(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 DesignWorkshop using TIRSLK				
Target Audience	2 nd &3rd year ECE students				
Activity Date(s)	3–5 Oct2019	Time	9:00 –4:45pm		
Venue	Seminar Hall, Admin Block	185	- Long Long Long Long Long Long Long Long		
Resource Person	Mr.T.S.Balaji & Mr.R.Bharath from Ed GateTechnologies Pvt.Ltd., Bengaluru				

Financial support required from the Institute	NO
Shashikala R Name of the Coordinator	How 1/10/19 Signature with date
Signature of the HoD (If applicable)	(M. 14) 1/10/19 Signature of the ISTE Coordinator

Remarks by Principal

Good. Proceed

Signature

Principal Signature

SHRI MADHWA VADIRAJA
WSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist. :

BANTAKAL - 574 115

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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Mobile: 74830 31199 : 0820-2589184 Fax E-mail: ec@sode-edu.in

Website: www.sode-edu.in

Phone: 0820-2589182/183

Vishwothamanagar, Bantakal - 574 115, Udupi, Karnataka, India

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







Latitude: 13.254725 Longitude:74.785149

Principal
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
Vishwothama Nagar, Udupi Dist.
BANTAKAL - 574115

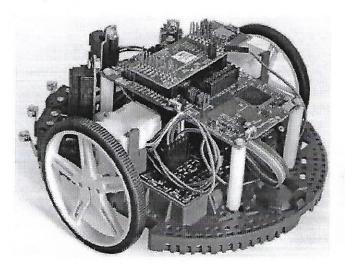


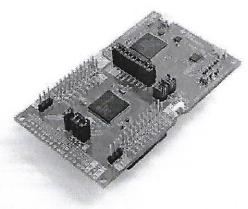


ROBOTIC DESIGN WORKSHOP USING TI RSLK

Overview:

This workshop offers a neat introduction on the "Robotic design workshop using TIRSLK" and is based on the advanced development tools from Texas Instruments. The MSP432 LaunchPad and TIRSLK 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	1 <mark>5:30-16:4</mark> 5		
MSP432 LaunchPad 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	Neeuro Senz band Lab: Controlling the RSLK using neeuro senz 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

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Vishwothama Nagar, Bantakal – 574 115, Udupi, Karnataka, India

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. SMVITA, BANTAKAL - 574 115 Principal

SHRI MADHWA VADIRAJA
IMSTITUTE OF TECHNOLOGY & MANAGEMEN:
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

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

ATTENDANCE SHEET

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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. Balachandra Achar

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

SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY & MANAGEMENT Vishwothama Nagar, Udupi Dist.

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