

**NATIONAL WORKSHOP
ON
“EMBEDDED SYSTEM USING ARDUINO”
23rd & 24th FEB-2018**

In Collaboration with



**INSTITUTION OF ENGINEERS(INDIA)
&
ISTE, REC CHAPTER & STUDENT CHAPTER**

Organized by

**DEPARTMENT OF
ELECTRONICS & COMMUNICATION
ENGINEERING
&
ELECTRICAL & ELECTRONICS
ENGINEERING /
ELECTRICAL ENGINEERING**

**RAAJDHANI ENGINEERING COLLEGE
BHUBANESWAR**

REGISTRATION FORM

Name of Participant (s): _____

Designation: _____

Organization: _____

Address for Communication _____

Phone: _____

E-mail: _____

Registration fee paid _____

D.D. No & Date _____

DD drawn in favour of Raajdhani Engineering College
payable at Bhubaneswar.

(If paid by cash) Receipt No _____

Accommodation required(Yes/NO)

Date

Full Signature of the Participant

Patrons:

CA. B. Ramprasad, Chairman, REC
Prof. M. K. Palo, Vice Chairman, REC
Prof. (Dr) S. C. Panda, Secretary, REC
Prof. G. S. Mishra, Director, REC
Prof. R. Choudhury, Director, REC

Chairman:

Prof. (Dr.) Bimal Sarangi
Principal, REC, Bhubaneswar

Convener:

Prof. S.Panda
Head Of Dept., ECE, REC, Bhubaneswar
Prof. D.P. Mohanty
Head of Dept, EE/EEE, REC, Bhubaneswar

Co-Convener:

Prof. K. Shradha
Dept. of ECE, REC, Bhubaneswar
Prof. Ansuman Bhuyan
Dept. of EE/EEE, REC, Bhubaneswar

Organizing Secretary:

Prof. Abhishek Das
Dept. of ECE, REC, Bhubaneswar
Prof. Subrat Bhol
Dept. of EE/EEE, REC, Bhubaneswar

Executive Members:

Prof. R.K Samantaray
Prof. J. R. Behera
Prof. B. Pradhan
Prof. D. Mishra
Prof. P. Mallick
Prof. S.R. Panda

Advisory Committee:

Prof. (Dr.) S.C. Panigrahi, Dean, R&D, REC, BBSR
Prof. (Dr.) K. Mohapatra, HOD, MECH, REC, BBSR
Prof. S.R. Raheman, I/C, Diploma, REC, BBSR
Prof. U. K. Jena, HOD, CSE, REC, BBSR
Prof. MD.A. Ansari, HOD, CIVIL REC, BBSR
Prof. P. K. Pati, HOD, MBA, REC BBSR
Prof. S.S. Satapathy, HOD, BSc, REC BBSR

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ISTE, REC CHAPTER & STUDENT CHAPTER
RAAJDHANI ENGINEERING COLLEGE
NEAR MANCHESWAR RAILWAY STATION,
PO- MANCHESWAR, RAILWAY COLONY,
BHUBANESWAR-751017(ODISHA)**

PH- 0674-2586260, 2586240, FAX-0674-2580317

E-mail- rec.wrksnp18@gmail.com

Vist us- www.rec.ac.in

**Accepted Papers will be published in
IJCRT(UGC approved)**

INTRODUCTION

ECE,EE,EEE department of Raajdhani Engineering College, Bhubaneswar organizes a national workshop on “**EMBEDED SYSTEM USING ARDUINO**”. Workshop is organized to encourage and strengthen the students /researchers /academicians /practice engineers towards the proactive engagement in industries in view of innovation and staying ahead of the learning curve.

OBJECTIVES

The participants will be able to understand the basic procedure to work with Arduino hardware and software. They will be able to write programs to control things like lights, motors etc. Training emphasis will be given on live working projects.

PARTICIPANTS

Students and persons from Research organizations and Industries and Faculty members from technical institutions are encouraged to participate.

Invited speakers from industry and academia will deliver talks in the relevant areas.

Following Dignitaries having vast experience & knowledge have consented to share their expertise in the workshop.
Er. Prasant Kumar Roy ,Senior SDE,BSNL,BBSR
Er. Gautam Sahu, SDE ,BSNL,BBSR
Er. Debashish Parida , Director ,Emtronic Technology
Er Abhijit Pattnaik, Project Head, Emtronic Technology

TOPICS OF WORKSHOP

Day 1

- i) Arduino board Layout & Architecture.
- ii) Programming fundamentals
- iii) Interfacing Sensors with Arduino
- iv) Project: Interfacing Sensors and Reading environmental physical values.

Day 2

- i) Introduction to BLINK
- ii) Connecting Arduino with Mobile Device
- iii) Project : Reading environmental values on Android Smartphone.

SUB TOPICS FOR PAPER PUBLICATION :

- i) Application of EMBEDDED SYSTEM USING ARDUINO in various field.
- ii) Embedded networking & computing
- iii) Embedded system in transmission system & wireless networking.

CALL FOR PAPERS

All the accepted papers will be published in the workshop proceedings and some selected papers will be published in UGC approved **International Journal of Creative Research Thoughts (IJCRT)**. The submitted paper must be in the format of IJCRT(www.ijcrt.org/pubGuide.php). Authors are required to submit the paper to the organizing secretary via mail at rec.wrksph18@gmail.com.

Important Dates

Paper Submission : **29th Jan, 2018**
Intimation about acceptance : **2nd Feb, 2018**
Registration & Payment : **5th Feb, 2018**

SCHEDULE OF THE EVENTS

23rd FEB, 2018

9.00 A.M. to 10.00 A.M.: Registration of participants
10.00 A.M. to 11.00 A.M.: Inaugural session
11.00 A.M. to 11.30 A.M.: HIGH-Tea Break
11.30 A.M. to 1.30 P.M.: Paper Presentation
1.30 P.M. to 2.30 P.M.: Lunch Break
2.30 P.M. to 5 P.M.: Technical Session- I

24TH , FEB 2018

9.00 A. M. to 11.00 A.M.: Technical Session- II
11.00 A. M. to 11.30 A. M.: Tea
11.30 A. M. to 1.30 P.M.: Technical Session III
1.30 P. M. to 2.30 P. M.: Lunch Break
2.30 P.M to 4.00 P.M: Technical Session IV
4.00PM to 5.00 PM : Validation

REGISTRATION

| | |
|------------------------|-------------|
| Students Participants | : Rs.500/- |
| Faculty Participants | : Rs.1000/- |
| Research scholar | : Rs.1000/- |
| Professionals/Industry | : Rs.2000/- |
| Paper publication | : Rs.1000/- |

The participants are requested to send the Registration Form duly filled in along with registration fee through Demand Draft in favour of Raajdhani Engineering College payable at Bhubaneswar latest by 29th JANUARY 2018. The participants can also register on the same date.

Workshop Date: 23rd & 24th FEB-2018
Last date of Registration 29th JANUARY 2018

ADDRESS FOR COMMUNICATION

RAAJDHANI ENGINEERING COLLEGE

Near Mancheswar Railway Station ,
P.O- Mancheswar Railway Colony,
Bhubaneswar-751017(Odisha)
Ph-(0674) 2586260, 2586240 ,Fax – (0674) 2580317,
E-mail- rec.wrksph18@gmail.com
Visit us - www.rec.ac.in

Contact Person:

Prof.Abhishek Das

(Organizing Secretary)

Mob-+9437832319

Prof. Subrat Bhol

(Organizing Secretary)

Mob-+9040440279

ACCOMMODATION

Accommodation can be arranged in Hotels/Guest Houses as per availability on payment basis, for which the organizers shall provide necessary assistance if informed well in advance.

ABOUT THE INSTITUTION & LOCATION

Raajdhani Engineering College, Bhubaneswar was established in the year of 2006 and is one of the pioneer technical institutions in eastern India approved by AICTE, Govt. of India & affiliated to BPUT, Odisha .The college is accredited by NAAC and approved by DST, Govt. of India as SIRO Presently the College offers 4 years B.Tech degree courses in CSE, ECE,EE, EEE, ME, CIVIL and 3 year DIPLOMA course in Civil & Mechanical Engg. and Master degree programme in MCA, MBA and M.Tech in Communication Engg , Power System Engg. , Production Engg & Structural Engg. & Computer Sc. Engg with a total intake of more than 2000 students per year.

