



SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

(DEEMED TO BE UNIVERSITY)

Accredited with "A" grade by NAAC

Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai – 600 119

www.sathyabama.ac.in



School of Science and Humanities

Department of Physics

Academic year – 2019-2020

1.3.2 & 1.3.3 – Value Added Programme

Name of the value added courses (with 30 or more contact hours) offered	Course Code (if any)	Year of offering	No. of times offered during the same year	Duration of course	Number of students enrolled in the year	Number of Students completing the course in the year
A Glance into the Field of Robotics	Nil	2020	Once	30 Hrs	40	40
Software for Scientific Data Processing	Nil	2019	Once	30 Hrs	57	57



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Certificate Course on – A Glance into the Field of ROBOTICS- Brochure



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**School of Science and Humanities
Department of Physics**

Organizes

**Certificate Course on – A Glance into the field of
ROBOTICS**

from April 06 to 11, 2020

CHIEF PATRONS
Dr. Mariazeena Johnson
Chancellor

Dr. Marie Johnson
President

PATRON
Dr.T.Sasipraba
Vice Chancellor

Time : 8:00 AM to 2:15 PM
Registration link:
<https://forms.gle/kpTrU8r0Tc4zuzmP8>

Convener
Dr.S.Ravichandran
Head of the Department
Department of Physics

Co-ordinators
Faculties
Department of Physics
School of Science and Humanities



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**SCHOOL OF SCIENCE AND HUMANITIES
DEPARTMENT OF PHYSICS**

Ref: SIST/ PHY/CIRCULAR/08

05th April, 2020

STUDENT'S CIRCULAR

Subject: Certificate Course on – A Glance into the Field of ROBOTICS

This is to inform all UG and PG Physics students that a workshop on ROBOTICS has been organized by Department of Physics from 6-11 April, 2020 in online mode. All students are invited to participate in the programme.

The detailed schedule of the program is available in the brochure (will be circulated shortly in departmental social group).

Registration link: In brochure

Note: Time: 08:00 AM – 02:15 PM

100% attendance is mandatory.

E-certificate will be given at the end of the programme.

Copy to: 1.Vice Chancellor, Pro Vice Chancellor, Registrar and COE

2.Dean - Students affair

Display: Online circulation in departmental social group

Head of Department of Physics

Dr. S.Ravichandran



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Certificate Course on – A Glance into the Field of ROBOTICS – Syllabus

Mode of class: Online

Duration: 30 Hours

COURSE CO-ORDINATOR(S): Faculties of Department of Physics

Pre-Requisite: NIL

Certificate Course on – A Glance into the Field of ROBOTICS – Schedule

Day 1 06.04.2020	Day 2 07.04.2020	Day 3 08.04.2020	Day 4 09.04.2020	Day 5 10.04.2020	Day 6 11.04.2020
Dr. S. Ravichandran 8:00 – 9:00 AM	Dr. C. Rameshkumar 8:00 – 9:00 AM	Dr. P. Malliga 8:00 – 9:00 AM	Dr. Vijai Anand 8:00 – 9:00 AM	Dr. S. Murugesan 8:00 – 9:00 AM	Dr. P. Malliga 8:00 – 9:00 AM
Dr. P. Malliga 9:00 – 10:00 AM	Dr. Vijai Anand 9:00 – 10:00 AM	Dr. S. Murugesan 9:00 – 10:00 AM	Dr. C. Rameshkumar 9:00 – 10:00 AM	Dr. M. Manjula 9:00 – 10:00 AM	Dr. Vijai Anand 9:00 – 10:00 AM
Dr. M. Manjula 10:15-11:15 AM	Dr. P. Malliga 10:15-11:15 AM	Dr. C. Rameshkumar 10:15-11:15 AM	Dr. P. Malliga 10:15-11:15 AM	Dr. Vijai Anand 10:15-11:15 AM	Dr. S. Murugesan 10:15-11:15 AM
Dr. S. Murugesan 11:15-12:15 PM	Dr. S. Murugesan 11:15-12:15 PM	Dr. S. Ravichandran 11:15-12:15 PM	Dr. M. Manjula 11:15-12:15 PM	Dr. C. Rameshkumar 11:15-12:15 PM	Dr. M. Manjula 11:15-12:15 PM
Dr. C. Rameshkumar 01:15-02:15 PM	Dr. S. Ravichandran 01:15-02:15 PM	Dr. Vijai Anand 01:15-02:15 PM	Dr. S. Ravichandran 01:15-02:15 PM	Dr. P. Malliga 01:15-02:15 PM	Dr. S. Ravichandran 01:15-02:15 PM



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Report

On

Certificate Course on – A Glance into the Field of ROBOTICS

Date: 11.04.2020

Venue: Department of Physics

The department of Physics organised a **course on ROBOTICS** during 6-11 April, 2020 to benefit the Under graduate and Post graduate students of Physics. The resource persons were faculty members of Physics department. All the sessions were enriching as it included topics that will maximize their potential and deepen the educational content to a higher level.

The expected learning experience were:

- Research in the field
- Marketing aspects of robotics
- Interdisciplinary studies in medicine

The program was greatly appreciated by the students and ended with a vote of thanks by the department head.

Head of the Department of Physics

Dr. S. Ravichandran



SATHYABAMA

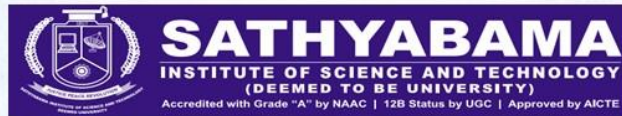
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Certificate of Participation

This is to certify that **MANJULA. K** is awarded for her participation in
"Certificate Course on – A Glance into the field of ROBOTICS" conducted on
06 – 11 April, 2020, organized by the **Department of Physics**, SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY, Chennai, India.

*Co-ordinators
Faculties
Department of Physics
School of Science and Humanities*

**Dr. S. Ravichandran
Prof. and Head
Department of Physics**



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Department of Physics List of Participants

Course on – A Glance into the Field of ROBOTICS

S.No	Name	Class
1	DIVYA SHREE. D	II M.Sc., Physics
2	RAMANUJAM. G	II M.Sc., Physics
3	JANVI ESTHER. E	II M.Sc., Physics
4	LAVANYA. V	II M.Sc., Physics
5	DINESH. R	II M.Sc., Physics
6	PRADHEEPA. K	II M.Sc., Physics
7	DHARANI AMIRTHA METILDA. A	II M.Sc., Physics
8	LOHITHA. T	II M.Sc., Physics
9	GUNACHITRA. T	II M.Sc., Physics
10	RAMALAKSHMI. S	II M.Sc., Physics
11	JAYA KUMARI	II M.Sc., Physics
12	JEEVA VERGIN RAJ. K A	II M.Sc., Physics
13	HELEN. P	II M.Sc., Physics
14	GOPIKA NATH	II M.Sc., Physics
15	GAYATHRI. R	II M.Sc., Physics
16	GOKUL. G	II M.Sc., Physics
17	KEERTHANA. M	II M.Sc., Physics
18	SHIVA POOJA. R	II M.Sc., Physics
19	NITHYA SHRI. C	II M.Sc., Physics
20	BUVANESWARAN. S	II M.Sc., Physics
21	MAHALAKSHMI. D	II M.Sc., Physics
22	ADITYA CHATURVEDI	III B.Sc., Physics
23	ELAKKIYA	III B.Sc., Physics
24	KARTHIKEYAN	III B.Sc., Physics
25	PREM	III B.Sc., Physics
26	SATHIYA M	III B.Sc., Physics
27	SUMUGA K	III B.Sc., Physics
28	THULASINATH	III B.Sc., Physics
29	ADITYA CHATURVEDI	III B.Sc., Physics
30	SRELAKKIYA	III B.Sc., Physics
31	KARTHIKEYA	III B.Sc., Physics
32	PREM S	III B.Sc., Physics
33	SATHIYA	III B.Sc., Physics
34	SUMUGA	III B.Sc., Physics
35	THULASINATH	III B.Sc., Physics
36	ANANTH.D	III B.Sc., Physics
37	HARI PRIYA .K	I MSc., Physics
38	KEERTHIKA .S	I MSc., Physics
39	MONICA .S	I MSc., Physics
40	SABITHA .S	I MSc., Physics



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Programme on Softwares for scientific data processing - Brochure

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**School of Science and Humanities
Department of Physics**
Organizes
Programme on Softwares for scientific data processing
from September 9-14, 2019

CHIEF PATRONS
Dr. Mariazeena Johnson **Dr. Marie Johnson**
Chancellor President

PATRON
Dr.T.Sasipraba
Vice Chancellor

Time : 8:00-2:15 PM
Venue: FIST LAB, Department of Physics

Convener Dr.S.Ravichandran Head of the Department Department of Physics	Co-ordinators Faculties Department of Physics School of Science and Humanities
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**SCHOOL OF SCIENCE AND HUMANITIES
DEPARTMENT OF PHYSICS**

Ref: SIST/ PHY/CIRCULAR/07

07th September, 2019

STUDENT'S CIRCULAR

Subject: Programme on Softwares for scientific data processing

This is to inform all UG and PG Physics students that a programme on Softwares has been organized from 9-14 September, 2019 by Department of Physics. All students are invited to participate in the programme.

The detailed schedule of the program is given below

S. No.	Topic	Dates and venue
1.	Softwares for scientific uses- Python, Origin, Peakfit, Imagej, Parat etc	9-14 September, 2019 FIST lab, Department of Physics

Note: Time: 08:00 AM – 02:15 PM

100% attendance is mandatory.

Certificate will be given at the end of the programme.

Copy to: 1.Vice Chancellor, Pro Vice Chancellor, Registrar and COE

2.Dean - Students affair

Display: All UG and PG Physics classrooms and Physics Lab

Head of Department of Physics

Dr. S.Ravichandran



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Programme on Softwares for scientific data processing – Syllabus

Mode of class: Offline

Duration: 30 Hours

COURSE CO-ORDINATOR(S): Faculties of Department of Physics

Pre-Requisite: Basic computer skills

Programme on Softwares for scientific data processing – Schedule

Day 1 09.09.2019	Day 2 10.09.2019	Day 3 11.09.2019	Day 12.09.2019	Day 5 13.09.2019	Day 6 14.09.2019
Dr. S. Ravichandran 8:00 – 9:00 AM	Dr. C. Rameshkumar 8:00 – 9:00 AM	Dr. D. S. Jayalakshmi 8:00 – 9:00 AM	Dr. Vijai Anand 8:00 – 9:00 AM	Dr. S. Murugesan 8:00 – 9:00 AM	Dr. M. Manjula 8:00 – 9:00 AM
Dr. D. S. Jayalakshmi 9:00 – 10:00 AM	Dr. Vijai Anand 9:00 – 10:00 AM	Dr. S. Murugesan 9:00 – 10:00 AM	Dr. C. Rameshkumar 9:00 – 10:00 AM	Dr. M. Manjula 9:00 – 10:00 AM	Dr. Vijai Anand 9:00 – 10:00 AM
Dr. M. Manjula 10:15-11:15 AM	Dr. D. S. Jayalakshmi 10:15-11:15 AM	Dr. C. Rameshkumar 10:15-11:15 AM	Dr. D. S. Jayalakshmi 10:15-11:15 AM	Dr. Vijai Anand 10:15-11:15 AM	Dr. S. Murugesan 10:15-11:15 AM
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Report

On

Programme on Softwares for scientific data processing

Date: 14.09.2019

Venue: Department of Physics

The department of Physics organised a **programme on softwares** during 9-14 September, 2019 to benefit the Under graduate and Post graduate students of Physics. The resource persons were faculty members of Physics department. All the sessions were enriching as it included topics that will maximize their potential and deepen the educational content to a higher level.

The expected learning experience were:

- Preparation for career in research
- Software developments
- Technological developments in industry

The program was greatly appreciated by the students and ended with a vote of thanks by the department head.

Head of the Department of Physics

Dr. S. Ravichandran



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Certificate of Participation

This is to certify that MANISH KUMAR. M is awarded for his participation in
"Programme on Softwares for scientific data processing" conducted on 09 – 14
September, 2019, organized by the Department of Physics, SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY, Chennai, India.

Co-ordinators
Faculties
Department of Physics
School of Science and Humanities

Dr. S. Ravichandran
Prof. and Head
Department of Physics



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Department of Physics

List of Participants

Programme on Softwares for scientific data processing

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39	MONICA .S	I MSc Physics
40	SABITHA .S	I MSc Physics
41	RAMALAKSHIMI S	I MSc Physics
42	SWETA SAIRAM .K	I MSc Physics
43	JAYAPRIYA .E	I MSc Physics
44	RISHKA .R	I MSc Physics
45	BHARATH SHIRPI THASAN .K.S	I MSc Physics
46	NASREEN BANU .M	I MSc Physics
47	RISHKA .R	I MSc Physics
48	PRIYA .K	I MSc Physics
49	KEERTHIKA N	I MSc Physics
50	MONICA .L	I MSc Physics
51	SABITHA .P	I MSc Physics
52	RAJALAKSHIMI S	I MSc Physics
53	SWETA K	I MSc Physics
54	JAYAPRIYA	I MSc Physics
55	P.ARUL	I MSc Physics
56	PARVATHY S	I MSc Physics
57	PRAVEEN M	I MSc Physics