

Two days workshop
on
Introduction to Robotics and Embedded Systems
Organised by:
e-Yantra Team SKIT, Jaipur
(22- 23 December, 2016)



Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur



Welcomes You
to

Two Days Workshop
on

"INTRODUCTION TO ROBOTICS"

22nd & 23rd December, 2016

Organized By:

eYantra

IIT Bombay







Pallav Rawal <pallav@skit.ac.in>

IIT Bombay - e-Yantra Lab Setup Initiative (eLSI): Invitation to Attend the Two Day Workshop at Swami Keshvanand Institute of Technology, Jaipur, Rajasthan on 22nd & 23rd December, 2016

e-Yantra Support <support@e-yantra.org>

To: gwp_udaipur@yahoo.com, ietalwar@ietalwar.com, info.lnmiit@lnmiit.ac.in, "I.K. Bhat" <director@mnit.ac.in>, skverma@pilani.bits-pilani.ac.in, principal@ecajmer.ac.in, principal@gits.ac.in, info@gits.ac.in, Jaiprakash Bhamu <bhamujp@gmail.com>, principal@ecb.ac.in, principal@skit.ac.in, ait-ajmer@rediffmail.com, info@aryacollege.org, ssgok1@gmail.com, Director Lnmiit <director@lnmiit.ac.in>, manojkumar@lnmiit.ac.in, sharavan.jhaharia@jaipur.manipal.edu, Anu Gupta <anug@pilani.bits-pilani.ac.in>, aksarkar@pilani.bits-pilani.ac.in, snjece@gmail.com, admin@sbss.ac.in, admission@aryacollege.org, info@jnujaipur.ac.in, seedlingacademy@hotmail.com, info@regional-college.com, info@anandice.ac.in, macercjaipur@gmail.com, info@poornima.org, info@siitjaipur.org, admissionatmgce@gmail.com, info@shankaratechnology.org, info@vitj.ac.in, adm@ciitm.org, admin@jnit.org, smcet@smcet.in, info@maietjaipur.com, info@yitjpr.com, inquiry@bmitjaipur.org, tpo@aryacollege.in, vgiet2012@gmail.com, info@sbnitm.com, support@gitjaipur.com, principal@rietjaipur.ac.in, registraroffice@mygyanvihar.com, info@stwilfred.com, info@apexedu.org, info@sktc.ac.in, jeckukas@yahoo.com, info@jitjaipur.com, info@jecrcmail.com, info@kautilya.net, mgijaipur@gmail.com, chanakyaajaipur@gmail.com, chanakyaengineering@yahoo.co.in, info@adved.org, info@apexcollege.in, director <director@biyanicolleges.org>, admin@aayojan.edu.in, ait_ajmer@rediffmail.com, gecbanswara banswara <principalgecbanswara@gmail.com>, arvindbecs@gmail.com, vkagrawal@shikshasetu.com, mitrcindia@gmail.com, vcetbundi08@yahoo.com, siethmo@gmail.com, gitsmrp@gmail.com, sditcollege@gmail.com, vishnu goyal <vishnugoyal1968@gmail.com>, jeetendra.godara@gmail.com
Cc: Krishna Lala <krishna.lala@e-yantra.org>, praveen saraswat <saraswat_54@yahoo.com>, pallav@skit.ac.in, e-Yantra Support <support@e-yantra.org>

Thu, Dec 1, 2016 at 3:56 PM

Respected Sir/Madam,

Greetings from e-Yantra!

We would like to invite you to the 2-day workshop on "Introduction to Robotics" through the e-Yantra Lab Setup Initiative (eLSI).

To know more about this exciting initiative, you may view our video : eLSI - Overview

The dates and venue are given below:

Date : 22nd & 23rd December, 2016 (Thursday & Friday)

Venue : Swami Keshvanand Institute Of Technology, Jaipur, Rajasthan - 302017

Coordinator : Pallav Rawal, Assistant Professor, Electronics and Communication Department

Contact Number : 09887487953 / 09413287953
e-mail : prawal87@gmail.com

There is no registration fee to participate in the workshop.

The registrations for the workshop are on the First Come First Serve (FCFS) basis. Kindly contact the Coordinator to confirm your participation for the workshop before December 15th, 2016.

There are some colleges who have given the Letter of Intent (LoI). Such colleges are all confirmed to attend the workshop.

12/8/2016 8:58 AM

Swami Keshvanand Institute of Technology, Management and Gramothan,
Jaipur

e-Yantra Workshop

NOTE

Date: 08/12/16

e-Yantra team, SKIT is going to conduct a Two day workshop on "Introduction to Robotics and Embedded Systems" for teacher's team from other colleges, on 22nd - 23rd December, 2016 under e-Yantra project of MHRD with IIT Bombay.

Hence, the following venues are required for smoothly conduction of workshop:

1. IAI lab (Deptt of IT, 3rd floor): for both days (8:00AM to 6:00 PM)
2. J.C. Bose seminar hall: On 22nd Dec at 8:00AM- 12:00 ~~noon~~
3. Waiting room near J.C. Bose seminar hall for refreshment on 22nd Dec at ~~8:00AM to 12:00PM~~

Kindly grant us permission to access above mentioned venues for conducting workshop on 22 and 23 December 2016.

Attached: 1. Copy of e-mail received

HOD IT

IAI Lab.
Pl. make available for the
workshop. S. L. Sharma
9/12/16

Ung
8/12/16
Coordinator
Pallav Rawal
Asst. Prof. ECE

SKIT
9/12/16
HOD ECE

Shri Chaman Singh

F.N.A. for Seminar hall & adjoining
Hall.
S. L. Sharma
9/12/16

Swami Keshvanand Institute of Technology, Management and Gramothan,
Jaipur

e-Yantra Workshop

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(A)

Three project engineers will be come from e-Yantra (IIT Bombay) for conducting the workshop. The following need to be arranged by us:

1. Transportation (Car) from and to airport/railway station: 21st Dec and 23rd Dec, 2016.
2. Accommodation at SKIT guest house and food for them from 21st Dec (morning) to 23rd Dec, 2016 (evening).

All expenses for the e-Yantra team will be borne by the e-Yantra project.

(B)

We also require canteen and mess facility for tea and lunch of all participants on payment basis on 22nd - 23rd December, 2016.

Kindly grant us permission.

Uma
8/12/16
Coordinator
Pallav Rawal
Asst. Prof. ECE

SAB
9/12/16
HOD ECE

Shri Pradeepji
F.N.A.
S. L. Sinha
9/12/16

21/12
Noted and
Please do the
necessary arrangements.

Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur

e-Yantra Workshop

Report

e-Yantra team, SKIT has conducted a Two day workshop on "**Introduction to Robotics and Embedded Systems**" for teacher's team from other colleges, on **22nd - 23rd December, 2016** under e-Yantra project of MHRD with IIT Bombay. Three project engineers Mr. Parin chheda, Mr. Sachin Gupta and Mr. Vamshi Krishna were come to deliver lectures in workshop. 50 faculty members of 12 enginnering institutes of Rajsthan were participated in this workshop.

Complete workshop is based on "**Firebird V**" robot. Firebird V is a research platform based on Microcontroller Atmega 2560 as a master and Atmega 8 as a slave. LCD, LED bar, white line sensors, sharp range sensors, DC geared motors, X-bee modual and RF receiver are interfaced on it.

In those two days, participants were being learnt about all interfacing circuits and codes of all interfaced devices and moduals. DC motor speed control using PWM, read sensor values using ADC and display it on LCD were also learnt. Finaly a white line follower robot was made.