

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust[®], Udupi)

Accredited by NAAC with 'A' grade | Affiliated to VTU, Belagavi

Approved by AICTE, New Delhi & Recognized by Govt. of Karnataka

Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.



Activity Request form

Academic Year	2019-2020		
Department/Section/ Committee/Cell	Department of Electronics & Communication Engineering / ISTE		
Name of the Activity	Robotics Design Workshop using TIRSLK		
Target Audience	2 nd & 3 rd year ECE students		
Activity Date(s)	3-5 Oct 2019	Time	9:00 - 4:45pm
Venue	Seminar Hall, Admin Block		
Resource Person	Mr. T.S. Balaji & Mr. R. Bharath from Ed Gate Technologies Pvt. Ltd., Bengaluru		

Financial support required from the Institute	NO
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Shashikala R	Phai 11/10/19
Name of the Coordinator	Signature with date
	m. raju 11/10/19
Signature of the HoD (If applicable)	Signature of the ISTE Coordinator

<u>Remarks by IQAC</u>	
May be conducted	
	Signature

<u>Remarks by Principal</u>	
Good. Proceed	
	Signature

Instructions

Coordinators are requested to get the approval from the Principal at least one week before the activity.

Name of the activity:

- Invited Talk, Seminar, Workshop, Competitions
- Placement training programs to Students
- Placement drives
- FDP, EDP, Conference, staff development program
- First year Orientation day, Annual Day, Varnotsava, Graduation day, Sports day, games competitions, Avishkar, IIOT, Project Exhibition, Farewell Program
- Inauguration/Valedictory of Cell/Clubs
- Alumni meet, PTA meet
- College promotional activity, career guidance program

Target Audience (with expected number of participants):

Staff- Teaching or Non-teaching/ department

Students - Only registered students/compulsory

- Student details with class and departments

Resource Person: Name, Designation, Address and contact Number.

Expected expenditure: Includes Honorarium to resource person, TA/DA, Certificates, Food, Banner, Prize money etc.

For the department activity, coordinators are requested to get the approval from the concerned department Heads, and then submit it to IQAC.

IQAC in turn verify the committee perspective plan, activities of the other committees to avoid overlapping of the activities, gives the remarks accordingly and forward the form to the Principal for the approval.

After approval from the Principal, activity shall be conducted.

Activity report with good quality photographs should be sent to the concerned within 2 days of the activity.

Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574 115



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E-mail : ec@sode-edu.in
Website : www.sode-edu.in

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

ACTIVITY REPORT

Academic Year	2019-20
Name of activity	Robotics Design Workshop using TI RSLK
Resource Person	Mr. T.S. Balaji & Mr. R. Bharath from EdGate Technologies Pvt. Ltd., Bengaluru
Date	3-5 Oct 2019
Time	9:00 – 4:45 pm
Venue	Seminar Hall, Admin Block
Target Audience	2nd & 3rd year ECE students
No. of participants	68

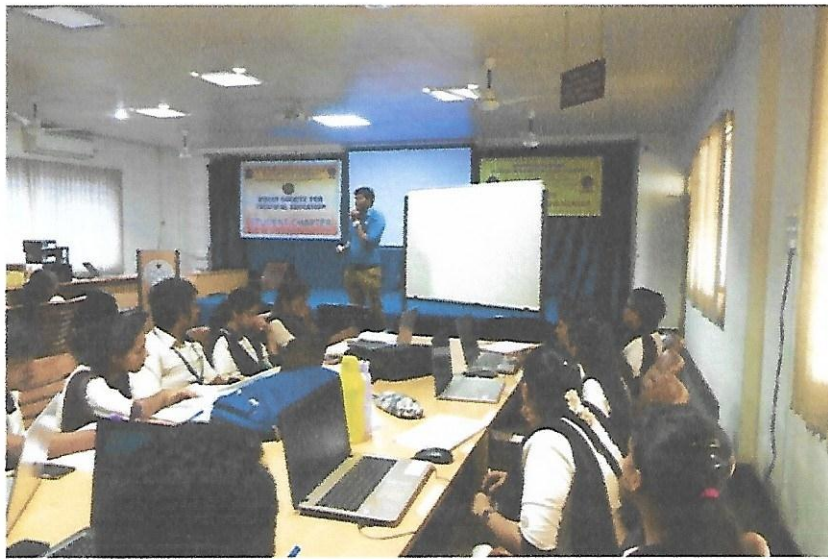
The department of E&C Engineering, in association with ISTE Student Chapter and EdGate Technologies Pvt. Ltd. Bengaluru, organized a three days hands-on workshop on “Robotic design using TI RSLK” from 3 to 5 October 2019 in the institute premises. Sixty eight students participated in this Texas Instruments University certified workshop and enriched their knowledge and skills. Senior Application Engineer Mr. T. S. Balaji and Embedded Systems Engineer Mr. R. Bharath from EdGate conducted the workshop.

The workshop was designed for students who want to sharpen their design and development skills on MSP tools and was based on the advanced development tools from Texas Instruments such as TI-RSLK kit and TI Energia software. During the workshop, the students designed and implemented many applications the robotic kits such as controlling a robotic vehicle using Bluetooth technology, mobile phone, voice commands, neuro senz band, and detection of obstacles using ultrasonic sensor.

Earlier, Associate Professor and Coordinator of the program Mr. Nagaraja Rao welcomed the resource persons and briefed about the objectives of the workshop. Vice Principal Dr. Ganesh Aithal advised the students to make the best use of the workshop and come out with products that are useful to the society. Head of the department Dr. Balachandra Achar proposed the vote of thanks.

Principal

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INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
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Latitude: 13.254725
Longitude:74.785149

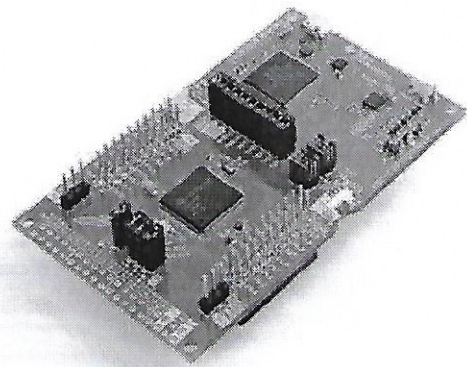
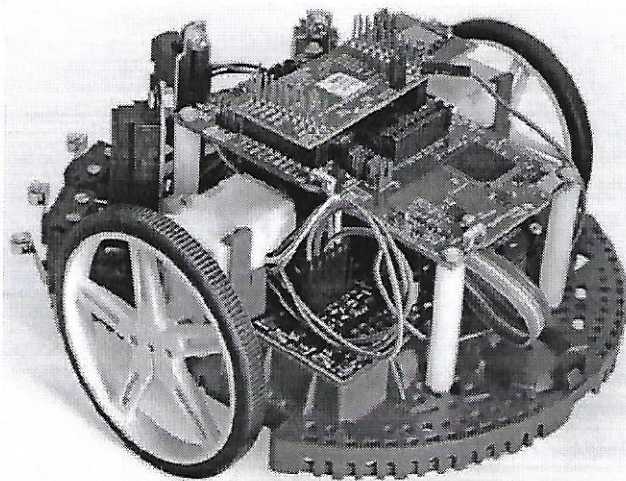
Prasanna
Principal

SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udipi Dist,
BANTAKAL - 574115

ROBOTIC DESIGN WORKSHOP USING TI RSLK

Overview:

This workshop offers a neat introduction on the “Robotic design workshop using TI RSLK” and is based on the advanced development tools from Texas Instruments. The MSP432 LaunchPad and TI RSLK kit offer a complete Robotic design solution. The programming will be done in the Texas Instruments Energia which will simplify the Robotic applications development. So, what will you INNOVATE?



Day	9:30-11:00	11:15-12:45	13:45-15:15	15:30-16:45
1	MSP432 LaunchPad <ul style="list-style-type: none"> ▪ Introduction ▪ Architecture LaunchPad Features	Energia Framework Overview of Energia Lab: Led, switch, UART, ADC, PWM Labs using Energia	TI-RSLK Introduction Introduction to TI-RSLK Brief on Bluetooth Technology	Robotic kit Assembling Lab: Assembling and soldering the components for running the Robot.
2	Mobile Application Lab: Configuring the mobile application to control the robotic vehicle.	Lab: Controlling the RSLK using Mobile application.	Voice Controlled Robot Lab: Controlling the robot using voice commands	Continued.... Lab: Controlling the robot using voice commands
3	Neuro Sens band Lab: Controlling the RSLK using neuro sens band.	Obstacle detection Robot Lab: Interfacing Ultrasonic sensor and printing the sensor values on Serial Monitor	Obstacle detection Robot Lab: Implementing a Robot which will stop when it detects any obstacle.	Assignments and Questions


 Principal
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

25/9/2019

CIRCULAR

Texas Instruments University Program certified 3-day workshop on Robotic System Design with Brain Wave Technology

Department of E&C Engineering, in association with Ed-Gate Technologies Bengaluru is organizing a 3-day hands-on workshop.

Dates: 3 to 5 Oct 2019
Time: 9:00 am - 4:30 pm
Fees: Rs 1,000 per head

This workshop is going to benefit the students in preparing the projects for IIOT and IICDC competitions.

Interested students are required to pay the full amount at the college cash counter and register online by filling the Google Form sent to your college email address. You are also required to show the receipt in the ECE department office for verification.

Last date for registration: **Monday 30 Sep 2019.**

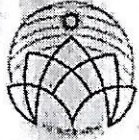
Regards

HOD, ECE

Head
Dept of E&C Engg.
SMVITM, BANTAKAL - 574 115

Principal

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INSTITUTE OF TECHNOLOGY & MANAGEMENT
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SMVITM

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

3 DAYS WORKSHOP ON "ROBOTIC DESIGN WORKSHOP USING TI RSLK"

ATTENDANCE SHEET

Table with columns: SL.NO., USN, NAME, 03-10-2019 (F/N, A/N), 04-10-2019 (F/N, A/N), 05-10-2019 (F/N, A/N). Rows list student names and their attendance for three dates.

S RAO

Principal

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT Vishwothama Nagar, Udupi Dist. BANTAKAL - 574 115

35	4MW17EC073	SURAJ JAYARAM	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
36	4MW17EC074	SUSHMA S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
37	4MW17EC075	SUSHMITHA.M.DEVADIGA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
38	4MW17EC076	SUVIDHA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
39	4MW17EC077	TEJASVINI	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
40	4MW17EC078	TRIPTHI SHETTY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
41	4MW17EC079	VIJETHA			<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
42	4MW17EC082	VINUTHA BHARGAVI	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
43	4MW18EC008	CHAITHRA B R	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
44	4MW18EC024	NIHARIKA B	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
45	4MW18EC040	SHREERAKSHA K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
46	4MW18EC041	SRIVATHSA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
47	4MW18EC048	VIKAS N RAO	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
48	1B	SHREYA S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
49	1B	SURAKSHA S SALIAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
50	1B	PRAJNA S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
51	1B	SUKANYA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
52	1B	SWATHI K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
53	1B	POOJA SHETTIGAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
54	1B	THEJAS S S	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
55	1B	SHREEKUMAR V BHAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
56	1B	SHRUTHA V BHAT	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
57	1B	SHREERAKSHA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
58	1C	YAJNESH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
59	1D	M V VIGNESH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
60	1E	SRINIVAS KAMATH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
61	1E	LOHITH V P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
62	1F	SAKSHI	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
63	1F	SHREESHA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
64	1F	SHWETHA PRABHU	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
65	1F	SHRINIKETH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
66	1F	SUMANTH SHETTIGAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
67	1F	THULASI D J	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
68	1F	RAKSHATH KUMAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
69	4MW17EC059	SHREERAKSHA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
70								

[Signature]

Principal

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Dr. H. V. Balachanddra Achar,
Head, ECE
SMVITM, Bantakal

05 October 2019

M/s EdGate Technologies Pvt Limited
479, 6th main, HMT layout,
Opp BMTC depot, R.T.Nagar,
Bangalore -560032

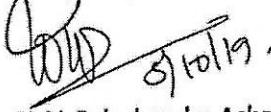
Sub: Student Development program on Robotics Systems Design with Brain Wave Technology

Dear Sir,

On Behalf of Shri Madhwa Vadiraja Institute of Technology and Management, Udupi, I acknowledge that EdGate Technologies Pvt Ltd Bengaluru (Texas Instruments University Program India) has organized 3-Days Student Development program on "Robotics Systems Design with Brain Wave Technology" from 3rd Oct to 5th Oct, 2019 in the department of Electronics and Communication Engineering. The session was conducted by resource persons Mr. Balaji T S & Mr. Bharath R. The Program was attended by 68 students.

We thank you for the same.

Thank You,
With Regards,


Dr. H. V. Balachanddra Achar

Head
Dept of E&C Engg.
SMVITM, BANTAKAL - 574 115


Principal

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