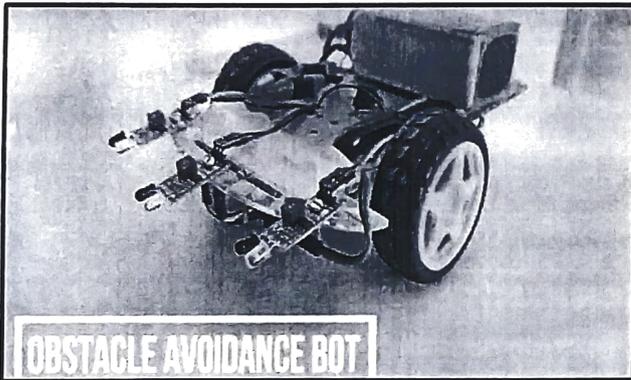


Workshop on Robotics

Exclusively for Diploma Students

Objective:

The objective of the workshop is to make students understand the basics of robotics, interface sensors & motors to the controller, Arduino programming, building an application based mobile robots using Arduino which automatically sense and overcome the obstacles on its path.



The hardware requirements include Arduino Uno with auton shield, motors and IR sensors with a chassis & power supply.

- A team can consist of maximum of 4 members.

Important Note: While registering for the workshop, the participants should submit a registration form signed by HOD / Principal in the prescribed format given overleaf.

Chief Patrons

- **Dr. M. Jagannath Shenoi**
President, GSSS(R), Mysuru.

- **Smt. Vanaja B Pandit**
Hon. Secretary, GSSS(R), Mysuru.

Patrons

- **Sri. R.K. Bharath**
CEO and Management Committee Member
GSSS(R), Mysuru.

- **Dr. Shivakumar.M**
Principal, GSSSIETW, Mysuru.

- **Smt. Anupama B Pandit**
AO, GSSSIETW, Mysuru.

Organizing Chair

- **Sri. M.V.Sreenivas Rao**
Associate Professor & Head
GSSSIETW, Mysuru

Convener

- **Sri. Nagesh.M.S,** Assistant Professor

Organizing Committee

- **Smt. Lalitha K,** Assistant Professor
- **Smt. Sowjanya. M. N,** Assistant Professor
- **Smt. Amrutha.R,** Assistant Professor
- **Kum. Deepika.T.V,** Assistant Professor
- **Kum. Nagalakshmi.T.S,** Assistant Professor
- **Sri. Manjunath.J,** Foreman
- **Sri. Phanindra S,** Instructor
- **Smt. Divyashree. N.J,** Instructor



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(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi & Govt. of Karnataka)

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K.R.S Road, Metagalli Industrial Area,
MYSURU-570016 Karnataka, INDIA

Tel: 0821 4257304/05/06 Fax: 0821-2581305

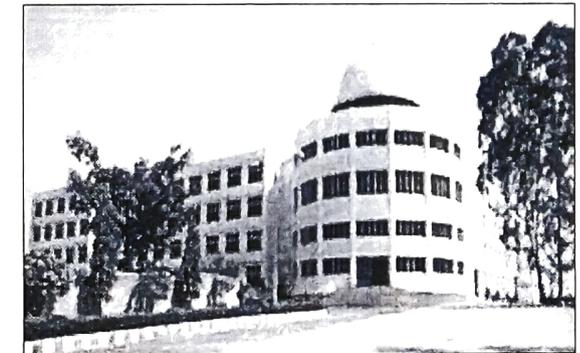
ROBOTEER-2020

Workshop on Robotics (Exclusively for Diploma Students)

On

28th January 2020

Under IQAC



Organized by

Department of Electronics & Instrumentation Engineering

(Formerly Known as Instrumentation Technology, Accredited by NBA)

Validity: 01-07-2017 to 30-06-2020

Visit us at www.geethashishu.in

Geetha Shishu Shikshana Sangha (R)
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MYSURU – 570 016

**Department of Electronics & Instrumentation
Engineering**

(Formerly Known as Instrumentation Technology, Accredited by NBA
Validity: 01-07-2017 to 30-06-2020)

ROBOTEER-2020

Workshop on Robotics

(Exclusively for Diploma Students)

28th January 2020

Registration Form

Name.....

Department.....

College.....

E-mail Id

Mobile No

Amount in Rs.....

Date.....

Payment type

Signature of the Participant:

The above candidate is permitted to participate in
the above programme.

Date:

Place:

Signature of the
HOD / Principal with Seal

ABOUT GSSSIETW:

Geetha Shishu Shikshana Sangha (R) is the outcome of the vision and initiative of Late. Prof. B.S. Pandit, former Professor, SJCE, Mysuru. His vision was to provide quality technical education to girls. Housed in a sprawling campus of 14 acres, established in the year 2003, GSSSIETW has already become one of the reputed Colleges in the state of Karnataka. A fabulous state of art standards with well-ventilated class rooms, departmental laboratories, workshops, library, Edusat, center, Meditation hall, Placement & Training Cell and much more. The institute offers 6 UG programs, 2 M.Tech Programs and MBA all affiliated to VTU Belagavi. The Institution has professional forums like IEEE, ISOI, IETE and CSI. The College also offers Ph.D. programs in ECE, EIE, CSE, EEE, ISE, TCE, Chemistry, Physics, Mathematics and MBA departments.

ABOUT THE DEPARTMENT:

Department of Electronics & Instrumentation Engineering was started in 2006-07 with an intake of 60 students. The department has qualified and dedicated teaching staff & non-teaching staff, striving hard towards the development of the department. The students of the department have secured **11 ranks** so far in the VTU exams. Dept. has established **Robotics Lab** in association with e-yantra of IIT Bombay using a grant of **Rs.30 Lakhs** sanctioned by Vision Group on Science & Technology, Govt. of Karnataka. The department regularly organizes faculty development programs, hands-on workshops, technical talks, industrial visits, conferences, competitions, industry-institute interaction. etc.

About ROBOTEER-2020:

It provides a platform for the students to demonstrate their knowledge and programming skills in Arduino.

Important dates:

Last Date for registration **24/01/2020**
Workshop date **28/01/2020**

Registration Fee:

Rs. 800/- Per Team (Max 4 Members)

- Certificates will be issued for the Participants.
- Lunch will be provided for the participants.

Mode of Payment:

Online Payment/Cash at the time of registration

The registration to be confirmed by sending scanned copy of the registration form duly signed by the HOD / Principal **on or before 24th January 2020** to: roboteer@gsss.edu.in

For queries, please contact:

Mr. Nagesh.M.S

Assistant Professor,
Dept. of E&IE, GSSSIETW.
Mob: 9945292800

Smt. Amrutha R

Assistant Professor,
Dept. of E&IE, GSSSIETW
Mob: 9731250899

Email id: roboteer@gsss.edu.in



Geetha Shishu Shikshana Sangha (R)
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Department of Electronics and Instrumentation Engineering

Instrumentation Technology
Accredited by NBA, New Delhi
(Validity: 01.07.2017 - 30.06.2020)

Ref: GSSSIETW/EIE/2018-19/ 19

Date: 12/12/2019

To,
The Principal,
GSSSIETW, Mysuru

Respected Sir,

Subject: Request for permission to organize One day Workshop on Robotics “ROBOTEER 2020” for Diploma students on 28th January 2020

The Department of Electronics and Instrumentation Engineering would like to organize one day workshop on Robotics “ROBOTEER 2020” on 28th January 2020 for Diploma students at Seminar Hall. The event provides a platform for the students to learn the assembly of Arduino based mobile robot, read sensor data, control motion and simple programming skills.

The registration amount for the robotics event per batch is Rs. 800/-. Each batch consists of Maximum 4 students. About 30 batches of students are expected to participate in the event, the total amount from registration will be Rs 24,000/-.

Expenditure for the conduction of event is as follows:

Sl No	Particulars	Quantity	Amount in Rs
1	9V Batteries (Rs.25/- each)	120 Nos	3,000/-
2	Certificates	130 Nos	1,700/-
3	Inauguration		500/-
4	Brochure/Poster		1,000/-
5	Stationeries (Note pad, Pen, Double sided tape...)		1,000/-
6	Lunch @ Rs.50/- (GST inclusive)	130 Nos	6,500/-
Total			13,700/-

Total Amount in words: **Thirteen Thousand and Seven hundred Rupees Only**

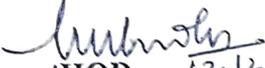
Particulars	Amount in Rs
Amount from Registration (Rs 800/- * 30 teams)	24,000/-
Estimated expenditure for the conduction of the event	13,700/-

TO Registrar
Dr. Srirakumar
12/12/2019

Approximate expenditure to carry out this event is Rs 13,700/-. We kindly request you to permit us to conduct the event. This is for your kind consideration and needful action.

Note:

The registration amount will be utilized to meet the expenses for conduction of the event.


HOD 12.12.19
Head of the Department
DEPARTMENT OF ELECTRONICS &
INSTRUMENTATION ENGINEERING
G S S I E T W
K.R.S. Road, Mysuru-570 016


Principal 12/12/2019
Principal
G S S I E T W Mysore-16



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DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

ROBOTEER - 2020

(Exclusively for Diploma Students)

On 28th January 2020

Programme Schedule

Time	Event
9.30-10.00AM	Registration
10.00-10.15AM	Inauguration
10.15AM-11.15AM	Session on Theory aspects of Line following Robot
11.15AM-1.00PM	Assembly of Line following Robot
1.00-1.45PM	Lunch Break
1.45PM-2.15PM	Visit to Robotics Lab
2.10PM-3.00PM	Demonstration and testing of line following robot on Arena
3.00-3.30PM	Distribution of Certificates



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“ROBOTEER – 2020”

Workshop on “Obstacle avoidance Robot” for Diploma students on 28th
January 2020

FEEDBACK FORM

It is important to get your feedback on today's workshop. If you could take a few minutes to complete the following questions, we would be very thankful. *Please note "your feedback and suggestions are valuable to us."*

	Excellent	Very Good	Good	Acceptable
Registration	✓			
Workshop venue and facilities	✓			
Information provided on the robotics		✓		
Hands on activities	✓			
Overall Workshop	✓			
Catering		✓		
What was the most valuable about the workshop?	Teaching & knowledge about concept.			
What was the least valuable about the workshop?	—			

If you have any other suggestions please indicate the same overleaf. Kindly fill this form and handover to the coordinators.

Thank You

Name: Reshma S & group
College: J.S.S polytechnic
Date: 28/1/2020

Reshma S
Signature



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January 2020

FEEDBACK FORM

It is important to get your feedback on today's workshop. If you could take a few minutes to complete the following questions, we would be very thankful. *Please note "your feedback and suggestions are valuable to us."*

	Excellent	Very Good	Good	Acceptable
Registration			✓	
Workshop venue and facilities		✓		
Information provided on the robotics		✓		
Hands on activities	✓			
Overall Workshop			✓	
Catering		✓		
What was the most valuable about the workshop?	Information & PPT Presentation			
What was the least valuable about the workshop?	less time			

If you have any other suggestions please indicate the same overleaf. Kindly fill this form and handover to the coordinators.

Thank You

Name: Kiran. S
College: Vidya Vikas Polytechnic
Date: 28/01/2020

Signature



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January 2020

FEEDBACK FORM

It is important to get your feedback on today's workshop. If you could take a few minutes to complete the following questions, we would be very thankful. *Please note "your feedback and suggestions are valuable to us."*

	Excellent	Very Good	Good	Acceptable
Registration		✓		
Workshop venue and facilities			✓	
Information provided on the robotics		✓		
Hands on activities		✓		
Overall Workshop		✓		
Catering				✓
What was the most valuable about the workshop?	we have gain a valuable knowledge about Robotics (how to work)			
What was the least valuable about the workshop?	we have learn how to work with software (Arduino Uno) Basics			

If you have any other suggestions please indicate the same overleaf. Kindly fill this form and handover to the coordinators.

Thank You

Name: Rounaq Begum, Harshitha.S, priyanka.S, Shoukhi.R,^{ADHANI} Shesmita

College: D. Banerjee's polytechnic

Date: 28/1/20

Signature

Rounaq Begum



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Department of Electronics and Instrumentation Engineering







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Roboteer-2020

(Exclusively for Diploma Students)

Organized by Department of Electronics and Instrumentation Engineering

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. / Ms.

fromcollege has participated in

Inter college Robotic Event **“ROBOTEER - 2020”**, workshop on Robotics held at GSSSIETW,

Mysuru, under IQAC on **28th January 2020**.

Mr. M.V Sreenivas Rao
Associate Professor, Dept. of E&IE
& Chief Coordinator, Roboteer - 2020

Dr. M. Shivakumar
Principal
GSSSIETW, Mysuru