Indore Institute of Science and Technology
Activity Report

Academic Year - 2019 - 2020   Session: July 2019 - Dec 2019

Name of Event: Two Days Workshop (FDP) on "ROBOTICS" (Guest Lecture/Seminar/Workshop)

Date of Event: 11-12 Oct 2019 Topic: ROBOTICS

Organizing Dept.: Dept. of ECE , Event Coordinator: 1. Mr. Ankit Jain (HOD-ECE)
2. Mr. Atul Singh Kushwah

Name of Partner / co-organizer (If Industry is involved): E-Yantra IIT Bombay

Address: IIT Bombay

Contact No.: 9980402770 , Email Id: support@eyantra.org

Name of IndustryRepresentative: Mr Aditya Panwar, Mr Arjun Sadananda, Mr Vikrant Fernandes

Contact No.: 7977628948 , Email Id: support@e-yantra.org
Vikrant.fern@gmail.com, aditya@e-yantra.org; arjun@e-yantra.org.

Name of Expert/Guest: _____

Institute / Company: _____

Designation: _____ , Department: _____

Address: _____

Contact No.: _____ , Email Id: _____

Details of Participants:

No. of Institutes Participated	No. of Students Participated	Department CSE/IT/EC/ME/CM/ESH	No. of Industry Representative	Remark if any
10	36	EC	3	

*Please enclose a detailed list.

Also enclosed following details:

1. Approval Letter
2. Invitation card/Brochure / Leaflet (if printed by Institute or Organizing Partner) print/Social
3. Detailed summary on event. (Outcome)
4. Media Report (attach copy of newspaper)/ write-up for media/ FB write-up
5. Certificate / Letter (if printed by Institute or Organizing Partner)
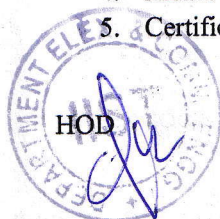
HOD   Principal
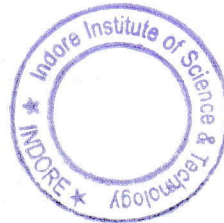
DATE:03/10/2019

Approval Letter

Department of Electronics & Communication Engineering interested to organize Two Days workshop in association with eYantra, MHRD under the national mission on education through ICT program IIT Bombay from 11th to 12th Oct 2019. Kindly approve for organizing the workshop in the department.

Proposal and Budget enclosed herewith.
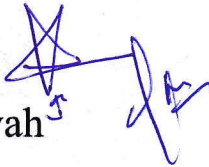
HOD ECE

PRINCIPAL

NOTICE

This is to inform you that Department of Electronics & Communication is going to organize Workshop on **Robotics** organised by IIST Indore in association with eYantra, MHRD under the national mission on education through ICT program IIT Bombay from 11ᵗʰ to 12ᵗʰ Oct 2019. Respected Faculties can participate actively in this event so that they will get benefits from that event. The event will be held at Computer Center A Block VLSI Lab from 09:30AM to 5:30PM. To register for this event kindly contact to following coordinators for confirmation for your presence:
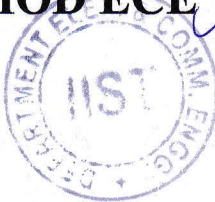
Faculty Coordinators:

a) Mr. Ankit Kumar Jain
b) Mr. Atul Singh Kushwah

So, I invite all the interested Faculties to attend/participate the workshop and get the advantages.

HOD ECE

INDORE INSTITUTE OF SCIENCE & TECHNOLOGY, INDORE

20-11-2019

Accomodation and Commuting charges for the eYantra Workshop Held at IIST Campus From 11-12 Oct 2019

S.No.	Date	Particulars	Rate	Quantity	Total
1	10-10-2019	Travel from Airport to IIST	10 Rs per Km	21 KM	210
2	13-10-2019	Travel from IIST to Airport	10 Rs per Km	21 KM	210
3		Accomodation and food on campus= 1500 Rs per day one room x 3 days			4500
4	11-10-2019	Lunch	160	55	8800
5	11-10-2019	Breakfast	30	55	1650
6	11-10-2019	Evening snacks with Tea	20	55	1100
7	12-10-2019	Lunch	160	36	5760
8	12-10-2019	Breakfast	30	36	1080
9	12-10-2019	Evening snacks with Tea	20	36	720
		Total			24030

Note: Lunch, Breakfast and dinner was finalized before the workshop as per the telephonic discussion with eYantra team. So quantity of First day food was 55 fixed and paid and prepared already but on next day food is adjusted to 36 person as per the attendance of first day and discussion from the eyantra team.
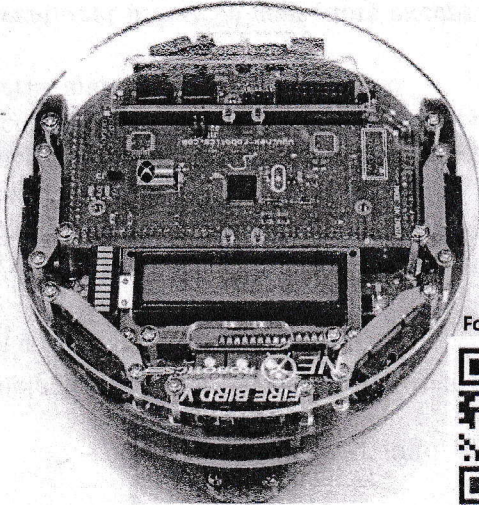
Manager Admin

HOD ECE

Principal IIST

IIST
Indore Institute of
Science & Technology
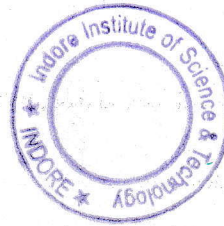
Department of Electronics & Communication Engineering

Sponsored by

e-yantra
IIT Bombay

ECE

Two Days FDP(Workshop) on

Robotics
for Diploma & Engineering faculty

11th-12th (Fri-Sat), Oct, 2019
Venue - VLSI Lab, Computer Center A Block
IIST Campus, Rau

For Registration-

Faculty Coordinator:-
Prof. Ankit Jain | Prof. Atul S. Kushwah
for Registration-(+91-82240 52940)
ec@indoreinstitute.com

e-Yantra is a project sponsored by MHRD, Government of India, under the National Mission on Education through ICT (NMEICT).

COORDINATOR

Workshop Schedule

Day 1:

Time	Activity
8:30 AM to 09:15 AM	Registration + Tea
09:15 AM to 09:45 AM	Inauguration -- Lighting of lamp; Overview of e-Yantra
09:45 AM to 11:00 AM	Introduction to Fire Bird V robot
11:00 AM to 01:00 PM	Introduction to AVR Micro-controller and Programming environment
01:00 PM to 02:00 PM	Lunch Break

Hands on Session

Time	Activity
02:00 PM to 03:30 PM	Simple Motion Control using I/O ports
03:30 PM to 03:45 PM	Tea break
03:45 PM to 05:15 PM	Robot velocity control using pulse width modulation

Day 2:

Hands on Session

Time	Activity
09:30 AM to 10:45 AM	Introduction to LCD interfacing
10:45 AM to 11:00 AM	Tea Break
11:00 AM to 01:00 PM	Analog sensor interfacing using Analog to Digital conversion *Interfacing with white line sensors *Interfacing with Infrared range finder sensor
01:00 PM to 02:00 PM	Lunch Break
02:00 PM to 03:30 PM	Interrupt programming *Closed loop position control of robot using position encoders
03:30 PM to 03:45 PM	Tea break
03:45 PM to 04:15 PM	Robot programming for white line following

Feedback Session

Time	Activity
04:15 PM to 05:00 PM	Quiz and feedback
05:00 PM to 05.30 PM	Concluding session

Please note: Schedule subject to change depending on the material we cover.
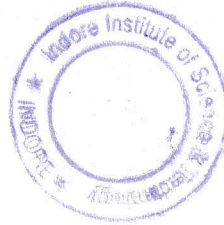
COORDINATOR

ortal is best viewed in Mozilla Firefox® 10.x or higher, Google Chrome 18 or higher.

COORDINATOR

Workshop on Robotics
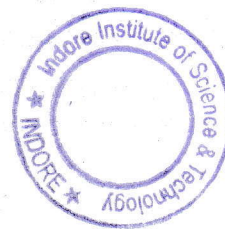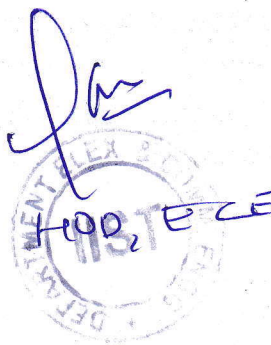
Objectives of Workshop

The aim of the Two-day workshop is to train teachers in the basic concepts of embedded systems and Micro-controller programming as the first phase of training through e-Yantra Lab Setup Initiative (eLSI). • Face-to-face training workshop conducted at a coordinating college for teacher team from a given region. • Team of 4 teachers from colleges learns to program Firebird V robot and get certificates upon successfully completing the workshop.

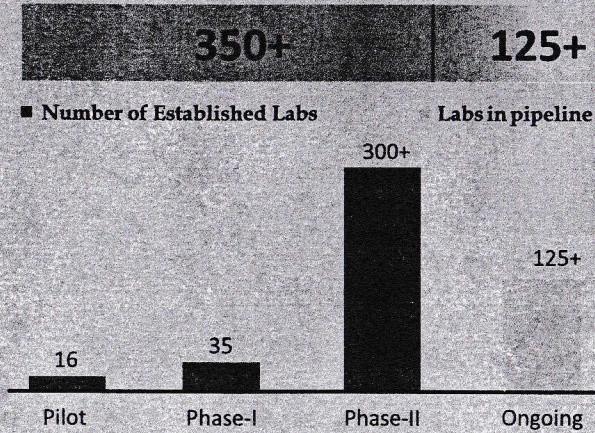**Outcome Of the workshop:**

- Knowledge and understanding of fundamental Robotics paradigms, architectures, possibilities and challenges, both with respect to software and hardware, A wide competence from different areas of technology, especially from computer
- Engineering, robotics, electronics, intelligent systems. Learn the basics of Robotics and its applications.
- What "Robotics" means and how it relates to Embedded system concepts.
- How open platforms allow you to store your sensor data in the Controller.
- The basic usage of the AVR studio environment for creating your own embedded projects at low cost. How to connect your AVR controller to your computer.
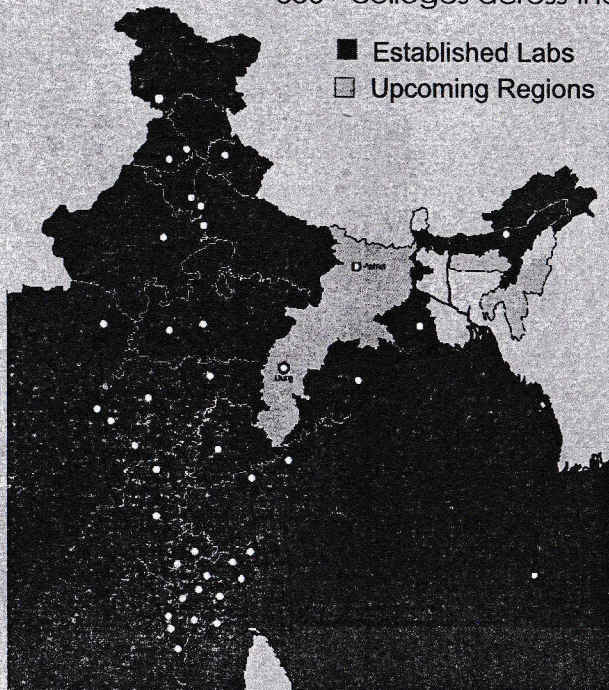- How to send data to the other robot.

COORDINATOR

Growth of eLSI:

Labs Established as on July 2019

350+   **125+**

- Number of Established Labs   Labs in pipeline

300+

125+

16   35

Pilot   Phase-I   Phase-II   Ongoing

e-Yantra labs established in 350+ colleges across India.

- ■ Established Labs
- ☐ Upcoming Regions

Interested in setting up a Robotics Lab under eLSI ?

Contact: support@e-yantra.org

Yantra Competitions:

For Students:

e-Yantra Robotics Competition (eYRC):

Engages students using Project Based Learning (PBL) to implement a solution to a real world problem. Robots, accessories, training material, and rulebook are given to the teams selected for participation, free of cost. Winners get exciting prizes and an opportunity to get internship at e-Yantra, IIT Bombay.

For Teachers:

Task Based Training (TBT):

Engages teachers through hands-on experiments in a step-by-step manner with exciting prizes and certificates.

For Students, Teachers and Colleges:

e-Yantra Ideas Competition (eYIC):

eYIC is the basis for e-Yantra to build a startup eco-system around a college e-Yantra lab. We solicit ideas from student-teacher teams from eLSI colleges as the basis for innovative projects and for sustained use of Robotics labs set up through eLSI.

e-Yantra Team
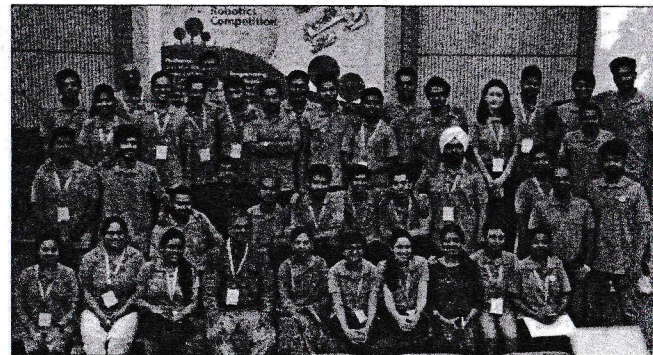
Contact details:

Web-site: www.e-yantra.org
e-mail: support@e-yantra.org
Phone: 022-2576-4986; 022-2572-0184
Facebook: www.facebook.com/eyantra

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e-Yantra

Engineering a better tomorrow

e-Yantra
Lab Setup Initiative (eLSI)

eyantra
Embedded Systems & Robotics Lab
Supported by e-Yantra Lab Setup Initiative (eLSI), IIT Bombay
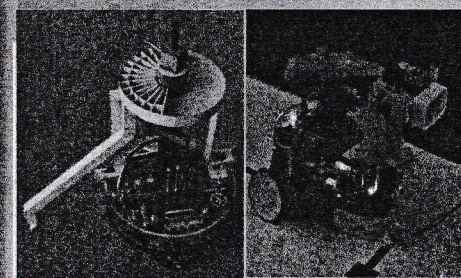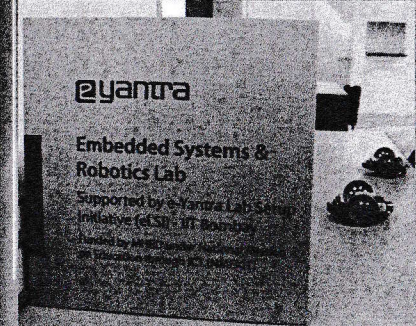
A project sponsored by MHRD through National Mission on Education through ICT (NMEICT)

Department of Computer Science and Engineering IIT Bombay

Two Day Workshop

e-Yantra Lab Setup Initiative (eLSI)

e-Yantra is a project hosted by IIT Bombay to spread education in Embedded systems and Robotics and is sponsored by Ministry of Human Resource Development (MHRD) through the National Mission on Education through ICT (NMEICT).
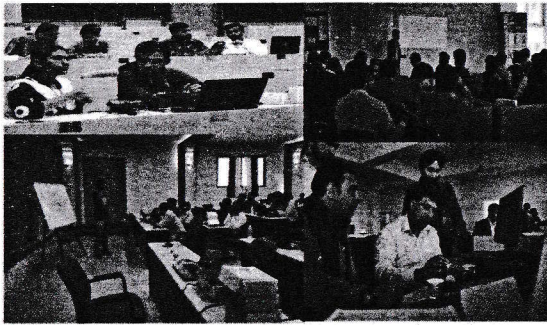
e-Yantra Lab Setup Initiative (eLSI) supports infrastructure creation at colleges by providing a platform for inducting teachers in Project Based Learning or "Learning by doing". We train teachers in theory and applications of Embedded systems and Robotics, in addition to providing guidance in setting up an Embedded Systems and Robotics lab at the college.

eLSI enables colleges to teach Robotics and Embedded Systems by:

- Training team of 4 teachers from a college in basics of Embedded Systems theory and Micro-controller programming through an on-site (at a local centre) 2-day workshop.

- Engaging teams through Task based Training (TBT) – where teachers are trained to implement experiments on a robot over a period of two/three months. Each college team is given a Robotic kit along with tutorials and accessories and is taken step-by-step through hands-on training by the e-Yantra team.

Providing support and advice to set up a Robotics lab so that by the time the teachers are trained, the lab is ready at the college for the teachers to get their students involved through projects.

## How does the college Benefit?

Benefits:

The main benefit of engaging with e-Yantra is to empower teachers and students and to create a culture of innovation and entrepreneurship in a college through e-Yantra initiatives. We not only help set up infrastructure and provide training but also through our considerable network identify resources in industry and alumni to help realize these goals in colleges hosting our labs.

More specific are the following outcomes:

- Better Final year projects in the area of Embedded Systems and Robotics.
- Access to a vast resource of open source projects and tutorials.
- Sustainability of the established lab through participation in the e-Yantra Ideas Competition (eYIC).
- An opportunity to setup an agriculture based IoT-testbed through the e-Yantra Farm Setup Initiative (eFSI).
- Better prospects for a college to gain visibility and attract local industries for internships and placements.

e-Yantra Ideas Competition
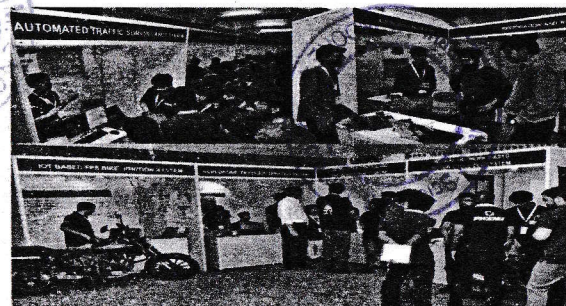
Online Lab Inauguration Ceremony
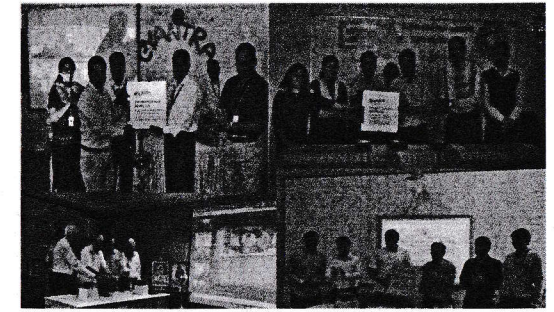
- Integration of hands-on experiments with regular theory sessions through teacher manuals shared via a resource portal.
- The established lab along with its sustainable ecosystem helps a college during accreditation.

How does a college participate?

It is in the interest of the college to invest in creating infrastructure – a Robotics lab where students have an opportunity to explore interdisciplinary skills and to prepare them for either industry or startups.

- A college needs to commit the following to participate in this initiative:

1. Funds to equip a basic Robotics lab (in addition to space and other infrastructure for a lab)
2. A team of 4 teachers to be trained by e-Yantra.

e-Yantra Symposium (eYS) at IIT Bombay
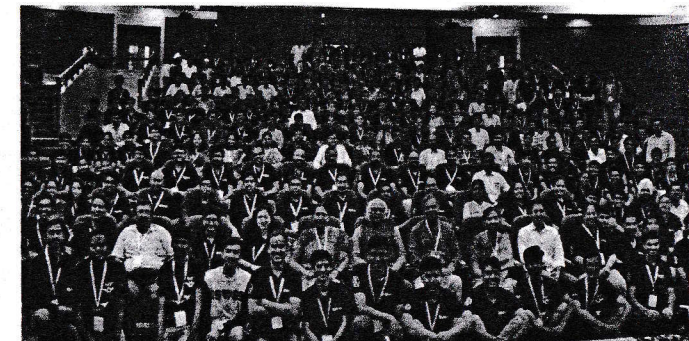
The Program Education Objective (PEOs) of the electronics & communication Engineering department is

PEO-1
To develop the ability to demonstrate technical competence in the fields of electronics and communication engineering and to develop solutions to the problems in core as well as inter disciplinary areas.

PEO-2
To develop graduates with sound academic background and industrial exposure which gives them capability to make a productive contribution to society through lifelong learning.

PEO-3
To produce competent professionals with moral values, ethics to build an efficient team with soft skill capabilities Participants Faculty of the A.I.C.T.E. approved engineering college and polytechnics.

Important Dates
- Last date for registration: 04/10/2019
- Please note the participation is limited to 40 seats only.

Registration
- There will be no registration fee for attending the workshop.
- No T.A & D.A will be paid from the college side.
- This programme is open to all disciplines.
- Only limited seats are available in this workshop.
- The candidate will be selected on the first come first serve basis.
- ONE team of 2-4 teachers from a college can attend this workshop.

– Organizing Committee –
Chief Patron
Shri Roshan Agrawal
Hon'ble Chairman(IIST/IIP/IIMR)
Patron
Mr. Arun S. Bhatnagar
Director General (IIST/IIP/IIMR)
Dr. V.R.Raghuveer
Principal (IIST)
Coordinator
Prof. Ankit Jain(HOD-ECE) | Prof. Atul Kushwah

Two Days Workshop On
"ROBOTICS"
11-12 October, 2019
Registration Form

Name ....

Designation ....

Department ....

Organization / Institute ....

Address ....

....

.... Pin ....

Phone (Off) .... (Res) ....

Mobile No. ....

Email ....

Mode of Travel ....

Date & Time of Arrival ....

Signature & Seal   Signature of Applicant
Head of the Institution

Address for Correspondence
Prof. Ankit Jain, H.O.D.(ECE)
Prof. Atul Singh Kushwah,(ECE)
Email: atulsingh.kushwah@inodreinstitute.com
Phone: 0731-4010656 M. N.:09827596927, 8224052940

Opp. IIM, Rau-Pithampur Road, Rau, Indore - 453331
℗ 0731-4010623 | Toll Free: 1800 103 3069
Email : ec@indoreinstitute.com | www.indoreinstitute.com

Two Days Workshop On
"ROBOTICS"
11-12 October, 2019
Organized by

Indore Institute of Science & Technology
Indore Institute of Science & Technology

Department of Electronics & Communication

Sponsored by

eYantra

eYantra, MHRD under the National Mission on Education through ICT program
Indian Institutes of Technology (IIT) Bombay

Venue
IIST Campus, Opp. IIM, Rau-Pithampur Road,
Rau, Indore 453331
Phone: 0731-4010656, 8224052940
email - ec@indoreinstitute.com,
www.indoreinstitute.com

Objectives of Workshop
The aim of the Two-day workshop is to train teachers in the basic concepts of embedded systems and Micro-controller programming as the first phase of training through e-Yantra Lab Setup Initiative (eLSI).
- Face-to-face training workshop conducted at a coordinating college for teacher team from a given region.
- Team of 4 teachers from colleges learns to program Firebird V robot and get certificates upon successfully completing the workshop.

What is e-yantra?
Project e-Yantra is an initiative to spread education in embedded systems and Robotics by IIT Bombay sponsored by Ministry of Human Resource Development through the National Mission on Education through ICT (NMEICT).
This project was conceptualized by Prof. Kavi Arya and Prof. Krithi Ramamritham of the Department of Computer Science and Engineering at IIT Bombay.

What is eLSI?
One of our initiatives, e-Yantra Lab Setup Initiative (eLSI) supports the infrastructure creation at colleges by providing a platform for training teachers both in theory and applications of Robotics, in addition to providing guidance in setting up a Robotics lab at the college. eLSI aims to enable colleges to teach Robotics and Embedded systems in an effective manner by:
- Training teams of 4 teachers from colleges in a region, in the basics of embedded systems theory and Micro- controller programming through a 2-day workshop.
- Engaging the teams through Task based Training (TBT) – where teachers are trained to implement various experiments on the robot over a period of three/four months. Each college team is given a Robotic kit complete with tutorials and accessories and is taken step-by-step through hands-on training by the e-Yantra team.
- Providing support and advice to set up a Robotics lab so that by the time the teachers are trained, the lab is ready at the college for the teachers to get their students involved through projects.

How does the college benefit?
Training students through hands-on projects is imperative in producing successful innovators and entrepreneurs. Creating the infrastructure with labs and trained teachers provides the competitive advantage to colleges in attracting talented students. e-Yantra facilitates the infrastructure creation by sharing its experience and expertise. Benefits include:
- Increased enthusiasm amongst students
- Better BE projects with help from e-Yantra Resource
- Development Center (eYRDC)
- Better trained and motivated faculty
- Robotics club
- Opportunity to receive Embedded Systems Course from IIT Bombay
- Better prospects for engaging with other NMEICT projects Such as 10k teacher training, SpokenTutorials, e-Kalpa, FOSSEE
- Better visibility for college nationally

What is the Participation procedure for setting up lab?
It is necessary for the college to invest in creating the infrastructure – a Robotics lab where students have an opportunity to explore interdisciplinary skills. A maximum of 20 colleges will be chosen from each region for participating in the initiative on a First Come First Serve (FCFS) basis. A college needs to commit the following to participate in this initiative: Funds to equip a basic Robotics lab (in addition to space and other infrastructure) A team of 4 teachers who can be trained through the initiative.

About IIST:
Indore Institute of Science &Technology (IIST) established in the year 2003, is amongst the Top 5 Engineering Colleges of Indore. The Institute is approved by AICTE, New Delhi and affiliated to RGPV Bhopal offering Bachelors and Master's Degree in Engineering.
At IIST, we are committed to Enhance the Employability Quotient of the Students along with Holistic Development.
The Institute has tie-up with premier IITs (Delhi & Bombay) for Academic Excellence in the areas of Virtual Labs, e-Yantra, etc. We have well-qualified faculty team, mostly with Ph.D degree in the latest technological domains. Our Technology enabled Flipped Classroom pedagogy enhances the student engagement in the classroom and make them focused on the practical aspects of the subject. The institute has created, dedicated Special Interest Groups (SIGs) to enable the faculty and staff to work on the latest technologies in the newly established State of the art Lab Infrastructure for Internet of Things (IoT), Apple iOS application development, Cloud Computing, Data Analytics, Artificial Intelligence, Robotics, Aero Modelling, Waste Water Treatment, Water Harvesting, etc.

ECE has played a key role in the fast changing era of modern life. It has penetrated in every field of our existence. The department of Electronics and Communication Engineering offers undergraduate and post graduate courses, that keeps in pace with the latest developments in the field of ECE. We have excellent infrastructure, well experienced faculties and technical staff which collectively ensure dynamic and vibrant environment in the department. Our department produces electronics and communication engineers having strong theoretical foundation, good design experience and exposure to research and development.

The Department of Electronics and Communication Engineering was established in the year 2003 with B.E (ECE).

Department of ECE got NBA accredited twice in year 2013 and 2016. The department also conducts PG programme M.E (Digital Communication) from year 2009-10 with an intake of 9 students.

The vision of the electronics & communication Engineering department is To produce globally competent electronics & communication engineering students with knowledge of core as well as inter discipline domains.

The Mission of the Electronics & Communication Engineering department is
- Our efforts are dedicated in educating the students in field of electronics and communication engineering to create competent professionals with moral values, social ethics and pursuing higher education.
- Our efforts are dedicated in understanding technical competence in the fields of electronics and communication engineering and implementation of theoretical concepts in practical multidiscipline scenarios.

IT Bombay, e-Yantra Lab Setup Initiative (eLSI): Itinerary Details for Two Day Workshop at ndore Institute of Science and Technology, Indore on 11th & 12th October 2019 (Friday & Saturday)

'ikrant Fernandes <vikrant@e-yantra.org>   Wed, Oct 9, 2019 at 11:30 Al
o: atulsingh.kushwah@indoreinstitute.com
:c: e-Yantra Helpdesk3 <aditya@e-yantra.org>, e-Yantra Helpdesk 10 <arjun@e-yantra.org>, e-Yantra Support <support@e-
antra.org>

Respected Sir,

Greetings from e-Yantra!

This is to inform you about the details of Engineers who will be visiting your college for the workshop as well as requirements for the workshop.

The names and contact details are mentioned below:

Name: **Mr. Aditya Panwar**
ntact Number: **7977628948**
 ID: aditya@e-yantra.org

Name: **Mr. Vikrant Fernandes**
Contact Number: **9769885543**
e-mail ID: **vikrant.ferns@gmail.com**

Name: **Mr. Arjun Sadananda**
Contact Number: **9980402770**
e-mail ID: **arjun@e-yantra.org**

We will be arriving at **Devi Ahilya Bai Holkar Airport (IDR)** by **Air India** flight **AI635** on **10th October 2019, Thursday, 08:25 AM**. We request you to arrange the transport for all 3 from Indore airport to the college as they will be carrying 3 large suitcases with Robotic Kits for the workshop besides other luggage. We would like to go directly to the workshop venue as they have to make sure that the Desktop Computers have the required drivers.

Workshop team will leave from college for Indore airport on **13th October 2019, Sunday, 3:00 PM.**

F the purpose of their stay, we understand the rate of stay is Rs. 1500 per night sharing basis. It is our request that you book for 3 nbers for 10th, 11th and 12th and acknowledge the same.

The following are the minimum requirements for the workshop:

1. 20 Desktop Computers / Laptops with Operating System Windows 7, 8 or 10 (No Linux based system)
      Processor: Intel Core i3 and above
      RAM: 2 GB and above
      USB Port required for programming
      Additional power sockets for robots and laptops
      Computer with Administrator login
2. Internet Access/Wi-Fi Access
3. White Board, Marker and Duster
4. Projector, Screen and Slider
5. Microphone and PA system

Please inform all the participating teams to carry laptops, so that all installations will be done during the workshop and will save time for the teachers to continue working.

Workshop requirements document is attached with this mail for your ready reference.

Feel free to contact us on support@e-yantra.org or call us on 022 2576-4986 in case of any query.

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Regards,
Vikrant Fernandes
Sr. Project Technical Assistant, e-Yantra,

uter Science and Engineering,
te of Technology, Bombay
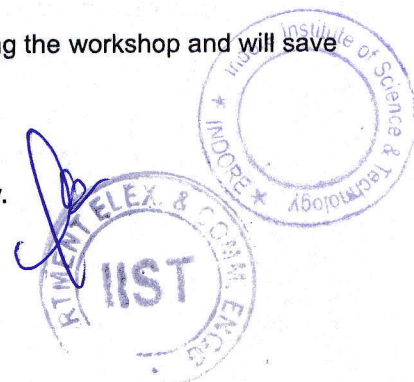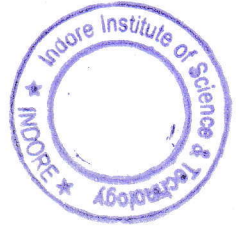
IT Bombay, e-Yantra Lab Setup Initiative (eLSI): Confirmation and important instructions o attend the Two Day Workshop at Indore Institute of Science & Technology, Indore, Madhya Pradesh

-Yantra Support <support@e-yantra.org>   Thu, Oct 3, 2019 at 9:00 AI
o: suyash.joshi1990@gmail.com, bstwinkle4@gmail.com, shelarmama1111@gmail.com, Nehanamdevgs@gmail.com,
rwal.rupali@gmail.com, neel.s.patidar@gmail.com, sandeep.oist@gmail.com, jitendra.managre@gmail.com,
eepakrthd9@gmail.com, zohaibhasan@ggits.org, abhisheksingh@ggits.org, rishabh.badjatya@gmail.com, hod_ec@piemr.edu.in,
.mukati@yahoo.com, Abhi30391@gmail.com, shravan.namdeo@indoreinstitute.com, neha.choudhary@indoreinstitute.com,
rpita.tiwari@indoreinstitute.com, solweend@gmail.com, anand.mantri@indoreinstitute.com, mukesh.omppatidar@gmail.com, Rakesl
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byjain.53@gmail.com, nidhitiwari.vlsi@gmail.com, deepakd.sharma21@gmail.com, ayaz.sheikh@sait.ac.in, ambuj.pandit@sait.ac.in
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asimkhanemt@gmail.com, jitendra.dodiya@vitmindore.com, preety@vitmindore.com, rajindersingh_bhatia2000@yahoo.com,
ehakhare@gmail.com, pandeynishi738@gmail.com
c: e-Yantra Support <support@e-yantra.org>, e-Yantra Lab Setup Initiative <elsi@e-yantra.org>, Atul Singh Kushwah
atulsingh.kushwah@indoreinstitute.com>, ec@indoreinstitute.com

Respected Sir/Madam,

C   ings from e-Yantra!

This is to confirm your registration for the Two Day Workshop at Indore Institute of Science & Technology, Indore, Madhya Pradesh (Friday & Saturday).

   1. **Please carry at least one (Windows 7 or above) laptop between a team of four teachers.**
   2. **Carry your College Id Card.**

Note: Please download the "ATMEL_STUDIO_6-6.2.1563" and install it on your laptop before attending the workshop.

The Venue, Coordinator details and Schedule are as below:

The Venue & Coordinator details are as below:

Venue	:First Floor, A Block, Computer Center Department of Electronics & Communication Engineering Indore Institute of Science & Technology Opposite Indian Institute of Management, Rau Pithampur Road Rau, Indore (M.P) 453331
Coordinator	: ,Mr. Atul Singh Kushwah, Mr. Ankit Jain
ct Number	: +91-8224052940, 07314010656
e-mail	: atulsingh.kushwah@indoreinstitute.com, ec@indoreinstitute.com
Date	: 11th & 12th October 2019 (Friday & Saturday)
Time	: 9:00 A.M. - 06:00 P.M. (Friday) 9:00 A.M. - 06:00 P.M. (Saturday)

Here are the modalities of the workshop:

---

   1. No fee will be collected from any participant. Tea/Lunch will be provided on both the days of the workshop.
   2. **All travelling expenses of the team members attending the workshops are borne by their respective colleges. Regarding Accommodation please read below.**
   3. Each participating college team member has to give the attendance at the venue **on both the days of the workshop** and registration will happen on the second day of the workshop.
   4. Teachers will be given a participation certificate from e-Yantra upon successful participation on both days of the workshop. For partial attendance or teachers doing a refresher course, only attendance certificates can be provided upon request for the dates attended.
   5. Teacher teams from colleges that have given LoI (Letter of Intent), who have successfully participated on both days of the workshop, will receive **a robotic kit** at the end of the workshop. These teams will participate in the Task-Based Training (TBT).

workshop?

...ms from colleges participating in eLSI by giving the LoI will participate in Task-Based Training (TBT) to solve assigned ...asks designed to include hands-on experiments using the robot, over a 3-4 month period. Teams participate in TBT online. No travel is required.

2. Colleges set up their labs during this 3-4 month period.
3. Certificates and 2 additional robotic kits are awarded to colleges at the end of TBT, during the valedictory function when all the labs in the region are inaugurated simultaneously.
4. No substitution of team members will be allowed during TBT. Teachers who are trained through the 2-day workshop will participate in TBT.

Please click on below link to find the detailed schedule for the 2-day workshop:
Workshop Schedule

The format for the Letter of Intent (LoI) can be downloaded from the following link:
Letter of Intent

Two brief video tutorials on **"Embedded C Programming basics"**, which will provide quick review for teachers before attending the workshop, is included in this mail.

...e tutorials outline all the essential concepts which will aid the teachers to better understand the contents of the workshop.
Pl... e find their video links below:

Basics of Embedded C (part 1) : **https://youtu.be/yxq-xCq1Gg4**

Basics of Embedded C (part 2) : **https://youtu.be/k4fcKgiYsZk**

We look forward to meeting you and your team at the workshop.

Feel free to contact us at 022-2572-0184 or email us at **support@e-yantra.org** in case of any query.

--
Thanks and Regards
e-Yantra Team
IIT Bombay

achments

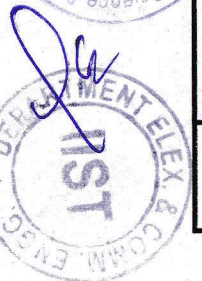letter-of-intent.docx
16K

Pamphlet_July_2019_(350+).pdf
2750K

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY, INDORE
DEPARTMENT OF ELECTRONICS COMMUNICATION ENGINEERING

e-Yantra Participate List

Sr. No.	College Name	Team Member Name	Day 1 First Half	Day 1 Second Half	Day 2 First Half	Day 2 Second Half
			11/10/2019		12/10/2019	
1	SHRI YOGINDRA SAGAR INSTITUTE OF TECHNOLOGY AND	Suyash Joshi ✓	Joshi	Joshi	Joshi	Joshi
		Balvinder Singh Gurudatta ✓				
2	Shri Govindram Seksaria Institute of Technology and Science	Neha Namdev ✓				
		Rupali Jarwal	ABSENT	ABSENT	ABSENT	ABSENT
3	Shri Vaishnav Vidyapeeth Vishwavidyalaya Indore	Nilesh Patidar ✓	Patidar	Patidar	Patidar	Patidar
		Sandeep Kumar Jain ✓				
		Jitendra Managre ✓				
		Deepak Rathod				
4	Gyan Ganga Institute of Technology & Sciences	Zohaib Hasan ✓				
		Abhishek Singh ✓				
5	Prestige Institute of Engineering Management & Research, Indore	Sadhana Tiwari ✓	will come	will come	will come	will come
		Naveen Mukati ✓				
		Abhishek Chourasiya ✓				
6	Indore Institute of Science and Technology	shravan kumar namdeo				
		Neha Choudhary				
		Arpita Tiwari				
		Anand Mantri				
7	Lakshmi Narain College Of Technology, Indore	Mukesh Patidar				
		Deepak Pancholi				

SYSITS, RATLAM

COORDINATOR

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY, INDORE
DEPARTMENT OF ELECTRONICS COMMUNICATION ENGINEERING

8	BMCT Indore	Rakesh Mandliya				
		Deepika Bikawat				
9	Sagar Institute of Research and Technology	Ruby Jain	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Dr Nidhi Tiwari	*(sign)*	*(sign)*	*(sign)*	*(sign)*
10	Institute of Engineering & Science IPS Academy Knowledge Village Indore	Sunny Bagga	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Amriteshwar Bhalavi	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Amit Pathak	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr Aftaab Qureshi	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Rohit Kumar Vyas	*(sign)*	*(sign)*	*(sign)*	*(sign)*
11	Indore Institute of Science and Technology	Mr. Rupesh Kumar Dutta	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Suveer Dubey	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Naman Gandhi	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Ankit Jain	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Viplove Divyasheesh	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Atul Singh Kushwah	*(sign)*	*(sign)*	*(sign)*	*(sign)*
12	IIST Student	Mr. Lokesh Phalak	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Ujjwal Thakre	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Prateek Jaiswal	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Ashwin Rathore	*(sign)*	*(sign)*	*(sign)*	*(sign)*
		Mr. Gaurav Shastri	*(sign)*	*(sign)*	*(sign)*	*(sign)*

(handwritten) AAFTAB QURESHI

(handwritten) Devendra S. Mandloi

13 Shri Vaishnav Polytechnic College, Indore   Pratiksha Aurangabadkar *(signs)*

eYantra Coordinator
Mr. Ankit Jain
Mr. Atul Singh Kushwah
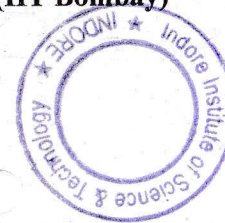
Resource Person from e-Yantra (IIT Bombay)
Mr. Aditya Panwar
Mr. Vikrant Fernandes
Mr. Arjun Sadananda
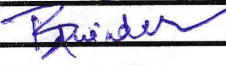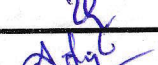
INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY, INDORE
DEPARTMENT OF ELECTRONICS COMMUNICATION ENGINEERING

e-Yantra Participate List

Sr. No.	College Name	Team Member Name	Mobile No.	E-mail ID	Signature
1	SHRI YOGINDRA SAGAR INSTITUTE OF TECHNOLOGY AND SCIENCE, RATLAM	Suyash Joshi	6264864779	suyash.joshi1990@gmail.com	Joshi
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2	Sanjivani College of Engineering	Shelar Vishal Pradip	9552286743	shelarmama1111@gmail.com	
3	Shri Govindram Seksaria Institute of Technology and Science	Neha Namdev	9993977754	nehanamdevgs@gmail.com	11/10/13
		Rupali Jarwal	8109222958	jarwal.rupali@gmail.com	Will Join tomorrow
4	Shri Vaishnav Vidyapeeth Vishwavidyalaya Indore	Nilesh Patidar	9993196888	neel.s.patidar@gmail.com	Pande
		Sandeep Kumar Jain	9876996090	sandeep.oist@gmail.com	
		Jitendra Managre	8989200243	jitendra.managre@gmail.com	
		Deepak Rathod	9630602839	deepakrthd9@gmail.com	
5	Gyan Ganga Institute of Technology & Sciences	Zohaib Hasan	9826689969	zohaibhasan@ggits.org	
		Abhishek Singh	9713163762	abhisheksingh@ggits.org	
6	Prestige Institute of Engineering Management & Research, Indore	Rishabh Badjatya	7225868565	rishabh.badjatya@gmail.com	
		Sadhana Tiwari	8770822405	hod_ec@piemr.edu.in	Will Join Today
		Naveen Mukati	7879112308	n.mukati@yahoo.com	
		Abhishek Chourasiya	7509580310	Abhi30391@gmail.com	

COORDINATOR

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY, INDORE
DEPARTMENT OF ELECTRONICS COMMUNICATION ENGINEERING

No.	Institute	Name	Phone	Email	Signature
7	Indore Institute of Science and Technology	shravan kumar namdeo	9098071834	shravan.namdeo@indoreinstitute.com	
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		Arpita Tiwari	9713641893	arpita.tiwari@indoreinstitute.com	
		Anand Mantri	9827535254	anand.mantri@indoreinstitute.com	
8	Lakshmi Narain College Of Technology, Indore	Mukesh Patidar	9770435369	mukesh.omppatidar@gmail.com	11/10/19
		Deepak pancholi	9827252518	erdeepakpancholi.ind@gmail.com	11/10/19
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		Nitin Pal	9098273097	nitinpal69@gmail.com	
		Pritesh Gupta	8109777283	priteshguptaa@gmail.com	
		Deepika Bikawat	9893675955	deepikabikawat@gmail.com	
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		Dr Nidhi Tiwari	7976992598	nidhitiwari.vlsi@gmail.com	Nidhi 11/10/2019
11	Sri Aurobindo Institute of Technology, Indore	Mr.Ayaz Sheikh	8770162683	ayaz.sheikh@sait.ac.in	
		Mr.Ambuj Pandit	7987448296	ambuj.pandit@sait.ac.in	
12	Sage University	Dr.Nidhi Tiwari	7976992598	nidhitiwari.vlsi@gmail.com	
		Ms.Ruby Jain	7806093715	rubyjain.53@gmail.com	
13	Acropolis Institute of Technology & Research Indore	Mr. Prabhat Pandey	9752599202	prabhatpandey@acropolis.in	
		Mr. Arvind Solanki	9516659199	arvindsolanki@acropolis.in	
14	Lord Krishna College of Technology Indore	Mr. Deepak Sharma	9754711574	deepakd.sharma21@gmail.com	
		Ms. Mukta Sahu	8305282929	muktasahu108@gmail.com	

COORDINATOR

INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY, INDORE
DEPARTMENT OF ELECTRONICS COMMUNICATION ENGINEERING

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		Ms. Preety Ahirwar	6266233737	preety@vitmindore.com	
17	Institute of Engineering & Science IPS Academy Knowledge Village Indore	Sunny Bagga	9993254449	ssunnybagga@gmail.com	
		Amiteshwar Bhalerav	9826464845	amiteshwarbhalav@ipsaca.dony.org	Afblalar
		Amit Pathak	9685958551	amit pathak@ IPSacademy org	
18	Sanghavi Institute of Management and Science	Rajinder Singh Bhatia	9827326717	rajindersingh_bhatia2000@yahoo.com	
19	Truba Institute of Engineering and Information Technology	Meha shrivastava	9826294362	mehakhare@gmail.com	
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		Meha shrivastava	9826294362	mehakhare@gmail.com	
		Nishi pandey	8319120415	pandeynishi738@gmail.com	
20	Shri Vaishnav Polytechnic, college Indore	Pratiksha Aurangabadkar	9584400425	Pratiksha.tolkar @gmail.com	Tolkar 17/10/19
07 21	£ I S T	Naman Gandhi	7828102668	Naman.gandhi@indorinstitute.com	Naman
		Suveer Dubey	9893046463	suvee100@gmail.com	Dubey
		Rupesh Dutta	8962512912	rupesh.dutti@Rdnestribute.com	
		Parendra S Mandloi			

Overall feedback analysis Eyantra Robotics Workshop 2019

S.No.	Name of Participants	Institute	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Amiteshwar Bhalavi	IPS, INDORE	5	4	4	4	5	4	4	4	4	4	4	4	4	4	4
2	Amit Pathak	IPS, INDORE	5	5	5	5	4	4	4	5	5	5	5	5	5	5	5
3	DEEPAK PANCHOLI	LNCT, INDORE	4	5	4	4	5	5	5	4	3	5	4	4	4	5	4
4	NILESH PATIDAR	SHRI VAISHNAV VIDYAPEETH VISH	4	5	5	5	5	5	4	4	4	4	5	4	5	4	5
5	NEHA CHOUDHARY	IIST, INDORE	4	5	4	4	5	4	4	5	4	3	4	4	4	5	4
6	ARPITA TIWARI	IIST, INDORE	4	5	5	5	4	5	3	4	4	3	4	3	4	5	4
7	SUYASH JOSHI	SYSITS, RATLAM	5	5	4	5	4	4	5	5	4	4	5	5	4	5	5
8	BALVINDAR SINGH GURUDUTTA	SYSITS, RATLAM	5	4	4	5	4	4	5	4	4	5	5	5	4	5	4
9	MUKESH PATIDAR	LNCT, INDORE	5	4	3	4	4	4	4	4	5	4	5	5	4	5	4
10	RUBY JAIN	SIRT, INDORE	5	5	4	5	5	4	5	5	4	4	4	5	4	5	5
11	ATUL SINGH KUSHWAH	IIST, INDORE	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
12	ABHISHEK SINGH	GGITS, JABALPUR	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
13	ZOHAIB HASAN	GGITS, JABALPUR	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
14	JITENDRA MANAGRE	SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA, INDORE	4	5	5	5	4	5	4	4	5	5	5	4	5	5	4
15	DEEPAK RATHOD	SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA, INDORE	4	4	5	4	4	5	4	4	5	5	4	4	4	5	4
16	SANDEEP KUMAR JAIN	SHRI VAISHNAV VIDYAPEETH VISHWAVIDYALAYA, INDORE	4	4	5	5	5		4	4	4	4	4	5	3	5	4
17	SUNNY BAGGA	IPS, INDORE	5	5	5	5	5	5	5	4	5	4	4	5	5	5	5
18	SHRAVAN KUMAR NAMDEO	IIST, INDORE	5	5	5	4	4	4	4	5	4	4	3	4	4	4	5
19	NEHA NAMDEV	SGSITS, INDORE	4	5	3	4	4	3	4	4	4	4	5	3	4	4	5
20	NAVEEN MUKHATI	PIEMR, INDORE	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
21	ABHISHEK CHOUDHARY	PIEMR, INDORE	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
22	SUVEER DUBEY	IIST, INDORE	5	5	4	4	4	2	3	2	5	4	2	4	2	4	5
23	PRATIKSHA AURANGABADKAR	SVP, INDORE	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5
24	ROHIT KUMAR VYAS	SCHOOL OF COMPUTER IPS, INDO	5	5	4	5	5	5	5	5	5	5	4	4	5	5	5
25	AAFTAB QURESHI	SCHOOL OF COMPUTER IPS, INDO	5	5	4	5	5	5	5	5	5	5	4	4	5	5	5
26	NAMAN KUMAR GANDHI	IIST, INDORE	5	5	4	5	5	5	5	5	5	5	4	4	5	4	5
27	Dr. NIDHI TIWARI	SRIT, INDORE	5	5	4	4	4	5	4	5	4	4	4	2	4	5	5

93% 96% 88% 93% 91% 89% 88% 89% 91% 91% 90% 90% 90% 90% 90%
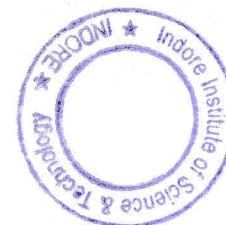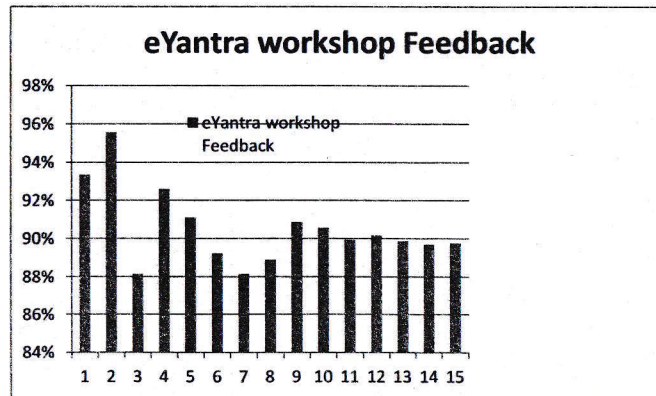
eYantra workshop Feedback

eYantra workshop Feedback

COORDINATOR

HOD, ECE

FEEDBACK FORM

Personal Information

Name	Amiteshwar Bhalavi
College	FPs Academy IES
Topic	Two-day e-Yantra workshop on Robotics (Firebird V)
Date	11-12 Oct 2019

1. The presenter/lecturer/trainer/facilitator(s) was/were knowledgeable
   - ● Very Satisfied
   - o Satisfied
   - o Good
   - o Average
   - o No Answer

2. The presenter/lecturer/trainer/facilitator(s) was/were well-prepared
   - o Very Satisfied
   - ● Satisfied
   - o Good
   - o Average
   - o No Answer

3. The content of the workshop/training/seminar was useful.
   - o Very Satisfied
   - ● Satisfied
   - o Good
   - o Average
   - o No Answer

4. The content of the workshop/training/seminar/course was well-planned.
   - o Very Satisfied
   - ● Satisfied
   - o Good
   - o Average
   - o No Answer

5. The materials provided were relevant.
   - ● Very Satisfied
   - o Satisfied
   - o Good
   - o Average
   - o No Answer

6. The knowledge and skills I acquired from the workshop/training/seminar/course are of relevance to my work/are applicable to many aspects of my work.
   - o Very Satisfied
   - ● Satisfied
   - o Good
   - o Average
   - o No Answer

7. Broadly educated and will have an understanding of ethical responsibilities.
   - o Very Satisfied
   - ● Satisfied
   - o Good
   - o Average
   - o No Answer

8. Clearly understanding the value of updating their professional knowledge to engage in life -long learning.
   - o Very Satisfied
   - ● Satisfied
   - o Good
   - o Average
   - o No Answer

9. Demonstrate the ability to apply advanced technologies to solve contemporary and new problems.
   - o Very Satisfied
   - ● Satisfied
   - o Good
   - o Average
   - o No Answer

10. Awareness to apply engineering solutions in global, national, and societal contexts.
    - o Very Satisfied
    - ● Satisfied
    - o Good
    - o Average
    - o No Answer

11. Ability to participate as members of multidisciplinary design teams along with mechanical, electrical, Computer Science and other engineers.
    - o Very Satisfied
    - ● Satisfied
    - o Good
    - o Average
    - o No Answer

12. The duration of the workshop/training/seminar/course was just right.
    - o Very Satisfied
    - ● Satisfied
    - o Good
    - o Average
    - o No Answer

COORDINATOR

13. The workshop/training/seminar/course has met the stated objectives fully.
    o **Very Satisfied**   **Satisfied**   o **Good**   o **Average**   o **No Answer**

14. I would be interested in attending a follow-up, more advanced workshop on this same subject
    o **Very Satisfied**   o **Satisfied**   o **Good**   o **Average**   o **No Answer**

15. What rating would you like to rate for the event?
    o **Very Satisfied**   o **Satisfied**   o **Good**   o **Average**   o **No Answer**

Please rate the following:

		Excellent	Very Good	Good	Fair	Poor
a.	Visuals	❑	❑	☑	❑	❑
b.	Acoustics	❑	☑	❑	❑	❑
c.	Meeting space	❑	☑	❑	❑	❑
d.	The program overall	❑	☑	❑	❑	❑

Any suggestions for improvement?

_____

_____

COORDINATOR

SIGNATURE

FEEDBACK FORM

Personal Information

Name	Deepak pancholi
College	LNCT Indore
Topic	Two-day e-Yantra workshop on Robotics (Firebird V)
Date	11-12 Oct 2019

1. The presenter/lecturer/trainer/facilitator(s) was/were knowledgeable
   ○ Very Satisfied   ○ Satisfied ✓   ○ Good   ○ Average   ○ No Answer

2. The presenter/lecturer/trainer/facilitator(s) was/were well-prepared
   ○ Very Satisfied ✓   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

3. The content of the workshop/training/seminar was useful.
   ○ Very Satisfied   ○ Satisfied ✓   ○ Good   ○ Average   ○ No Answer

4. The content of the workshop/training/seminar/course was well-planned.
   ○ Very Satisfied   ○ Satisfied ✓   ○ Good   ○ Average   ○ No Answer

5. The materials provided were relevant.
   ○ Very Satisfied ✓   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

6. The knowledge and skills I acquired from the workshop/training/seminar/course are of relevance to my work/are applicable to many aspects of my work.
   ○ Very Satisfied ✓   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

7. Broadly educated and will have an understanding of ethical responsibilities.
   ○ Very Satisfied   ○ Satisfied ✓   ○ Good   ○ Average   ○ No Answer

8. Clearly understanding the value of updating their professional knowledge to engage in life -long learning.
   ○ Very Satisfied   ○ Satisfied   ○ Good ✓   ○ Average   ○ No Answer

9. Demonstrate the ability to apply advanced technologies to solve contemporary and new problems.
   ○ Very Satisfied ✓   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

10. Awareness to apply engineering solutions in global, national, and societal contexts.
    ○ Very Satisfied   ○ Satisfied ✓   ○ Good   ○ Average   ○ No Answer

11. Ability to participate as members of multidisciplinary design teams along with mechanical, electrical, Computer Science and other engineers.
    ○ Very Satisfied   ○ Satisfied ✓   ○ Good   ○ Average   ○ No Answer

12. The duration of the workshop/training/seminar/course was just right.
    ○ Very Satisfied   ○ Satisfied ✓   ○ Good   ○ Average   ○ No Answer

COORDINATOR

13. The workshop/training/seminar/course has met the stated objectives fully.
    ○ **Very Satisfied**   ○ **Satisfied**   ○ **Good**   ○ **Average**   ○ **No Answer**

14. I would be interested in attending a follow-up, more advanced workshop on this same subject
    ○ **Very Satisfied**   ○ **Satisfied**   ○ **Good**   ○ **Average**   ○ **No Answer**

15. What rating would you like to rate for the event?
    ○ **Very Satisfied**   ○ **Satisfied**   ○ **Good**   ○ **Average**   ○ **No Answer**

Please rate the following:

		Excellent	Very Good	Good	Fair	Poor
a.	Visuals	☐	☐	☑	☐	☐
b.	Acoustics	☑	☐	☐	☐	☐
c.	Meeting space	☐	☐	☑	☐	☐
d.	The program overall	☐	☑	☐	☐	☐

Any suggestions for improvement?

The Content should be more basic for new one

COORDINATOR

SIGNATURE

FEEDBACK FORM

Personal Information

Name	AMIT PATHAK
College	IPS ACademy, IES, Indore M.f.
Topic	Two-day e-Yantra workshop on Robotics (Firebird V)
Date	11-12 Oct 2019

1. The presenter/lecturer/trainer/facilitator(s) was/were knowledgeable
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

2. The presenter/lecturer/trainer/facilitator(s) was/were well-prepared
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

3. The content of the workshop/training/seminar was useful.
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

4. The content of the workshop/training/seminar/course was well-planned.
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

5. The materials provided were relevant.
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

6. The knowledge and skills I acquired from the workshop/training/seminar/course are of relevance to my work/are applicable to many aspects of my work.
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

7. Broadly educated and will have an understanding of ethical responsibilities.
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

8. Clearly understanding the value of updating their professional knowledge to engage in life -long learning.
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

9. Demonstrate the ability to apply advanced technologies to solve contemporary and new problems.
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

10. Awareness to apply engineering solutions in global, national, and societal contexts.
    o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

11. Ability to participate as members of multidisciplinary design teams along with mechanical, electrical, Computer Science and other engineers.
    o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

12. The duration of the workshop/training/seminar/course was just right.
    o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

13. The workshop/training/seminar/course has met the stated objectives fully.
    ᵒ **Very Satisfied**   ᵒ **Satisfied**   ᵒ **Good**   ᵒ **Average**   ᵒ **No Answer**

14. I would be interested in attending a follow-up, more advanced workshop on this same subject
    ᵒ **Very Satisfied**   ᵒ **Satisfied**   ᵒ **Good**   ᵒ **Average**   ᵒ **No Answer**

15. What rating would you like to rate for the event?
    ᵒ **Very Satisfied**   ᵒ **Satisfied**   ᵒ **Good**   ᵒ **Average**   ᵒ **No Answer**

Please rate the following:

		Excellent	Very Good	Good	Fair	Poor
a.	Visuals	☐	☐	☑	☐	☐
b.	Acoustics	☐	☐	☑	☐	☐
c.	Meeting space	☐	☑	☐	☐	☐
d.	The program overall	☐	☑	☐	☐	☐

Any suggestions for improvement?

_____

_____

COORDINATOR

SIGNATURE

FEEDBACK FORM

Personal Information

Name	Nilesh Patidar
College	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Topic	Two-day e-Yantra workshop on Robotics (Firebird V)
Date	11-12 Oct 2019

1. The presenter/lecturer/trainer/facilitator(s) was/were knowledgeable
   ○ Very Satisfied   ✓ Satisfied   ○ Good   ○ Average   ○ No Answer

2. The presenter/lecturer/trainer/facilitator(s) was/were well-prepared
   ✓ Very Satisfied   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

3. The content of the workshop/training/seminar was useful.
   ✓ Very Satisfied   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

4. The content of the workshop/training/seminar/course was well-planned.
   ✓ Very Satisfied   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

5. The materials provided were relevant.
   ✓ Very Satisfied   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

6. The knowledge and skills I acquired from the workshop/training/seminar/course are of relevance to my work/are applicable to many aspects of my work.
   ✓ Very Satisfied   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

7. Broadly educated and will have an understanding of ethical responsibilities.
   ○ Very Satisfied   ✓ Satisfied   ○ Good   ○ Average   ○ No Answer

8. Clearly understanding the value of updating their professional knowledge to engage in life -long learning.
   ○ Very Satisfied   ✓ Satisfied   ○ Good   ○ Average   ○ No Answer

9. Demonstrate the ability to apply advanced technologies to solve contemporary and new problems.
   ○ Very Satisfied   ✓ Satisfied   ○ Good   ○ Average   ○ No Answer

10. Awareness to apply engineering solutions in global, national, and societal contexts.
    ○ Very Satisfied   ✓ Satisfied   ○ Good   ○ Average   ○ No Answer

11. Ability to participate as members of multidisciplinary design teams along with mechanical, electrical, Computer Science and other engineers.
    ✓ Very Satisfied   ○ Satisfied   ○ Good   ○ Average   ○ No Answer

12. The duration of the workshop/training/seminar/course was just right.
    ○ Very Satisfied   ✓ Satisfied   ○ Good   ○ Average   ○ No Answer

13. The workshop/training/seminar/course has met the stated objectives fully.
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

14. I would be interested in attending a follow-up, more advanced workshop on this same subject
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

15. What rating would you like to rate for the event?
   o Very Satisfied   o Satisfied   o Good   o Average   o No Answer

Please rate the following:

		Excellent	Very Good	Good	Fair	Poor
a.	Visuals	☑	☐	☐	☐	☐
b.	Acoustics	☑	☐	☐	☐	☐
c.	Meeting space	☑	☐	☐	☐	☐
d.	The program overall	☑	☐	☐	☐	☐

Any suggestions for improvement?

_____

_____

COORDINATOR

SIGNATURE

TRAINER FEEDBACK
eYANTRA WORKSHOP (11-12 Oct 2019)

Arrangement

- good proper arrangements
- friendly staffs & co-ordinators.
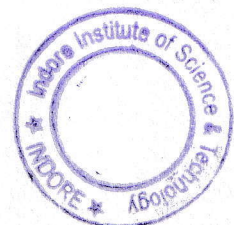- nice homely food
- fine stay.

Workshop

- great participants
- very quick to grasp concepts.
- venue was also apt.
- interactive participants

Aditya Panwar

Arjun Sadananda

Vikrant Fernandes.

COORDINATOR

Indore Institute of Science & Technology

To,
Prof. Kavi Arya
IIT Bombay,
Mumbai

Reimbursement of Expenses

S. No.	Date	Particulars	Total	Remark
1.	10-10-2019	Travel from Airport to IIST	210.00	Refer Annexure 1
2.	13-10-2019	Travel from IIST to Airport	210.00	Refer Annexure 1
3.	10-10-2019 to 13-10-2019	Accommodation	4500.00	Refer Annexure 1
Total (A)			**4920.00**	
4.	11-10-2019	Breakfast, Lunch and Snacks	11550.00	Refer Annexure 2
5.	12-10-2019	Breakfast, Lunch and Snacks	7560.00	Refer Annexure 3
Total (B)			**19110.00**	
Total (A+ B)			**24030.00**	

Head of Department,
Electronics and Communication
(Organizing Department)

Principal, IIST
PRINCIPAL
Indore Institute of Science & Technology
RAU, INDORE (M.P.)

Prem Shree Caterers

Mob:9425059218
8319587515

PARCEL FOOD ORDER

Order By: IIST

Department: EC (E-yantra) workshop on Robotics

KOT No. IIT Bombay

Date. 12/10/19

Pick-up Time.............

Qty.	Particulars
36	Breakfast @ 30 = Rs. 1080/-
36	lunch @ 160 = Rs 5760/-
36	Evening Snacks @ 20 = Rs 720/-
	with tea
	total = Rs 7560
	Grand Total 11/10/19 = 11550/-
	12/10/19 = 7560/-
	total Amount Rs = 19110/-
	Jagdish
	Order Sign.

Prem Shree Caterers

Mob:9425059218
8319587515

PARCEL FOOD ORDER

Order By: .....IIST.....

Department .....EC (E-yantra) workshop on Robotics.....

KOT No. .....IIT Bombay.....   Date.....11/10/19.....

Pick-up Time.............

Qty.	Particulars
55	Breakfast @ 30 = Rs. 1650/-
55	lunch. @ 160 = Rs. 8800/-
55	Evening Snack with Tea @ 20 = Rs. 1100/-
	Total = Rs 11550/-
	Jagdish
	Order Sign.

Request to register for Electronic Clearing Service/ RTGS & NEFT facility for receiving payments from IIT Bombay

REQUEST-ID :- BREG-12088

Dear Sir,

I/We wish to submit my/our bank details which should be used for making electronic payments towards goods or services supplied / received by 'INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY'.

Details of Indian Ext.User / Vendor are provided below :

Ext.User / Vendor Name	INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY
PAN Number	AABAS3763Q (Service Vendor : No, TDS_Rate : N/A)
GST-IN Number	GST_NOT_REG
Contact address	OPPOSITE IIM, RAU PITHAMPUR ROAD, RAU, INDORE, Madhya Pradesh, India, Pincode/Zipcode - 453331
Telephone no	8224052940
Authorised Contact Email-ID	ec@indoreinstitute.com

Bank Account Details

Company Bank Acc Name	INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY
Account No.	50200032357825
Account Type	Current
IFSC Code	HDFC0003855
Bank Name	HDFC BANK LIMITED
Branch Name (Code)	SIYAGANJ INDORE (502000) 3855
MICR No	452240016
Branch Address	25 M G ROAD OPPOSITE DISTRICT COURT SIYAGANJ INDORE

It is confirmed that the bank account is in an RTGS enabled branch. I/We hereby declare that the particulars given above are correct and complete.

Following documents have been attached to validate my/our bank details.

1. Cancelled cheque (bearing bank account number, bank IFSC code) or Online Account statement endorsed by bank and
2. Self-attested photocopy of PAN Card

For INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

I/We understand that bank details given above shall be registered only if attached documents are found to be in order.

Regards,

Authorised Signatory

Date: _____

Authorized signatory (of the company with Seal)
[Name: INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY]

Certified that the particulars furnished above are correct as per our records.

Date: _____

Signature of the Authorized Bank signatory with Seal
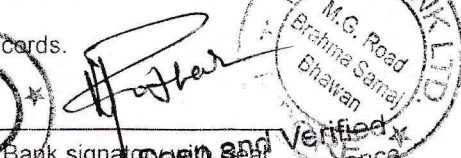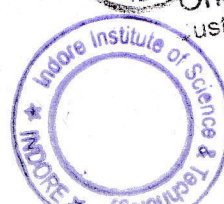
Original Seen and Verified
Customer Signed in my Presence
Name - Naina Kothari
Emp. Code - N8566

Please send duly signed document with requisite enclosures to: "MDM-Desk, ASC, 406, 4th Floor, New Computer Centre, IIT Bombay, Powai, Mumbai, India, Pincode - 400076"

Account Branch : SIYAGANJ
Address : 25 MG ROAD,
BRAHMA SAMAJ BHAWAN,
OPPOSITE DISTRICT COURT, SIYAGANJ,
City : INDORE 452007
State : MADHYA PRADESH
Phone no. : 0731-6160616
OD Limit : 0.00
Currency : INR
Email : RB@INDOREINSTITUTE.COM
Cust ID : 115699522
Account No : 50200032357825   NEW DEEMED HNW RBB
A/C Open Date : 13/07/2018
Account Status : Regular
RTGS/NEFT IFSC: HDFC0003855   MICR : 452240016
Branch Code : 3855   Product Code : 762

M/S. INDORE INSTITUTE OF SCI AND TECHNOLOGY
C/O INDORE INSTITUTE OF SCI AND TEC
DEHRI PITHAMPUR ROAD RAO
OPP IIM
INDORE 453331
MADHYA PRADESH INDIA

JOINT HOLDERS :

Nomination : Not Registered

From : 14/11/2019   To : 15/11/2019

Statement of account

Date	Narration	Chq./Ref.No.	Value Dt	Withdrawal Amt.	Deposit Amt.	Closing Balance
14/11/19	28060870TERMINAL 1 CARDS SETTL. 14/11/19	000000000000000	14/11/19		178,580.00	1,173,355.58
14/11/19	IMPS-931813718659-MUKESHSOHALKEPRASADC-H DFC-XXXXXXXXXX2008-SUDHIRCHOUDHARY	0000931813718659	14/11/19		24,000.00	1,197,355.58
14/11/19	NEFT DR-SBIN0003432-INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY-SIYAGANJ-N3181909 81733915	0000000000000667	14/11/19	500,000.00		697,355.58
14/11/19	NEFT DR-BARB0COLIND-VISHAL SHARMA-SIYAGA NJ-N318190981766675	0000000000000664	14/11/19	18,000.00		679,355.58
14/11/19	NEFT DR-ICIC0000041-JAI VIJAYVARGIYA-SIY AGANJ-N318190981764055	0000000000000662	14/11/19	21,600.00		657,755.58
14/11/19	FT - DR - 50100239325917 - SHAIL EDUCATI ONAL AND WELFARE SOCIETY	0000000000000668	14/11/19	300,000.00		357,755.58
14/11/19	CASH DEP SIYAGANJ	000000000000000	14/11/19		60,000.00	417,755.58
14/11/19	NEFT DR-SBIN0002865-JITENDRA SINGH RAJPU T-SIYAGANJ-N318190981874178	0000000000000661	14/11/19	21,600.00		396,155.58
14/11/19	NEFT DR-KKBK0000751-SANTOSH PARMAR-SIYAG ANJ-N318190981868780	0000000000000663	14/11/19	28,800.00		367,355.58
14/11/19	NEFT DR-PUNB0404800-AJAY KURMI-SIYAGANJ- N318190981888818	0000000000000666	14/11/19	8,400.00		358,955.58
14/11/19	NEFT DR-PSIB0000734-AJAY JAIN-SIYAGANJ-N 318190981884431	0000000000000660	14/11/19	4,400.00		354,555.58
14/11/19	NEFT DR-BKID0008863-YOGESH RAM SINGH MAL VIYA-SIYAGANJ-N318190981889718	0000000000000665	14/11/19	8,000.00		346,555.58
15/11/19	CHQ PAID-MICR CTS-MUMBAI CLEAR	0000000000000651	15/11/19	7,917.00		338,638.58
15/11/19	28060870TERMINAL 1 CARDS SETTL. 15/11/19	000000000000000	15/11/19		109,000.00	447,638.58

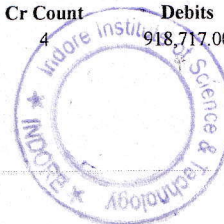**STATEMENT SUMMARY :-**

Opening Balance	Dr Count	Cr Count	Debits	Credits	Closing Bal
994,775.58	10	4	918,717.00	371,580.00	447,638.58

आयकर विभाग   भारत सरकार
INCOME TAX DEPARTMENT   GOVT. OF INDIA

SHAIL EDUCATIONAL AND WELFARE SOCIETY

05/09/2002
Permanent Account Number

AABAS3763Q

29062011

For INDORE INSTITUTE OF SCIENCE & TECHNOLOGY

R.S. Chandani

Authorised Signatory

इस कार्ड के खोने / पाने पर कृपया सूचित करें / लौटाए :
आयकर पैन सेवा इकाई, एन.एस.डी.एल.
तीसरी मंज़िल, सफायर चेंबर्स,
बानेर टेलिफोन एक्सचेंज के नजदीक
बानेर, पुना - 411 045.

*If this card is lost / someone's lost card is found,
please inform / return to :*
Income Tax PAN Services Unit, NSDL
3rd Floor, Sapphire Chambers,
Near Baner Telephone Exchange,
Baner, Pune - 411 045

Tel: 91-20-2721 8080, Fax: 91-20-2721 8081
e-mail: tininfo@nsdl.co.in
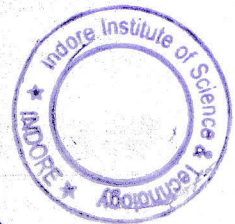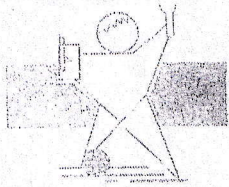
IPSA/IES/EC/19-20/159

Date: 30/09/2019

NOTE

Workshop participation under project E-Yantra IIT Bombay

Following faculty members are deputed for participating in E-Yantra IIT Bombay workshop scheduled on Oct. 11-12, 2019 (Two Days) at IIST Indore.

1. Mr. Amit Pathak
2. Mr. Amiteshwar Bhalavi
3. Mr. Sunny Bagga

The above Workshop does not has any financial burden, duty leave on Oct. 11-12, 2019, is requested for the same.

Rupesh Dubey
HOD, EC

To

Principal
IPSA, IES

Aditya Panwar

--
Mumbai

Experience

e-Yantra, IIT Bombay
5 years 10 months

Assistant Project Manager
May 2018 - Present (3 years)
Mumbai Area, India

Senior Project Technical Assistant
July 2015 - May 2018 (2 years 11 months)
Mumbai Area, India

Education

Kurukshetra University
Bachelor of Technology - BTech, Electrical, Electronic and Communications
Engineering Technology/Technician · (2011 - 2015)
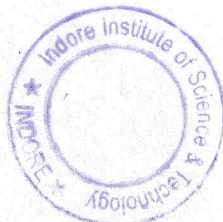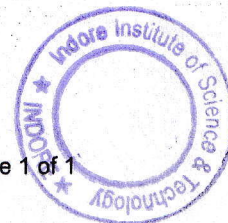
Contact

www.linkedin.com/in/arjun-
sadanand-625962122 (LinkedIn)

Top Skills

Leadership
Public Speaking
OpenCV

Languages

Hindi
English

Certifications

Machine Learning by Stanford
University on Coursera

Applied CS with Android

Control of Mobile Robots by Georgia
Institute of Technology on Coursera

Honors-Awards

Automata: Winners

Arjun Sadanand

Sr. Project Technical Assistant at e-Yantra, IIT Bombay
Karnataka

Experience

e-Yantra, IIT Bombay
Sr. Project Technical Assistant
June 2019 - Present (1 year 11 months)
IIT Bombay, Powai

CSD ROBOCON NITK
Founder and Team Leader
July 2017 - June 2019 (2 years)
National Institute of Technology Karnataka, Surathkal

Founded the team under the Center for System Design, NITK Surathkal in
2017. The lead designer of the robots shown in the description.

NITK Students' Council
Class Representative
August 2015 - May 2016 (10 months)
NITK

Member of the student council of NITK Surathkal for the academic year
2015-16.
Co-Initiated the CleanMyCampus initiative which went on to become the
GreenBrigade under the NSS-NITK.

Education

National Institute of Technology Karnataka
Bachelor's Degree, Mechanical Engineering · (2015 - 2019)
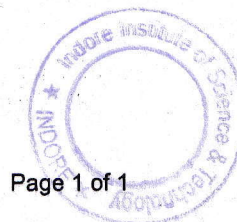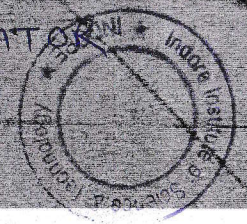
ELECTRONICS & COMMUNICATION
ENGINEERING DEPARTMENT

COORDINATOR

IIST

October 12th, 2019

To,

Mr. ABHISHEK SINGH

G.G. I.T.S., INDORE

Dear Sir / Madam,

Greeting from IIST!

We thank you for attending the "e-Yantra Workshop (FDP) on Robotics" for two days i.e. October 11th -12th, 2019 conducted by the resource persons from e-Yantra IIT Bombay held at IIST, Indore.
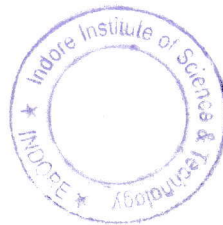
We look forward for your continued support and participation in all future events.

Happy Roboting!!

Mr. Ankit Jain
H.O.D, ECE

Dr. V. R. Raghuveer
Principal, IIST

October 12th, 2019

To,

Mr. Zohaib Hasan

G.G.I.T.S., Indore

Dear Sir / Madam,

Greeting from IIST!

We thank you for attending the "e-Yantra Workshop (FDP) on Robotics" for two days i.e. October 11th -12th, 2019 conducted by the resource persons from e-Yantra IIT Bombay held at IIST, Indore.
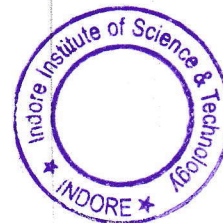
We look forward for your continued support and participation in all future events.

Happy Roboting!!

Mr. Ankit Jain
H.O.D, ECE

Dr. V. R. Raghuveer
Principal, IIST

DATE: 15 Oct 2019

Report

IIT Bombay e-Yantra team is going to organize two days FDP on Robotics on 11th -12th October 2019 in Indore Institute of Science & Technology (IIST) Indore. The main objective of this workshop is to enable colleges for teaching Robotics and Embedded systems in an effective manner. IIST is a partner institute of eYantra project. Under this project, e-Yantra Lab Setup Initiative (eLSI) is designed as a scalable and sustainable approach that addresses infrastructure creation and teacher training – to create an eco-system at the colleges to impart effective engineering education. Representative from different engineering colleges will be participating in this E-yantra robotics wokshop cum FDP.

Coordinator

HOD, ECE