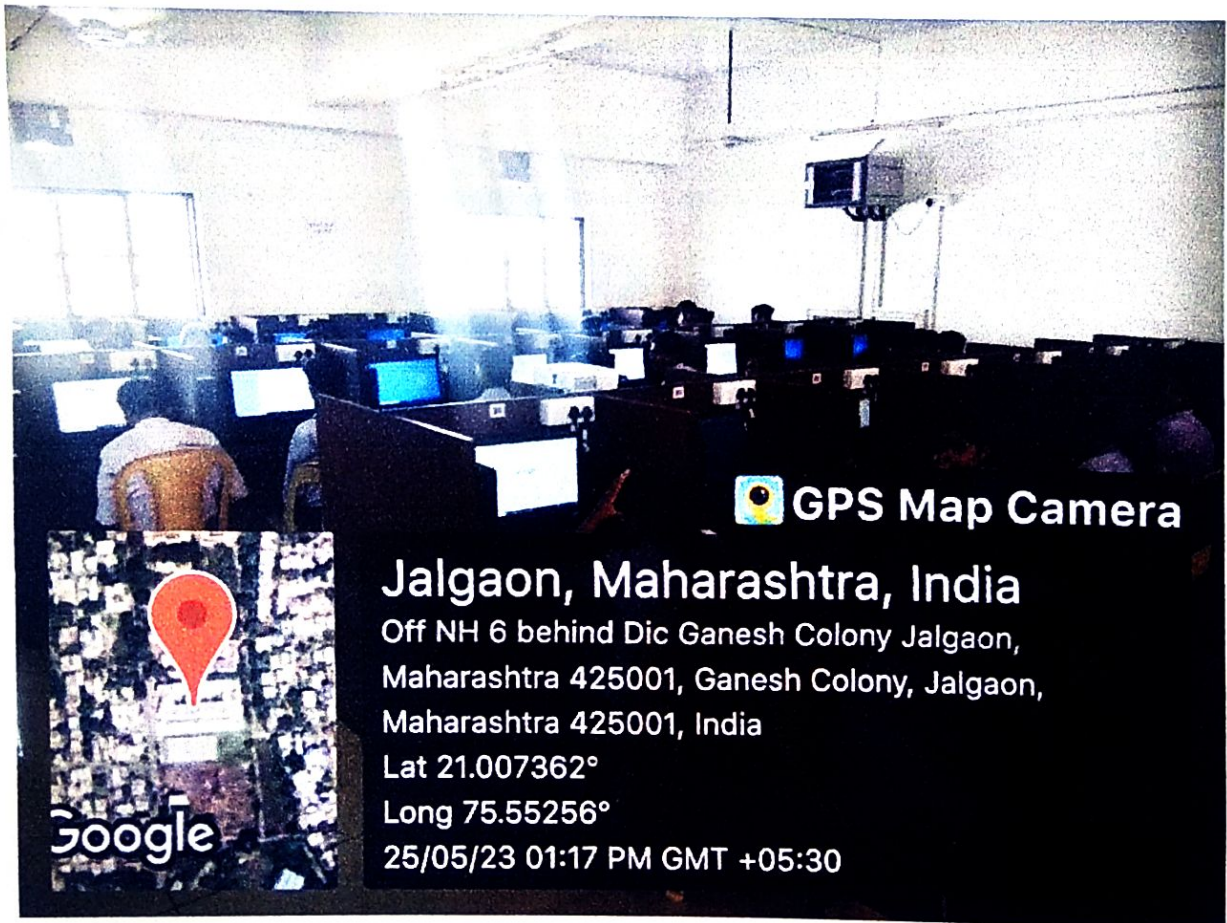**Name of The Activity : Workshop on Arduino for SY, TY and Final Year B. Tech Electrical Engineering Students.**

Category of activity	Curricular		Sub-category: Workshop
In collaboration (if yes, specify details)	Spoken Tutorial, IIT Bombay		
Date/ Time and Duration	25th May 2023 to 30th May 2023 30 hours	No of Participants:	207
Participants profile:	Students		Others participants:
Location of activity	Lab No 004 New Building, KCES COEM Jalgaon		
Name of Co-ordinator (S)	1. Mr. R. V. Patil 2. Mr. S. M. Nath		
Guest/ Experts with designation (If any)			
Objectives for conducting activity	- To know how to use arduino application. - To get the information about different components used in arduino application. - To get the knowledge about programming used in arduino application. - To understand interfacing of arduino with AVR-GCC programming.		
Methodology	Through Online Video Lectures		
Out Comes	- Participants will able to get the knowledge about arduino application. - Participants will Learn the basics of electronics, including reading schematics (Electronics diagrams) - Participants will Learn how to prototype circuits with a breadboard. - Participants will Learn the Arduino programming language and IDE. - Participants will learn Program with basic Arduino examples. - Participants will learn Prototype circuits and connect them to the Arduino.		

Geo-taggedPhotographs:

GPS Map Camera

Jalgaon, Maharashtra, India
Off NH 6 behind Dic Ganesh Colony Jalgaon,
Maharashtra 425001, Ganesh Colony, Jalgaon,
Maharashtra 425001, India
Lat 21.007386°
Long 75.552614°
25/05/23 01:13 PM GMT +05:30

GPS Map Camera

Jalgaon, Maharashtra, India
Off NH 6 behind Dic Ganesh Colony Jalgaon,
Maharashtra 425001, Ganesh Colony, Jalgaon,
Maharashtra 425001, India
Lat 21.007362°
Long 75.55256°
25/05/23 01:17 PM GMT +05:30

GPS Map Camera

Jalgaon, Maharashtra, India
IMR Road chaitanya Nagar 4 Utkarsh plaza, Ganesh
Colony, Jalgaon, Maharashtra 425001, India
Lat 21.00746°
Long 75.552504°
26/05/23 01:14 PM GMT +05:30
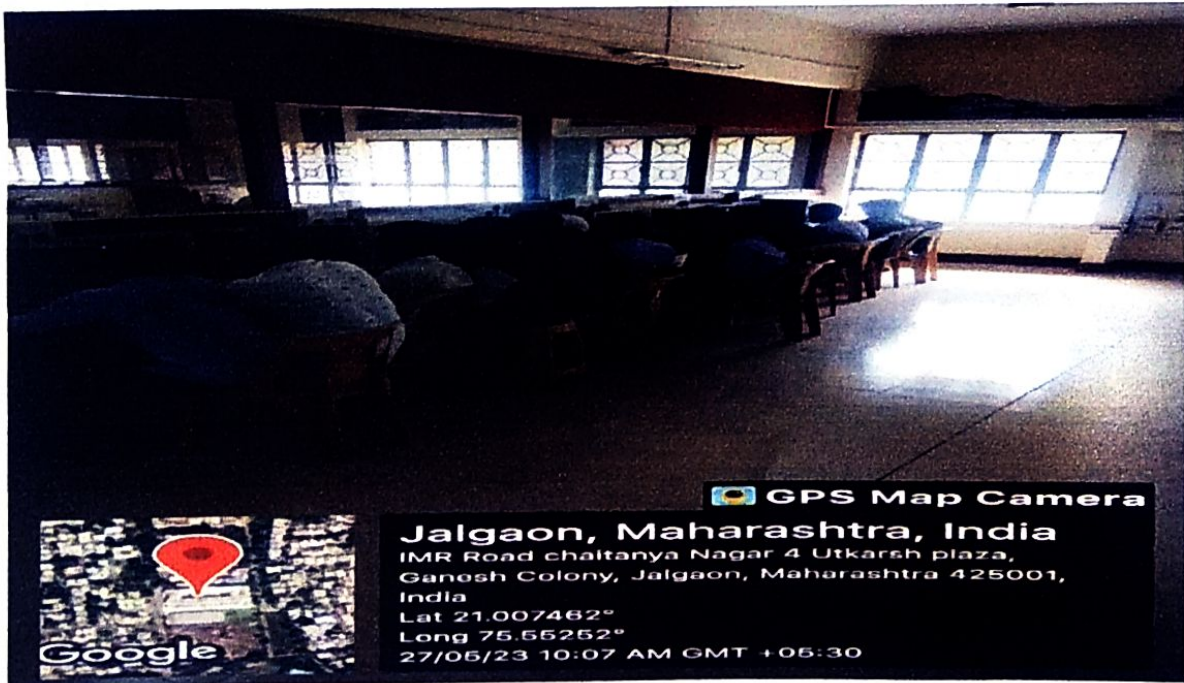
GPS Map Camera

Jalgaon, Maharashtra, India
IMR Road chaitanya Nagar 4 Utkarsh plaza,
Ganesh Colony, Jalgaon, Maharashtra 425001,
India
Lat 21.007462°
Long 75.55252°
27/05/23 10:07 AM GMT +05:30

Coordinator	IQAC Coordinator	Principal
		PRINCIPAL K.C.E. SOCIETY'S COLLEGE OF ENGG & MANAGEMENT, JALGAON

News cutting:

केसीई अभियांत्रिकीत 'ऑर्डिनो'वर कार्यशाळा

जळगाव : के. सी. ई. अभियांत्रिकी आणि व्यवस्थापन महाविद्यालयात स्पोकन ट्यूटोरियल आयआयटी बॉम्बे यांच्यातर्फे 'ऑर्डिनो' या विषयावर आधारित विद्यार्थ्यांसाठी कार्यशाळा नुकतीच सुरू झाली. ३० मेपर्यंत ती सुरू राहील. विद्यार्थ्यांसाठी ऑर्डिनो ही जगातील सर्वात लोकप्रिय आणि सर्वाधिक वापरली जाणारी सॉफ्टवेअर प्रणाली आहे. ऑर्डिनो सॉफ्टवेअरचा उपयोग हा प्रोजेक्टमध्ये कोडींग प्रणाली वापरण्यासाठी होतो. ऑटोमेशन सिस्टिममध्येसुद्धा आर्डिनोप्रणाली मोठ्या प्रमाणात वापरली जाते. आर्डिनो सॉफ्टवेअरचा उपयोग करून विद्यार्थ्यांना उपयुक्त असे अनेक संशोधनपर प्रकल्प तयार करता येतात, असे मनोगत प्रा. संजय दहाड यांनी व्यक्त केले. प्राचार्य प्रा. डॉ. संजय सुगंधी म्हणाले, की यामुळे विद्यार्थ्यांना नवनवीन संशोधन प्रकल्प करण्यात मदत होईल. याबाबतची अधिक माहिती महाविद्यालयाच्या www.coem.kces.in या संकेतस्थळावर उपलब्ध आहे. प्रा. डॉ. प्रज्ञा विखार, प्रा. प्रसाद कुलकर्णी सहकार्य करीत आहेत. प्रा. राजेश वाघुळदे यांनी सूत्रसंचालन केले.

केसीई अभियांत्रिकीमध्ये कार्यशाळा

लोकमत न्यूज नेटवर्क

जळगाव : केसीई अभियांत्रिकी आणि व्यवस्थापन महाविद्यालयात ऑर्डिनो सॉफ्टवेअर प्रणालीवर विषयावर विद्यार्थ्यांसाठी कार्यशाळा झाली. या कार्यक्रमासाठी प्रा. डॉ. संजय सुगंधी, प्रा. संजय दहाड, प्रा. डॉ. प्रज्ञा विखार, प्रा. प्रसाद कुलकर्णी यांचे सहकार्य लाभले. प्रा. राजेश वाघुळदे यांनी कार्यक्रमाचे सूत्रसंचालन केले. एफओएसएस सेंटरचे को-ऑर्डिनेटर प्रा. अविनाश सूर्यवंशी, वर्कशॉप को-ऑर्डिनेटर प्रा. राहुल पाटील यांनी ऑनलाइन कार्यशाळेचे व्यवस्थापन केले.

Translated news (in English):

K. C. E. S's COEM, Jalgaon has organized workshop on Arduino for SY, TY and Final year B. Tech Electrical students from 25th May to 30th May 2023

Department of Electrical Engineering at KCES's College of Engineering and Management, Jalgaon has organized workshop on Arduino for SY, TY and Final year B. Tech Electrical students. This workshop was held from 25/05/2023 to 30/05/2023. A total of 207 students participated in this workshop. Arduino is very useful software currently used in projects said by Honable Principal Dr. Sanjay Sugandhi sir. Under the guidance of Principal Dr. Sanjay Sugandhi, Prof. Sanjay Dahad, Head of Electrical Department Prof. Prasad Kulkarni Program Coordinator Prof. Rahul Patil has organized this workshop. For success of this workshop Prof. Rajesh Waghulde, Prof. Pravin Bhangale and Prof. Ashwini Patil's had given their support.

Coordinator

IQAC
Coordinator

Principal
PRINCIPAL
K.C.E. SOCIETY'S
COLLEGE OF ENGG &
MANAGEMENT,JALGAON

office order

Date: 22/05/2023

To,

Prof. Sachin M. Nath,

Dept. of Electrical Engineering

It is to inform you that you are appointed as Coordinator for student development program which is scheduled from 25/05/2023 to 30/05/2023, so contact to the spoken tutorial coordinator Mr. Rahul V. Patil to know your role and responsibility.

HOD

Prof. P. D. Kulkarni

PRINCIPAL

Dr. Sanjay R. Sugandhii
PRINCIPAL
K.C.E.SOCIETY'S
COLLEGE OF ENGG. &
MANAGEMENT,JALGAON

Jalgaon
425001

Invigilator office order

Date:27/05/2023

To,

Prof. Rahul V. Patil,

Dept. of Electrical Engineering

It is to inform you that you are appointed as Invigilator for Online Examination of Spoken tutorial BIIT Bombay, details of examination as follow.

Sr. No.	Name Of Software/Course	Date of Examination	No. of Students
1	Arduino	31/05/2023	207

Along with:

1. Instruction for Invigilator

Coordinator
Prof. A. Y. Suryavanshi

PRINCIPAL
Dr. Sanjay R. Sugandhi
PRINCIPAL
K.C.E.SOCIETY'S
COLLEGE OF ENGG. &
MANAGEMENT.JALGAON

DATE: 24/05/2023

Schedule for Arduino Workshop

Sr.no.	Date	Session	Time	Topic
Day 1	25/05/2023	I	09.00AM-11.00AM	Overview of Arduino
		II	11.00AM-01.00PM	Electronic components and connections, Introduction to Arduino
		III	02.00PM-04.00PM	Arduino components and IDE, First Arduino Program
Day 2	26/05/2023	I	09.00AM-11.00AM	Arduino with tricolor LED and push button
		II	11.00AM-01.00PM	Arduino with LCD, Display counter using Arduino
		III	02.00PM-04.00PM	Seven segment display, Pulse width modulation
Day 3	27/05/2023	I	09.00AM-11.00AM	Analog to digital conversion
		II	11.00AM-01.00PM	Wireless connectivity to arduino
		III	02.00PM-04.00PM	Assembly of Robot, Robot control using Bluetooth

Day 4	28/05/2023	I	09.00AM-11.00AM	Assembly programming through arduino
		II	11.00AM-01.00PM	Digital logic design with arduino
		III	02.00PM-04.00PM	AVR-GCC programming through arduino, Interfacing with AVR-GCC programming
Day 5	29/05/2023	I	09.00AM-11.00AM	Mixing Assembly and C Programming
		II	11.00AM-01.00PM	Getting ready for Arduino FLOSS
		III	02.00PM-04.00PM	Arduino programming with Scilab and Xcos
Day 6	30/05/2023	I	09.00AM-11.00AM	Arduino programming with Python
		II	11.00AM-01.00PM	Arduino programming with Julia
		III	02.00PM-04.00PM	Arduino programming with open Modelica

Coordinator

Prof. R. V. Patil

HOD

Prof. P. D. Kulkarni

DATE: 19/05/2023

<u>**Important Notice**</u>

All the students of SE, TE and B. Tech Electrical Engineering are hereby inform that one week online student development program is arranged by the Electrical Engineering department in association with Spoken tutorial IIT Bombay on **Arduino** from 25/05/2023 to 30/05/2023 , so it is compulsory to all the students to attend program.

Coordinator
Mr. Rahul V. Patil

HOD
Prof. P. D. Kulkarni

Date- 17/05/2023

To,

Spoken tutorial Co-ordinator

KCES COEM,

Jalgaon

      Subject- Conduct one week workshop for SE, TE, B.Tech Electrical Engineering students of academic year 2022-2023.

Respected Sir,

      I am Mr. Rahul V. Patil faculty of Electrical Engineering department inform you that our department have conduct one week workshop on 'Arduino' for SE, TE, B.Tech students from 22nd May to 27th May 2023. All formalities have already discussed with Head of Department of Electrical Engg.

Please do needful.

Thank You,

17/05/23

Mr. Rahul V. Patil

Department of Electrical Engineering

Spoken Tutorial co-ordinator

H. O. D

Department of Electrical Engineering