



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 Bio & Chemical

Department of Biomedical Engineering

1.3.3 Value-Added Courses 2022-2023

S. No.	Title	Dates	No. of Students Enrolled	No. of Students Completed
1.	LabVIEW For Biomedical Applications	12. 07. 2022 to 17.7.2022	59	59
2.	C Programming	11. 07. 2022 to 26.7.2022	50	50
3.	Instrumentation Of Intensive Care Equipment	6. 02. 2023 to 11.2.2023	50	50
4.	3D Printing for Biomedical Applications	13.3.2023 to 18.3.2023	50	50

1. LabVIEW for Biomedical Applications



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)



School of Bio and Chemical Engineering
Department of Biomedical Engineering
offers
A value added course
on
LABVIEW FOR BIOMEDICAL APPLICATIONS
Date: 12th - 17th July, 2022
Duration: 30 Hours

Course Outcomes

- The purpose of the proposed program is to gain knowledge and hands-on experience in Model Based Design using LabVIEW focus on Real Time Applications.
- The training program addresses how the hardware and software modules interface with Sensors to acquire real world signals, to analyze them and present them in an intelligent manner
- LabVIEW is a powerful graphical development environment for signal acquisition, measurement analysis, data logging and data presentation, giving the flexibility in programming. It is an Enabling industry leading software tool

Course Content

- Introduction to LabVIEW
- Programming fundamentals
- Exploring LabVIEW
- Simulation of Bio signals and data logging
 - Acquire, Process, Analyze and saving of data
 - Arrhythmia Detector
 - Heart rate detector
 - EEG Analyzer for seizure detection
 - Simulation of pace maker

Program Coordinator

Dr. T. Sudhakar
Dr. J. Premkumar

DEPARTMENT OF BIOMEDICAL ENGINEERING
A value-added course on
LABVIEW FOR BIOMEDICAL APPLICATIONS
12th - 18th July 2022

STUDENTS NAME LIST

S. No.	Reg. Number	Student Name	12/7	13 /7	14/7	15/7	16/7	17/7
1	42440001	ANAND BALAJI A	P	P	P	P	P	P
2	42440002	INDU S	P	P	P	P	P	P
3	42440003	JINU JACOB Y	P	P	P	P	P	P
4	42440004	PAVITHRA G S	P	P	P	P	P	P
5	41440001	ADITH RAGHUNATH	P	P	P	P	P	P
6	41440002	AFREEN BANU F	P	P	P	P	P	P
7	41440003	ASHWATHI. H	P	P	P	P	P	P
8	41440004	BABISHA J	P	P	P	P	P	P
9	41440005	HARITHA K	P	P	P	P	P	P
10	41440006	HEMALATHA M	P	P	P	P	P	P
11	41440007	JENNIFER J	P	P	P	P	P	P
12	41440008	MERCY GRACE M	P	P	P	P	P	P
13	41440009	MOSHIKANALINI K	P	P	P	P	P	P
14	41440010	SABARIVEL R	P	P	P	P	P	P
15	41440011	SOLLENSELVAN V	P	P	P	P	P	P
16	41440012	SOUNDER S K	P	P	P	P	P	P
17	41440013	VIGNESHWARAN S	P	P	P	P	P	P
18	41440014	WAIJHA SAFEEN C	P	P	P	P	P	P
19	39240001	AAKESH. U	P	P	P	P	P	P
20	39240002	AISHVARIYA SHIVANI. S	P	P	P	P	P	P
21	39240003	AISHWARYA J	P	P	P	P	P	P
22	39240004	AISHWARYA MOHAN KUMAR	P	P	P	P	P	P
23	39240005	AKSHARA D	P	P	P	P	P	P
24	39240006	AKSHARA S	P	P	P	P	P	P
25	39240007	ANCY HANNAH CHARLET. A	P	P	P	P	P	P
26	39240008	ARAVINTH R	P	P	P	P	P	P
27	39240009	ATCHAYA. E	P	P	P	P	P	P
28	39240010	BHAVANI SRI. S	P	P	P	P	P	P
29	39240011	CATHERINE MELITA P	P	P	P	P	P	P
30	39240012	CHELSEA HANNAH. A	P	P	P	P	P	P
31	39240013	DARREN AKASH. J	P	P	P	P	P	P
32	39240014	DHARANIVASAN. V	P	P	P	P	P	P
33	39240015	DILIP E K	P	P	P	P	P	P

34	39240016	DIVYA R	P	P	P	P	P	P
35	39240017	GEETHANJALI G	P	P	P	P	P	P
36	39240018	HEPZIBAH SUSAN. M	P	P	P	P	P	P
37	39240019	KEERTHANA R	P	P	P	P	P	P
38	39240020	KEERTHIVASAN. V	P	P	P	P	P	P
39	39240021	KISHORE. R	P	P	P	P	P	P
40	39240022	KRISHA. H	P	P	P	P	P	P
41	39240023	LOCHANA. P	P	P	P	P	P	P
42	39240024	MAHALAKSHMI. V	P	P	P	P	P	P
43	39240025	MEENA MANJURI. J	P	P	P	P	P	P
44	39240026	MONICA.S	P	P	P	P	P	P
45	39240027	NISHA.S	P	P	P	P	P	P
46	39240028	PERIYANAYAGAM ROZARIO.B	P	P	P	P	P	P
47	39240029	POOJASRI S	P	P	P	P	P	P
48	39240030	PRERANA. S	P	P	P	P	P	P
49	39240031	RENITTA D	P	P	P	P	P	P
50	39240032	RIDDHITA THAKUR	P	P	P	P	P	P
51	39240033	SABARI K	P	P	P	P	P	P
52	39240034	SABITHA S	P	P	P	P	P	P
53	39240035	SANTHIP SHANMUGAM A	P	P	P	P	P	P
54	39240036	SHEEBA SRI. B	P	P	P	P	P	P
55	39240037	SHERYL ROBINSON	P	P	P	P	P	P
56	39240038	STEFFY REENA. N	P	P	P	P	P	P
57	39240039	TAMIL MARAN K	P	P	P	P	P	P
58	39240040	TAMIZHLARASI	P	P	P	P	P	P
59	39240041	YASWANT RAJASEKARAN	P	P	P	P	P	P

A. Sudhakar

DEPARTMENT OF BIOMEDICAL ENGINEERING
SATHYABAMA
 INSTITUTE OF SCIENCE AND TECHNOLOGY
 (DEEMED TO BE UNIVERSITY)
 Jeppiaar Nagar Rajiv Gandhi Salai
 Chennai - 600 079



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Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119



CERTIFICATE OF PARTICIPATION

This is to certify that Mr. ANAND BALAJI A student of Biomedical Engineering has successfully completed the 30 hours Value added course on "LABVIEW FOR BIOMEDICAL APPLICATIONS" organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 12th - 18th July 2022.

Dr. J. Premkumar
PROGRAM CO-ORDINATOR
BIOMEDICAL

Dr. T. Sudhakar
PROGRAM CO-ORDINATOR &
HOD-BIOMEDICAL



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CERTIFICATE OF PARTICIPATION

This is to certify that Ms. STEFFY REENA. N student of Biomedical Engineering has successfully completed the 30 hours Value added course on "LABVIEW FOR BIOMEDICAL APPLICATIONS" organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 12th - 18th July 2022.

Dr. J. Premkumar
PROGRAM CO-ORDINATOR
BIOMEDICAL

Dr. T. Sudhakar
PROGRAM CO-ORDINATOR &
HOD-BIOMEDICAL

2. C Programming



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University)

School of Bio and Chemical Engineering
Department of Biomedical Engineering

A value added course
on
C PROGRAMMING

Date: 11th - 26th July, 2022

Duration: 30 Hours

Course Outcomes

- Recollect various programming constructs and to develop C programs
- Understand the fundamentals of C programming
- Choose the right data representation formats based on the requirements of the problem
- Implement different Operations on arrays, functions, pointers, structures, unions and files

Course Content

- Fundamentals of Programming
- C Programming Language Concepts & Usage
- C Program Structure
- Using Input & Output functions
- Usage of Variables - declaration | initialization | access
- Casting
- Control Flow - if | if-else | switch-cases
- Logical Operators, Loops - while | do-while | for
- Functions - declaration | definition | usage
- 1D Arrays - Why do we need them & How they can be used?
- 2D Arrays - Matrices
- Pointers - Time to Sweat! - Why | When | How
- Strings - Creating, Reading, Manipulating & Printing
- Recursion - Concept | Usage, Constants, Unions

Program Coordinator

Dr. Grace Kanmani. P
Dr. S. Krishnakumar

11th - 26th July 2022

S. No.	Reg. Number	Student Name	11	12	13	14	15	16	18	19	20	21	22	23	25	26
1	42240001	ABIGAE S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	42240002	ANANTHA NARASIMAN	P	P	P	P	P	P	P	P	P	P	P	A	P	P
3	42240003	ANNA SHAFIKA V	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	42240004	ARVIND N	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	42240005	AVANTHIKA KADHIRESAN	P	A	P	P	P	P	P	P	P	P	P	P	P	P
6	42240006	BHAVANA SURESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	42240007	DHARUN C J	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	42240008	DINESH S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	42240009	DIVYA SIVIKA LEONARD	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	42240010	DONATELLA J	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	42240056	TARAN JOSHUA J	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	42240057	THARUN E	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	42240058	UDHAYA REENA R V	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	42240059	VINISHA SENTHIL KUMAR	P	P	P	P	A	P	P	P	P	P	P	P	P	P
15	42240060	VISHNU PRASATH M B	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	42240061	GEERTHANA.R	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	42240062	VARSHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	42240063	ANEESHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	42240064	THARUN KUMAR P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	42240065	LATHIKA J R	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	41240038	Thaticharla Mansura	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	41240039	VIDULA NANCY N	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	41240040	YUKESH KUMAR S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	41240041	ARSHATH HUSSAIN N	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	41240042	HARSHINI JOSHITHA T	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	41240043	MEDAPATI VENKATA SRI HARSHITHA	P	P	P	P	A	P	P	P	P	P	P	P	P	P
27	41240001	AAKANKSHYA SAMANTARAY	P	P	P	P	P	P	P	P	P	P	P	P	P	P
28	41240002	ABIRAMI S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
29	41240003	AGALYA G	P	P	P	P	P	P	P	P	P	P	P	P	P	P
30	41240004	AMRIN MANZOOR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	41240005	ASHWIN R	P	P	P	P	P	P	P	P	P	P	P	P	P	P
32	41240006	BALAJI	P	P	P	P	P	P	P	P	P	A	P	P	P	P
33	41240007	BERTI MARIA PREETHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	41240008	CAUVIYA SRI K	P	P	P	P	P	P	P	P	P	P	P	P	P	P
35	41240009	CHARAN K V	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	41240010	DHARSHINI S	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	41240011	FARHEEN SAKKIR	P	P	P	P	P	P	P	P	P	P	P	P	P	P
38	41240012	INFANT SHAINNY A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	41240013	JANNE CHETAN	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	41240014	JEFFIN JOSE	P	P	P	P	P	P	P	P	P	P	P	P	P	P
41	42240045	RIYUKTHA S	P	P	P	P	P	P	P	P	P	P	P	P	P	P

42	42240046	ROHAN M	P	P	P	P	P	P	P	P	P	P	P	P	P	P
43	42240047	ROHIND K	P	P	P	P	P	P	P	P	P	P	P	P	P	P
44	42240048	ROHIT DARSHAN.P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
45	42240049	SANJAY K	P	P	P	P	P	P	P	P	P	P	P	P	P	P
46	42240050	SHAHUL HAMEED S	P	P	P	P	P	A	P	P	P	P	P	P	P	P
47	42240051	SHAIK MAHAMMAD ASIM	P	P	P	P	P	P	P	P	P	P	P	P	P	P
48	42240052	SHREYA S	P	P	P	P	P	P	P	P	P	P	P	P	P	A
49	42240053	SIVABALAN A	P	P	P	P	P	P	P	P	P	P	P	P	P	P
50	42240054	SRIVARDHINI. R	P	P	P	P	P	P	P	P	P	P	P	P	P	P

A. Sudhakar

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr. ROHIT DARSHAN.P student of Biomedical Engineering has successfully completed the 30 hours Value added course on "C PROGRAMMING" organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 11th - 26th July, 2022.

P. Grace

Dr. P. Grace Kanmani
PROGRAM CO-ORDINATOR
BIOMEDICAL

S. Krishnakumar

Dr. S. Krishnakumar
PROGRAM CO-ORDINATOR
BIOMEDICAL

A. Sudhakar

Dr. T. Sudhakar
HOD-BIOMEDICAL

3. Instrumentation Of Intensive Care Equipment



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SCHOOL OF BIO AND CHEMICAL ENGINEERING
DEPARTMENT OF BIOMEDICAL ENGINEERING
OFFERS

A VALUE ADDED COURSE
ON
INSTRUMENTATION OF INTENSIVE CARE EQUIPMENT

Date: 6th - 11th february, 2023

Duration: 30 Hours

Course Outcomes

- Apply the knowledge acquired to design a pacemaker and defibrillator
- Describe about diathermy devices used for surgery and physiotherapy
- Assist perfusionists during dialysis and surgeries
- Compare the ventilator working mechanism in anesthesia machines
- Design various therapeutic devices based on the applications learned

Course Content

- Cardiac Defibrillators - DC Defibrillator
- Surgical diathermy machine - Principle - Working Hazards and safety aspects in ESU
- Haemodialysis Machines - Artificial Kidney - Dialyzers - Membranes
- Heart Lung Machine - Oxygenators-Pumps
- Anesthesia Machine -Components - Electronics in Anesthesia machine, Ventilators
- Infusion Pumps- Components- Implantable infusion pumps
- Insulin Pumps- Syringe Pumps
- Incubators-Radiant Warmer - Phototherapy Units

Program Coordinator

Dr. Bethanne J Janney J

Ms. Sindu Divakaran

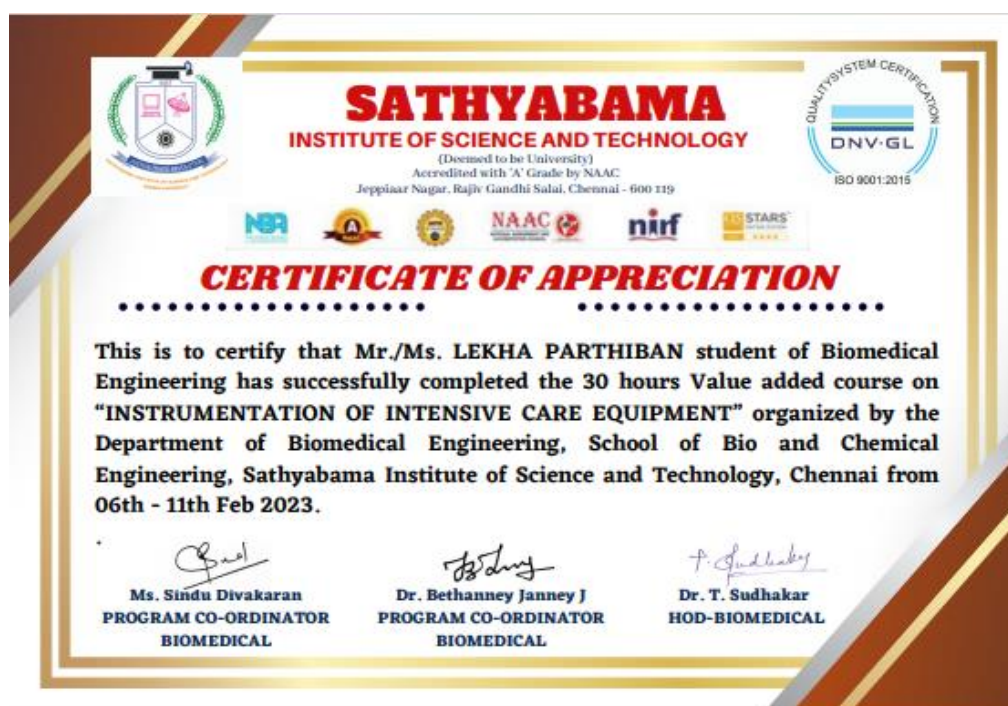
DEPARTMENT OF BIOMEDICAL ENGINEERING**A value-added course on
INSTRUMENTATION OF INTENSIVE CARE EQUIPMENT
06th - 11th Feb 2023****STUDENTS NAME LIST**

S. No.	Reg. Number	Student Name	06/2	07 /2	08/2	09/2	10/2	11/2
1	41240011	FARHEEN SAKKIR	P	P	P	P	P	P
2	41240012	INFANT SHAINNY A	P	P	P	P	P	P
3	41240013	JANNE CHETAN	P	P	P	P	P	P
4	41240014	JEFFIN JOSE	P	P	P	P	P	P
5	41240015	JENNIE ROSHINI P	P	P	P	P	P	P
6	41240016	JENO J	P	P	P	P	P	P
7	41240017	JOEL J	P	P	P	P	P	P
8	41240018	KIRUTHIKA R	P	P	P	P	P	P
9	41240019	LEKHA PARTHIBAN	P	P	P	P	P	P
10	41240020	LEKKALA HEMA	P	P	P	P	P	P
11	41240021	MUTHU VIGNESH V	P	P	P	P	P	P
12	41240022	NAGOTHU BALA AAKASH	P	P	P	P	P	P
13	41240023	NEETHISH B G	P	P	P	P	P	P
14	41240024	PEDAMALLI UMAMAHESWAR	P	P	P	P	P	P
15	41240025	PRAVIN P M	P	P	P	P	P	P
16	41240011	FARHEEN SAKKIR	P	P	P	P	P	P
17	41240012	INFANT SHAINNY A	P	P	P	P	P	P
18	41240013	JANNE CHETAN	P	P	P	P	P	P
19	41240014	JEFFIN JOSE	P	P	P	P	P	P
20	41240015	JENNIE ROSHINI P	P	P	P	P	P	P
21	41240016	JENO J	P	P	P	P	P	P
22	41240017	JOEL J	P	P	P	P	P	P
23	41240018	KIRUTHIKA R	P	P	P	P	P	P
24	41240019	LEKHA PARTHIBAN	P	P	P	P	P	P
25	41240020	LEKKALA HEMA	P	P	P	P	P	P
26	39240008	ARAVINTH R	P	P	P	P	P	P
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29	39240011	CATHERINE MELITA P	P	P	P	P	P	P
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32	39240014	DHARANIVASAN. V	P	P	P	P	P	P
33	39240015	DILIP E K	P	P	P	P	P	P

S. No.	Reg. Number	Student Name	12/7	13/7	14/7	15/7	16/7	17/7
34	39240016	DIVYA R	P	P	P	P	P	P
35	39240017	GEETHANJALI G	P	P	P	P	P	P
36	39240018	HEPZIBAH SUSAN. M	P	P	P	P	P	P
37	39240019	KEERTHANA R	P	P	P	P	P	P
38	39240020	KEERTHIVASAN. V	P	P	P	P	P	P
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47	39240037	SHERYL ROBINSON	P	P	P	P	P	P
48	39240038	STEFFY REENA. N	P	P	P	P	P	P
49	39240039	TAMIL MARAN K	P	P	P	P	P	P
50	39240027	NISHA.S	P	P	P	P	P	P

T. Sudhakar

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4. 3D Printing for Biomedical Applications



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(Deemed to be University)

School of Bio and Chemical Engineering
Department of Biomedical Engineering

offers

A value added course
on

3D PRINTING FOR MEDICAL APPLICATIONS

Date: 13th - 18th March, 2023

Duration: 30 Hours

Course Outcomes

- Know the importance of 3D printing in Manufacturing
- Learn the different 3D Printing Technologies
- Select a suitable material for 3D Printing
- Observe the different methods for post-processing of 3D Printing parts
- Understand the applications of 3D Printing in Bio-medical, Aerospace etc.

Course Content

- Medical Applications for 3D Printing
 - Use of 3D Printing to Support Medical Applications
 - Software Support for Medical Applications
 - Limitations of 3D Printing for Medical Applications
 - Further Development of Medical 3D Printing Applications
- Use of Multiple Materials in 3D Printing
 - Discrete Multiple Material Processes
 - Porous Multiple Material Processes
 - Blended Multiple Material Processes
 - Embedded Component 3D Printing
- Commercial Applications Using Multiple Materials
- Future Directions, Business Opportunities, and Future Directions

Program Coordinator

Dr. T. Sudhakar
Ms. A. Sabarivani

DEPARTMENT OF BIOMEDICAL ENGINEERING**A value-added course on
3D PRINTING FOR MEDICAL APPLICATIONS
13th - 18th March 2023****STUDENTS NAME LIST**

S. No.	Reg. Number	Student Name	13/3	14 /3	15/3	16/3	17/3	18/3
1	42240006	BHAVANA SURESH	P	P	P	P	P	P
2	42240007	DHARUN C J	P	P	P	P	P	P
3	42240008	DINESH S	P	P	P	P	P	P
4	42240009	DIVYA SIVIKA LEONARD	P	P	P	P	P	P
5	42240010	DONATELLA J	P	P	P	P	P	P
6	42240011	GUHAN S	P	P	P	P	P	P
7	42240012	GURUBARAN S	P	P	P	P	P	P
8	42240013	HARIHARAN G	P	P	P	P	P	P
9	42240015	HARSHINI R	A	P	P	P	P	P
10	42240016	JAYAPRIYA.R	P	P	P	P	P	P
11	42240017	JAYASHREE . G	P	P	P	P	P	P
12	42240019	JOHAN SAMUEL. J	P	P	P	P	P	P
13	42240020	JOSHNA S	P	P	P	P	P	P
14	42240006	BHAVANA SURESH	P	P	P	P	P	P
15	42240007	DHARUN C J	P	P	P	P	P	P
16	41240011	FARHEEN SAKKIR	P	P	P	P	P	P
17	41240012	INFANT SHAINNY A	P	P	P	P	P	P
18	41240013	JANNE CHETAN	P	P	P	P	P	P
19	41240014	JEFFIN JOSE	P	P	P	P	P	P
20	41240015	JENNIE ROSHINI P	P	P	P	P	P	P
21	41240016	JENO J	P	P	P	P	P	P
22	41240017	JOEL J	P	P	P	P	P	P
23	41240018	KIRUTHIKA R	P	P	P	P	P	P
24	41240019	LEKHA PARTHIBAN	P	P	P	P	P	P
25	41240020	LEKKALA HEMA	P	P	P	P	A	P
26	40240042	TEJASWINI. S	P	P	P	P	P	P
27	40240043	VIJAYALAKSHMI. B	P	P	P	P	P	P
28	40240044	YOGAPRIYA K	P	P	P	P	P	P
29	40240045	ISHA INGROLE	P	P	P	P	P	P
30	40240046	RANCY IRENE JOSE	P	P	P	P	P	P
31	40240047	SHYAM SUNDAR	P	P	P	P	P	P
32	40240048	ANUMEHAA. K. S	P	P	P	P	P	P
33	40240029	SAM JUDIT. J.V	P	P	P	P	P	P

S. No.	40240030	SARASWATHI. B	12/7	13 /7	14/7	15/7	16/7	17/7
34	40240031	SETHURAMAN K	P	P	P	P	P	P
35	40240032	SHANUJA.M	P	P	P	P	P	P
36	40240033	SHARNISHA. M	P	P	P	P	P	P
37	40240034	SHRUTHI.L	A	P	P	P	P	P
38	40240035	SINDHU ELA	P	P	P	P	P	P
39	41240042	HARSHINI JOSHITHA T	P	P	P	P	P	P
40	41240043	MEDAPATI VENKATA SRI HARSHITHA	P	P	P	P	P	P
41	41240044	GANGARAJU SHAMITHA	P	P	P	P	P	P
42	41240045	SRELAHARI B	P	P	P	P	P	P
43	41240046	SWEETHA S	P	P	A	P	P	P
44	41240048	ANTONY USHA ANU RETHI A	P	P	P	P	P	P
45	41240049	ATTLA.SRIRAJ SHABAREESH	P	P	P	P	P	P
46	42240029	MAXWELL RYAN JOSHUA	P	P	P	P	P	P
47	42240030	MOHAMED HARRIS.M	P	P	P	P	P	P
48	42240031	MOHAMED RABIS M	P	P	P	P	P	P
49	42240033	NANDHANA SUJITH	P	P	P	P	P	P
50	42240034	NISHA D R	P	P	P	P	P	P

A. Sudhakar

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CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. SETHURAMAN K student of Biomedical Engineering has successfully completed the 30 hours Value added course on "3D PRINTING FOR MEDICAL APPLICATIONS" organized by the Department of Biomedical Engineering, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai from 13th - 18th March 2023.


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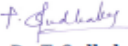
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