



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends in Mechanical Engineering

06th September to 25th September 2021

Course Contents:

- ❖ Green Manufacturing / Lean Manufacturing
- ❖ Additive Manufacturing /Reverse Engg.
- ❖ CAD/CAM/CIM
- ❖ Modeling, Analysis, and Simulation
- ❖ Optimization Techniques
- ❖ Internet of Things (IoT)/ Industry 4.0

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

CHIEF PATRONS

Dr.Mariazeena Johnson
Chancellor

Dr.Marie Johnson
President

PATRON

Dr.T.Sasipraba
Vice Chancellor

Dr.S.Prakash
Dean, Mechanical

Dr.G.Arunkumar
HOD, Mechanical

For more details and Registrations Contact:

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

VALUE ADDED COURSE ON RECENT TRENDS IN MECHANICAL ENGINEERING

COURSE OUTCOMES:

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

- To provide basic and advances in Mechanical Engineering and Informatics, applicable in practical life.
- To outline recent developments in industrial engineering and management and their scopes.
- To contribute to the creation, transmission and application of knowledge.
- To do research and publications of international standard in inter-disciplinary areas/entities.

COURSE CONTENTS

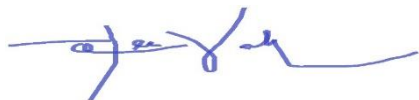
Module	Topics	Name of the Faculty	No of Sessions	Venue
1	Recent trends in Mechanical Engineering	Mr.J.Jeyajeevahan	2hrs	Online
2	Advance in Thermal Engineering	Mr.J.Jeyajeevahan	2hrs	Online
3	Advance in Design Engineering	Mr.J.Jeyajeevahan	2hrs	Online
4	Advanced Manufacturing Technologies	Mr.J.Jeyajeevahan	2hrs	Online
5	Green Manufacturing / Lean Manufacturing	Mr.J.Jeyajeevahan	2hrs	Online
6	Additive Manufacturing /Reverse Engg.	Mr.J.Jeyajeevahan	2hrs	Online
7	CAD/CAM/CIM	Mr.J.Jeyajeevahan	2hrs	Online

8	Modeling, Analysis, and Simulation	Mr.J.Jeyajeevahan	2hrs	Online
9	Optimization Techniques	Mr.J.Jeyajeevahan	2hrs	Online
10	Internet of Things (IoT)/ Industry 4.0	Mr.J.Jeyajeevahan	2hrs	Online
11	Soft Computing and Artificial Intelligence	Mr.J.Jeyajeevahan	4hrs	Online
12	Enterprise Resource Planning	Mr.J.Jeyajeevahan	2hrs	Online
13	Management Information System	Mr.J.Jeyajeevahan	2hrs	Online
14	Industrial Engg. and Management	Mr.J.Jeyajeevahan	2hrs	Online

Course Coordinator

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

36.	39150073	LOGESH. P. G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37.	39150074	LOKESH. T	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
38.	39150075	MADDI ANAND REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39.	39150081	MARIA CLEMENT HARRISON. S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40.	39150082	MARIYA CLEMENT SAVIO. M	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
41.	39150083	MATTA GIRIJA RAM PRASANTH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
42.	39150084	MD SAMEER KHAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43.	39150085	MOHAMED ISMAIL. R	P	P	P	A	P	P	P	P	P	P	P	P	P	P	P
44.	39150086	MUDUNDI GUNA SAKETHA RAM VARMA	P	A	P	P	P	P	P	P	P	P	P	P	A	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.)



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. AANSTON ANTONY of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. ABIJEETH. X of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. AHINO SHELLY. P of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. ALLAM PUJITH SAI ESWAR of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. AMBATI CHIRANJEEVI of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. ANANTH. M of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. ARAVINDH. G of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. ARISH. A of **3rd** Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. AROKIYA SAMI. Y of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. ARSHEK FARVAIZ. H of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. BALAJE. S. M of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. BALAJI. B of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. BALAJI. C. P of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. BARATH. C of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. DHARUN. K of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. DILIPKUMAR. S of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. DINESH. R of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. DINESH. S of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. GOVINDALAPUDI SRI SOMANAATH of **3rd** Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. HARIHARAN. R of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. HARIS. P of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. HARSON. T of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. ISA SHIVA PRASAD of 3rd Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. LOKESH. T of **3rd** Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes Training Program on

Recent Trends In Mechanical Engineering

06th September to 25th September 2021

PARTICIPATION CERTIFICATE

This is to certify that Mr. **MADDI ANAND REDDY** of **3rd** Year

MECHANICAL has attended the 3 Week Training Program on **Recent Trends In Mechanical Engineering** organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 06th September to 25th September 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Organizes a 3 Week Hands on Training Program
on

CFD for Mechanical Engineers

8th to 27th November 2021

Course Modules:

- » Basics of partial differential equations (PDEs) in fluid dynamics,
- » Boundary value problems ; elliptic PDEs
- » Boundary value problem
- » Well-posed problems
- » Spatial discretization methods
- » Staggered Grid Arrangement of Variables

Open to all students of School of Mechanical Engineering

(Registrations will be based on First come First Serve Basis)

For more details and Registration Contact:

CHIEF PATRONS

Dr.Mariazeena Johnson
Chancellor

Dr.Marie Johnson
President

PATRON

Dr.T.Sasipraba
Vice Chancellor

Dr.S.Prakash
Dean, Mechanical

Dr.G.Arunkumar
HOD, Mechanical

CONVENERS

Dr.G.Senthilkumar,
Associate Professor,
Department of Mechanical Engineering

CFD FOR MECHANICAL ENGINEERS

COURSE OUTCOMES

Upon successful completion of the course, the participants will be able to

- Solve Fluid flow and Energy related problems using different numerical schemes
- Differentiate the differential and integral form of governing equations of fluid flow
- Model, Discretize and solve the different flow problems with CFD

COURSE CONTENTS

Module	Topics	Name of the Faculty	No of Sessions	Venue
1	Fluid flow problem to post-processing of its numerical solution.	Dr.G.Senthil Kumar	2hrs	Online
2	Sources of error, Examples of CFD applications.	Dr.G.Senthil Kumar	2hrs	Online
3	Basics of partial differential equations (PDEs) in fluid dynamics	Dr.G.Senthil Kumar	2hrs	Online
4	Initial value problems: hyperbolic and parabolic PDEs.	Dr.G.Senthil Kumar	2hrs	Online
5	Boundary value problems: elliptic PDEs	Dr.G.Senthil Kumar	2hrs	Online
6	Boundary conditions with case stud	Dr.G.Senthil Kumar	2hrs	Online
7	Well-posed problems	Dr.G.Senthil Kumar	2hrs	Online

8	Spatial discretization methods	Dr.G.Senthil Kumar	2hrs	Online
9	Staggered Grid Arrangement of Variables	Dr.G.Senthil Kumar	2hrs	Online
10	The SIMPLE Procedure for Pressure-Velocity Coupling	Dr.G.Senthil Kumar	2hrs	Online
11	Continuity equation in conservative form	Dr.G.Senthil Kumar	2hrs	Online
12	The Navier-Stokes Equations	Dr.G.Senthil Kumar	2hrs	Online
13	Energy equation in conservative form	Dr.G.Senthil Kumar	2hrs	Online
14	Case study Problems	Dr.G.Senthil Kumar	4hrs	Online

Course Coordinator

Dr.G.Senthil Kumar
Associate Professor
Department of Mechanical Engineering
Mob: 91769 01505

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY**DEPARTMENT OF MECHANICAL; ENGINEERING**

CHENNAI – 600119.

ATTENDANCE SHEET

S.No.	Register No.	Name of the Student	08-11-2021	09-11-2021	10-11-2021	11-11-2021	12-11-2021	16-11-2021	17-11-2021	18-11-2021	19-11-2021	22-11-2021	23-11-2021	24-11-2021	25-11-2021	26-11-2021	27-11-2021
1.	38150004	ADITHYA. H	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2.	38150005	ADVAITH. R	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
3.	38150006	AJAI NATH. R. E	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
4.	38150007	AJAY SUNIL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5.	38150018	BALARAJU MUDRAGADA	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P
6.	38150019	BASWA JEEVAN KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7.	38150023	CHUNDRU TARUN TEJA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8.	38150024	CYRIL PRAVEENRAJ. J	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9.	38150025	CYRUS MATHEW FRANK	P	P	P	P	P	A	P	P	P	P	P	P	P	P	P
10.	38150026	DUDEKULA MADAR BASHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11.	38150028	ELAVARTHI ROMEETH	P	P	P	P	P	P	P	A	P	P	P	P	P	P	P
12.	38150029	GANESH. A	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
13.	38150032	GOGUL ABISHAK. R. S	P	P	P	P	P	P	P	P	P	A	P	P	P	P	P
14.	38150033	GOPINATH. S	P	P	P	A	P	P	A	P	P	P	P	P	P	P	P

35.	38150073	NITHISH. S	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
36.	38150074	PAGIDI GURU SAI SIMHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37.	38150123	VELKUMAR. M	P	P	P	P	A	P	P	P	P	P	A	P	P	P	P
38.	38150124	VENKATESH. T	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
39.	38150125	VINITH. K	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	38150127	YALAMARTHI P VENKATA SURYA PAVAN KUMAR	P	A	P	P	P	P	P	A	A	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.)



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. ADITHYA. H** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. ADVAITH. R** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. AJAI NATH. R. E** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. AJAY SUNIL** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. CHUNDRU TARUN TEJA** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. CYRIL PRAVEENRAJ. J** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. CYRUS MATHEW FRANK** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. GANESH. A** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. GOGUL ABISHAK. R. S** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. GOPINATH. S** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. HARIKRISHNAN. M** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. HARIVIGNESH. S** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. HRITHIK. M** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. IDRIS KHAN. M** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr.** IMANDI B V V L S BASANTH KUMAR of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr.** IMMANUVEL GODWIN. D of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. KADARI MAHINDRA** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. KAMESH. G** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. KIRAN KUMAR. A** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. KUMARA RAJA. A** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. KUMARAN. R** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes a 3 week Hands on Training Program on
CFD for Mechanical Engineers

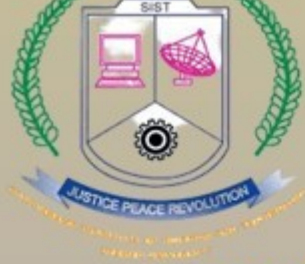
08th November to 27th November 2021

PARTICIPATION CERTIFICATE

This is to certify that **Mr. NAVEEN. R** of **3rd Year Mechanical**
has attended the 3 Week Hands on Training Program on **CFD for Mechanical Engineers**
organized by the Department of Mechanical Engineering, Sathyabama Institute of
Science and Technology, Chennai, from 08th November to 27th November 2021.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING



Organizes Training Program on

Organizes 3 Week Hands on Practice on

CNC Programming

7th February to 26th February 2022

Complete coverage of following Topics including Hands on Training:

- Milling machine Axis system Practice, Basic codes of Milling
- Milling Program Format, Face milling operation
- End milling use, Name writing on plate
- Tool compensation use, Contouring, Pocketing
- Drilling Operation, Tapping operation, Polar modes

OPEN TO ALL STUDENTS OF SCHOOL OF MECHANICAL ENGINEERING

For more details and Registrations Contact:

CONVENERS

CHIEF PATRONS

Dr. Mariazeena Johnson
Chancellor

Dr. Marie Johnson
President

PATRON

Dr. T. Sasipraba
Vice Chancellor

Dr. S. Prakash
Dean, Mechanical

Dr. G. Arunkumar
HOD, Mechanical

Mr. V. Sriram

Mr. R. Siva

Assistant Professor

Department of Mechanical Engineering

Mob: 99445 32627

Mob: 99446 66660

3-WEEKS VIRTUAL HANDS ON TRAINING PROGRAMME ON CNC PROGRAMMING

COURSE OUTCOMES:

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

- Explain applications and advantages of CNC machines and technology
- Demonstrate and explain various CNC control Calculate technological data for CNC machining
- Understand line program for various profiles Identify and set parameters for various simulators
- Prepare programs , demonstrate , simulate and operate CNC lathe machines for various machining operations
- Prepare programs , demonstrate , simulate and operate CNC milling machines for various machining operations
- Explain Modern CNC systems and explain its importance in manufacturing

COURSE CONTENTS

Module	Topics	Name of the Faculty	No of Sessions	Venue
1	Introduction to the program, History of CNC Machining	Mr.V.Sriram	2hrs	Online
2	Basic tools, Types of milling tool	Mr.V.Sriram	2hrs	Online
3	Basic of hard keys and soft keys, Basic of using software	Mr.V.Sriram	2hrs	Online
4	Milling machine Axis system Practice, Basic codes of Milling	Mr.V.Sriram	2hrs	Online
5	Milling Program Format,Face milling operation	Mr.V.Sriram	2hrs	Online
6	End milling use, Name writing on plate	Mr.V.Sriram	2hrs	Online
7	Tool compensation use,Contouring,Pocketing	Mr.V.Sriram	2hrs	Online

8	Drilling Operation,Tapping operation,Polar modes	Mr.V.Sriram	2hrs	Online
9	Introduction to turning process,Types of tools and inserts	Mr.V.Sriram	2hrs	Online
10	Lathe machine Axis system and practice, Codes of turning	Mr.V.Sriram	2hrs	Online
11	Turning Program format,Facing Operation,Rough turning	Mr.V.Sriram	2hrs	Online
12	Grooving operation,Drilling cycle,Tapping cycle	Mr.V.Sriram	2hrs	Online
13	Internal threading,External threading,Boring operation	Mr.V.Sriram	2hrs	Online
14	Case Study Based Project	Mr.V.Sriram	4hrs	Online

Course Coordinator

Mr.V.Sriram

Assistant Professor

Department of Mechanical Engineering

Mob: 91769 01505

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY**DEPARTMENT OF MECHANICAL; ENGINEERING**

CHENNAI – 600119.

ATTENDANCE SHEET

S.No.	Register No.	Name of the Student	07-02-2022	08-02-2022	09-02-2022	10-02-2022	11-02-2022	14-02-2022	15-02-2022	16-02-2022	17-02-2022	21-02-2022	22-02-2022	23-02-2022	24-02-2022	25-02-2022	26-02-2022
1.	39150001	AANSTON ANTONY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2.	39150002	ABIJEETH. X	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
3.	39150003	AHINO SHELLY. P	P	P	P	P	A	P	P	P	P	P	P	P	P	P	P
4.	39150010	ARSHEK FARVAIZ. H	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5.	39150011	ASHWIN. S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6.	39150012	AYUSH KUMAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7.	39150013	BADAM NANDA KISHORE REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8.	39150030	DEVA DHARSHAN. G	P	P	P	P	A	P	A	P	P	P	P	P	P	P	P
9.	39150031	DHANIKONDA. V. SHANMUKA SAI ASHOK VARDHAN	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
10.	39150032	DHARUN. K	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
11.	39150033	DHATSIONA. R	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12.	39150034	DILIPKUMAR. S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13.	39150035	DINESH. R	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
14.	39150049	JALADANI VEERA TEJA	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P

15.	39150050	JANARTHANAN. S	P	P	P	A	P	P	P	P	P	P	P	A	P	P	P
16.	39150051	JAYAKUMARAN. R	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P
17.	39150052	JAYASEELAN. E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18.	39150053	JEFFI SHARINE. C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19.	39150054	JEFFIN SAM DAVID. J	P	P	P	P	P	P	P	P	P	P	P	P	A	P	P
20.	39150055	JEMILSON. J	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
21.	39150070	LAKKA BHUVANESWAR REDDY	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
22.	39150071	LAKSHMANA VIJAYAN. M	P	P	P	P	P	P	A	P	P	P	P	P	P	P	P
23.	39150072	LAWRENCE. G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24.	39150073	LOGESH. P. G	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25.	39150074	LOKESH. T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26.	39150075	MADDI ANAND REDDY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27.	39150076	MADEPALLI AVINASH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28.	39150077	MADHAN KUMAR. A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29.	39150082	MARIYA CLEMENT SAVIO. M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30.	39150093	NIKET KUMAR SINGH	P	P	A	P	P	P	P	P	P	P	P	P	P	P	P
31.	39150094	NUKALA SRI CHARAN	P	A	P	P	P	P	P	P	P	P	P	P	P	P	P
32.	39150111	ROHITH. I	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33.	39150112	SABBHARISHI. V	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34.	39150113	SAHAS. S	P	P	P	P	P	P	P	P	P	P	P	A	P	P	P

35.	39150114	SAI RAM MOVVA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36.	39150115	SANCHIT KUMAR. T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37.	39150116	SANTHOSH. A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38.	39150117	SARATH KUMAR. G.S	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39.	39150132	VETRIVELAN. S	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40.	39150133	VINITH KANNAN. L	P	P	P	P	P	A	P	P	P	P	P	P	P	P	A
41.	39150704	MANOJ. B	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A
42.	39150705	KASI RAMAN. R	P	P	P	P	P	A	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.)



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

**This is to certify that Mr. AANSTON ANTONY of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.**

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. ABIJEETH. X of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. AHINO SHELLY. P of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. ARSHEK FARVAIZ. H of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. ASHWIN. S of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. AYUSH KUMAR of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. BADAM NANDA KISHORE REDDY of 4th Year Mechanical has attended the 3 Week Hands on Practice on CNC Programming organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. DEVA DHARSHAN. G of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. DHANIKONDA. V. SHANMUKA SAI ASHOK VARDHAN of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. DHARUN. K of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. DHATSIONA. R of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. DILIPKUMAR. S of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. DINESH. R of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. JALADANI VEERA TEJA of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. JANARTHANAN. S of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. JAYAKUMARAN. R of 4th Year Mechanical has attended the 3 Week Hands on Practice on CNC Programming organized by the Department of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. JAYASEELAN. E of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. JEFFI SHARINE. C of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. JEFFIN SAM DAVID. J of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. **JEMILSON. J** of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. LAWRENCE. G of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

SCHOOL OF MECHANICAL ENGINEERING
DEPARTMENT OF MECHANICAL ENGINEERING

Organizes 3 week hands on practice on

CNC Programming

7th February to 26th February 2022

PARTICIPATION CERTIFICATE

This is to certify that Mr. LOGESH. P. G of
4th Year Mechanical has attended the 3 Week Hands on Practice on
CNC Programming organized by the Department of
Mechanical Engineering, Sathyabama Institute of Science and
Technology, Chennai from 7th February to 26th February 2022.

Dr.G.ARUNKUMAR
HOD MECHANICAL

Dr.S.PRAKASH
DEAN MECHANICAL



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

Pleasantly invites you for the

WORKSHOP ON PARTICLE CHARACTERISATION TECHNIQUES (PCT-2022)

(Particle Size Distribution, BET Surface Area, XRF, FT Raman, FE-SEM, HR-TEM,
Zeta Potential & Contact Angle Measurements)

to be held from 30th May to 06th June, 2022.

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.

The Course Modules

Module 1: Introduction to Instrumental Methods

Module 2: Usage of Web of Science

Module 3: Representation of Results

Module 4: Solid - Liquid Interface

Module 5: Particle Characterization Techniques

Module 6: Microscopy and its applications

Module 7: Spectroscopy and its applications

Course Duration: 40 hours

IMPORTANT DATES:

Last Date for Registration: 15th, May, 2022

Work shop duration: 30th May - 06th June, 2022

Registration

The participants who are interested to join in Physical mode please contact conveners and get the prior official approval to attend the workshop. If you are willing to join in blended mode please proceed for registration without any prior approval.

Registration Fee Details:

UG & PG Students (With Valid institute ID): 1500/-

Research Scholars (JRF/SRF/Project Associate): 2000/-

Project Assistants/ PhD Students: 2000/-

Faculty Members/Scientists: 2500/-

Participants from industry: 3000/-

Registration Form Link:

<https://forms.gle/euEyhsB48yRd5q7D6>

Event Web Site

<https://sites.google.com/view/pct2022/home>

Mode of Payment:

Participants can make the above prescribed amount (Non - Refundable) through NEFT/IMPS/Other mode using the following bank account details:

Bank Name: Indian Bank,

Branch : Thousand Lights Branch, Chennai-600 006, India

Account Name: "Dean (Publications & Conferences)

Sathyabama Institute of Science and Technology"

Account Number: 891734627

IFSC Code: IDIB000T020

Branch Code: 098

ORGANIZING SECRETARY

Dr.T. Sasipraba

Vice Chancellor,

Sathyabama Institute of Science and Technology

(Deemed to be University).

Jeppiaar Nagar, Rajiv Gandhi Salai,

Chennai - 600 119, Tamilnadu, INDIA

Dr. T. V. Vijaya Kumar

Scientist In-Charge

CSIR-NML Madras Centre

CSIR Madras Complex

Taramani, Chennai – 600 113.

Contact:

Conveners:

Dr. K. Chennakesavulu (Associate Professor, M: 09600187387)

Mrs. N. Vasumathi (Principal Scientist)

Dr. G. Ramanjaneya Reddy (Scientist, M: 09994228166)

Co-Conveners:

Mrs. Ajita Kumari (Scientist)

Dr. J. Karthikeyan (Associate Professor)

Dr. Y. Sasikumar (Assistant Professor, M : 09840271468)

Contact E-Mail:

wopct2022@gmail.com;

chennakesavulureddy.chemistry@sathyabama.ac.in;

anjireddygonu@gmail.com

sasikumar.chemistry@sathyabama.ac.in



WORKSHOP ON PARTICLE CHARACTERISATION TECHNIQUES (PCT-2022)

(Particle Size Distribution, BET Surface Area, XRF, FT Raman,
NMR, FE-SEM, HR-TEM, Zeta Potential & Contact Angle Measurements)

to be held from 30th May to 06th June, 2022



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.

IMPORTANT INSTRUCTIONS TO THE PARTICIPANTS

Course outcome:

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

- Understand the basics of instrumentation.
- Interpret the structure from the NMR data.
- Predict the porosity of the solid samples.

1. My E-Class Registration is mandatory for every participant.
2. In My E-Class module wise recorded demo video versions of all the techniques will be provided.
3. The session wise zoom link will be provided to the participants in My E- Class platform.
4. The Tentative Schedule was given below for your reference
5. The state wise list of confirmed participants was given below for your reference
6. If any discrepancies and clarifications, please contact conveners over Phone/E-mail.



WORKSHOP ON PARTICLE CHARACTERISATION TECHNIQUES (PCT-2022)

(Particle Size Distribution, BET Surface Area, XRF, FT Raman,
NMR, FE-SEM, HR-TEM, Zeta Potential & Contact Angle Measurements)
to be held from 30th May to 06th June, 2022



THE TENTATIVE SCHEDULE FOR PCT - 2022

Date	Session	Name of the speaker	Topic
30-05-2022	09.00 to 10.00	INAUGURATION	
	10.00 to 11.00	Himansu Tyagi, GAD TLC, Gujarath	Registration Process for My E-Class
	11.00 to 13.00	Dr Goutam De, Emeritus Scientist (S. N. Bose National Centre for Basic Sciences, Kalcutta)	Inaugural Lecture
	03.00 to 05.00	Dr K Chennakesavulu, Associate Professor (Sathyabama)	Introduction to Instrumental Methods
31-05-2022	10.00 to 11.00	Dr. Ajithkumar, Asistant Professor (Sathyabama)	Introduction to Raman Spectroscopy and it's applications
	11.00 to 13.00	Dr G Narasimhaswamy, Retd. Scientist, CLRI	Solid State NMR of Materials
	03.00 to 04.00	Dr. G. Bhaskar Raju, Retd. Scientist CSIR-NML MC	Solid/Liquid Interface
	04.00 to 04.45	Mrs. Subha Sree Nag from Clarivatics & Abhijeeth Dervent Innovation	Usage of Web of Science - Clarivatic Analysis
01-06-2022	10.00 to 13.00	Dr. Anilkumar & Dr. Chandrashekhar N (Bruker Academy)	Basics of NMR & Demo of NMR equipment
	03.00 to 04.00	Dr. D K Sharma, MD Kunas Instruments	Particle Size Analysis
	04.00 to 05.00	Dr. Subhamjith Hazra, Scientist (Sathyabama)	Fluorescence Spectroscopy



WORKSHOP ON PARTICLE CHARACTERISATION TECHNIQUES (PCT-2022)

(Particle Size Distribution, BET Surface Area, XRF, FT Raman,
NMR, FE-SEM, HR-TEM, Zeta Potential & Contact Angle Measurements)

to be held from 30th May to 06th June, 2022



02-06-2022	10.00 to 14.00	Mr. G. Mallikarjuna Swamy, Manager (Verder Scientific)	PSD and BET Surface Area & LIVE DEMO
	03.30 to 05.00	Dr. Daniel Alouis, Manager (Carl Ziess)	FESEM Demo and Interpretation
03-06-2022	10.00 to 13.00	Dr. Ajita Kumari, Scientist (CSIR-NML MC)	BET Surface area Analysis & LIVE DEMO
	03.00 to 05.30	Dr Y Jaya Prakash Rao, Professor (Osmania University, Hyderabad)	Introduction to FTIR Spectroscopy & LIVE DEMO
04-06-2022	10.00 to 11.00	Dr. Sasikumar C, Associate Professor (MNIT, Bhopal)	XRD & XRF
	11.00 to 13.30	Dr. Krishna Kumar, Technical Officer (VELS University)	FESEM - Representation of Results and Interpretation
	03.00 to 05.30	Dr. Y Jaya Prakash Rao, Professor (Osmania University, Hyderabad)	Introduction to NMR Spectroscopy
06-06-2022	10.00 to 11.30	Dr. Sai Malldi, Head HR-TEM (IIT Hyderabad)	HRTEM
	11.30 to 12.00	Dr. K Chennakesavulu, Associate Professor (Sathyabama)	Calculation of Free Energy of Adsorption for Solid/Liquid Interface
	03.00 to 04.00	Dr. Bhaskar, Scientific Officer (IIT Madras)	Applications of NMR
	04.00 to 05.00	Validictory Session	

Conveners:

Dr. K. Chennakesavulu (Associate Professor, M: 09600187387) Mrs. N. Vasumathi (Principal Scientist)
Dr. G. Ramanjaneya Reddy (Scientist, M: 09994228166)

Co-Conveners:

Mrs. Ajita Kumari (Scientist)
Dr. J. Karthikeyan (Associate Professor)
Dr. Y. Sasikumar (Assistant Professor, M : 09840271468)

Contact E-Mail:

wopct2022@gmail.com; chennakesavulureddy.chemistry@sathyabama.ac.in



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

Particle Characterization Technique -(PCT2022)

May 30th -6th June 2022

Attendance Sheet

Name of the Student	Register number	30/5	01/6	02/6	03/6	04/6	06/6
AARTHI INFANT MARY F	41910001	P	P	P	P	P	p
APARAJITHA N C	41910002	P	P	P	P	P	p
ARUL BLESSON A	41910003	P	P	P	P	P	p
ASHWINI R	41910004	P	P	P	P	P	p
DHAKSHNAMOORTHY B	41910005	P	P	P	P	P	p
DURGA PARAMESHWARI S	41910006	P	P	P	P	P	p
GAYATHRI A	41910007	P	P	P	P	P	p
GOKULAKANNAN B	41910008	P	P	P	P	P	p
INFANT VISHWA M B	41910009	P	P	P	P	P	p
ISWARYA S	41910010	P	P	P	P	P	p
JAYAPRAKASH S	41910011	P	P	P	P	P	p
LOGESH A	41910012	P	P	P	P	P	p
MONISHA G	41910013	P	P	P	P	P	p
MOULI RAJ S	41910014	P	P	P	P	P	p
SANDHIYA V	41910015	P	P	P	P	P	p
SANTHOSH S	41910016	P	P	P	P	P	p
SANTHOSH KUMAR N	41910017	P	P	P	P	P	p
SHIV SHANKAR S	41910018	P	P	P	P	P	p
SHIVA A	41910019	P	P	P	P	P	p
SUCHITRA V	41910020	P	P	P	P	P	p
THIRUMALAI T	41910021	P	P	P	P	P	p

K. Chennakesavulu

Dr.K.Chennakesavulu,
Convener, PCT-2022

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)
Jepipaar 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

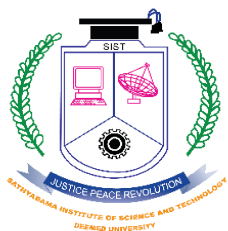
This is to certify that Dr. / Mr. /Ms. **AARTHI INFANT MARY F**,
**Reg.no. 41910001, Dept of chemistry, Sathyabama Institute of
Science and Technology** has participated in the six day workshop
and successfully completed the 30 hour Value added course on
“Particle Characterization Technique” organized by the
Department of Chemistry, Sathyabama Institute of Science and
Technology from 30th May 2022 to 6th June 2022.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, PCT 2022



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. **APARAJITHA N C**, Reg.no. **41910002**, Dept of chemistry, Sathyabama Institute of Science and Technology has participated in the six day workshop and successfully completed the 30 hour Value added course on "Particle Characterization Technique" organized by the Department of Chemistry, Sathyabama Institute of Science and Technology from 30th May 2022 to 6th June 2022.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, PCT 2022



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. **DHAKSHNAMOORTHY B**,
**Reg.no. 41910005, Dept of chemistry, Sathyabama Institute of
Science and Technology** has participated in the six day workshop
and successfully completed the 30 hour Value added course on
“Particle Characterization Technique” organized by the Department
of Chemistry, Sathyabama Institute of Science and Technology from
30th May 2022 to 6th June 2022.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, PCT 2022



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. **MONISHA G**, Reg.no. **41910013**, Dept of chemistry, Sathyabama Institute of Science and Technology has participated in the six day workshop and successfully completed the 30 hour Value added course on "Particle Characterization Technique" organized by the Department of Chemistry, Sathyabama Institute of Science and Technology from 30th May 2022 to 6th June 2022.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, PCT 2022



SATHYABAMA

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

DEPARTMENT OF CHEMISTRY

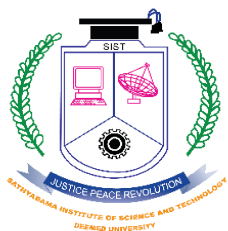
This is to certify that Dr. / Mr. /Ms. **SANTHOSH S**, Reg.no. **41910016**, Dept of chemistry, Sathyabama Institute of Science and Technology has participated in the six day workshop and successfully completed the 30 hour Value added course on "Particle Characterization Technique" organized by the Department of Chemistry, Sathyabama Institute of Science and Technology from 30th May 2022 to 6th June 2022.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, PCT 2022



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. **THIRUMALAI T**, Reg.no. **41910021**, Dept of chemistry, Sathyabama Institute of Science and Technology has participated in the six day workshop and successfully completed the 30 hour Value added course on "Particle Characterization Technique" organized by the Department of Chemistry, Sathyabama Institute of Science and Technology from 30th May 2022 to 6th June 2022.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, PCT 2022



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. **WILLIAM JOSEPH M P**, Reg.no. **41910022**, Dept of chemistry, Sathyabama Institute of Science and Technology has participated in the six day workshop and successfully completed the 30 hour Value added course on "Particle Characterization Technique" organized by the Department of Chemistry, Sathyabama Institute of Science and Technology from 30th May 2022 to 6th June 2022.

J. Karthikeyan

Dr. J. Karthikeyan
Head, Department of Chemistry

K. Chennakesavulu

Dr.K.Chennakesavulu
Convener, PCT 2022



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in



SCHOOL OF SCIENCE AND HUMANITIES
DEPARTMENT OF ENGLISH
ORGANISES
A CERTIFICATE COURSE
on
MECHANICS OF RESEARCH
(30-Hour Programme)

6th June - 15th July 2022
(2:15 - 3:15 pm)

ABOUT THE INSTITUTION

Sathyabama Institute of Science and Technology (A Christian Minority Institution) formerly known as Sathyabama Engineering College was established in 1987 by Dr. Jeppiaar. It is a premier institute imparting knowledge in the areas of engineering, science, technology and education. The institution's progress and contribution to the field of technical education for over two decades resulted in granting Deemed University status on 16th July, 2001. The University has been awarded as Category "A" University by Ministry of Human Resources Development (MHRD), Government of India and accredited by NAAC with Grade "A" in the year 2017, certified with DINV-GL ISO 9001 standard and offering exemplary education from last 29 years. Untiring efforts of staff, students, management and positive academic ambience prevailed in the campus had made University to be ranked as 2nd among Private Universities in Tamilnadu by National Institutional Ranking Framework, Ministry of Human Resource Development, Government of India. University also declared as one among the top 31 deemed to be Universities by the Times Higher Education Ranking.

ABOUT THE SCHOOL

The School of Science and Humanities since its inception in the year 1988, functions with a team of committed faculty members who strongly believe in imparting quality education through the courses of basic science and humanities, catering the requirements of Engineering, Science and arts students. With the passage of time, the role of the Department has widened quite significantly. Currently, the school of Science and Humanities, houses various programmes like Physics, Chemistry, Mathematics, English, Psychology and Viscom that are offered at Under Graduate, Post Graduate and PhD level. All the programmes offered under this school, actively engage in student research activities enabling and preparing the students to the societal and industrial needs. Apart from the programmes offered, an extensive array of study areas is facilitated through institutional and industrial collaborations.

ABOUT THE COURSE

The certificate course on research methodology is focused on developing the research interest among the learners. The objectives of the course are to identify the area of interest of the researchers, to discuss the research methodology undertaken and to draft and format a research paper or/and a thesis. The successful completion of the course will make the learners to gain a knowledge on the fundamentals of writing a research work, able to identify and apply the research methods and can contribute to the research on Language and Literature by presenting and publishing papers and able to successfully complete their projects.

WHO CAN ATTEND THE COURSE?

This 30 Hour course is crafted to improve the research skills of the students, so the final year BA and MA students of English Literature are expected to attend the course. On successful completion of quizzes and assignments, the students will receive an e-certificate.

LESSON PLAN OF THE COURSE

Lesson 1	Academic Writing Lower Order Concerns Higher Order Concerns
Lesson 2	Tense Consistency
Lesson 3	Using Appropriate Pronouns
Lesson 4	Using Passive Sentences
Lesson 5	Thesis Statement
Lesson 6	Organising the Ideas
Lesson 7	Developing the Content
Lesson 8	Thesis Planning ➤ Literature ➤ Language (ELT and Linguistics)
Lesson 9	Finding a Research Gap
Lesson 10	Aims and Objectives
Lesson 11	Hypothesis (for ELT)
Lesson 12	Research Findings
Lesson 13	Analysis
Lesson 14	Writing a Literature Review
Lesson 15	Finding related research materials
Lesson 16	Reading Methods (Extensive and Intensive reading, skimming, scanning and note making)

Lesson 17	Paraphrasing and utilising appropriate quotes
Lesson 18	Avoiding Plagiarism
Lesson 19	Organising the Review
Lesson 20	Research Method ➤ Empirical Research ➤ Hermeneutic Phenomenology
Lesson 21	Quantitative Method ➤ Finding Variables ➤ Sampling Method
Lesson 22	Qualitative Method ➤ Selecting a Literary Text ➤ Choosing a theory (if needed)
Lesson 23	Drafting a Research Methodology
Lesson 24	Formatting a Thesis ➤ MLA 8 th Edition vs APA
Lesson 25	Page and Chapter format, Documentation
Lesson 26	Working Bibliography
Lesson 27	References (of various resources)
Lesson 28	Inset Citation
Lesson 29	Annexures and Appendices
Lesson 30	Editing the final outcome using Technologies and Tools

RESOURCE PERSONS

Dr. Amutha Monica. J
 Dr. Lily. V
 Dr. Sufina. K
 Ms. Kavitha. S
 Ms. Sruthilaya. G

Assistant Professor, Department of English
 Sathyabama Institute of Science and Technology.

PROGRAMME COORDINATORS

Dr. Sufina. K
 Dr. Sowmya. LM

Assistant Professor, Department of English
 Sathyabama Institute of Science and Technology

CONVENOR

Dr. Amutha Monica. J
 Head, Department of English
 Sathyabama Institute of Science and Technology

CHIEF PATRONS

Dr. Mariazeena Johnson, Chancellor
 Dr. Marie Johnson, President
 Mr. J. Arul Selvan, Vice President
 Ms. Maria Bernadette Tamilarasi, Vice President

PATRON & ORGANISING SECRETARY

Dr. T. Sasipraba
 Vice Chancellor
 Sathyabama Institute of Science and Technology

June 6th - July 15th 2022



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

SCHEDULES OF THE VALUE ADDED PROGRAM

6th JUNE 2022 TO 15th JULY 2022

S.NO	NAME OF THE STAFF	TOPIC COVERED	DATE	DURATION
1.	Dr. Amutha Monica.J	Formatting a thesis	06/06/2022 – 13/06/2022	6
2.	Dr. Lizy.V	Research Method	14/06/2022 – 21/06/2022	6
3.	Dr.Sufina.K	Thesis Planning	22/06/2022 – 29/06/2022	6
4.	Ms. Kavitha.S	Writing a Literature Review	30/06/2022 – 07/07/2022	6
5.	Ms. Sruthilaya.G	Writing Lower Order Concerns Higher Order Concerns	08/07/2022 – 15/07/2022	6

J. Amutha Monica

HOD,
Department of English
Sathyabama Institute of Science
& Technology



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

SCHOOL OF SCIENCE AND HUMANITIES

DEPARTMENT OF ENGLISH

Certificate Course on Mechanics of Research [30 Hrs Programme]

Students Attended: III BA English

Number of students attended: 5

Mode of class: Offline

Time of classes taken: 2.15 PM TO 3.15 PM

Schedule of the classes along with topics taken by the staff

S. No.	Name of the staff	Topic covered	Date	Duration
1	Dr. Amutha Monica.J	Formatting a thesis	06/06/2022 – 13/06/2022	6
2	Dr. Lizy.V	Research Method	14/06/2022 – 21/06/2022	6
3	Dr.Sufina.K	Thesis Planning	22/06/2022 – 29/06/2022	6
4	Ms. Kavitha.S	Writing a Literature Review	30/06/2022 – 07/07/2022	6
5	Ms. Sruthilaya.G	Writing Lower Order Concerns Higher Order Concerns	08/07/2022 – 15/07/2022	6

J. Amutte Monica

HOD
Department of English
Sathyabama Institute of Science
& Technology



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

www.sathyabama.ac.in

OUTCOMES OF VALUE ADDED PROGRAM: **MECHANICS OF RESEARCH**

After the successful completion of the course students should be able to:

- Demonstrate the ability to choose methods appropriate to research aims and objectives
- Understand the limitations of particular research methods
- Develop skills in qualitative and quantitative data analysis and presentation
- Develop advanced critical thinking skills
- Demonstrate enhanced writing skills

J. Amutte Marice

HOD
Department of English
Sathyabama Institute of Science
& Technology



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE
www.sathyabama.ac.in

SYLLABUS OF VALUE ADDED PROGRAM:

MECHANICS OF RESEARCH

Lesson 1	Academic Writing Lower Order Concerns Higher Order Concerns
Lesson 2	Tense Consistency
Lesson 3	Using Appropriate Pronouns
Lesson 4	Using passive sentences
Lesson 5	Thesis statement
Lesson 6	Organising the ideas
Lesson 7	Developing the content
Lesson 8	Thesis Planning • Literature • Language (ELT and Linguistics)
Lesson 9	Finding a research gap
Lesson 10	Aims and Objectives
Lesson 11	Hypothesis (for ELT)
Lesson 12	Research findings
Lesson 13	Analysis
Lesson 14	Writing a Literature Review
Lesson 15	Finding related research materials
Lesson 16	Reading methods (Extensive and Intensive reading, skimming, scanning and note making)
Lesson 17	Paraphrasing and utilising appropriate quotes
Lesson 18	Avoiding plagiarism
Lesson 19	Organising the review
Lesson 20	Research Method ➤ Empirical research ➤ Hermeneutic phenomenology
Lesson 21	Quantitative Method ➤ Finding variables ➤ Sampling method
Lesson 22	Qualitative Method ➤ Selecting a literary text ➤ Choosing a theory
Lesson 23	Drafting a research methodology
Lesson 24	Formatting a thesis ➤ MLA 8th edition vs APA
Lesson 25	Page and Chapter format, Documentation
Lesson 26	Working Bibliography
Lesson 27	References
Lesson 28	Intext citation
Lesson 29	Annexures and appendices
Lesson 30	Editing the final outcome using technologies and tools

J. Amutte Marice

HOD
Department of English
Sathyabama Institute of Science
& Technology

VALUE ADDED PROGRAM
CERTIFICATE COURSE ON MECHANICS OF RESEARCH
06 - JUNE - 2022 TO 15 - JULY - 2022
ATTENDANCE SHEET

S.NO	REGISTRATION	STUDENT NAME	June															July														
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		ANNIE SAHAYA JASHMA.	6	7	8	9	10	13	14	15	16	17	20	21	22	23	24	27	28	29	30	1	4	5	6	7	8	11	12	13	14	15
1	40010002	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	40010003	ASWINLOURDU. A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	40010004	BHUVANESHWARI. M	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	40010005	DHARANI . T	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	40010006	GANGOTHRI. L	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

J. Amutte Manice

HOD,
Department of English
Sathyabama Institute of Science
& Technology



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI – 600 119



School of Science and Humanities
Department of English

CERTIFICATE COURSE

This is to certify that **ANNIE SAHAYA JASHMA. A,40010002**, III BA English has successfully completed the **30 hours certificate course on *Mechanics of Research*** offered by the Department of English, School of Science and Humanities, Sathyabama Institute of Science and Technology, from **06-06-2022** to **15-07-2022**.

Dr. Rekha Chakravarti
Dean- Arts and Science
Convenor

Dr. Amutha Monica J
Head, Department of English
Convenor

Dr. Sasipraba T
Vice Chancellor



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI – 600 119



School of Science and Humanities
Department of English

CERTIFICATE COURSE

This is to certify that **ASWINLOURDU. A,40010003**, III BA English has successfully completed the **30 hours certificate course on *Mechanics of Research*** offered by the Department of English, School of Science and Humanities, Sathyabama Institute of Science and Technology, from **06-06-2022** to **15-07-2022**.

Dr. Rekha Chakravarti
Dean- Arts and Science
Convenor

Dr. Amutha Monica J
Head, Department of English
Convenor

Dr. Sasipraba T
Vice Chancellor



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI – 600 119



School of Science and Humanities
Department of English

CERTIFICATE COURSE

This is to certify that **BHUVANESHWARI. M,40010004**, III BA English has successfully completed the **30 hours certificate course on *Mechanics of Research*** offered by the Department of English, School of Science and Humanities, Sathyabama Institute of Science and Technology, from **06-06-2022** to **15-07-2022**.

Dr. Rekha Chakravarti
Dean- Arts and Science
Convenor

Dr. Amutha Monica J
Head, Department of English
Convenor

Dr. Sasipraba T
Vice Chancellor



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI – 600 119



School of Science and Humanities
Department of English

CERTIFICATE COURSE

This is to certify that **DHARANI . T, 40010005**, III BA English has successfully completed the **30 hours certificate course on *Mechanics of Research*** offered by the Department of English, School of Science and Humanities, Sathyabama Institute of Science and Technology, from **06-06-2022** to **15-07-2022**.

Dr. Rekha Chakravarti
Dean- Arts and Science
Convenor

Dr. Amutha Monica J
Head, Department of English
Convenor

Dr. Sasipraba T
Vice Chancellor



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY, CHENNAI – 600 119



School of Science and Humanities
Department of English

CERTIFICATE COURSE

This is to certify that **GANGOTHRI. L,40010006**, III BA English has successfully completed the **30 hours certificate course on *Mechanics of Research*** offered by the Department of English, School of Science and Humanities, Sathyabama Institute of Science and Technology, from **06-06-2022** to **15-07-2022**.

Dr. Rekha Chakravarti
Dean- Arts and Science
Convenor

Dr. Amutha Monica J
Head, Department of English
Convenor

Dr. Sasipraba T
Vice Chancellor



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

DEPARTMENT OF INFORMATION TECHNOLOGY

VALUE ADDED COURSES 2021 – 22

S.No	Name of the value added courses (with 30 or more hours)	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of the course	Number of students enrolled in the year	Number of students completing the course in the year
1	Internet of Things		13/7/2021	1	30	85	80
2	Block Chain	VAL4014	10/10/2021	1	30	92	89
3	Cyber Security	VAL4015	10/10/2021	1	30	97	94
4	Data Structures		7/3/2022	1	30	102	98
5	Augmented and Virtual Reality		7/3/2022	1	30	85	83



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

DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES

INTERNET OF THINGS



Date

From: 13/07/2021

To: 14/09/2021

REGISTRATION LINK:

shorturl.at/ghsN3

CONTACT:

Dr.Gomathi
Department of IT



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 Outcomes

- 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.

Course Content:

Week 1

5 Hours

Introduction to Iot, Understanding IoT fundamentals, IoT architecture and protocols, Various for IoT

Week 2

5 Hours

Basics of Embedded C Programming for Arduino, Interfacing LED push button and buzzer with Arduino Interfacing, Arduino with LCD

Week 3

5 Hours

Overview of Sensors and their working, Analog and Digital Sensors, Interfacing of Temperature, Humidity, Motion, Light and Gas Sensor(s) with Arduino, Interfacing of Actuators with Arduino, Interfacing of Relay Switch and Servo Motor with Arduino

Week 4**5 Hours**

Basics of Wireless Networking, Introduction to ESP8266 Wi-Fi Module, Various Wi-Fi libraries, Webserver – Introduction, Installation and Configuration.

Week 5**5 Hours**

IoT Protocols, M2M vs IoT, Communication Protocols, MQTT, COAP, HTTP

Week 6**5 Hours**

Virtualization concepts and Cloud Architecture, Cloud Computing benefits, Cloud Services – SaaS, PaaS, IaaS, Cloud Providers and offerings, Study of IoT Cloud Platforms



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

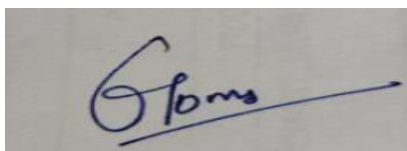
List of Enrolled Students

S.No	Reg.No	Roll.No	Name	13/07/21	27/07/21	10/08/21	24/08/21	03/09/21	14/09/21
1	38120001	18SIT9017	AARTHY.G	P	P	P	P	P	P
2	38120002	18SIT9056	ABHISHEKKUMAR	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	ANNAGREETATITUS 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	ASHMITASINGH	P	P	P	P	P	P
15	38120015	18SIT8004	ASWINKUMAR.K	P	P	P	P	P	A
16	38120016	18SIT9009	BAKYA.B	P	P	P	P	P	P
17	38120017	18SIT9024	BALABHARATHI.P	P	P	P	P	P	P
18	38120018	18SIT9053	BALAJI.P	P	P	P	P	P	P
19	38120019	18SIT5021	BALAMURUGAN.R	P	A	P	P	P	P

20	38120020	18SIT5037	BALSUMDIWAN	P	P	P	P	P	P
21	38120021	18SIT5005	BARANIDARAN.GT	P	P	A	P	P	P
22	38120022	18SIT8002	CATHERINEJENIFER	P	A	P	P	P	P
23	38120023	18SIT9001	DIVYADHARSHINI.V	P	P	P	P	P	P
24	38120024	18SIT9012	GAYATHRI.M	P	P	A	P	P	P
25	38120025	18SIT9006	GNANASOUNTHARI YA.S	P	P	P	P	A	P
26	38120026	18SIT5033	GNANAMANI. CT	P	P	P	P	P	P
27	38120027	18SIT5034	GOWTHAM.S	P	P	P	P	P	P
28	38120028	18SIT9054	HAMIDHUSSAIN	P	P	P	A	P	P
29	38120029	18SIT5024	HARSHANANCHELL .S	P	P	P	P	P	P
30	38120030	18SIT9052	HEMANTHREDDY.M	P	P	P	P	P	P
31	38120031	18SIT9002	IMMACULATEMARIA 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	JOHNWILIFREDDAVID	P	P	P	P	P	P
35	38120035	18SIT5022	JOTHIKA.K	P	P	P	P	P	A
36	38120036	18SIT9022	JOTHILAKSHMI.V	P	P	P	P	P	P
37	38120037	18SIT9016	KAMALSHARMA.R	P	P	P	P	P	P
38	38120038	18SIT5006	KAMEPALLINITHISH	P	P	P	P	P	P
39	38120039	18SIT9044	KARTHIKEYAN.N	P	A	P	P	P	P
40	38120040	18SIT9010	KARTHIYAYINI.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	KUSHALGOYAL.M	P	P	P	P	P	P
44	38120044	18SIT9014	LAKSHMIPRIYA.M	P	P	A	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	P	P	P	A
48	38120048	18SIT5004	MANISHA.B	P	P	P	P	P	P
49	38120049	18SIT9038	MEERADEVIL	P	P	P	P	P	P
50	38120050	18SIT9003	MOHAMEDAS HIK.N	P	P	P	P	P	P
51	39120001	19S125001	AAKASH.S	P	A	P	P	P	P
52	39120002	19S125057	AARTHI.N	P	P	P	P	P	P
53	39120003	19S125090	ABHINAVKUMAR	P	P	A	P	P	P
54	39120004	19S125002	ADHITHYA.V	P	P	P	P	P	P
55	39120005	19S125003	AISHWARYALAKSH ML.K	P	P	P	P	P	P
56	39120006	19S125004	AJAY.G	P	P	P	P	P	P
57	39120023	19S125014	DHINAKARAN . B	P	P	A	P	P	P
58	39120008	19S125070	AMIRNENIKRISHNAT EJA	P	P	P	P	P	P
59	39120009	19S125092	ANGUKAUSHI K.S	P	P	P	P	P	P
60	39120010	19S125072	ANUBAMA.J	P	P	P	P	P	A
61	39120012	19s125007	ANVESH.N	P	P	P	P	P	P
62	39120013	19S125009	ARJUN.A	P	P	P	P	P	P
63	39120014	19S125010	ARUNACHALAM.R	P	P	P	P	P	P
64	39120015	19S125098	BALAJI.MANCHI	P	A	P	P	P	P
65	39120016	19S125012	BOOMESH.M	P	P	P	P	P	P
66	39120017	19S121017	BRUNDAVANAMDU RGASUMANTHMA NI	P	P	A	P	P	P
67	39120018	19S125013	CHARAN.V	P	P	P	P	P	P
68	39120019	19S125082	DARSHAN.DS	P	P	A	P	P	P
69	39120020	19S125063	DARSHAN.ANAND	P	P	P	P	A	P
70	39120022	19S125076	DHANESHWAR.V	P	P	P	P	P	P
71	40120001	20S125091	AARTHI.R	P	P	P	P	P	P
72	40120002	20S125044	ABDULAJEES.I	P	P	P	A	P	P
73	40120003	20S125021	ABELPRIYAK UMAR.P	P	P	P	P	P	P

74	40120004	20S125015	ABHISHEIK.R	P	P	P	P	P	P
75	40120005	20S125067	ABINAYA.R	P	P	P	P	P	P
76	40120006	20S125065	AGASH.K	P	P	A	P	P	P
77	40120007	20S125060	AJAY.B	P	P	P	P	P	P
78	40120008	20S125022	ALINAMUSHTAQ	P	P	P	P	P	P
79	40120009	20S125055	ALOYSIUSJOSEPH	P	P	P	P	P	A
80	40120010	20S125066	AMAANALI	P	P	P	P	P	P
81	40120011	20S125025	AMRITHAAASHOK	P	P	P	P	P	P
82	40120012	20S125077	ANISHKUMAR .A.S	P	P	P	P	P	P
83	40120013	20S125031	ANTONJUBIN.R	P	A	P	P	P	P
84	40120014	20S125010	AVINASH.K	P	P	P	P	P	P
85	40120015	20S121004	BANDARUMA HESHSI	P	P	A	P	P	P

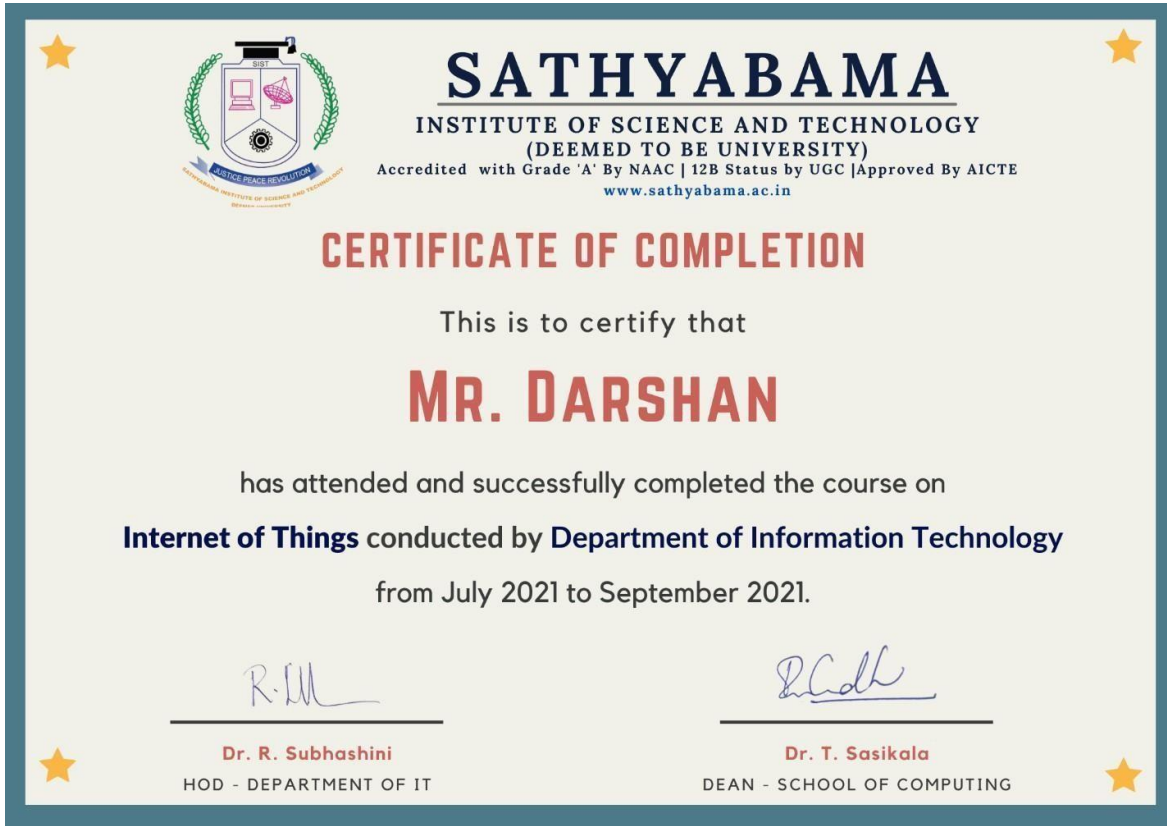


SIGNATURE OF COURSE COORDINATOR



SIGNATURE OF HEAD OF THE DEPARTMENT

Certificates:





SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

AARTHY.G

has attended and successfully completed the course on

Internet of Things conducted by **Department of Information Technology**

from July 2021 to September 2021.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

KAVIYA. S

has attended and successfully completed the course on
Internet of Things conducted by **Department of Information Technology**
from July 2021 to September 2021.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

KEERTHIGA.N

has attended and successfully completed the course on
Internet of Things conducted by **Department of Information Technology**
from July 2021 to September 2021.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

ALINAMUSHTAQ

has attended and successfully completed the course on
Internet of Things conducted by **Department of Information Technology**
from July 2021 to September 2021.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

ALOYSIUS JOSEPH

has attended and successfully completed the course on
Internet of Things conducted by **Department of Information Technology**
from July 2021 to September 2021.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

AVINASH.K

has attended and successfully completed the course on
Internet of Things conducted by **Department of Information Technology**
from July 2021 to September 2021.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

ABHISHEKKUMAR

has attended and successfully completed the course on
Internet of Things conducted by **Department of Information Technology**
from July 2021 to September 2021.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

BALAMURUGAN.R

has attended and successfully completed the course on
Internet of Things conducted by **Department of Information Technology**
from July 2021 to September 2021.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

BALSUMDIWAN

has attended and successfully completed the course on
Internet of Things conducted by **Department of Information Technology**
from July 2021 to September 2021.

Dr. R. Subhashini

HOD - DEPARTMENT OF IT

Dr. T. Sasikala

DEAN - SCHOOL OF COMPUTING



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

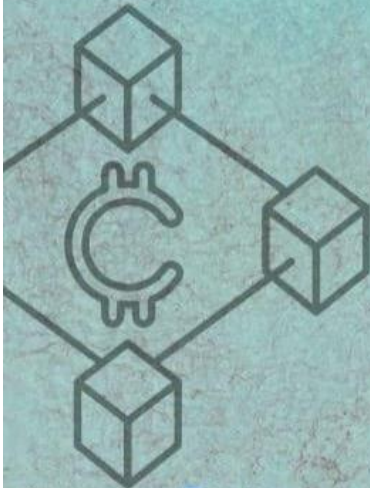
Accredited with "A" Grade by NAAC

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

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

www.sathyabama.ac.in

**DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES**



BLOCK CHAIN

Date

From: 10/10/2021

To: 11/12/2021

REGISTRATION LINK:

shorturl.at/xKMV1

CONTACT:

Dr. Jeberson Retna Raj
Department of IT



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:

- Describe the basic concepts and technology used for blockchain.
- Describe the primitives of the distributed computing and cryptography related to blockchain.
- Illustrate the concepts of Bitcoin and their usage.
- . Implement Ethereum block chain contract.
- Apply security features in blockchain technologies.
- Use smart contract in real world applications.

Course Content:

Week 1

5 Hours

Decentralised Ledger System, Centralised Trusted Party – Advantages and Disadvantages, Security, Integrity and Privacy Issues of a Decentralized System, Blockchain – A technology that makes sense with trust and coordination.

Week 2

5 Hours

Cryptographic Elements: Public Key & Private Key, Digital Signature & Hash Value, Public Key
Cyptography

Week 3

5 Hours

Classification of Blockchain Platforms, Highlights of Major Blockchain Platforms, Trustlessness and Immutability of Blockchain Technology

Week 4**5 Hours**

Tokenizing, Tokenizing shares and Fund raising, The five security risks of Blockchain, Applied Smart Contracts (DAML): Step by Step Example

Week 5**5 Hours**

Blockchain for Health Insurance, Blockchain& Prop Tech, Institutional Investment Opportunities in the Digital Asset Space.

Week 6**5 Hours**

Create your very own crypto currency, Crypto-anarchism and Cyberpunks, Hashcryptography, Mining and consensus, Proof-of-Work consensus.



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

List of Enrolled Students

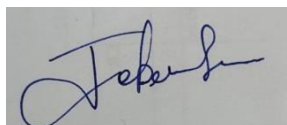
S.No	Reg No	RollNo	Name	10/10/21	24/10/21	10/11/21	23/11/21	30/11/21	11/12/21
1	40120016	20S125103	BHARTISINGH	P	P	P	P	P	P
2	40120017	20S125006	BHUVANESHWARA N .S	P	A	P	P	P	P
3	40120018	20S125056	BOOMINATHAN.D.M	P	P	P	P	P	P
4	40120019	20S125099	CHABATHULAVAZR AHIMABINDHU	P	P	A	P	P	P
5	40120020	20S125012	CHARULATHA .K	P	P	P	P	A	P
6	40120021	20S121005	CHERUKUNITHESH REDDY	P	P	P	P	P	P
7	40120022	20S125088	CHINDULURI REDDY VENKATA MOHITHESWAR	P	P	P	P	P	P
8	40120023	20S125008	CLAUDIAPRINCY.V	P	P	P	A	P	P
9	40120024	20S121001	DANISHHARRISON. J	P	P	P	P	P	P
10	40120025	20S125050	DEEPAK.S	P	P	P	P	P	P
11	40120026	20S125053	DHANALAKSHMI.S	P	P	P	P	P	P

12	40120027	20S125090	DHANUSHRAJ .M	P	P	A	P	P	P
13	40120028	20S125033	DINESHRAJARADH A	P	P	P	P	P	P
14	40120029	20S125092	DISHABHAVANI.M	P	P	P	P	P	P
15	40120030	20S125086	DIVYADHARSINI.P.S	P	P	P	P	P	A
16	40120031	20S125070	DONINIGO.S	P	P	P	P	P	P
17	40120032	20S125001	FELISHIASELAS.C	P	P	P	P	P	P
18	40120033	20S125072	GUNNAMSMARAN	P	P	P	P	P	P
19	40120034	20S125035	HARIHARAN.V	P	A	P	P	P	P
20	40120035	20S125082	HARISH.A	P	P	P	P	P	P
21	40120036	20S125048	IDRISAHMED	P	P	A	P	P	P
22	40120037	20S125040	JABINRAJASOLOM ON.S	P	P	P	P	P	P
23	40120038	20S125064	JAGADEESH.V	P	A	P	P	P	P
24	40120039	20S125026	JANANI.N	P	P	P	P	P	P
25	40120040	20S125052	JASONKEVIN	P	P	A	P	P	P
26	40120041	20S125003	JAYASRI.R	P	P	P	P	A	P
27	40120042	20S125068	KALVAPOOJITHA	P	P	P	P	P	P
28	40120043	20S125087	KARRIDUNDYNAGA VEERASAIPRANAY	P	P	P	P	P	P
29	40120044	20S129001	KAVITHA.V.R	P	P	P	A	P	P
30	40120045	20S125029	KAVIYA.S	P	P	P	P	P	P
31	40120046	20S125038	KIRTHIGA.V	P	P	P	P	P	P
32	40120047	20S125071	KISHORE.K	P	P	P	P	P	P
33	40120048	20S125002	KISHOREKUMAR.K	P	P	A	P	P	P
34	40120049	20S125024	KISHOREKUMAR.K	P	P	P	P	P	P
35	40120050	20S125076	KOLLIMARLAAKSH AY	P	P	P	P	P	P
36	38120051	18SIT9041	MOKITHA.B	P	P	P	P	P	A
37	38120052	18SIT5038	MUSKANFIRDOUSI	P	P	P	P	P	P
38	38120053	18SIT9008	NANDHINI.V	P	P	P	P	P	P
39	38120054	18SIT9007	NITHYA.B	P	P	P	P	P	P
40	38120055	18SIT9027	NITHYA.M	P	A	P	P	P	P

41	38120056	18SIT9039	PAVITHRAPRIYA.K	P	P	P	P	P	P
42	38120057	18SIT9031	PIYUSHSINHA	P	P	A	P	P	P
43	38120058	18SIT5010	POOJABALAKRISHN AN	P	P	P	P	P	P
44	38120059	18SIT9028	PRADYOTANRAJU. V	P	P	A	P	P	P
45	38120060	18SIT9035	PRAGADEESWARIM	P	P	P	P	A	P
46	38120061	18SIT9026	PRAKASH.S	P	P	P	P	P	P
47	38120062	18SIT5011	PRAVIN.I	P	P	P	P	P	P
48	38120063	18SIT9020	PREETHI.S	P	P	P	A	P	P
49	38120064	18SIT5012	PRIYADHARASHINI. P	P	P	P	P	P	P
50	38120065	18SIT5039	RAHULRAJ	P	P	P	P	P	P
51	38120066	18SIT1004	RAMANUJAM.VK	P	P	P	P	P	P
52	38120067	18SIT9011	ROHINI.M	P	P	A	P	P	P
53	38120068	18SIT5013	ROHIT.V	P	P	P	P	P	P
54	38120069	18SIT5014	ROSHANCHRISTY.R	P	P	P	P	P	P
55	38120070	18SIT9021	SABITHRA.D	P	P	P	P	P	A
56	38120071	18SIT9025	SAKTHIVARSHINI.K	P	P	P	P	P	P
57	38120072	18SIT9046	SANDHIYA.V	P	P	P	P	P	P
58	38120073	18SIT9015	SANGEETHA.KK	P	P	P	P	P	P
59	38120074	18SIT9049	SANJUDHA.M	P	A	P	P	P	P
60	38120075	18SIT9034	SANTHOSHKUMAR. M	P	P	P	P	P	P
61	38120076	18SIT9032	SANTOSHKUMAR	P	P	A	P	P	P
62	38120077	18SIT5015	SARAPHILOMIN.V	P	P	P	P	P	P
63	38120078	18SIT9047	SHIVA.M	P	P	P	A	P	P
64	38120079	18SIT1003	SMRITHI.R	P	P	P	P	P	P
65	38120080	18SIT9055	SOLAPURIMANMO HAN	P	P	P	P	P	P
66	38120081	18SIT9013	SOUNDHARY A.S	P	P	P	P	P	P
67	38120082	18SIT9033	SWETHA.V	P	P	A	P	P	P

68	38120083	18SIT5029	TRAGHULSUDHARSAN	P	P	P	P	P	P
69	38120084	18SIT9004	TEKKIDEEPAK	P	P	P	P	P	P
70	38120085	18SIT5016	THILAKDARSHAN.	P	P	P	P	P	A
71	38120086	18SIT8001	THOMSONYESHWANTHJM	P	P	P	P	P	P
72	38120087	18SIT5025	VAIBHAVVISHAL	P	P	P	P	P	P
73	38120088	18SIT5035	VAISHNAVY.P	P	P	P	P	P	P
74	38120089	18SIT5020	VASAN.SK	P	A	P	P	P	P
75	38120090	18SIT9029	VIGNESH.G	P	P	P	P	P	P
76	38120091	18SIT5018	VINAYAKSUBODHRANJAN	P	P	A	P	P	P
77	38120092	18SIT9019	VINITHA.S	P	P	P	P	P	P
78	38120093	18SIT9048	VINOTH.V	P	P	P	P	P	P
79	38120094	18SIT5019	VISHNU.P	P	P	P	A	P	P
	38120095	18SIT5040	YAHYAIBRA	P	P	P	P	P	P
80			HIMIMTIAZ						
81	38120096	18SIT5027	YASHSWIKAUSHIK	P	P	P	P		P
82	38120097	18SIT9023	YUVASRI.J	P	P	P	P		P
83	38120098	18SIT5041	SIVAKUMAR.S	P	P	A	P		P
84	38120099	18SIT5042	YADAVMANISHUDAY	P	P	P	P		P
85	38120100	18SIT5043	MANOJ.A	P	P	P	P		P
86	38120901	19SLIT801	PRAMOTH.A	P	P	P	P		A
87	41120001	21S125164	AATHISIVABALAND	P	P	P	P		P
88	41120002	21S125104	ABHILASHB	P	P	P	P		P
89	41120003	21S125064	ABINAYAV	P	P	P	P		P
90	41120004	21S125061	ADCHAYAJV	P	A	P	P		P
91	41120005	21S125015	ADDANKIRAMYASRI	P	P	P	P		P

92	41120006	21S125155	ADRIELSAM UELJEYANATH	P	P	A	P	P
----	----------	-----------	--------------------------	---	---	---	---	---



SIGNATURE OF COURSE COORDINATOR



SIGNATURE OF HEAD OF THE DEPARTMENT

Certificate:



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **BHARTI SINGH** has attended and successfully completed the course on **Blockchain** conducted by Department of Information Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **CHARULATHA.K** has attended and successfully completed the course on **Blockchain** conducted by Department of Information Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **DEEPAK.S** has attended and successfully completed
the course on **Blockchain** conducted by Department of Information
Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **DHANALAKSHMI.S** has attended and successfully completed the course on **Blockchain** conducted by Department of Information Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **DON INIGO.S** has attended and successfully completed the course on **Blockchain** conducted by Department of Information Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **FELISHIA SELAS.C** has attended and successfully completed the course on **Blockchain** conducted by Department of Information Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **HARISH.A** has attended and successfully completed
the course on **Blockchain** conducted by Department of Information
Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **IDRISAHMED** has attended and successfully completed the course on **Blockchain** conducted by Department of Information Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **SHIVA.M** has attended and successfully completed
the course on **Blockchain** conducted by Department of Information
Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



CERTIFICATE OF COMPLETION

This is to certify that **SWETHA.V** has attended and successfully completed the course on **Blockchain** conducted by Department of Information Technology from October 2021 to December 2021.

DR. R. SUBHASHINI
HOD - Department of IT

DR. T. SASIKALA
Dean - School of Computing



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

DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES

CYBER SECURITY

Date

From: 10/10/2021

To: 11/12/2021

REGISTRATION LINK:

<https://bit.ly/34Zue19>

CONTACT:

Dr.Revathy
Department of IT



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:

- Fundamentals of modern cryptography tools
- To develop the fame work for Intrusion Detection, Operating System Security Tools
- To develop the algorithm for data encryption and data erasure
- To learn to use tools for buffer overflow and SQL injection

Course Content:

Week1

5Hrs

Understanding Ethical Hacking and Cyber security, various domains of Information Security. Different types of penetration testing, various information security standards, key issue pertaining in today's information security world and various technologies used to suffice information security requirements.

Week2

5Hrs

Deep dive into Networking and understanding the OSI layer and protocols. TCP Packets, IP Packets, TCP/IP 3 way handshaking, OSI layer in details, various other protocols, ports and services.

Week3:

5Hrs

Understanding the concepts behind Kali Linux OS and various ethical hacking tools. Information Gathering tools, social networking tools, social engineering tools, password bruteforcers, reverse engineering tools etc.

Week4:**5Hrs**

Demonstration of conducting Network scanning using tools like Nmap. Nmap various command usage and nse scripts.

Week5**5Hrs**

Understanding Cryptography Concepts, Encryption Algorithms, Cryptography Tools like gnupg, bcrypt, .etc, Public Key Infrastructure (PKI), Email Encryption, Disk Encryption. Ciphers, Difference between encoding, encryption and hashing, Different types of encryption, public and private keys, encrypting files using gnupg and cryptencryptions, performing disk encryption.

Week6:**5Hrs**

Learning about Denial of service/Distributed Denial of service concepts, tools and botnets. DoS/DDoS attack techniques and tools to assess a target and DoS/DDoS counter measures.



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

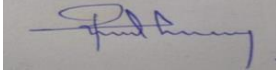
List of Enrolled Students

S.No	Reg No	RollNo	Name	10/10/21	24/10/21	10/11/21	23/11/21	30/11/21	11/12/21
1	39120007	19S125110	AMAN.Gupta	P	P	P	P	P	P
2	39120024	19S125071	DIGANTAPANDA	P	A	P	P	P	P
3	39120025	19s125015	DINESHKUMA R. S	P	P	P	P	P	P
4	39120026	19S121003	DIYAMARY.D	P	P	A	P	P	P
5	39120027	19S121006	DURGAPRASAD.K	P	P	P	P	A	P
6	39120028	19S125112	EDUPUGANTI SRIVALLI.E	P	P	P	P	P	P
7	39120029	19S121004	ESTHER.D	P	P	P	P	P	P
8	39120030	19S125122	EVANGELIN.E	P	P	P	A	P	P
9	39120031	19S125083	FEROSEMOOSHA.FJ	P	P	P	P	P	P
10	39120032	19S125096	GOBIGA.B	P	P	P	P	P	P
11	39120033	19S125016	GOKULKUMAR.S	P	P	P	P	P	P
12	39120034	19S125097	GOKULKRISSHNA.S	P	P	A	P	P	P
13	39120035	19S125115	GOKULNATH.SREE RANGAM	P	P	P	P	P	P
14	39120036	19S125089	HARISH.KATARI	P	P	P	P	P	P
15	39120037	19S125119	HARISHDHAR AN.P	P	P	P	P	P	A
16	39120038	19S125018	HEMALATHA.V	P	P	P	P	P	P
17	39120039	19S125019	HEMANTHKUMAR. IRLA	P	P	P	P	P	P

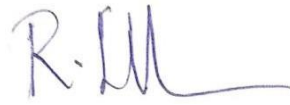
18	39120040	19S125109	INIYADHARSINI.S	P	P	P	P	P	P
19	39120041	19S125020	JACOBRAJA.T	P	A	P	P	P	P
20	39120042	19S125021	JAGADEES.M	P	P	P	P	P	P
21	39120043	19S125022	JAYAPRADEESH.SL	P	P	A	P	P	P
22	39120044	19S121002	JAYADEEP.BOBBA	P	P	P	A	P	P
23	39120045	19S125008	JAYARAM.ARAVA	P	P	P	P	P	P
24	39120046	19S121013	JEBINEARNES	P	P	P	P	P	P
25	39120047	19S125023	JESTINJOSE.P	P	P	P	P	P	P
26	39120048	19S125074	JOSHUA.J	P	P	A	P	P	P
27	39120049	19S125069	JUSHWANTHKUMAR. T	P	P	P	P	P	P
28	39120050	19S125024	KALAIVANI.M	P	P	P	P	P	P
29	39120051	19S125087	KARTHIKREDDY.MAL IGIREDD Y	P	P	P	P	P	A
30	39120052	19S125025	KAVEYHA.G	P	P	P	P	P	P
31	39120053	19S125067	KESHIHAA.M	P	P	P	P	P	P
32	39120054	19S125026	KIRAN.K	P	P	P	P	P	P
33	39120055	19S125027	KISHORE.D	P	A	P	P	P	P
34	39120056	19S121005	KISHOREKUMAR.A	P	P	P	P	P	P
35	39120057	19S121016	KOMAL.KONTEMUKK ULA	P	P	A	P	P	P
36	39120058	19S125028	KUMARAN.B	P	P	P	P	P	P
37	39120059	19S125085	LAKSHMIVIG NESH.BEZAWADA	P	P	P	P	P	P
38	39120060	19S125093	LAKSHMINARAYANA. KANTE	P	P	P	P	P	P
39	39120061	19S125114	LIKITHA.KALARI	P	P	A	P	P	P
40	39120062	19S125029	LOKESH.N	P	P	P	P	P	P
41	39120072	19S129004	MYTHILI.V	P	P	P	P	P	P
42	39120073	19S125111	NAGASRISAI.K	P	P	P	P	P	A
43	39120074	19S125033	NANDANANAIR.S	P	P	P	P	P	P

44	39120075	19S121018	NIKHIL.KOKONDA	P	P	P	P	P	P
45	39120076	19S125073	NITHESHWER.VS	P	P	P	P	P	P
46	39120077	19S125034	NITHISHKUMAR.CM	P	A	P	P	P	P
47	39120078	19S125100	PALLAVIKUMARI	P	P	P	P	P	P
48	39120079	19S125103	PARTHAPRATIM. HALDER	P	P	A	P	P	P
49	39120080	19S125035	PORKODI.S	P	P	P	P	P	P
50	39120081	19S125117	PRABHATKUMAR.P	P	P	P	P	P	P
51	41120007	21S129004	AFIYAM	P	P	P	P	P	P
52	41120008	21S125049	HAJAYSRINIVASAN	P	P	A	P	P	P
53	41120009	21S125098	AJONITHASJ	P	P	P	P	P	P
54	41120010	21S121015	AKALYAS	P	P	P	P	P	P
55	41120011	21S125088	AKASHC	P	P	P	P	P	A
56	41120012	21S125130	AKASHM	P	P	P	P	P	P
57	41120013	21S125082	AKASHP	P	P	P	P	P	P
58	41120014	21S125009	SAKASH	P	P	P	P	P	P
59	41120015	21S125008	ALLAGADDAKARTHIK KUMARREDDY	P	A	P	P	P	P
60	41120016	21S125010	AMAYKANCHHIT	P	P	P	P	P	P
61	41120017	21S125067	AMIRTHASRI V	P	P	A	P	P	P
62	41120018	21S121016	ANANDSAISA THVIKYELURI	P	P	A	P	P	P
63	41120019	21S125001	ANBUNITHIE	P	P	P	P	A	P
64	41120020	21S125132	ANGELINETANYA	P	P	P	P	P	P
65	41120021	21S125033	ANKITPRAJAPATI	P	P	P	P	P	P
66	41120022	21S125147	ANTHUSJHONESA	P	P	P	A	P	P
67	41120023	21S125157	ARAVINDGURUSAM Y	P	P	P	P	P	P
68	41120024	21S125149	ARAVINDT	P	P	P	P	P	P
69	41120025	21S125020	ARCHISHAW	P	P	P	P	P	P
70	41120026	21S125143	SBARCHITH	P	P	A	P	P	P

71	41120027	21S125173	ARGHYACHANDRA	P	P	P	P	P	P
72	41120028	21S125081	ARUNBALAJI VS	P	P	P	P	P	P
73	41120029	21S125117	ARUNKUMARK	P	P	P	P	P	A
74	41120030	21S125136	ARVINDB	P	P	P	P	P	P
75	41120031	21S125022	ASHLYNTIMOTHEYD	P	P	P	P	P	P
76	41120032	21S125127	ASHWANTHR	P	P	P	P	P	P
77	41120033	21S125071	ASHWINMR	P	A	P	P	P	P
78	41120034	21S125030	AVINASHKUMAR GUPTA	P	P	P	P	P	P
79	41120035	21S125123	AYUSHIKAREENA	P	P	A	P	P	P
80	41120036	21S125167	BALACHANDRA KUMARS	P	P	A	P	P	P
81	41120037	21S125162	BANDARIMANIKANT A	P	P	P	P	A	P
82	41120038	21S125078	BARATHC	P	P	P	P	P	P
83	41120039	21S125178	BAVINA	P	P	P	P	P	P
84	41120040	21S128002	BENITAS	P	P	P	A	P	P
85	41120070	21S125053	HENNYSTEPHENM	P	P	P	P	P	P
86	41120072	21S125169	INNANISWAYAM	P	P	P	P	P	P
87	41120073	21S125079	JAMESEDVINS	P	P	P	P	P	P
88	41120074	21S125073	JAWAGARSRIG	P	P	A	P	P	P
89	41120075	21S125118	JEFFRE J	P	P	P	P	P	P
90	41120076	21S125070	KJEGADEESH	P	P	P	P	P	P
91	41120077	21S125145	MJENITHASHWIN	P	P	P	P	P	A
92	41120078	21S125119	JOHNSINAJOTHIS	P	P	P	P	P	P
93	41120079	21S125184	JONNAMOHIT	P	P	P	P	P	P
94	41120080	21S125055	JOSHINAVICTORJ	P	P	P	P	P	P
95	41120081	21S125051	JOYCEDAVID	P	A	P	P	P	P
96	41120082	21S125091	JUDITHSHALOMJOY J	P	P	P	P	P	P
97	41120083	21S125006	KAMALESHK	P	P	A	P	P	P

A handwritten signature in blue ink, appearing to read "R. M.", enclosed within a rectangular box.

SIGNATURE OF COURSE COORDINATOR

A handwritten signature in blue ink, appearing to read "R. M.", written in a cursive style.

SIGNATURE OF HEAD OF THE DEPARTMENT

Certificate:



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

JEFFRE J

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

JAMES EDVINS

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

AKALYAS

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

AJONITHASJ

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

GOBIGA. B

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

FEROSE MOOSHA. FJ

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

EVANGELIN.E

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

ESTHER.D

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

DINESHKUMAR. S

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

CERTIFICATE OF COMPLETION

This is to certify that

DIGANTAPANDA

has attended and successfully completed the course on
Cyber Security conducted by Department of Information Technology
from October 2021 to December 2021.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



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



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

www.sathyabama.ac.in



SCHOOL OF COMPUTING

DEPARTMENT OF INFORMATION TECHNOLOGY

TECHNICAL FORUM FOR CAREER ADVANCEMENT

- Session Includes Expertise from Various Corporates
- Top 5 students – Sponsored PT2 internship

Module 1

Data Structure with C++

Module 2

Advanced Data Structures with Python

Module 3

DBMS, OS and Networks

Registration:

shorturl.at/eEGOU



Scan here!!

Patron:

Dr.T.Sasipraba,Vice chancellor

Convenors:

Dr.T.Sasikala,Dean,
School of Computing

Dr.R.Subhashini,HoD,Dept of IT

Chief Patrons:

Dr. Mariazeena Johnson, Chancellor

Dr. Marie Johnson, President

Mr. Arul Selvan, Vice President

Ms. Maria Bernadette Tamilarasi Johnson,
Vice President

Coordinators

Dr.A.Sivasangari/ IT

Dr.S.Revathy/ IT

Dr.R.Sathyabama Krishna/ CSE



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:

- Implement abstract data types using arrays and linked list.
- Apply the different linear data structures like stack and queue to various computing problems. Implement different types of trees and apply them to problem solutions.
- Discuss graph structure and understand various operations on graphs and their applicability.
- Analyze the various sorting and searching algorithms.
- Understand the hashing technique and hash functions.

Course Content:

Week1

5Hrs

Introduction to DataStructures,Arrays,Linear and Binary Search Implementation using Arrays

Week2

5Hrs

Introduction to Stacks,Implementation of Stack Operations using Array,Implementation of Stack Applications using C and C++.

Week3:

5Hrs

Introduction to Queues,Implementation of Queue Operations using Array,Implementation of Queue Applications using C and C++

Week4:

5Hrs

Introduction to Linked List, Singly Linked List, Implementation of Singly Linked List Operations

Week5

5Hrs

Implementation of Doubly Linked List, Implementation of Circular Linked List

Week6:

5Hrs

Talks by Alumni, Experts from Corporate and Final Year Placed Students



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

List of Enrolled Students

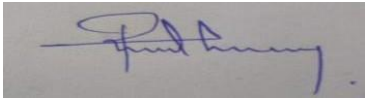
S.No	Reg No	RollNo	Name	07/03/22	22/03/22	31/03/22	13/04/22	27/04/22	12/05/22
1	41120084	21S125076	KAMILATHRIFKAS	P	P	P	P	P	P
2	41120085	21S125075	KARAN	P	A	P	P	P	P
3	41120086	21S125109	KARTHIKA	P	P	P	P	P	P
4	41120087	21S125185	GKARTHIK	P	P	A	P	P	P
5	41120088	21S125026	KASASAIMANIKANTA	P	P	P	P	A	P
6	41120089	21S125174	KAVISELVAN A	P	P	P	P	P	P
7	41120090	21S125144	KAVITHAK	P	P	P	P	P	P
8	41120091	21S125029	KAVIYANIVASHINIV	P	P	P	A	P	P
9	41120092	21S125090	KEERTHANAC	P	P	P	P	P	P
10	41120093	21S125086	KEERTHANAANUSHA.C	P	P	P	P	P	P
11	41120094	21S121013	KIRANM	P	P	P	P	P	P
12	41120095	21S125063	KISHORES	P	P	A	P	P	P
13	41120096	21S125087	KOLLAUDAY	P	P	P	P	P	P
14	41120097	21S125102	KOTERUAMRUTHA	P	P	P	P	P	P
15	41120098	21S125074	KRISHNAPATELM	P	P	P	P	P	A
16	41120099	21S125080	KUMARAVADIVELP	P	P	P	P	P	P
17	41120100	21S125057	LEOSHARLINJOHNSON	P	P	P	P	P	P
18	41120101	21S125182	LINGAPRAVINKS	P	P	P	P	P	P
19	41120102	21S125059	LOKESHRAJJ	P	A	P	P	P	P
20	41120103	21S125148	MADALAGOPIKRISHNA	P	P	P	P	P	P

21	41120104	21S125040	VMADHULIKA	P	P	A	P	P	P
22	41120105	21S125072	MADHUMITHAR	P	P	A	P	P	P
23	41120106	21S125002	MAGESHWARANK	P	P	P	P	P	P
24	41120107	21S121014	MAJIDFASIAHMED	P	P	P	P	P	P
25	41120108	21S121017	MANDAPAKAGANESH	P	P	P	P	P	A
26	41120109	21S121004	MANOJKUMARK	P	P	P	P	P	P
27	41120110	21S125125	MIRUDHUBASHINIBS	P	P	P	P	P	P
28	41120139	21S125133	PRAGYASHAR MA	P	P	P	P	P	P
29	41120140	21S125096	PRATHIMAS	P	A	P	P	P	P
30	41120141	21S121007	PRATIK	P	P	P	P	P	P
31	41120142	21S128003	PRINCYANGELINB	P	P	A	P	P	P
32	41120143	21S125124	PRIYADHARSHINIS	P	P	P	P	P	P
33	41120144	21S125028	PRIYADHARSINIK	P	P	P	P	P	P
34	41120145	21S125003	RAGAVSUBRAMANIAN R	P	P	P	A	P	P
35	41120146	21S125039	RAGHULPRASATHR	P	P	P	P	P	P
36	41120147	21S121011	RAHULRAMP	P	P	P	P	P	P
37	41120148	21S125037	RAMACHANDRAN.G	P	P	P	P	P	P
38	41120149	21S125161	RANGINENIJAYAVARD HAN	P	P	A	P	P	P
39	41120150	21S125151	RESHEBKUMARCP	P	P	P	P	P	P
40	41120151	21S125056	RETHISHAR	P	P	P	P	P	P
41	41120152	21S121010	ROJAMUTHIAHN	P	P	P	P	P	A
42	41120153	21S125024	ROYSTERA	P	P	P	P	P	P
43	41120154	21S125032	SAFIYAFARHEENA	P	P	P	P	P	P
44	41120155	21S125017	SAIDEEPAKS	P	P	P	P	P	P
45	41120156	21S125154	SAIRAMS	P	A	P	P	P	P
46	41120158	21S125165	SAMAYAMANTHULA NAGAVENKATADUR GAMOHAN	P	P	P	P	P	P

47	41120159	21S121005	SAMBRATHAS	P	P	A	P	P	P
48	41120160	21S125085	SANGEETHAS	P	P	P	P	P	A
49	41120161	21S125138	SANJEETHAT	P	P	P	P	P	P
50	41120162	21S125054	SANTHIYAM	P	P	P	P	P	P
51	41120163	21S125095	SANTHIYAMARYX	P	P	P	P	P	P
52	41120164	21S125046	SARUHASHINI	P	A	P	P	P	P
53	41120165	21S125112	SASHAANTHS	P	P	P	P	P	P
54	41120166	21S125146	SASIKUMARI	P	P	A	P	P	P
55	41120167	21S125171	SHAIKNAZIA	P	P	P	P	A	P
56	41120168	21S125066	SHAKTHIGANESHS	P	P	P	P	P	P
57	41120169	21S125021	SHALINID	P	P	P	P	P	P
58	41120170	21S125036	SHARONCHRISTYR	P	P	P	A	P	P
59	41120171	21s125158	SHILPAS	P	P	P	P	P	P
60	41120172	21S125035	SHIVAGANAPATHYR AAJCS S	P	P	P	P	P	P
61	41120173	21S125013	SIVASREESJ	P	P	P	P	P	P
62	41120174	21S125137	SOWRIRAJANM	P	P	A	P	P	P
63	41120175	21S125019	SREETALADHVAITA AHLAAD	P	P	P	P	P	P
64	41120176	21S125062	SUBBIAHS	P	P	P	P	P	P
65	41120177	21S125134	SURUGUALEKYA	P	P	P	P	P	A
66	41120178	21S125152	RDSURYA	P	P	P	P	P	P
67	41120179	21S125121	SUTHIRKUMARM	P	P	P	P	P	P
68	39120082	19s125102	PRADEESHRAJ.K	P	P	P	P	P	P
69	39120083	19S125036	PRAVEEN.KS	P	A	P	P	P	P
70	39120084	19S125056	PREETHI.S	P	P	P	P	P	P
71	39120085	19S125099	PRITHIVIRAJ.M	P	P	A	P	P	P
72	39120086	19S125037	PRIYADHARSHANI.B	P	P	P	P	P	A

73	39120087	19S125078	RAHUL.AGARALA	P	P	P	P	P	P
74	39120088	19S125095	RAHULADESH.M	P	P	P	P	P	P
75	39120089	19S125038	RAHUMAN.M	P	P	P	P	P	P
76	39120090	19S125039	RAJAGANESH.A	P	A	P	P	P	P
77	39120091	19S125084	RAMANAN.B	P	P	P	P	P	P
78	39120092	19S125105	RAUSHANKUMAR	P	P	A	P	P	P
79	39120093	19S121010	RAVISHANKA R.MD	P	P	P	P	P	A
80	39120094	19S125088	RAVISHANKA R. D	P	P	P	P	P	P
81	39120095	19S121014	RICHASHARMA.KM	P	P	P	P	P	P
82	39120096	19S125058	RITHIWIK.E	P	P	P	P	P	P
83	39120097	19S125040	ROJARBENNY.K	P	A	P	P	P	P
84	39120098	19S125106	SAIHANEESH. SANGARJU	P	P	P	P	P	P
85	39120099	19S125041	SAKTHIGANESH.S	P	P	A	P	P	P
86	39120100	19S129002	SAKTHIVEL.R	P	P	P	P	A	P
87	39120101	19S121001	SAMRIHTA.AR	P	P	P	P	P	P
88	39120102	19S125079	SANKARI.K	P	P	P	P	P	P
89	39120103	19S125118	SARANYA.M	P	P	P	A	P	P
90	39120104	19S125068	SARATH.L	P	P	P	P	P	P
91	39120105	19S125059	SATHISHKUMAR.VS	P	P	P	P	P	P
92	39120106	19S125042	SHAJITHAHAMED. S	P	P	P	P	P	P
93	39120107	19S125043	SHAMVENKAT.S	P	P	A	P	P	P
94	39120108	19S125066	SHARIN.S	P	P	P	P	P	P
95	39120109	19S125044	SHARONSWETHA.X	P	P	P	P	P	P
96	39120110	19S125107	SHAURYASAMEER.SS	P	P	P	P	P	A
97	39120111	19S125101	SHESHASENAREDDY.K ESHAPALLY	P	P	P	P	P	P
98	39120112	19S121011	SHILP.GOHIL	P	P	P	P	P	P
99	39120113	19S125091	SIRANJEEVI.R	P	P	P	P	P	P
100	39120114	19S125062	SIVAPRIYA.P	P	A	P	P	P	P

101	39120115	19S121008	SNEHALATHAREDDY. LAKKU	P	P	P	P	P	P
102	40120076	20S125041	SAGARKUMAR	P	P	A	P	P	P



SIGNATUREOFCOURSE COORDINATOR

SIGNATUREOFHEADOF THEDEPARTMENT



Certificate:



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **SIVAPRIYA.P** has attended and successfully completed the course on **Data Structures** conducted by
Department of Information Technology
from March 2022 to May 2022.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **SAIRAM.S** has attended and successfully
completed the course on **Data Structures** conducted by
Department of Information Technology
from March 2022 to May 2022.

Dr. R. Subhashini
HOD - Department of IT

Dr. T. Sasikala
Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **SAIDEERAK.S** has attended and successfully completed the course on **Data Structures** conducted by
Department of Information Technology
from March 2022 to May 2022.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **SAFIYAFARHEENA** has attended and successfully completed the course on **Data Structures** conducted by Department of Information Technology from March 2022 to May 2022.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **PRATIK** has attended and successfully completed the course on **Data Structures** conducted by
Department of Information Technology
from March 2022 to May 2022.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **PRATHIMA.S** has attended and successfully completed the course on **Data Structures** conducted by
Department of Information Technology
from March 2022 to May 2022.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **MIRUDHUBASHINI.BS** has attended and successfully completed the course on **Data Structures** conducted by Department of Information Technology from March 2022 to May 2022.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **MANOJ KUMAR.K** has attended and successfully completed the course on **Data Structures** conducted by Department of Information Technology from March 2022 to May 2022.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **LOKESHRAJ.J** has attended and successfully completed the course on **Data Structures** conducted by
Department of Information Technology
from March 2022 to May 2022.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
www.sathyabama.ac.in



Certificate of Completion

This is to certify that **LINGAPRAVIN.KS** has attended and successfully completed the course on **Data Structures** conducted by Department of Information Technology from March 2022 to May 2022.

Dr. R. Subhashini

HOD - Department of IT

Dr. T. Sasikala

Dean - School of Computing



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

DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES

AUGMENTED AND VIRTUAL REALITY

Date

From: 07/03/2022

To: 08/05/2022

REGISTRATION LINK:

shorturl.at/psx09

CONTACT:

Dr.Jeyanthi
Department of IT



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

- Adopt various principles and concepts of virtual reality and its application.
- Apply appropriate method of geometric modeling
- Formulate virtual environment for a given engineering problem and VR simulation for problem situation.
- Analyze various VR software in a structured manner and prepare report as per the technical standards.

Course Content:

Week1

5Hrs

Introduction to AR/VR, Challenges in AR/VR tools for AR/VR Software and Hardware required for AR/VR

Week2

5Hrs

Working with Unity software Development environment in AR/VR, Computer Vision and Human Computer Interaction in AR/VR, 3D Modelling Software and Hands-on Training

Week3:

5Hrs

AR/VR Development Toolkit: Vuforia AR, AR Core, Easy AR, Spark AR, Working Environment in Unity

Week4:**5Hrs**

Types of AR Technologies, Augmented City Maps, Geo-Location in AR Technology, Customization & Development of AR Applications

Week5**5Hrs**

RHistory, VR Hardware, Psychology of VR, Illusion of VR, 3D Graphics and 3D Environments

Week6:**5Hrs**

VR Video, Interaction in VR, User Interface Design for VR Applications, Interaction in VR Applications



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

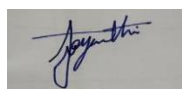
List of Enrolled Students

S.No	Reg No	RollNo	Name	07/03/22	21/03/22	04/04/22	13/04/22	22/04/22	08/05/22
1	40120051	20S125097	KRISHNAKUMARVY AS	P	P	P	P	P	P
2	40120052	20S125079	KRISHNAPRIYA.R.S	P	A	P	P	P	P
3	40120053	20S125094	MANIKKAM.S	P	P	P	P	P	P
4	40120054	20S121002	MANISHSINGH	P	P	A	P	P	P
5	40120055	20S125102	MATTA VENKATA RAHUL	P	P	P	P	A	P
6	40120056	20S125074	MOHAMED ABDULLA H. K	P	P	P	P	P	P
7	40120058	20S125037	MONEESH.S	P	P	P	P	P	P
8	40120059	20S125005	MUKESH KUTTAN.C.P	P	P	P	A	P	P
9	40120060	20S125054	MUTHUYASHWANT H.S	P	P	P	P	P	P
10	40120061	20S125080	NALLAUDAYKIRAN	P	P	P	P	P	P
11	40120062	20S125030	NAREN.D	P	P	P	P	P	P
12	40120063	20S125084	NARISSETTY SRINIVAS A RAO	P	P	A	P	P	P
13	40120064	20S125014	NIKITA ANGELINE DAVID	P	P	P	P	P	P
14	40120065	20S125027	PAVITHRAA.S	P	P	P	P	P	P
15	40120066	20S125004	PRASANNAKUMAR. S	P	P	P	P	P	A
16	40120067	20S125020	PRASEMA FEMIGRACE. P.W	P	P	P	P	P	P
17	40120068	20S125011	PRAVEEN.N	P	P	P	P	P	P
18	40120069	20S125032	PRAVIN.S	P	P	P	P	P	P

19	40120070	20S125009	PRIYADARSHINI.R	P	A	P	P	P	P
20	40120071	20S125085	RAJAREGAN.A	P	P	P	P	P	P
21	40120072	20S125018	RAJALASHMI .R	P	P	A	P	P	P
22	40120073	20S125017	RAMASAMY.N	P	P	P	P	P	A
23	40120074	20S125019	REEYABVARGHESE	P	P	P	P	P	P
24	40120075	20S125078	ROHITH.P	P	P	P	P	P	P
	40120077	20S125062	SAKTHIVINAYAK	P	P	P	P	P	P
26	40120078	20S125007	SANJAIKANT H.J	P	A	P	P	P	P
27	40120079	20S125049	SANJAY.S	P	P	P	P	P	P
28	40120080	20S125036	SANJAYKUMAR.S.M	P	P	A	P	P	P
29	40120081	20S125096	SANTHOSH.J	P	P	P	P	P	P
30	40120082	20S125083	SARAGADAMLAYA NANDAN	P	P	P	P	P	P
31	40120083	20S125039	SELSYAJENIFER.L	P	P	P	P	P	A
32	40120084	20S125073	SHALOMJABARAJ.J	P	P	P	P	P	P
33	40120085	20S125063	SIMSON.J	P	P	P	P	P	P
34	40120086	20S125100	SOUMYADEEPDAS	P	P	P	P	P	P
35	40120087	20S125013	SOWMIYA.R.K	P	A	P	P	P	P
36	40120088	20S121003	SREERAMOJUSHRADDHA	P	P	P	P	P	P
37	40120089	20S125045	SRIDEVI.S	P	P	A	P	P	P
38	40120090	20S125101	SRIJITH.B	P	P	P	P	P	P
39	40120091	20S125023	SRINIVAS.K.N	P	P	P	P	P	A
40	40120092	20S125057	SRIRAM.J	P	P	P	P	P	P
41	40120093	20S125046	SRIVARDHAN.C	P	P	P	P	P	P
42	40120094	20S125047	SUDHARSAN. P	P	P	P	P	P	P
43	40120095	20S125069	SURAVARAMDHANUSH	P	A	P	P	P	P
44	40120096	20S125093	SURIYA.S	P	P	P	P	P	P
45	40120097	20S125028	TAMILINIYAN .P	P	P	A	P	P	P
46	40120098	20S125058	THIRISHA.A	P	P	A	P	P	P

47	40120099	20S125059	THIRUNAVUKARASAR. N	P	P	P	P	P	P
48	40120100	20S125095	TUFFINSANDO.J	P	P	P	P	P	P
49	40120101	20S125075	VAIBHAVSIN GH	P	P	P	P	P	A
50	40120102	20S125081	VASANTHAKUMAR.M	P	P	P	P	P	P
51	40120103	20S125098	VELAN.S	P	P	P	P	P	P
52	40120104	20S125043	VIGHNESH.SU	P	P	P	P	P	P
53	40120105	20S125089	VIGNESH.K.S	P	A	P	P	P	P
54	40120106	20S125051	VIJAYSRINIVASAN.M	P	P	P	P	P	P
55	40120107	20S125034	VISHVASHWARRAN. V.B	P	P	A	P	P	P
56	40120108	20S125042	VISHWA.L	P	P	A	P	P	P
57	40120109	20S125061	VISHWA.B	P	P	P	P	A	P
58	40120110	20S125104	TULLURIKEERTHINADH	P	P	P	P	P	P
59	40120111	20S125105	KOLLISRIKANTH	P	P	P	P	P	P
60	40120112	20S125106	PRANESHPRIY ANSHU	P	P	P	A	P	P
61	40120113	20S125107	R.V.NITESHKUMAR	P	P	P	P	P	P
62	40120114	20S125108	NARAMAMIDISURYATA RUNJEE	P	P	P	P	P	P
63	40120115	20S125109	SRJITHSAIL	P	P	P	P	P	P
64	40120116	20S125110	OBINNIVEERA VENKATA DURGAS AISUDHEER	P	P	A	P	P	P
65	40120117	20S125111	LEVESHKUMARV	P	P	P	P	P	P
66	40120118	20S125112	ANKITKUMAR	P	P	P	P	P	P
67	40120119	20S125113	KOMMURIVAMSI	P	P	P	P	P	A
68	40120120	20S125114	KUNALKUMAR	P	P	P	P	P	P

69	40120121	20S125115	YANAMADALASATYAPRIYANKA	P	P	P	P	P	P
70	39120117	19S129003	SOWMIYA.S	P	P	P	P	P	P
71	39120118	19S125104	SOWMYASREE.T	P	A	P	P	P	P
72	39120119	19S125005	SRAVANTHSATYARAMK I.AKULA	P	P	P	P	P	P
73	39120120	19S125048	SRISWETHA.G	P	P	A	P	P	P
74	39120121	19S125047	SRIRANGAPRASATH.V	P	P	P	P	P	P
75	39120122	19S125049	SUJAY.R	P	P	P	P	P	P
76	39120123	19s125121	SURYA.S	P	P	A	P	P	P
77	39120124	19S125120	SUSHANTKUMAR	P	P	P	P	P	P
78	39120125	19S121007	SUSHANTKUMAR. L	P	P	P	P	P	P
79	39120126	19S125051	SUSILKUMAR. RM	P	P	P	P	P	A
80	39120127	19S125116	TANIYA.VERMA	P	P	P	P	P	P
81	39120128	19S125075	THENDRAL.S	P	P	P	P	P	P
82	39120129	19S125113	TILAK.CHAUHAN	P	P	P	P	P	P
83	39120130	19S125086	VAMSHI.BALAGANI	P	A	P	P	P	P
84	39120131	19S121009	VAMSI.MOGA LIPURI	P	P	P	P	P	P
85	39120132	19S125065	VASANTH.P	P	P	A	P	P	P



SIGNATURE OF COURSE COORDINATOR



SIGNATURE OF HEAD OF THE DEPARTMENT

Certificate



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

VASANTH. P

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

A handwritten signature in blue ink, appearing to read 'R. Subhashini'.

DR. R. SUBHASHINI
HOD - Department of IT

A handwritten signature in blue ink, appearing to read 'T. Sasikala'.

DR. T. SASIKALA
Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

VISHWA. L

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

DR. R. SUBHASHINI

HOD - Department of IT

DR. T. SASIKALA

Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

SANTHOSH. J

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

DR. R. SUBHASHINI

HOD - Department of IT

DR. T. SASIKALA

Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

SANJAYKUMAR.S.M

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

DR. R. SUBHASHINI

HOD - Department of IT

DR. T. SASIKALA

Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

SANJAY.S

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

DR. R. SUBHASHINI

HOD - Department of IT

DR. T. SASIKALA

Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

RAJAREGAN.A

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

DR. R. SUBHASHINI

HOD - Department of IT

DR. T. SASIKALA

Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

PRIYADARSHINI.R

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

DR. R. SUBHASHINI

HOD - Department of IT

DR. T. SASIKALA

Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

PRAVIN.S

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

DR. R. SUBHASHINI

HOD - Department of IT

DR. T. SASIKALA

Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

PRAVEEN. N

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

DR. R. SUBHASHINI

HOD - Department of IT

DR. T. SASIKALA

Dean - School of Computing



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Accredited with Grade 'A' By NAAC | 12B Status by UGC | Approved By AICTE
www.sathyabama.ac.in

Certificate of Completion

This is to certify that

MANIKKAM. S

has attended and successfully completed the course on
Augmented and Virtual Reality conducted by
Department of Information Technology
from March 2022 to May 2022.

DR. R. SUBHASHINI

HOD - Department of IT

DR. T. SASIKALA

Dean - School of Computing