



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 PHYSICS

3.7.1 – Collaborative Activities

Event: One day Workshop

Organizer: Department of Physics is associate with VEI Technologies Pvt Ltd.

Date: 17- May, 2022



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DEPARTMENT OF PHYSICS

SCHOOL OF SCIENCE AND HUMANITIES



One day Workshop
on
'Robotics'

17-05-22
Tuesday
@11.15 AM





Resource Person
Dr. B. Ezhilavan
Founder & CEO,
VEI TECHNOLOGIES PVT. LTD



ZOOM DETAILS :
Meeting ID: 84189092060 & Passcode: Physics

CHIEF PATRONS
DR.MARIAZEENA JOHNSON, CHANCELLOR
DR.MARIE JOHNSON, PRESIDENT
MR. J. ARUL SELVAN, VICE PRESIDENT,
MS. MARIA BERNADETTE TAMILARASI, VICE PRESIDENT

PATRONS
DR.T.SASIPRABA, VICE CHANCELLOR

ORGANIZER
DR. S. RAVICHANDRAN , PROFESSOR, HOD, PHYSICS

CONVENERS
DR D S JAYALAKSHMI, ASST. PROFESSOR, PHYSICS
DR HELEN MERINA ALBERT, PROFESSOR, PHYSICS



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PowerPoint presentation slide titled "ROBOT" displayed in a Beamer presentation window. The slide features a large orange rectangular area with the word "ROBOT" in white capital letters. The presentation window includes a menu bar (View, Document, Tools, Window, Help), a status bar (1 / 104, 77.9%), and a search bar. On the right side, there is a vertical sidebar with video feeds of participants: PHYSICS, BScPhy 2019-20, and Samina.S.

PowerPoint presentation slide titled "Power Supply" displayed in a Beamer presentation window. The slide shows a block diagram and a detailed circuit diagram of a power supply. The block diagram illustrates the flow from 230 V AC 50 Hz through a 12V step down transformer, a Bridge rectifier, a Filter (470μf), and a 5v Regulator (TO-220) to produce 5V DC. The detailed circuit diagram includes a transformer (0-12V), a bridge rectifier (4x4007), a voltage regulator (7805), a filter capacitor (C11, 470μ), a resistor (R40, 330R), and an LED (D41, LED-RED). The output is labeled (+5V) 40 and GND 20. The presentation window includes a menu bar (FILE, HOME, INSERT, DESIGN, TRANSITIONS, ANIMATIONS, SLIDE SHOW, REVIEW, VIEW), a status bar (444205657), and a sidebar with video feeds of participants: PHYSICS, BScPhy 2019-20, Samina.S, and SARANRAJ.

List of Participants:

Name	Reg.No	B.Sc., / M.Sc.,	
ANANDHI S	41020001	B.Sc.	Present
GOMATHI D	41020002	B.Sc.	Present
HARIS KUMAR N	41020003	B.Sc.	Present
BELLAM HARSH	41020004	B.Sc.	Present
MADHAVI P	41020005	B.Sc.	Present
MANOJ R	41020006	B.Sc.	Present
PANDIMEENA S	41020007	B.Sc.	Present
PREMALATHA N	41020008	B.Sc.	Present
SAMINA S	41020009	B.Sc.	Present
SANJAY S	41020010	B.Sc.	Present
SETH SORENG	41020011	B.Sc.	Present
SHARMILA A	41020012	B.Sc.	Present
SRIVANI V	41020013	B.Sc.	Present
SWATHI BALASUBRAMANIAM	41020014	B.Sc.	Present
TAMILARASI K	41020015	B.Sc.	Present
VIJAYAN B	41020016	B.Sc.	Present

Name	Roll no		
JEMIMA T	21S595001	M.Sc.	Present
JENOLIN SHALOM.S	21S595002	M.Sc.	Present
SUNDARESAN.M	21S595003	M.Sc.	Present
DIVYA . D	21S595004	M.Sc.	Present
THENMOZHI .L	21S595005	M.Sc.	Present
J.KAVITHA	21S595006	M.Sc.	Present
D. SANTHOSH	21S595007	M.Sc.	Present
VENIS MANO. J	21S595008	M.Sc.	Present
RAJESH R	21S595009	M.Sc.	Present
S.SIVARAMA LAKSHMI	21S595010	M.Sc.	Present
V.DHARSHINI	21S595011	M.Sc.	Present
YOGAJOTHISHWARAN M R	21S595012	M.Sc.	Present
S.MANISHA	21S595013	M.Sc.,	Present
KEERTHANA PRIYA G	21S595014	M.Sc.,	Present
ANITHA.A	21S599001	M.Sc.,	Present
SAARWIN S S	21S595015	M.Sc.,	Present
PRIYADHARSHINI. C	21S595016	M.Sc.,	Present
K.SARANYA	21S595017	M.Sc.,	Present
LOKESHWARI G	21S595018	M.Sc.,	Present
DIVYALAKSHMI.S	21S595019	M.Sc.,	Present
STALIN MARIVALAN	21S595020	M.Sc.,	Present
S.VAISHALI	21S595021	M.Sc.,	Present
TAMILARASAN.P	21S595022	M.Sc.,	Present
AUXILIA	21S595024	M.Sc.,	Present
R.R. SRIPRIYA	21S595025	M.Sc.,	Present
NILA. K	21S595026	M.Sc.,	Present



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Department of Physics

School of Science and Humanities

Minutes of Meeting - One day Virtual Workshop on 'Robotics'

Venue: DST - FIST LAB

**Department of Physics organized One day Workshop on 'Robotics' in association with
VEI Technologies on 17th May 2022**

Resource Person: Dr. B.Ezhilavan, Founder & CEO, VEI TECHNOLOGIES PVT. LTD

**Conveners : DR D S JAYALAKSHMI, ASST. PROFESSOR, PHYSICS
DR HELEN MERINA ALBERT, PROFESSOR, PHYSICS**

The agenda of the Program

1. Inaugural Address
2. Invited talk
3. Hands on
4. Vote of thanks.

PROCEEDINGS:

1. The meeting begun with the welcome note by Dr. S. Ravichandran, Head of Department of Physics
2. The presentation is about "Robotics Technologies" delivered by Dr B. Ezhilavan
3. Mini Hands on is conducted for students by using virtual circuitry compounds.
4. The meeting ended with vote of thanks by Dr.D.S.Jayalakshmi, Dept. of Physics
5. Students (I B.Sc., (2021-2024) and I M.Sc., (2021-2023)) are benefitted with basic knowledge about designing part of Robotics.



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SCHOOL OF SCIENCE AND HUMANITIES

DEPARTMENT OF PHYSICS

IN ASSOCIATE WITH

Vi MICROSYSTEMS, CHENNAI

ORGANIZED

Hands on Training Programme on IOT

12th August 2022



SATHYABAMA
Institute of science and technology

Students Hands-on Training Programme on IoT

12 August 2022
Organized by
Department of Physics,
In association with
Vi Microsystems, Chennai

Chief Patrons
Dr. Mariazeena Johnson, Chancellor
Dr. Marie Johnson, President
Mr. J. Arulselvan, Vice President
Ms. Maria Bernadette Tamilarasi,
Vice President

Patron
Dr. T. Sasiprabha, Vice Chancellor

Organizing Committee
Dr. Rekha Chakravarthi, Dean – Arts &
Science
Dr. S. Ravichandran , Head , Physics

Convenors
Dr. P. Malliga & Dr. M. Manjula
Department of Physics

About the Students Training Programme:

The term IoT refers to billions of physical objects connected to the Internet, have the ability to transmit data with other devices and systems over the internet. IoT has made it possible for the physical world to meet the digital world and cooperate with each other. It offers numerous benefits to organizations by enabling them to automate and simplify their daily tasks. The aim of this training programme is to teach the basic understanding of the internet of things which helps transform factories, health care, transportation, distribution centers and farms. The participating students will have a platform to work with the device.



Resource Persons
N. Venkatesan - Deputy Manager
R. Kokila Ragupathi
Engineer – Product Promotion
Mr. Sivabharathi - Technical Engineer
Vi Microsystems, Chennai



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Hands on Training Programme on IOT - List of Participants

LIST OF PARTICIPANTS - 12/8/2022			
STUDENTS HANDS-ON TRAINING PROGRAMME ON IOT			
S.NO	Name	Roll No	Sign.
1.	S. Anandhi	41020001	
2.	D. GOMATHI	41020002	Gomathi D
3.	N. HARIK KUMAR	41020003	Harik K.
4.	B. HARSH	41020004	
5.	P. Madhavi	41020005	P. Madhavi
6.	R. Manoj	41020006	R. Manoj
7.	S. PANDIMEENA	41020007	
8.	N. Prema Lakshmi	41020008	
9.	S. Samina	41020009	S. Samina
10.	B. Saranya	41020010	B. Saranya
11.	Sith Soreng	41020011	Sith Soreng
12.	Sharmila A	41020012	Sharmila A
13.	V. SRIVANI	41020013	V. Srivani
14.	B. SWATHI	41020014	B. Swathi
15.	K. Tamilarasi	41020015	K. Tamilarasi
16.	B. Vijayan	41020016	B. Vijayan



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Report on

Hands on Training Programme on IOT

organized by

Department of Physics

Sathyabama Institute of Science and Technology

in associate with

Vi Microsystems, Chennai

Date: 12th August 2022

No. of Participants – 16

Profile of the audience: II- year B.Sc Physics students.

Objective of the Hands-on Training:

The term IoT refers to billions of physical objects connected to the Internet, have the ability to transmit data with other devices and systems over the internet. IoT has made it possible for the physical world to meet the digital world and cooperate with each other. It offers numerous benefits to organizations by enabling them to automate and simplify their daily tasks. The aim of this training programme is to teach the basic understanding of internet of things which helps transform factories, health care, transportation, distribution centers and farms. The participating students will have a platform to work with the device. It helps our students to familiarize themselves with high-end research instruments and offer an overview of new trends in research and advanced technology in the field IoT. Especially, to gear the students towards trending research activities.

Resource Persons:

N. Venkatesan - Deputy Manager

R. Kokila Ragupathi

Engineer – Product Promotion

Mr. Sivabharathi - Technical Engineer

Vi Microsystems, Chennai

Conveners

Dr. M. Manjula, Assistant Professor/+91- 9843578978

Dr. P. Malliga, Associate Professor/ +91-8144204590

Department of Physics, School of Science and Humanities

Sathyabama Institute of Science and Technology

Chennai-600 119, Tamil Nadu