006	18SIT9018	ABIRAMI.R	P	P	P	P	P	P
7	38120007	18SIT1001	AHILA.RR	P	P	P	P	P	P
8	38120008	18SIT5002	AISHWARYA. R	P	P	P	A	P	P
9	38120009	18SIT8003	ANNA GREETATITUS T	P	P	P	P	P	P
10	38120010	18SIT9037	ARCHANA.B	P	P	P	P	P	P
11	38120011	18SIT9051	ARCHANA. C	P	P	P	P	P	P
12	38120012	18SIT9045	ARTHEESWAR I.P	P	P	A	P	P	P
13	38120013	18SIT5023	ARUNKUMAR. S	P	P	P	P	P	P
14	38120014	18SIT1002	ASHMITA SINGH	P	P	P	P	P	P
15	38120015	18SIT8004	ASWINKUMA R.K	P	P	P	P	P	A
16	38120016	18SIT9009	BAKYA.B	P	P	P	P	P	P
17	38120017	18SIT9024	BALABHARAT HLP	P	P	P	P	P	P
18	38120018	18SIT9053	BALAJI.P	P	P	P	P	P	P
19	38120019	18SIT5021	BALAMURUG AN.R	P	A	P	P	P	P
20	38120020	18SIT5037	BALSUMDIWA N	P	P	P	P	P	P
21	38120021	18SIT5005	BARANIDARA N.GT	P	P	A	P	P	P
22	38120022	18SIT8002	CATHERINEJE NIFER	P	P	P	P	P	A
23	38120023	18SIT9001	DIVYADHARS HINI.V	P	P	P	P	P	P
24	38120024	18SIT9012	GAYATHRI.M	P	P	P	P	P	P
25	38120025	18SIT9006	GNANASOUN THARIYA. S	P	P	P	P	P	P
26	38120026	18SIT5033	GNANAMANI. CT	P	A	P	P	P	P
27	38120027	18SIT5034	GOWTHAM. S	P	P	P	P	P	P
28	38120028	18SIT9054	HAMIDHUSSA IN	P	P	A	P	P	P

29	38120029	18SIT5024	HARSHANAN CHELL. S	P	P	P	P	P	P
30	38120030	18SIT9052	HEMANTHRE DDY.M	P	P	P	P	P	P
31	38120031	18SIT9002	IMMACULATE MARIA FERNANDO	P	P	P	P	P	P
32	38120032	18SIT9050	JAYAROSHINI. M	P	P	A	P	P	P
33	38120033	18SIT9043	JEEVITHA.D	P	P	P	P	P	P
34	38120034	18SIT5026	JOHNWILIFRE DDAVID	P	P	P	P	P	P
35	38120035	18SIT5022	JOTHIKA.K	P	P	P	P	P	A
36	38120036	18SIT9022	JOTHILAKSH MI. V	P	P	P	P	P	P
37	38120037	18SIT9016	KAMALSHAR MA.R	P	P	P	P	P	P
38	38120038	18SIT5006	KAMEPALLINI THISH	P	P	P	P	P	P
39	38120039	18SIT9044	KARTHIKEYA N.N	P	A	P	P	P	P
40	38120040	18SIT9010	KARTHIYAYI NI.S	P	P	P	P	P	P
41	38120041	18SIT9042	KAVIYA.S	P	P	A	P	P	P
42	38120042	18SIT9040	KEERTHIGA.N	P	P	P	P	P	P
43	38120043	18SIT5007	KUSHALGOY AL.M	P	P	P	A	P	P
44	38120044	18SIT9014	LAKSHMIPRIY A. M	P	P	P	P	P	P
45	38120045	18SIT9030	LEELAVATHI. V	P	P	P	P	P	P
46	38120046	18SIT9005	LOGANAYAGI . S	P	P	P	P	P	P
47	38120047	18SIT5008	MADHAN. L	P	P	A	P	P	P
48	38120048	18SIT5004	MANISHA. B	P	P	P	P	P	P
49	38120049	18SIT9038	MEERADEVI. L	P	P	P	P	P	P
50	38120050	18SIT9003	MOHAMEDAS HIK.N	P	P	P	P	P	A
51	3612001	16SIT501	ABHINANDAN KUMAR	P	P	P	P	P	P
52	3612002	16SIT947	ABHISHEKOM AR	P	P	P	P	P	P
53	3612003	16SIT951	ABINAYA.R	P	P	P	P	P	P
54	3612004	16SIT503	ABISEK.K	P	A	P	P	P	P
55	3612005	16SIT584	ADARSH	P	P	P	P	P	P
56	3612007	16SIT933	AJAY.S	P	P	A	P	P	P



SIGNATURE OF COURSE COORDINATOR



SIGNATURE OF HEAD OF THE DEPARTMENT



Red Hat, Inc. hereby certifies that

CATHERINEJENIFER

has successfully completed all the program requirements and is certified as a

RED HAT CERTIFIED SYSTEM ADMINISTRATOR

Red Hat Enterprise Linux 7

A handwritten signature in black ink, appearing to read "RRR" followed by a stylized flourish.

RANDOLPH R. RUSSELL
DIRECTOR, GLOBAL CERTIFICATION PROGRAMS

JANUARY 30, 2019 - CERTIFICATION ID: 190-027-391

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RANDOLPH R. RUSSELL

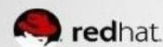
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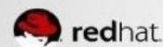
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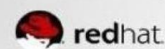
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RANDOLPH R. RUSSELL

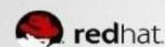
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DIVYADHARSHINI.V

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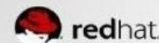
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DEPARTMENT OF INFORMATION TECHNOLOGY

Organizes

Training Program in

VMware



DATE

31.08.2019 - 28.10.2019



30 Hours

Registration Link:

<https://bit.ly/3LCZm7u>

**CONTACT :-
Dr.Maria Anu**



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COURSE OUTCOME

VMware

- Install and configure virtualization technology such as VMware.
- Install and configure virtual server components such as vCenter.
- Configure and manage virtual network and storage such as vCenter server or ESXi.
- Deploy, manage and migrate virtual machines.
- Describe the architecture of a Data Center environment with RAID and Intelligent Storage Systems.



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Course Contents

VMware

Week1:

4Hrs

Data Center Fundamentals, Identify the characteristics of servers, specify how to access servers remotely describe server redundancy and how it benefits data centers, Describe the characteristics of storage, including RAID levels, local versus shared storage, and SAN versus NAS storage

Week2

4Hrs

Describe VMware virtual storage concepts, Identify the basic characteristics and components of networks, define database terminologies, Describe the fundamental components and concepts behind data center virtualization

Week3:

4Hrs

VMware Virtual Infrastructure Overview, Compare the components and concepts of traditional architecture and virtual architecture, Identify the benefits of virtual architecture, Describe the VMware virtualization infrastructure, describe server virtualization concepts, Identify vSphere components, including vCenter Server, VMware ESXi™, and VMware vSphere® Client™

Week4:

4Hrs

View and describe virtual network and storage components, Describe inventory objects managed by vSphere, Describe the main features of vCenter Server, Using vSphere Web Client, Identify the differences between the vSphere Client and VMware vSphere® Web Client interfaces, Access, navigate, and customize vSphere Web Client

Week5:

4Hrs

Use vSphere Web Client to monitor and manage vSphere objects, perform searches in vSphere Web Client, describe how roles and permissions can be assigned to users and user groups through vSphere Web Client, Creating and Managing Virtual Machines, Create and manage virtual machines

Week6:

4Hrs

Install a guest operating system and VMware Tools, describe how to use clones and templates to manage virtual machines, Describe the importance of content libraries Configure virtual machines, Use snapshots to manage virtual machines Describe how raw device mapping enables a virtual machine to directly access and use a storage device.

Week7:

3Hrs

Describe virtual machine resource monitoring concepts, Use vCenter Server performance graphs

and alarms to monitor virtual machine resource usage Describe and monitor tasks, Describe, monitor, and manage events

Week8:

3Hrs

Describe CPU and memory resource management techniques used in ESXi, use virtual machine resource controls to allocate CPU and memory resources, Use resources pools to hierarchically allocate CPU and memory resources, Managing Multi-Tiered Applications Using vSphere vApps.

List of Enrolled Students

S. No	Reg. No	Roll. No	Name	31.8.19	11.9.19	16.9.19	30.9.19	15.10.19	28.10.19
1	38120051	18SIT9041	MOKITHA.B	P	P	P	P	P	P
2	38120052	18SIT5038	MUSKANFIRD OUSI	P	A	P	P	P	P
3	38120053	18SIT9008	NANDHINI. V	P	P	P	P	P	P
4	38120054	18SIT9007	NITHYA.B	P	P	A	P	P	P
5	38120055	18SIT9027	NITHYA.M	P	P	P	P	A	P
6	38120056	18SIT9039	PAVITHRAPRI YA. K	P	P	P	P	P	P
7	38120057	18SIT9031	PIYUSHSINHA	P	P	P	P	P	P
8	38120058	18SIT5010	POOJABALAK RISHNAN	P	P	P	A	P	P
9	38120059	18SIT9028	PRADYOTANR AJU. V	P	P	P	P	P	P
10	38120060	18SIT9035	PRAGADEESW ARIM	P	P	P	P	P	P
11	38120061	18SIT9026	PRAKASH.S	P	P	P	P	P	P
12	38120062	18SIT5011	PRAVIN.I	P	P	A	P	P	P
13	38120063	18SIT9020	PREETHI.S	P	P	P	P	P	P
14	38120064	18SIT5012	PRIYADHARA SHINI.P	P	P	P	P	P	P
15	38120065	18SIT5039	RAHULRAJ	P	P	P	P	P	A
16	38120066	18SIT1004	RAMANUJAM. V K	P	P	P	P	P	P
17	38120067	18SIT9011	ROHINI.M	P	P	P	P	P	P
18	38120068	18SIT5013	ROHIT.V	P	P	P	P	P	P
19	38120069	18SIT5014	ROSHANCHRIS TY.R	P	A	P	P	P	P
20	38120070	18SIT9021	SABITHRA. D	P	P	P	P	P	P
21	38120071	18SIT9025	SAKTHIVARSH INI. K	P	P	A	P	P	P
22	38120072	18SIT9046	SANDHIYA.V	P	P	P	P	P	P
23	38120073	18SIT9015	SANGEETHA.K K	P	P	P	P	P	P
24	38120074	18SIT9049	SANJUDHA.M	P	P	P	P	P	P
25	38120075	18SIT9034	SANTHOSHKU MAR.M	P	P	A	P	P	P
26	38120076	18SIT9032	SANTOSHKUM AR	P	P	P	P	P	P
27	38120077	18SIT5015	SARAPHILO MIN.V	P	P	P	P	P	P
28	38120078	18SIT9047	SHIVA.M	P	P	P	P	P	A
29	38120079	18SIT1003	SMRITHIL.R	P	P	P	P	P	P

30	38120080	18SIT9055	SOLAPURIMA NMOHAN	P	P	P	P	P	P
31	38120081	18SIT9013	SOUNDHARYA .S	P	P	P	P	P	P
32	38120082	18SIT9033	SWETHA.V	P	A	P	P	P	P
33	38120083	18SIT5029	TRAGHULSUD HARSAN	P	P	P	P	P	P
34	38120084	18SIT9004	TEKKIDEEPAK	P	P	A	P	P	P
35	38120085	18SIT5016	THILAKDARS HAN. V	P	P	P	P	P	P
36	38120086	18SIT8001	THOMSONYES HWANTH.JM	P	P	P	P	P	P
37	38120087	18SIT5025	VAIBHAVVISH AL	P	P	A	P	P	P
38	38120088	18SIT5035	VAISHNAVY.P	P	P	P	P	P	P
39	38120089	18SIT5020	VASAN.S K	P	P	P	P	P	P
40	38120090	18SIT9029	VIGNESH.G	P	P	P	P	P	A
41	38120091	18SIT5018	VINAYAKSUB ODHRANJAN	P	P	P	P	P	P
42	38120092	18SIT9019	VINITHA.S	P	P	P	P	P	P
43	38120093	18SIT9048	VINOTH.V	P	P	P	P	P	P
44	38120094	18SIT5019	VISHNU. P	P	A	P	P	P	P
45	38120095	18SIT5040	YAHYAIBRAHI MIMTIAZ	P	P	P	P	P	P
46	38120096	18SIT5027	YASHSWIKAU SHIK	P	P	A	P	P	P
47	38120097	18SIT9023	YUVASRI. J	P	P	P	P	P	P
48	38120098	18SIT5041	SIVAKUMAR. S	P	P	P	A	P	P
49	38120099	18SIT5042	YADAVMANIS HUDAY	P	P	P	P	P	P
50	38120100	18SIT5043	MANOJ.A	P	P	P	P	P	P
51	37120001	17SIT535	AAGASHT	P	P	P	P	P	P
52	37120002	17SIT818	ABHINASHKU MAR	P	P	A	P	P	P
53	37120003	17SIT536	ABISHEKS	P	P	P	P	P	P
54	37120004	17SIT009	AKASHRN	P	P	P	P	P	P
55	37120005	17SIT501	AKASSHP	P	P	P	P	P	A
56	37120006	17SIT502	AKSHAYADITHR	P	P	P	P	P	P
57	37120007	17SIT018	AKSHAYAV	P	P	P	P	P	P
58	37120008	17SIT503	ANANDKUMA RRANJAN	P	P	P	P	P	P
59	37120009	17SIT504	ANIRUDHSRIN IVASGN	P	A	P	P	P	P
60	37120010	17SIT901	APARNAG	P	P	P	P	P	P
61	37120011	17SIT533	ASWINJRICH ARDS	P	P	A	P	P	P
62	37120012	17SIT505	BALAJI S	P	P	P	P	A	P
63	37120013	17SIT001	BATHULASOW MYAREDDY	P	P	P	P	P	P
64	37120014	17SIT802	BENSON	P	P	P	P	P	P

			JOELB						
65	37120015	17SIT902	BHARATHIR	P	P	P	A	P	P
66	37120016	17SIT002	BURRIJANAKI RAM REDDY	P	P	P	P	P	P
67	37120017	17SIT803	CHRISTINAST EFFIF	P	P	P	P	P	P
68	37120018	17SIT921	DANIELN	P	P	P	P	P	P
69	37120019	17SIT813	DEEBIKAS	P	P	A	P	P	P
70	37120020	17SIT817	DEEPIKAM	P	P	P	P	P	P
71	37120021	17SIT903	DEWASHISHK UMAR	P	P	P	P	P	P
72	37120022	17SIT816	DHINESHKUM ARY	P	P	P	P	P	A
73	37120023	17SIT506	DINESHMANJ UR	P	P	P	P	P	P
74	37120024	17SIT507	DIVYABARAT HIT	P	P	P	P	P	P
75	37120025	17SIT904	DIVYA S	P	P	P	P	P	P
76	37120026	17SIT003	EMMANUELC HARLESS	P	A	P	P	P	P
77	37120027	17SIT905	GAYATHRIK S	P	P	P	P	P	P
78	37120070	17SIT525	SIVAKUMARG	P	P	A	P	P	P

R. M.

SIGNATURE OF COURSE COORDINATOR

SIGNATURE OF HEAD OF THE DEPARTMENT

Certificate





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CERTIFICATE OF COMPLETION

This is to certify that **VASAN.S K** has attended and successfully completed the course on **VMWare** conducted by Department of Information Technology from August 2019 to October 2019.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



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CERTIFICATE OF COMPLETION

This is to certify that **VAISHNAVY.P** has attended and successfully completed the course on **VMWare** conducted by Department of Information Technology from August 2019 to October 2019.

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HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



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This is to certify that **ROSHANCHRISTY.R** has attended and successfully completed the course on **VMWare** conducted by Department of Information Technology from August 2019 to October 2019.

DR. R. SUBHASHINI
HOD - Department of IT

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Dean - School of Computing



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This is to certify that **ROHIT.V** has attended and successfully completed
the course on **VMWare** conducted by Department of Information
Technology from August 2019 to October 2019.

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This is to certify that **ROHINI.M** has attended and successfully completed
the course on **VMWare** conducted by Department of Information
Technology from August 2019 to October 2019.

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HOD - Department of IT

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Dean - School of Computing



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CERTIFICATE OF COMPLETION

This is to certify that **PREETHI.S** has attended and successfully completed the course on **VMWare** conducted by Department of Information Technology from August 2019 to October 2019.

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This is to certify that **PRAVIN.I** has attended and successfully completed
the course on **VMWare** conducted by Department of Information
Technology from August 2019 to October 2019.

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HOD - Department of IT

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This is to certify that **PRAKASH.S** has attended and successfully completed the course on **VMWare** conducted by Department of Information Technology from August 2019 to October 2019.

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This is to certify that **NANDHINI. V** has attended and successfully completed the course on **VMWare** conducted by Department of Information Technology from August 2019 to October 2019.

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HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing

DEPARTMENT OF INFORMATION TECHNOLOGY

Organizes

Training Program in

CREATE AND OPERATE APPS FOR
BUSINESS USING
ZOHOCREATOR


30 Hours


DATE

16.09.2019 - 17.11.2019

Registration Link:

<https://bit.ly/3JuTmvK>

**CONTACT :-
Dr.Revathy**



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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55 Fax: 044 - 2450 2344

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COURSE OUTCOME

Create and operate apps for business using ZOHO creator

- To Learn about Entire Tech Stack Configuration and implementation.
- To learn about implementation of database and server
- To implement tools for ZOHO product environment
- Build the app and deployment.



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Course Contents:

ZOHO

Week1: 4Hrs

ZOHO product environment

Week2: 4Hrs

Entire Tech Stack Configuration and implementation

Week3: 4Hrs

Servers and database implementation

Week4: 4Hrs

Infrastructure Implementation

Week5 4Hrs

Operating systems

Week6: 4Hrs

Programming platform and implementation

Week7: 3Hrs

Platforms and Interface

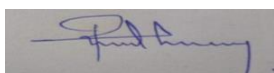
Week8 3Hrs

Building the Apps

List of Enrolled Students

S. No	Reg. No	Roll. No	Name	16.9.19	30.9.19	9.10.19	16.10.19	30.10.19	16.11.19
1	37120028	17SIT508	HARISHM	P	P	P	P	P	P
2	37120029	17SIT819	HARSHGUPTA	P	A	P	P	P	P
3	37120030	17SIT814	HIMANGSHUR ANJAN CHANGMAI	P	P	P	P	P	P
4	37120031	17SIT509	IMMANUELST ANLEYS	P	P	A	P	P	P
5	37120032	17SIT510	IYERPRIYA ESWAR PADALEESWA RAN	P	P	P	P	A	P
6	37120033	17sIT534	JAGANNATHA NS	P	P	P	P	P	P
7	37120034	17SIT532	JAYARASIKAJ	P	P	P	P	P	P
8	37120035	17SIT812	JENILA J	P	P	P	A	P	P
9	37120036	17SIT531	JITHINABHISH EKFERNANDO J	P	P	P	P	P	P
10	37120037	17SIT811	JONNALA GADDA GOUTH MKUMAR	P	P	P	P	P	P
11	37120038	17SIT511	KARTHICKS	P	P	P	P	P	P
12	37120039	17SIT512	KAVIYA V	P	P	A	P	P	P
13	37120040	17SIT906	KEERTHIVASA NE	P	P	P	P	P	P
14	37120041	17SIT513	KISHOREM M	P	P	P	P	P	P
15	37120042	17SIT907	LOGESWARANR	P	P	P	P	P	A
16	37120043	17SIT514	MADHUMITHA CHANDRASEK AR	P	P	P	P	P	P
17	37120044	17SIT005	MOHAMEDAY MANLATHEEF M	P	P	P	P	P	P
18	37120045	17SIT006	MOHAMEDMU DASSIRSALEEM	P	P	P	P	P	P
19	37120046	17SIT019	MOHAMMAD HABIBMEMON	P	A	P	P	P	P
20	37120047	17SIT805	MOHAMMEDS ALMAN	P	P	P	P	P	P
21	37120048	17SIT908	MOHANAPRIY AR	P	P	A	P	P	P
22	37120049	17SIT516	MURUGADOSS R	P	P	P	P	P	P
23	37120050	17SIT909	MUTHUMULA SREELATHA	P	A	P	P	P	P
24	37120051	17SIT517	NANDHITHAB	P	P	P	P	P	P

25	37120052	17SIT518	PADMASHRIR	P	P	A	P	P	P
26	37120053	17SIT007	PERNISAIASHI K	P	P	P	P	P	P
27	37120054	17SIT815	POLISHETTYU PENDHERRAO	P	P	P	P	P	P
28	37120055	17SIT008	PRASHANTHIN IHARIKA KASIREDDY	P	P	P	A	P	P
29	37120056	17SIT519	PUGAZHANTH IR	P	P	P	P	P	P
30	37120057	17SIT911	RAMYAU	P	P	P	P	P	P
31	37120058	17SIT806	RAVIKUMARP	P	P	P	P	P	P
32	37120059	17SIT520	RENGANATHA NC	P	P	A	P	P	P
33	37120060	17SIT521	ROHIT KUMARTIWAR I	P	P	P	P	P	P
34	37120061	17SIT010	ROHITHVAMA KANTHAN	P	P	P	P	P	P
35	37120062	17SIT912	SALMAN	P	P	P	P	P	A
36	37120063	17SIT523	SARANYASHR EES	P	P	P	P	P	P
37	37120064	17SIT011	SARAVANANS	P	P	P	P	P	P
38	37120065	17SIT807	SAYEDSAJID ALI	P	P	P	P	P	P
39	37120066	17SIT913	SELCIYA NAYAGAMM	P	A	P	P	P	P
40	37120067	17SIT914	SHALINIT	P	P	P	P	P	P
41	3612010	16SIT001	AKASH.U	P	P	A	P	P	P
42	3612012	16SIT504	AKHIL.K	P	P	P	A	P	P
43	3612013	16SIT929	AKSHAYA.P	P	P	P	P	P	P
44	3612014	16SIT029	ALDRINADOL PHOUS	P	P	P	P	P	P
45	3612017	16SIT942	ALOKAGNIHO TRI	P	P	P	P	P	P
46	39120001	19S125001	AAKASH.S	P	P	A	P	P	P
47	39120002	19S125057	AARTHI. N	P	P	P	P	P	P
48	39120003	19S125090	ABHINAVKU MAR	P	P	P	P	P	P
49	39120004	19S125002	ADHITHYA.V	P	P	P	P	P	A
50	39120005	19S125003	AISHWARYAL AKSHMI.K	P	P	P	P	P	P
51	39120006	19S125004	AJAY.G	P	P	P	P	P	P
52	39120007	19S125110	AMAN.Gupta	P	P	P	P	P	P
53	39120008	19S125070	AMIRNENI KRISHNATEJA	P	A	P	P	P	P
54	39120009	19S125092	ANGUKAUSHI K.S	P	P	P	P	P	P
55	39120010	19S125072	ANUBAMA. J	P	P	A	P	P	P



SIGNATURE OF COURSE COORDINATOR



SIGNATURE OF HEAD OF THE DEPARTMENT



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Certificate of Completion

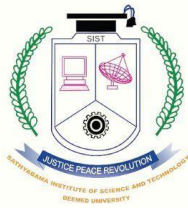
This is to certify that **Shalini** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



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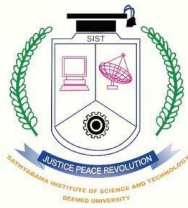
This is to certify that **SHALINI.T** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

Dr. R. Subhashini

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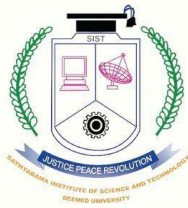
This is to certify that **RENGANATHAN C** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

Dr. R. Subhashini

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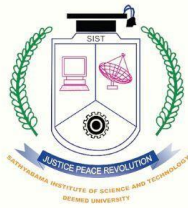
This is to certify that **RAVIKUMAR.P** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

Dr. R. Subhashini

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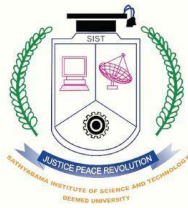
This is to certify that **RAMYA.U** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

Dr. R. Subhashini

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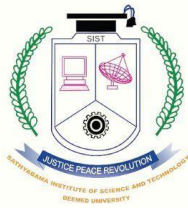
This is to certify that **KAVIYA.V** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

Dr. R. Subhashini

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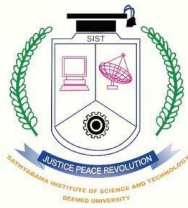
This is to certify that **KARTHICK.S** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

Dr. R. Subhashini

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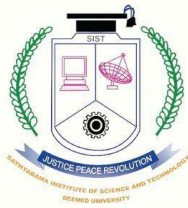
This is to certify that **JAYARASIKAJ** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

Dr. R. Subhashini

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This is to certify that **JAGANNATHAN.S** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

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This is to certify that **HARSHGUPTA** has attended and successfully completed the course on **Create and operate apps for business using ZOHO creator** conducted by Department of Information Technology from September 2019 to November 2019.

Dr. R. Subhashini

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**DATA
ACQUISITION
IN
IOT**

30 Hours

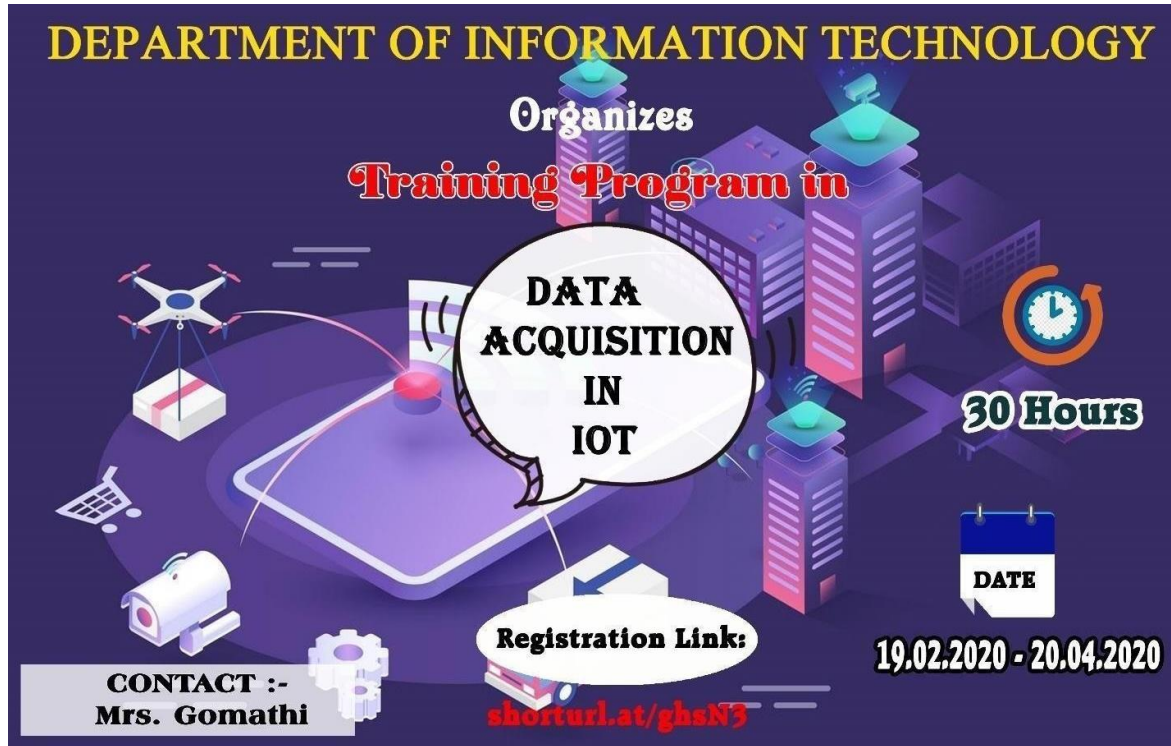
DATE

19.02.2020 - 20.04.2020

Registration Link:

shorturl.at/ghsN3

**CONTACT :-
Mrs. Gomathi**





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COURSE OUTCOME

Data Acquisition in IoT

- Learn the basics of electronics and sensors.
- Learn how to prototype circuits with a breadboard
- Learn the Arduino programming language and IDE
- Learn the Raspberry pi pins and Raspbian OS
- Build the prototype in washmote platform.
- Build the projects for real world applications.



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Course Contents:

Week1:

4Hrs

Brief Introduction of IOT, IOT components, Architecture and Classifications

Week2:

4Hrs

Micro controller Fundamentals, Introduction to Arduino Microcontroller, Working on Arduino IDE, Learning basics of sketch programming

Week3:

4Hrs

Introduction LED based programming and Condition based LED programming using Arduino

Week4:

4Hrs

Working with 16X2 LCD display, Adding LCD Library to IDE,

Week5:

4Hrs

Working with 7 segment display, adding 7 segment display library

Week6:

4Hrs

Demonstrating PIR Motion Sensor, IR sensor, Flame Sensor, Demonstrating Gas Sensor, Temperature Sensor

Week7:

3Hrs

Understanding networks LAN/WAN basics, IP Addressing Scheme, Introduction to Bluetooth Device (HC-05), 2 switch relays

Week8:

3Hrs

Working with Microcontroller Wi-Fi Device (NodeMCU)-ESP8266, Introduction to cloud computing, Sign in-Ada fruit IO, Using Node MCU(ESP8266) module sending data to cloud server

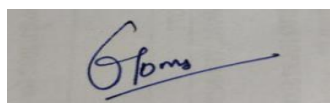
List of Enrolled Students

SNO	REGNO	ROLL NO	NAME	19.2.20	29.2.20	18.3.20	31.3.20	10.4.20	20.4.20
1	3612018	16SIT926	AMANANAND	P	P	P	P	P	P
2	3612019	16SIT938	AMIRTA.R	P	A	P	P	P	P
3	3612020	16SIT928	AMITKUMARJ HA	P	P	P	P	P	P
4	3612021	16SIT952	ANANDH.B	P	P	A	P	P	P
5	3612022	16SIT505	ANIRBANDAT TA ROY	P	P	P	P	A	P
6	3612024	16SIT506	ANKIT KUMAR	P	P	P	P	P	P
7	3612025	16SIT944	ANKITKUMAR SINGH	P	P	P	P	P	P
8	3612027	16SIT565	ANKITSINGH	P	P	P	A	P	P
9	3612028	16SIT904	ANTARIPABO RAH	P	P	P	P	P	P
10	3612031	16SIT953	ARCHANA. C	P	P	P	P	P	P
11	3612033	16SIT583	ARJUN.V	P	P	P	P	P	P
12	3612035	16SIT803	ASHILA.T	P	P	A	P	P	P
13	3612036	16SIT929	ASHUTOSHKU MAR	P	P	P	P	P	P
14	3612037	16SIT804	AVISHA. I	P	P	P	P	P	P
15	3612039	16SIT005	AZARIAHJOHN .K	P	P	P	P	P	A
16	3612040	16SIT971	BAASHWANT HKUMAR.R	P	P	P	P	P	P
17	3612041	16SIT006	BACHINASOU RAV TEJA	P	P	P	P	P	P
18	3612042	16SIT007	BANDISAIKU MARREDDY	P	P	P	P	P	P
19	3612043	16SIT578	BHURSE BHISHANSURE SH	P	A	P	P	P	P
20	3612044	16SIT805	BHUVANESH WARI. G	P	P	P	P	P	P
21	3612045	16SIT576	BISWAJITSAH U	P	P	A	P	P	P
22	3612047	16SIT008	BOPPANAKRIS HNAPRASAD	P	P	A	P	P	P
23	3612049	16SIT806	CHATURVEDU LAANAGHA PRAVEENA	P	P	P	P	A	P
24	3612051	16SIT807	CHINTAKUNT AHARITHA	P	P	P	P	P	P
25	3612055	16SIT809	DEEPIKAMENON.S	P	P	P	P	P	P
26	3612056	16SIT513	DEVKUMAR	P	P	P	A	P	P
27	3612058	16SIT514	DINESHKUMA R.G	P	P	P	P	P	P

28	3612059	16SIT515	DINESHKUMA R.N	P	P	P	P	P	P
29	3612061	16SIT009	EDIGAKARTHI KGOUD	P	P	P	P	P	P
30	3612062	16SIT831	ELLAKKIYA.D	P	P	A	P	P	P
31	3612065	16SIT518	GAUTHAMSHE KAR	P	P	P	P	P	P
32	3612067	16SIT908	GOKUL.R.S	P	P	P	P	P	P
33	3612070	16SIT956	GOPINATH.K	P	P	P	P	P	A
34	3612075	16SIT955	HANUMANTH UGIRISHNAID U	P	P	P	P	P	P
35	3612078	16SIT948	HARSHRAJ	P	P	P	P	P	P
36	3612083	16SIT812	JASMINES	P	P	P	P	P	P
37	3612084	16SIT525	JAYASHREEJ	P	A	P	P	P	P
38	3612085	16SIT028	JAYASHREES	P	P	P	P	P	P
39	3612086	16SIT924	JEEVANATHJ	P	P	A	P	P	P
40	3612087	16SIT566	JITENDRAGUP TA	P	P	P	P	P	P
41	3612088	16SIT970	JOTHI A	P	P	A	P	P	P
42	3612090	16SIT813	KANDIBHAVY A	P	P	P	P	P	P
43	3612092	16SIT960	KASIREDDYL ATHASRI	P	P	P	P	P	P
44	3612094	16SIT957	KAVIARASIK	P	P	P	P	P	A
45	3612095	16SIT958	KAVIYA V	P	P	P	P	P	P
46	3612097	16SIT828	KEERTHANAI	P	P	P	P	P	P
47	3612099	16SIT829	KEERTHANAA V	P	P	P	P	P	P
48	3612100	16SIT560	KEERTHIVASA NPUSHPARAJ	P	A	P	P	P	P
49	3612104	16SIT833	KONAKANDL ARAMAPRAN AVI	P	P	P	P	P	P
50	3612106	16SIT531	KULDEEPKUM AR	P	P	A	P	P	P
51	3612107	16SIT935	KUMARSATYA M	P	P	A	P	P	P
52	3612108	16SIT815	LAKSHMIJAN APRIYAMADD UKURI	P	P	P	P	P	P
53	3612112	16SIT816	MAHALAKSH MIN	P	P	P	P	P	P
54	3612114	16SIT534	MANISHKUMA RYADAV	P	P	P	P	P	A
55	3612115	16SIT575	MDARSALANA BID	P	P	P	P	P	P
56	3612117	16SIT961	MENAGAP	P	P	P	P	P	P
57	3612119	16SIT817	MONISHAC	P	P	P	P	P	P
58	3612121	16SIT535	MURTAZAM	P	A	P	P	P	P
59	3612123	16SIT536	NAIDUCHIRAN JEEVIKRISHN A VENKATESHW ARLOO	P	P	P	P	P	P

60	3612125	16SIT818	NANDHINIR	P	P	A	P	P	P
61	3612130	16SIT962	PAULINEJOYC EZACD	P	P	P	P	P	P
62	3612129	16SIT821	NIRANJANIR	P	P	P	P	P	P
63	3612133	16SIT963	POORNIMAM	P	P	P	P	P	P
64	3612134	16SIT939	PRABHAT SAHU	P	P	A	P	P	P
65	3612137	16SIT538	PRANAYKUM AR	P	P	P	P	P	P
66	3612138	16SIT539	PRARTHANAP ARAMESHWARI RAMANATHA N	P	P	P	P	P	P
67	3612139	16SIT016	PRASANJEETD AS	P	P	P	P	P	A
68	3612142	16SIT943	PRAVEENA V	P	P	P	P	P	P
69	3612145	16SIT832	RAASHIKA. K	P	P	P	P	P	P
70	3612148	16SIT923	RAHUL RAJ.B	P	P	P	P	P	P
71	3612150	16SIT581	RAUNAKKUM ARSINGH	P	A	P	P	P	P
72	3612152	16SIT542	REGAN.G	P	P	P	P	P	P
73	3612153	16SIT964	RESHMA.R	P	P	A	P	P	P
74	3612154	16SIT965	RISHUKUMARI	P	P	P	A	P	P
75	3612155	16SIT543	ROOBAVIGNE SH. M	P	P	P	P	P	P
76	3612157	16SIT567	RUDRARAJGO SWAMI	P	P	P	P	P	P
77	3612159	16SIT025	SAIVAMSIKRI SHNACHIRAL A.V.S	P	P	P	P	P	P
78	3612161	16SIT572	SAKHAYADEE PNATH	P	P	A	P	P	P
79	3612162	16SIT544	SAKTHIVEL. E	P	P	P	P	P	P
80	3612164	16SIT545	SANJUKUMAR	P	P	P	P	P	P
81	3612165	16SIT966	SANTHANALA KSHMI.S	P	P	P	P	P	A
82	3612166	16SIT020	SARAVANAN. V	P	P	P	P	P	P
83	3612168	16SIT546	SAWANKUMA R	P	P	P	P	P	P
84	3612169	16SIT547	SEMRAJKUMA R	P	P	P	P	P	P
85	3612172	16SIT021	SHREEMI SINGH	P	A	P	P	P	P
86	3612173	16SIT561	SHRINATHNIM ARE	P	P	P	P	P	P
87	3612174	16SIT822	SHRUTHI.R	P	P	A	P	P	P
88	3612176	16SIT967	SHWETHA.M	P	P	P	P	A	P
89	3612178	16SIT564	SNEHILSINGH	P	P	P	P	P	P
90	3612182	16SIT901	SRUNGARAPU VENKATA SAI KARTHIKEYA	P	P	P	P	P	P
91	3612183	16SIT549	STEPHEN.K	P	P	P	A	P	P
92	3612185	16SIT945	SHUBHAMKU MAR	P	P	P	P	P	P

93	3612186	16SIT551	SUPRIYAMAN DAL	P	P	P	P	P	P
94	3612190	16SIT032	SYEDAARIFSU HAIBQADRI	P	P	P	P	P	P
95	3612191	16SIT824	TAMILBHARA THI.R	P	P	A	P	P	P
96	3612192	16SIT031	THORATISRINI VASMANIKAN TA	P	P	P	P	P	P
97	3612194	16SIT562	UDAYANCHO UDHURY	P	P	P	P	P	P
98	3612197	16SIT916	VEERABOMM ASAIRITHIKA	P	P	P	P	P	A
99	3612198	16SIT825	VEMULA TSLVDURGA PRATHYUSHA	P	P	P	P	P	P
100	3612200	16SIT922	VIKRAMKUM ARMEHTA	P	P	P	P	P	P
101	3612201	16SIT555	VINOTH.R	P	P	P	P	P	P
102	3612202	16SIT968	VINOTHINI.R	P	A	P	P	P	P
103	3612203	16SIT969	VISHALINI.J	P	P	P	P	P	P
104	3612204	16SIT826	VISHWAPRIYA .S	P	P	A	P	P	P
105	3612205	16SIT026	VUDUMSHIVA KRISHNA	P	P	P	P	P	P
106	3612206	16SIT556	VUPPALANCH USAIKUMAR	P	P	P	P	P	P
107	3612212	16SIT827	ROSLINKANUS HYA	P	P	P	A	P	P
108	3612213	16SIT837	INFANT PHILORAJULA. B	P	P	P	P	P	P
109	3612214	16SIT838	MEENAKSHLA	P	P	P	P	P	P
110	3612801	17SLIT701	DURAINIVETH AN.MA	P	P	P	P	P	P
111	37120068	17SIT102	SHALINIS	P	P	A	P	P	P
112	37120069	17SIT915	SHANMUGAPR IYANN	P	P	P	P	P	P
113	37120070	17SIT525	SIVAKUMARG	P	P	P	P	P	P
114	37120071	17SIT013	SNEHAJ	P	P	P	P	P	A
115	37120072	17SIT916	SOWMIYA K	P	P	P	P	P	P
116	37120073	17SIT917	SOWNDHARY AK	P	P	P	P	P	P
117	37120074	17SIT918	SUBHIKSHAC	P	P	P	P	P	P
118	37120075	17SIT527	SUPRIYAS	P	A	P	P	P	P
119	37120076	17SIT528	SURUTHI M	P	P	P	P	P	P
120	37120077	17SIT808	SYEDMUBBAS HIRNAJMU	P	P	A	P	P	P



SIGNATURE OF COURSE COORDINATOR



SIGNATURE OF HEAD OF THE DEPARTMENT



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Certificate of Completion

This is to certify that

Shanmugapriyan N

has attended and successfully completed the course on
Data Acquisition in IoT conducted by Department of Information Technology
from February 2020 to April 2020.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



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JAYASHREE S

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GOKUL.R.S

has attended and successfully completed the course on
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DINESHKUMAR.G

has attended and successfully completed the course on
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DEVKUMAR

has attended and successfully completed the course on
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BACHINASOURAV TEJA

has attended and successfully completed the course on
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BAASHWANTHKUMAR.R

has attended and successfully completed the course on
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AZARIAHJOHN.K

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HOD - Department of IT

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Dean - School of Computing

DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES

Training program in Python Programming

Duration:30 Hours

10.2.2020- 15.4.2020

Organizer:
Dr.Jeyanthi
Department of IT

Registration link :shorturl.at/ywvAX





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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119.

Phone: 044 - 2450 3150 / 51 / 52 / 54 / 55 Fax: 044 - 2450 2344

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COURSE OUTCOME

Python Programming

- Interpret the fundamental Python syntax and semantics and be fluent in the use of Python control flow statements.
- Express proficiency in the handling of strings and functions.
- Determine the methods to create and manipulate Python programs by utilizing the data structures like lists, dictionaries, tuples and sets.
- Identify the commonly used operations involving file systems and regular expressions.
- Articulate the Object-Oriented Programming concepts such as encapsulation, inheritance and polymorphism as used in Python



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Course Contents:

Week1: 4Hrs

Program structure Environment Setup, Loops and Decision Making, Functions

Week2: 4Hrs

Python Modules and Packages, Framework vs Packages, Folium Introduction, Importing modules

Week3: 4Hrs

The import Statement, The from... import Statement, The from...import, Statement

Week4: 4Hrs

Python GUI, Basic Operations using Tkinter, Buttons and Textbox

Week5: 4Hrs

Menu Bar, Message Box and Radio Button, Checkbox and Event Creation

Week6: 4Hrs

Creating Application in GUI SQL and Python, Overview of SQLite, Integrating Python with SQLite

Week7: 3Hrs

Advanced Concept–Overviews, Basics of Pandas and Numpy, how to use Anaconda

Week8: 3Hrs

How to create dashboard, Overview of Django framework and its components

List of Enrolled Students

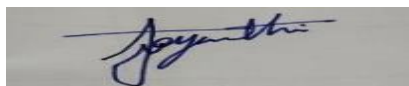
S. No	Reg. No	Roll. No	Name	19.2.20	29.2.20	18.3.20	31.3.20	10.4.20	20.4.20
1	39120012	19s125007	ANVESH.N	P	P	P	P	P	P
2	39120013	19S125009	ARJUN.A	P	A	P	P	P	P
3	39120014	19S125010	ARUNACHAL AM. R	P	P	P	P	P	P
4	39120015	19S125098	BALAJI.MANCHI	P	P	A	P	P	P
5	39120016	19S125012	BOOMESH.M	P	P	P	P	A	P
6	39120017	19S121017	BRUNDAVAN AMDURGASU MANTH MANI	P	P	P	P	P	P
7	39120018	19S125013	CHARAN.V	P	P	P	P	P	P
8	39120019	19S125082	DARSHAN.DS	P	P	P	A	P	P
9	39120020	19S125063	DARSHAN.AN AND	P	P	P	P	P	P
10	39120022	19S125076	DHANESHW R.V	P	P	P	P	P	P
11	39120023	19S125014	DHINAKARAN .B	P	P	P	P	P	P
12	39120024	19S125071	DIGANTAPANDA	P	P	A	P	P	P
13	39120025	19s125015	DINESHKUMA R.S	P	P	P	P	P	P
14	39120026	19S121003	DIYAMARY.D	P	P	P	P	P	P
15	39120027	19S121006	DURGAPRASA D.K	P	P	P	P	P	A
16	39120028	19S125112	EDUPUGANTI SRIVALLI. E	P	P	P	P	P	P
17	39120029	19S121004	ESTHER.D	P	P	P	P	P	P
18	39120030	19S125122	EVANGELIN.E	P	P	P	P	P	P
19	39120031	19S125083	FEROSEMOOS HA.FJ	P	A	P	P	P	P
20	39120032	19S125096	GOBIGA.B	P	P	P	P	P	P
21	39120033	19S125016	GOKULKUMA R.S	P	P	A	P	P	P
22	39120034	19S125097	GOKULKRIS HNA.S	P	P	P	P	P	A
23	39120035	19S125115	GOKULNATH. SREERANGAM	P	P	P	P	P	P

24	39120036	19S125089	HARISH.KATARI	P	P	P	P	P	P
25	39120037	19S125119	HARISHDHAR AN.P	P	P	P	P	P	P
26	39120038	19S125018	HEMALATHA.V	P	A	P	P	P	P
27	39120039	19S125019	HEMANTHKU MAR. IRLA	P	P	P	P	P	P
28	39120040	19S125109	INIYADHARSINI. S	P	P	A	P	P	P
29	39120041	19S125020	JACOBRAJA.T	P	P	P	P	P	P
30	39120042	19S125021	JAGADEES.M	P	P	A	P	P	P
31	39120043	19S125022	JAYAPRADEE SH.SL	P	P	P	P	P	P
32	39120044	19S121002	JAYADEEP.BO BBA	P	P	P	P	P	P
33	39120045	19S125008	JAYARAM.AR AVA	P	P	P	P	P	A
34	39120046	19S121013	JEBIN EARNEST. A	P	P	P	P	P	P
35	39120047	19S125023	JESTIN JOSE.P	P	P	P	P	P	P
36	39120048	19S125074	JOSHUA.J	P	P	P	P	P	P
37	39120049	19S125069	JUSHWANTHK UMAR.T	P	A	P	P	P	P
38	39120050	19S125024	KALAIVANI.M	P	P	P	P	P	P
39	39120051	19S125087	KARTHIKRED DY.MALIGIRE DDY	P	P	A	P	P	P
40	39120052	19S125025	KAVEYHA. G	P	P	P	P	P	A
41	39120053	19S125067	KESHIHAA. M	P	P	P	P	P	P
42	39120054	19S125026	KIRAN.K	P	P	P	P	P	P
43	39120055	19S125027	KISHORE.D	P	P	P	P	P	P
44	39120056	19S121005	KISHORE KUMAR. A	P	A	P	P	P	P
45	39120057	19S121016	KOMAL.KONT EMUKKULA	P	P	P	P	P	P
46	39120058	19S125028	KUMARAN. B	P	P	A	P	P	P
47	39120059	19S125085	LAKSHMIVIG NESH.BEZAW ADA	P	P	P	P	P	P
48	39120060	19S125093	LAKSHMINAR AYANA.KANT E	P	P	P	P	P	P
49	39120061	19S125114	LIKITHA.KAL ARI	P	P	P	P	P	P
50	39120062	19S125029	LOKESH. N	P	A	P	P	P	P
51	39120072	19S129004	MYTHILI.V	P	P	P	P	P	P
52	39120073	19S125111	NAGASRISAI.K	P	P	A	P	P	P

53	39120074	19S125033	NANDANANAI.R.S	P	P	P	P	P	P
54	39120075	19S121018	NIKHIL.KOKO NDA	P	P	P	P	P	P
55	39120076	19S125073	NITHESHWER.VS	P	P	P	A	P	P
56	39120077	19S125034	NITHISHKUM AR.CM	P	P	P	P	P	P
57	39120078	19S125100	PALLAVIKUM ARI	P	P	P	P	P	P
58	39120079	19S125103	PARTHAPRATI M.HALDER	P	P	P	P	P	P
59	39120080	19S125035	PORKODI. S	P	P	A	P	P	P
60	39120081	19S125117	PRABHAT KUMAR. P	P	P	P	P	P	P
61	39120082	19s125102	PRADEESHRAJ.K	P	P	P	P	P	P
62	39120083	19S125036	PRAVEEN.KS	P	P	P	P	P	A
63	39120084	19S125056	PREETHI.S	P	P	P	P	P	P
64	39120085	19S125099	PRITHIVIRAJ.M	P	P	P	P	P	P
65	39120086	19S125037	PRIYADHARS HANI.B	P	P	P	P	P	P
66	39120087	19S125078	RAHUL.AGAR ALA	P	A	P	P	P	P
67	39120088	19S125095	RAHULADESH .M	P	P	P	P	P	P
68	39120089	19S125038	RAHUMAN. M	P	P	A	P	P	P
69	39120090	19S125039	RAJAGANESH.A	P	P	P	P	P	P
70	39120091	19S125084	RAMANAN. B	P	P	A	P	P	P
71	39120092	19S125105	RAUSHANKU MAR	P	P	P	P	P	P
72	39120093	19S121010	RAVI SHANKAR.MD	P	P	P	P	P	P
73	39120094	19S125088	RAVISHANKA R. D	P	P	P	P	P	A
74	39120095	19S121014	RICHASHARM A.KM	P	P	P	P	P	P
75	39120096	19S125058	RITHIWIK. E	P	P	P	P	P	P
76	39120097	19S125040	ROJARBENNY.K	P	P	P	P	P	P
77	39120098	19S125106	SAIHANEESH. SANGARJU	P	A	P	P	P	P
78	39120099	19S125041	SAKTHIGANESH. S	P	P	P	P	P	P
79	39120100	19S129002	SAKTHIVEL. R	P	P	A	P	P	P
80	39120101	19S121001	SAMRIHTA.AR	P	P	P	P	P	P
81	39120102	19S125079	SANKARI.K	P	P	P	A	P	P
82	39120103	19S125118	SARANYA. M	P	P	P	P	P	P

83	39120104	19S125068	SARATH.L	P	P	P	P	P	P
84	39120105	19S125059	SATHISHKUM AR.V S	P	P	P	P	P	P
85	39120106	19S125042	SHAJITHAHA MED.S	P	P	A	P	P	P
86	39120107	19S125043	SHAMVENKAT.S	P	P	P	P	P	P
87	39120108	19S125066	SHARIN.S	P	P	P	P	P	P
88	39120109	19S125044	SHARONSWET HA.X	P	P	P	P	P	A
89	39120110	19S125107	SHAURYASA MEER.SS	P	P	P	P	P	P
90	39120111	19S125101	SHESHASENA REDDY.KESH APALLY	P	P	P	P	P	P
91	39120112	19S121011	SHILP.GOHIL	P	P	P	P	P	P
92	39120113	19S125091	SIRANJEEVI.R	P	A	P	P	P	P
93	39120114	19S125062	SIVAPRIYA. P	P	P	P	P	P	P
94	39120115	19S121008	SNEHALATHA REDDY. LAKKU	P	P	A	P	P	P
95	39120117	19S129003	SOWMIYA.S	P	P	P	P	P	P
96	39120118	19S125104	SOWMYASREE.T	P	P	P	P	P	P
97	39120119	19S125005	SRAVANTHSA TYARAMKI. AKULA	P	P	A	P	P	P
98	39120120	19S125048	SRISWETHA.G	P	P	P	P	P	P
99	39120121	19S125047	SRIRANGAPR ASATH.V	P	P	P	P	P	P
100	39120122	19S125049	SUJAY.R	P	P	P	P	P	A
101	39120123	19s125121	SURYA.S	P	P	P	P	P	P
102	39120124	19S125120	SUSHANT KUMAR	P	P	P	P	P	P
103	39120125	19S121007	SUSHANT KUMAR. L	P	P	P	P	P	P
104	39120126	19S125051	SUSILKUMAR. RM	P	A	P	P	P	P
105	39120127	19S125116	TANIYA.VER MA	P	P	P	P	P	P
106	39120128	19S125075	THENDRAL.S	P	P	A	P	P	P
107	39120129	19S125113	TILAK.CHAUHAN	P	P	P	A	P	P
108	39120130	19S125086	VAMSHI.BAL AGANI	P	P	P	P	P	P
109	39120131	19S121009	VAMSI.MOGA LIPURI	P	P	P	P	P	P
110	39120132	19S125065	VASANTH. P	P	P	P	P	P	P
111	37120070	17SIT525	SIVAKUMARG	P	P	A	P	P	P
112	37120080	17SIT809	VAJRAPUULLAS	P	P	P	P	P	P

113	37120081	17SIT919	VARSHAM	P	P	P	P	P	P
114	37120082	17SIT810	VEDHANAYA KIR	P	P	P	P	P	A
115	37120083	17SIT014	VEMANA AKHI LNEERAJ	P	P	P	P	P	P
116	37120084	17SIT910	VIJAY VINAYAK R	P	P	P	P	P	P
117	37120085	17SIT016	YALAMANCHI LIVENKATAS AI	P	P	P	P	P	P
118	37120086	17SIT017	YEECHURISA NTHOSH	P	A	P	P	P	P
119	37120087	17SIT820	DINESH Kumar A	P	P	P	P	P	P
120	37120701	18SLIT901	MDFARHAN	P	P	A	P	P	P



SIGNATURE OF COURSE COORDINATOR



SIGNATURE OF HEAD OF THE DEPARTMENT



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
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CERTIFICATE OF COMPLETION

This is to certify that

SIVAKUMAR G

has attended and successfully completed the course on
Python Programming conducted by Department of Information Technology
from February 2020 to April 2020.

Dr. R. Subhashini
HOD - DEPARTMENT OF IT

Dr. T. Sasikala
DEAN - SCHOOL OF COMPUTING



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CERTIFICATE OF COMPLETION

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NAGASRISAI.K

has attended and successfully completed the course on
Python Programming conducted by Department of Information Technology
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Dr. T. Sasikala

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CERTIFICATE OF COMPLETION

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KISHORE.D

has attended and successfully completed the course on
Python Programming conducted by Department of Information Technology
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Dr. R. Subhashini

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KIRAN.K

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CERTIFICATE OF COMPLETION

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GOKULKUMAR.S

has attended and successfully completed the course on
Python Programming conducted by Department of Information Technology
from February 2020 to April 2020.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



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CERTIFICATE OF COMPLETION

This is to certify that

GOBIGA.B

has attended and successfully completed the course on
Python Programming conducted by Department of Information Technology
from February 2020 to April 2020.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



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CERTIFICATE OF COMPLETION

This is to certify that

EVANGELINE

has attended and successfully completed the course on

Python Programming conducted by Department of Information Technology

from February 2020 to April 2020.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



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CERTIFICATE OF COMPLETION

This is to certify that

ESTHER.D

has attended and successfully completed the course on
Python Programming conducted by Department of Information Technology
from February 2020 to April 2020.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

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CERTIFICATE OF COMPLETION

This is to certify that

ARUNACHALAM. R

has attended and successfully completed the course on

Python Programming conducted by Department of Information Technology

from February 2020 to April 2020.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



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CERTIFICATE OF COMPLETION

This is to certify that

ARJUN.A

has attended and successfully completed the course on
Python Programming conducted by Department of Information Technology
from February 2020 to April 2020.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING

REGISTRATION

Students / Research Scholars : Rs. 2000
Academician / Industrial Participants : Rs. 3000

REGISTRATION FORM

"WINGC-2020" 27th -29th February 2020

Name of the Participant :

Gender :

Designation :

Department/ Institute :

Address for Communication:

E-mail/ Fax :

Mobile No/Phone No :

Cash :

Demand Draft No :

Name of the Bank and Date :

Signature of the Candidate

Place:

Date:

Signature of

the Head/Supervisor

For Further Details Contact

Mr. C.Kumar
Scientist B,
Centre for Ocean Research
Email: kumar.cor@sathyabama.ac.in
Mobile: 8220232039

Dr. T.Krithiga
Associate Professor
Department of Chemistry
Email: krithiga.chemistry@sathyabama.ac.in
Mobile: 9176672094

Sathyabama Institute of Science and Technology
Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119



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Workshop on Interpretation of Gas Chromatography

"WINGC-2020"

27th - 29th FEBRUARY 2020



Jointly Organized by
Centre for Ocean Research
and
Department of Chemistry

in Association With



Toshvin Analytical Pvt. Ltd, Chennai.

ABOUT WINGC-2020

Gas Chromatography–Mass Spectrometry (GC-MS) and Inductively Coupled Plasma Mass Spectrometry (ICP-MS) both are Major analytical method to identify, quantify and to analyze the organic/inorganic components present in the given test sample even in a negligible quantity. They have a wide range of applications in the fields of Pharmaceutical industry, Forensic field, Pesticide analysis, Environmental pollutant detection and analysis, Water quality analysis, identification of unknown samples and toxicology studies etc.

This three days training program includes all the techniques involved in the analysis of test samples.

- Guest lectures on the chosen topics by eminent personalities.
- Industry experts will give more in depth guidelines to handle the equipments.
- Hands-on training on Sample preparation, Column packing, Solvent Selection, Method development, Tuning and calibration, Peak integration and result generation etc.
- Interpretation of results and export of spectra to publication quality will be discussed.

This valuable 3 days workshop will lead you to the wide range of opportunities in numerous fields.

PROGRAM SCHEDULE

27 th February 2020		
08:00am – 09:00am Registration 09:00am – 10:00am Inauguration 10:00am – 10:15am Tea Break		
10:30am – 12:30pm	Lecturer on Mass Spectrometry and its interpretation	Prof. Dr. P.Rajakumar University of Madras, Chennai
12:30pm – 01:30pm	Lunch Break	
01:30pm - 03:00pm	Principle and Applications of ICP-MS	Dr.S.Vijayalakshmi Head, ACS, ACSD, IGCAR-DAE, Kalpakkam
28 th February 2020		
09:00am – 03:00pm	Batch I GCMS - Hands on Training with interpretation of Organic Compounds	Batch II ICPMS - Hands on Training with interpretation of In-Organic Compounds
12:15pm – 01:00pm	Lunch Break	
29 th February 2020		
09:00am – 02:00pm	Batch II GCMS - Hands on Training with interpretation of Organic Compounds	Batch I ICPMS - Hands on Training with interpretation of In-Organic Compounds
12:15pm – 01:00pm	Lunch Break	
02:00pm – 03:00pm	Valedictory Function & Certificate Distribution	

PATRONS

Dr. Marie Johnson
President

Dr. Mariazeena Johnson
Chancellor

Dr. S.Sundar Manoharan
Vice-Chancellor

Sathyabama Institute of Science and Technology

Organizing Secretary

Dr. B.Sheela Rani
Director (Research)

Conveners

Dr. J.Karthikeyan
Head & Associate Professor
Dr. T.Krithiga
Associate Professor,
Department of Chemistry

Mr. C.Kumar
Scientist B,
Mr. R.Thirugnanasambandam
Scientist B,
Centre for Ocean Research

Co-Conveners

Dr. D.Inbakandan
Head & Scientist E
Centre for Ocean Research

Dr. V.Ganesh Kumar
Scientist E
Centre for Ocean Research

Organizing Committee Members

Centre for Ocean Research

Department of Chemistry

Dr. L. Stanley Abraham, Scientist E
Dr. K. Govindaraju, Scientist E
Dr. V. Parameswaran, Scientist D
Dr. M. Ravi, Scientist C
Dr. T. Stalin Dhas, Scientist B
Dr. V. Karthick, Scientist B
Mr. J. Baalamurugan, Scientist B

Dr. A. Sheik Mideen, Professor
Dr. V. Kavitha, Professor
Dr. S. Supriya, Associate Professor
Dr. S. Sunitha, Assistant Professor
Dr. K. Chennakesavelu, Associate Professor



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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu, India.



5 DAYS - FACULTY DEVELOPMENT PROGRAMME

Online Course on Methodology & Data Interpretation of Analytical Instrumentation Techniques

Jointly Organized by

Col. Dr. Jeppiaar Research Park, Centre for Ocean Research & Department of Chemistry

In Association with

Ministry Of Earth Sciences - Earth Science Technology Cell (MoES-ESTC)

Date: 15 - 19 June, 2020



Nuclear Magnetic Resonance (NMR)

Basic Principle & Interpretation.

Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Dept. of Organic Chemistry, University of Madras
Date: 15.06.2020; Time: 10 - 12. 30 noon

Fourier-transform infrared spectroscopy (FTIR) .

Basic Principle & Interpretation.

Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Department of Organic Chemistry, University of
Madras. Date: 16.06.2020; Time: 10 - 11.00 am



**Ultraviolet-Visible Spectroscopy (UV-Vis) Basic
Principle & Interpretation.**

Dr. K. Chennakesavulu

Associate Professor, Department of Chemistry
Date: 17.06.2020; Time: 10 - 11. 00 am

Registration Fee: Rs. 500 /-

(Limited Seats - Registered participants will
be intimated through Email)

For Registration : <https://bit.ly/2XbJAJH>

Last Date for Registration : 12/06/2020.



Thermogravimetric analysis (TGA)

Basic Principle & Interpretation.

Dr. R. Vasantharaja

ICAR - Project fellow, Centre for Ocean Research
Date: 18.06.2020; Time: 10 - 11.00 am

Who can apply?

Faculty members from science and engineering
discipline are eligible to apply.

**E- CERTIFICATE WILL BE ISSUED UPON SUCCESSFUL
COMPLETION OF THE COURSE**



**Gas Chromatography & Mass Spectrometry
(GC-MS) . Basic Principle & Interpretation.**

Mr. C. Kumar

Scientist B, Centre for Ocean Research
Date: 19.06.2020; Time: 10 - 11.00 am



Organizing Secretary:

Dr. B. Sheela Rani, Director (Research), Sathyabama Institute of Science and Technology

Programme Coordinators:

Dr. D. Inbakandan, Head & Scientist E, Centre for Ocean Research

Dr. J. Karthikeyan, Head & Associate Professor, Department of Chemistry

Dr. V. Ganeshkumar, Scientist E, Centre for Ocean Research

Convener:

Mr. C. Kumar, Scientist B, Centre for Ocean Research.

Dr.T.Krithiga, Associate Professor, Department of Chemistry

Co-Conveners:

Dr. T. Stalin Dhas, Dr. V. Karthick, Mr. R. Thirugnanasambandam & Mr. J. Baalamurugan
Scientist B, Centre for Ocean Research.

Contact: 8220232039

9176672094, 8144504346

kumar.cor@sathyabama.ac.in



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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu, India.



6 DAYS - FACULTY DEVELOPMENT PROGRAMME

ON

Mass Spectrometry and Thermal Analysis Techniques

Jointly Organized by

Col. Dr. Jeppiaar Research Park, Centre for Ocean Research & Department of Chemistry

In Association with

Ministry of Earth Sciences - Earth Science Technology Cell (MoES-ESTC)

Date: 13 - 18 July, 2020



Patrons:

Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Dr. T. Sasipraba, Vice Chancellor

Organizing Secretary:

Dr. B. Sheela Rani
Director (Research)

Programme Coordinators:

Dr. D. Inbakandan, Head & Scientist E,
Centre for Ocean Research
Dr. J. Karthikeyan, Head & Assoc. Prof
Department of Chemistry
Dr. L. Stanley Abraham, Scientist E,
Centre for Ocean Research

Conveners:

Mr. C. Kumar, Scientist B,
Centre for Ocean Research.
Dr. T. Krithiga, Associate Professor,
Department of Chemistry

Co-Conveners:

Mr. R. Thirugnanasambandam,
Dr. T. Stalin Dhas, Dr. V. Karthick, &
Mr. J. Baalamurugan
Scientist B
Centre for Ocean Research



**Application Oriented Talk on GC-MS,
Gas Chromatography & Mass Spectrometry**
Mr. Dushyanth Hegde, Assistant Manager
(Application Support), Toshvin Analytical Pvt Ltd.,
Bangalore, Date: 13.7.2020; Time: 10 - 12 noon



**Liquid Chromatography & Mass Spectrometry
(LC-MS) Basic Principle & Interpretation.**
Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Dept. of Organic Chemistry, University of Madras
Date: 14.7.2020; Time: 10 - 12 noon



**Inductively coupled Plasma Mass Spectrometry
(ICP-MS) . Basic Principle & Interpretation.**
Dr. T. Y. Suman, Post Doctoral Fellow,
Henan Normal University, Xinxian, China
Date: 15.7.2020; Time: 10 - 12 noon



**Matrix-Assisted Laser Desorption/Ionization
(MALDI-TOF). Basic Principle & Interpretation.**
Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Department of Organic Chemistry, University of
Madras. Date: 16.7.2020; Time: 10 - 12 noon



**Thermal Analysis & Thermo kinetics
(TGA/DTA/DSC) Basic Principle & Interpretation.**
Dr. K. Chennakesavulu
Associate Professor, Department of Chemistry
Date: 17. 7.2020 & 18.7.2020; Time: 10 - 12 noon

Registration Fee: Rs. 500 /- (Limited Seats only)

(E- Certificate will be given for the successfully completed participants)

For Registration : <https://bit.ly/2YLqCuk>

Last Date for Registration : 11/07/2020.

Contact: 8220232039

9176672094, 8144504346

kumar.cor@sathyabama.ac.in



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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119, Tamil Nadu, India.



5 DAYS - FACULTY DEVELOPMENT PROGRAMME ON Mass Spectrometry and Thermal Analysis Techniques

Jointly Organized by

Col. Dr. Jeppiaar Research Park, Centre for Ocean Research & Department of Chemistry

In Association with

Ministry Of Earth Sciences - Earth Science Technology Cell (MoES-ESTC)

Date: 13 - 17 June, 2020



**Application Oriented Talk on GC-MS,
Gas Chromatography & Mass Spectrometry**
Mr. Dushyanth Hegde, Assistant Manager
(Application Support), Toshvin Analytical Pvt Ltd.,
Bangalore, Date: 13.07.2020; Time: 10 - 12 am



**Liquid Chromatography & Mass Spectrometry
(LC-MS) Basic Principle & Interpretation.**
Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Dept. of Organic Chemistry, University of Madras
Date: 14.07.2020; Time: 10 - 12.30 noon



**Thermal Analysis & Thermo kinetics
(TGA/DTA/DSC) Basic Principle & Interpretation.**
Dr. K. Chennakesavulu
Associate Professor, Department of Chemistry
Date: 17.06.2020; Time: 10 - 11am



**Matrix-Assisted Laser Desorption/Ionization
(MALDI-TOF). Basic Principle & Interpretation.**
Prof. Dr. P. Rajakumar, UGC - BSR Faculty,
Department of Organic Chemistry, University of
Madras. Date: 16.07.2020; Time: 10 - 11 am



**Inductively coupled Plasma Mass Spectrometry
(ICP-MS) . Basic Principle & Interpretation.**
Dr. T. Y. Suman, Post Doctoral Fellow,
Henan Normal University, Xinxiang, China
Date: 17.06.2020; Time: 10 - 11 am

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Dr. Marie Johnson, President

Dr. T. Sasipraba, Vice Chancellor
Dr. S. S. Rau, Registrar

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Scientist B, Centre for Ocean
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Last Date for Registration : 11/07/2020.

Contact: 8220232039

9176672094, 8144504346

kumar.cor@sathyabama.ac.in

Course outcome:

On successful completion of the course the student will be able to

- Interpret the spectral data of IR, UV-Visible, NMR.
- Assess the fragmentation pattern for the organic molecules.
- Predict the reaction mechanism for the organic reaction



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Methodology & Data Interpretation of Analytical Instrumentation Techniques"

Feb, June and July 2020

Attendance Sheet

Name of the Student	Register Number	27/2	28/2	13/6	14/6	15/6	16/6	17/6	18/6	19/6	13/7	14/7	15/7	16/7	17/7	18/7
GOMATHI.V	39910006	p	p	p	p	p	P	p	p	p	p	p	p	p	p	p
C. MERLIN SHEEBA	39910012	p	p	p	p	p	P	p	p	p	p	p	p	p	p	p
AMBIKA M	39910002	p	p	p	p	p	P	p	p	p	p	p	p	p	p	p

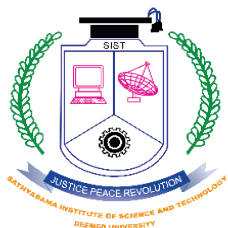
T. Krithiga

Dr. T.Krithiga
Convener

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

HEAD OF THE DEPARTMENT
DEPARTMENT OF CHEMISTRY
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeppiaar Nagar, Rajiv Gandhi Salai
Chennai - 600 119



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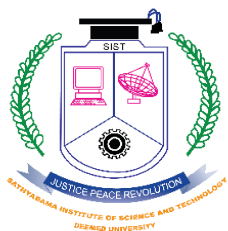
Institute of Science and Technology
(Deemed to be University)
JEPPIAR NAGAR, RAJIV GANDHI SALAI
CHENNAI - 600119

DEPARTMENT OF CHEMISTRY

This is to certify that Dr. / Mr. /Ms. **GOMATHI**, Reg.no. 39910006, **Dept of chemistry, Sathyabama Institute of Science and Technology** has participated in the 15 day workshop and successfully completed the 30 hour Value added course on “Methodology and Data Interpretation of Analytical Instrumental Technique” organized by the Department of Chemistry, Sathyabama Institute of Science and Technology in the month of Feb, June, and July 2020.

Dr. J. Karthikeyan
Head, Department of Chemistry

Dr.T.Krithiga
Convener,



SATHYABAMA

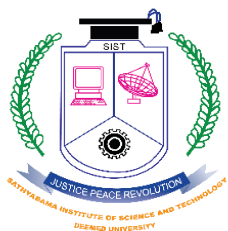
Institute of Science and Technology
(Deemed to be University)
JEPPIAR NAGAR, RAJIV GANDHI SALAI
CHENNAI - 600119

DEPARTMENT OF CHEMISTRY

This is to certify that Dr. / Mr. /Ms. **MERLIN SHEEBA C**, Reg.no. **39910012**, Dept of chemistry, Sathyabama Institute of Science and Technology has participated in the 15 day workshop and successfully completed the 30 hour Value added course on “Methodology and Data Interpretation of Analytical Instrumental Technique” organized by the Department of Chemistry, Sathyabama Institute of Science and Technology in the month of Feb, June, and July 2020.

Dr. J. Karthikeyan
Head, Department of Chemistry

Dr.T.Krithiga
Convener,



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Institute of Science and Technology
(Deemed to be University)
JEPPIAR NAGAR, RAJIV GANDHI SALAI
CHENNAI - 600119

DEPARTMENT OF CHEMISTRY

This is to certify that Dr. / Mr. /Ms. **AMBIKA**, Reg.no. 39910002, **Dept of chemistry, Sathyabama Institute of Science and Technology** has participated in the 15 day workshop and successfully completed the 30 hour Value added course on “Methodology and Data Interpretation of Analytical Instrumental Technique” organized by the Department of Chemistry, Sathyabama Institute of Science and Technology in the month of Feb, June, and July 2020.

Dr. J. Karthikeyan
Head, Department of Chemistry

Dr.T.Krithiga
Convener,



INVITATION



WORKSHOP ON INTERPRETATION OF INSTRUMENTAL METHODS (WIIM-2020)

(UV-VIS, FTIR, BET Surface Area, Particle Size Distribution, Zeta Potential, Contact Angle, XRF and FESEM)

to be held on 6th - 10th January 2020

organized by

DEPARTMENT OF CHEMISTRY

&

**INTERNATIONAL RESEARCH CENTRE
SATHYABAMA INSTITUTE OF SCIENCE
AND TECHNOLOGY
(Deemed to be University)**

&

in association with



**CSIR-NATIONAL METALLURGICAL
LABORATORY MADRAS CENTRE**

**CSIR Madras Complex, Taramani
Chennai – 600 113**

WHO CAN BENEFIT

Scientists, Faculty Members, Postdoctoral Fellow, Research Scholars, Students from Science and Engineering branches (Minerals / Metallurgy / Chemical/ Civil / Polymer / Materials Science / Organic / Analytical / Industrial / Physical / Surface Chemistry), Quality Control, Research and Development and wishing to improve their professional skills and handling the analytical instruments and interpretation of their results.

OUTLINE OF THE WORKSHOP

- Theory related to instrumental methods of analysis
- UV-Visible and FTIR demo experiments and interpretation of results
- Interpretation of BET- Adsorption isotherms, Pore Size distribution curves
- Interpretation of Particle Size distribution - Zeta Potential measurements
- Interpretation of Contact angle and Surface energy measurement
- XRF and its significance
- Electron Microscopy and its applications

ABOUT SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

Sathyabama Institute of Science and Technology is a pioneer in Engineering Education and was established with the aim of providing quality higher education in the areas of Engineering, Science and Technology on par with International standards. It persistently seeks and adopts innovative methods to improve the quality of higher education. The University has been accredited by National Assessment and Accreditation Council (NAAC) and ISO 9001: 2008 Certification for Professional Quality Management Practices. The Institute offers 31 undergraduate programmes and 27 postgraduate programmes in diverse fields of education. State of the art Library, International Research Centre and an exclusive Research & Development Centre provide rich experience of learning and thereby fulfilling students' thirst for success. The University has undertaken various Sponsored and collaborative research and development projects funded by national organizations such as Indian Space Research Organization (ISRO), Department of Science and Technology (DST), Indira Gandhi Centre for Atomic Research (IGCAR), Defence Research and Development Organization (DRDO), Department of Bio-Technology (DBT), Ministry of Environment and Forests (MoEF), Board of Research in Nuclear Sciences (BRNS) etc. The university holds great promise to expand the applications of space technology, benefiting the common man and enriching the quality of life. A step towards achieving this, the university is successfully conducting non formal education programmes through 18 Village Resources Centre (VRCs) all over the state of Tamil Nadu. The research activity is progressive and proactive with 265 funded projects worth of around Rs.63.5 Crores, which has been sanctioned by various national organizations.

ABOUT CSIR-NATIONAL METALLURGICAL LABORATORY

National Metallurgical Laboratory (CSIR-NML) is a premier laboratory within the ambit of Council of Scientific and Industrial Research (CSIR), New Delhi, a statutory body under Government of India. CSIR National Metallurgical Laboratory Madras Centre (NML-MC) an extension Centre of CSIR NML, over the years has undertaken several R&D projects in the areas of mineral beneficiation, micro-structural characterization and failure analysis of various industrial components. The Centre has developed flow sheets for the beneficiation of ferrous and non-ferrous, industrial minerals which include limestone, feldspar, barites etc. In recent years, the Centre has made significant contributions to the development of column flotation technology for Indian mineral industry. Commercial flotation columns were commissioned for the beneficiation of sillimanite and barite. Over the years the centre has developed expertise and state-of-the-art facilities to carry out material characterization and metallurgical failure investigations for various engineering industries like power and automobile sector. The centre is actively working towards developing value added products from mineral/mine wastes and also provides services for characterization of tiles, paver blocks and natural building stones.

List of Advisory Committee

1. Dr. D. D. Sarma, Indian Institute of Science, Bangalore
2. Dr. Goutam De, Institute of Nano Science & Technology Habitat Centre, Mohali
3. Dr. P. K. Das, Indian Institute of Science, Bangalore
4. Dr. M. T. Karuppiah, Ministry of Environment, Forests & Climate Change, Delhi
5. Dr. S. Balasubramanian, Retd. Professor, University of Madras , Chennai
6. Dr. K. Ravichandran, University of Madras, Chennai
7. Dr. M.V. Shankar, Yogi Vemana University, Kadapa
8. Dr. A. K. Sahu, CSIR-CECRI, Chennai
9. Dr. M. Muthukumar, Central University of Kerala, Kasargod
10. Dr. K. Pandian, University of Madras, Chennai
11. Dr. B. S. Murty, IIT Hyderabad, Hyderabad
12. Dr. G. Bhaskar Raju, Retd. Chief Scientist, CSIR-NML Madras Centre
13. Dr. D. S. Rao, CSIR-IMMT, Bhuvanesar
14. Dr. S. Sundar Manoharan, Sathyabama Institute of Science and Technology, Chennai
15. Dr. T. Sasipraba, Sathyabama Institute of Science and Technology, Chennai
16. Dr. T. V. Vijaya kumar, CSIR-NML, Chennai
17. Dr. T. Narasimhaswamy, CSIR-CLRI, Chennai
18. Dr. M. Murugananthan, PSG Tech, Coimbatore
19. Dr. C. Sasikumar, MNIT, Bhopal
20. Dr. V. Jayathirtha Rao, CSIR-IICT, Hyderabad
21. Dr. J. Sreeramulu, SK University, Anantapur

Registration Fee Details:

Category	Till 05/11/2019	After 05/11/2019
PG Students	2000/-	3000/-
Research Scholars – JRF / SRF / RA / Project Assistants / Ph.D Students)	3000/-	4000/-
Faculty Members/Scientists/Post Doc.	3000/-	4000/-
Participants from Industry	4000/-	5000/-

Intimation to selected Participants: Selected participants will be intimated through E-mail or SMS. Mode of payment details will be given to selected participants only.

Accommodation: First come first serve basis and will be arranged at free of cost in the university hostels for participants.

Organizing Secretary

Dr. T. SASIPRABA
Pro-Vice Chancellor
Sathyabama Institute of Science and
Technology (Deemed to be University)
Chennai - 600 119

CONVENERS:

Dr. K. CHENNAKESAVULU
Associate Professor
Dept. of Chemistry, SIST
Ph: 09600187387
Email: wiim2020@sathyabama.ac.in
kck@sathyabama.ac.in

Mrs. N. VASUMATHI
Senior Scientist
CSIR-NML Madras Centre
Ph: 9144 22542077
wiimsist2020@gmail.com

Organizing Secretary

Dr. T. V. VIJAYA KUMAR
Scientist-In-Charge
CSIR-NML Madras Centre
CSIR Madras Complex
Chennai – 600 113

CO-CONVENERS:

Dr. G. RAMANJANEYA REDDY
Scientist
International Research Centre, SIST
Ph: 09994228166
Email: wiimsist@sathyabama.ac.in
grr@sathyabama.ac.in

Ms. AJITA KUMARI
Scientist
CSIR-NML Madras Centre
Ph: 9144 22542077
wiimsbu2020@gmail.com
Dr. J. KARTHIKEYAN
Associate Professor
Dept. of Chemistry, SIST

TENTATIVE SCHEDULE

PARTICIPANTS: THREE BATCHES

I BATCH – 1 TO 60 PARTICIPANTS

II BATCH - 60 TO 120 PARTICIPANTS

III BATCH – 121 TO 180 PARTICIPANTS

6 th JANUARY 2020	7 th JANUARY 2020	8 th JANUARY 2020	9 th JANUARY 2020	10 th JANUARY 2020
INAGURATION AT SATHYABAMA				
LECTURES COMMON FOR ALL THREE BATCHES I BATCH II BATCH III BATCH	I BATCH SCHEDULE: 9 A.M TO 5.00PM CSIR-NML MADRAS CENTRE	II BATCH SCHEDULE: 9 A.M TO 5.00PM CSIR-NML MADRAS CENTRE	III BATCH SCHEDULE: 9.00 TO 5.00 PM CSIR-NML MADRAS CENTRE	III BATCH SCHEDULE: 9 TO 3 LECTURES AT SATHYABAMA OR CSIR NML
SCHEDULE: 8 A.M TO 5.00PM	II BATCH SCHEDULE: LECTURES AND SATHYABAMA FACILITIES	I BATCH SCHEDULE: 9 A.M TO 5.00PM LECTURES AND SATHYABAMA FACILITIES		
	III BATCH SCHEDULE: 9.00 TO 5.00 PM LECTURES AND SATHYABAMA FACILITIES	III BATCH SCHEDULE: 10.00 TO 4.00 PM VISIT TO MAHABALIPURAM OR KANCHIPURAM		
		FEED BACK SECTION		
OVER ALL REQUIREMENT	1 BUS 8.00 TO 9.30 SATHYABAMA TO CSIR 1 BUS 5.00PM CSIR TO SATHYABAMA	1 BUS 8.00 TO 9.30 SATHYABAMA TO CSIR 1 BUS 4.00 PM CSIR TO SATHYABAMA	1 BUS 8.00 TO 9.30 SATHYABAMA TO CSIR 1 BUS 5.00 PM CSIR TO SATHYABAMA	1 BUS 8.00 TO 9.30 SATHYABAMA TO CSIR 1 BUS 5.00 PM CSIR TO SATHYABAMA
	1 BUS FULL FOR PARTICIPANT TO VISIT MAHABALIPURAM FROM 9.00 TO 5.00 PM			

PROGRAMME SCHEDULE - WIIM-2020

Venue: University Auditorium

6TH JANUARY 2020, MONDAY: REGISTRATION (08.00 A.M - 09.30 A.M)
Inaugural Function (9.30 A.M - 10.30 A.M) Chief Guest Addressing
(10.30 to 11.00 Photo session & Tea Break)
(11.00 A.M-12.00 A.M) Role PSD, Surface Area and Contact Angle in Surface Engineering Chief Guest's Invited Talk Dr. Goutam De, INST, Mohali, India
Invited talk (12.00 A.M to 1.00 P.M) D. K. SHARMA (MICROMERITICS) Managing Director, Kunash Instruments Pvt. Ltd. Mumbai
Lunch (1.00PM to 2.00PM)
Invited talk (02.00 to 3.00 P.M) Dr. S. Sundar Manoharan Vice-Chancellor Sathyabama Institute of Science and Technology (Deemed to be University) Chennai.
(3.00 P.M to 4.00 P.M) Invited Lecture Dr. Y. Jaya Prakash Rao Osmania University
Invited talk (4.00 P.M to 5.00 P.M) Introduction Facilities Available at CSIR-NML and SIST, Chennai Dr. T. V. Vijaya Kumar Dr. K. Chennakesavulu
Break (5.00 to 5.30 P.M.)
PARTICIPANT INTERACTION & DISCUSSION 5.30 to 7.00 PM

7TH JANUARY 2020, TUESDAY Invited talk (09.00 A.M - 10.00 A.M) Demo on Particle Size, Pycnometer by Dr. Ranjeeth Singh Kunash Instruments Pvt. Ltd
10.00 A.M to 10.15 A.M. (Tea Break) 10.15 to 11.15 AM Invited talk on Microscopy – Instrumentation – Interpretation of Results Dr. D. S. Rao, Senior Scientist, CSIR-IMMT, Bhuvaneswar
11.15 to 12.00 AM Lecture on XRF
(12.00 AM to 1.00 P.M) Invited talk Dr. Khurana Orbit Research Pvt. Ltd, New Delhi
(Lunch 1.00PM to 2.00 PM)
Invited talk (2.00 P.M to 3.00 P.M) Dr. Y. Jaya Prakash Rao Osmania University
Invited talk (3.00 P.M to 4.00 P.M) UV-VIS, FTIR & FESEM Demo Dr. D. S. Rao, CSIR-IMMT & Dr. Y. Jaya Prakash Rao, Osmania University
Invited talk (04.00 to 5.00 P.M) Lecture on Thermo kinetics and its application by Dr. Sasikumar, MNIT, Bhopal
PARTICIPANT INTERACTION & DISCUSSION 5.30 to 7.00 PM

8TH JANUARY 2020, WEDNES DAY Invited talk (09.00 A.M – 10.00 A.M) Dr. G. Bhaskar Raju Lecture on Zetapotential measurements and it's application
10.15 to 11.15AM Microscopy – Instrumentation – Interpretation of Results Dr. D. S. Rao, Senior Scientist, CSIR-IMMT, Bhubaneswar
Session –IX (11.15 to 12.00 P.M) Lecture on XRF
(11.15 AM to 12.15 P.M) Session-XI Contact Angle, Surface Tension, Surface Energy By Dr. C. Sasikumar
(Lunch 1.00PM to 2.00 PM) LUNCH BREAK
Session –IV (2.00 P.M to 3.00 P.M) Dr. Y. Jaya Prakash Rao Osmania University
Session –IV (3.00 P.M to 5.00 P.M) UV-VIS, FTIR & FESEM Demo Dr. D. S. Rao, CSIR-IMMT & Dr. Y. Jaya Prakash Rao, Osmania University

10 TH JANUARY 2020, FRIDAY Session -X (09.00 A.M – 10.00 A.M) Dr. G. Bhaskar Raju Lecture on Zetapotential measurements and it's application
10.00 A.M to 10.15 A.M. (Tea Break) 10.15 to 11.15 AM Dr. M. Muthukumar, Central University of Kerala, Kerala.
11.15 AM to 12.00 A.M. Dr. J. Sreeramulu, S.K. D. UNIV. Anantapur
Session –XIII (1.00 P.M to 2.00 P.M) Invited Lecture –XIII FEED BACK Session And Valedictory Function
(Lunch 12.00PM to 1.00 PM) LUNCH BREAK

Course outcome:

On successful completion of the course the student will be able to

- **Interpret the surface morphology of the sample.**
- **Assess the temperature kinetics for the molecule.**
- **Understand the porosity of the samples.**



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
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Workshop on Interpretation of Instrumental Methods (WIIM2020)

Jan 6th -10th 2020

Attendance Sheet

Name of the Student	Register number	06/1	07/1	08/1	09/1	10/1
CASSANDRA AUSTEN. I	3791001	P	P	P	P	P
GAYATHRI. R	3791002	P	P	P	P	P
NANTHINI. S	3791004	P	P	P	P	P

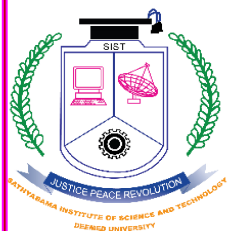
K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, WIIM 2020

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

HEAD OF THE DEPARTMENT
DEPARTMENT OF CHEMISTRY
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jepiaar Nagar, Rajiv Gandhi Salai
Chennai - 600 119



SATHYABAMA

Institute of Science and Technology
(Deemed to be University)
JEPPIAR NAGAR, RAJIV GANDHI SALAI
CHENNAI - 600119

DEPARTMENT OF CHEMISTRY

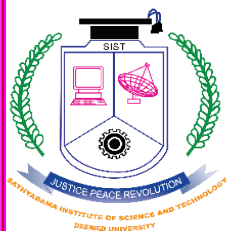
This is to certify that Dr. / Mr. /Ms., **CASSANDRA AUSTEN I Reg.no. 3791001**, Dept of chemistry, Sathyabama Institute of Science and Technology has participated in the five day workshop and successfully completed the 30 hour Value added course on “Interpretation of Instrumental Methods” organized by the Department of Chemistry, Sathyabama Institute of Science and Technology from 6th Jan 2020 to 10th Jan 2020.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, WIIM 2020



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CHENNAI - 600119

DEPARTMENT OF CHEMISTRY

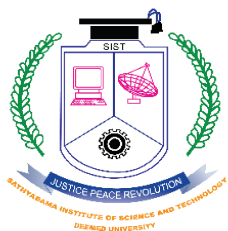
This is to certify that Dr. / Mr. /Ms., **GAYATHRI R Reg.no. 3791002,**
Dept of chemistry, Sathyabama Institute of Science and
Technology has participated in the five day workshop and
successfully completed the 30 hour Value added course on
“Interpretation of Instrumental Methods” organized by the
Department of Chemistry, Sathyabama Institute of Science and
Technology from 6th Jan 2020 to 10th Jan 2020.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, WIIM 2020



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CHENNAI - 600119

DEPARTMENT OF CHEMISTRY

This is to certify that Dr. / Mr. /Ms., **NANTHINI Reg.no. 3791004**,
Dept of chemistry, Sathyabama Institute of Science and Technology has participated in the five day workshop and successfully completed the 30 hour Value added course on “Interpretation of Instrumental Methods” organized by the Department of Chemistry, Sathyabama Institute of Science and Technology from 6th Jan 2020 to 10th Jan 2020.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, WIIM 2020