



Alva's Institute of Engineering & Technology
Shobhavana Campus, Mijar, Moodbidri, D.K - 574225
Phone: 08258-262725, Fax: 08258-262726
DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

From,

Date: 02-01-2018

Dr. D V Manjunatha
Head of the Department
E & C Engineering
Alva's Institute of Engineering and Technology
Moodbidri.

To,

The Principal
Alva's Institute of Engineering and Technology
Moodbidri.

Respected Sir,

**Sub: Requisition for Conducting FDP Introduction to Robotics from
June 11th, To 12th 2019 reg:-**

With reference to the above subject, we are planning to conduct FDP on
Introduction to Robotics June 11th, To 12th 2019. So I kindly request you to grant
the permission for conducting the FDP.

Thanking you

Your's faithfully

Dr. D V Manjunatha
Head of the Department
H O D.

Dept. Of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Dr. Peter Fernandes
The Principal
AIET Moodbidri.
PRINCIPAL

Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K.



E - Yantra workshop 11th and 12th June 2019

Sl no	Name	College name	11/06/19		12/06/2019	
			FN	AN	FN	AN
1.	Chethan R	SMVITM, BANTAKAL	ch	ch	ch	
2.	Bharath P	KBGCE, SULLIA KVGCE	Bharath	Bharath	Bharath	
3.	Sagar U S	SIT MANGALORE	Sagar	Sagar	Sagar	
4.	Shivu manjesh P	POOJA BHAGAVAT M M PG Centre, Mysore	Shivu P	Shivu P	Shivu P	
5.	Yashaswini J	POOJA BHAGAVAT M M ———	Yashaswini	Yashaswini	Yashaswini	
6.	Shivaprasad	VCET, PUTTUR	Shivaprasad	Shivaprasad	Shivaprasad	
7.	Rajani Rai B	VCET, PUTTUR	Rajani	Rajani	Rajani	
8.	Akshay Kumar	VCET, PUTTUR	Akshay	Akshay	Akshay	
9.	Ashwith Kumar M S	VCET, PUTTUR	Ashwith	Ashwith	Ashwith	
10.	Venkatesh	AIET, MOODBIDRI	Venkatesh	Venkatesh	Venkatesh	
11.	Raghavendra Havaladar	AIET, MOODBIDRI Mangalore AJIET,	Raghavendra	Raghavendra	Raghavendra	



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12.	Terance Fernandes	AIET, MOOBBIDRI ↑ Mangalore				
13.	Shreyas H	AIET, MOOBBIDRI ↑ Mangalore	AJEE, Mangaluru			
14.	Jayaprakash	AIET, MOOBBIDRI				
15.	Nishma	AIET, MOOBBIDRI				
16.	Udaya	SNMP MOOBBIDRI				
17.	P.Rakesh-Mallya mallya	SIT MANGALORE				
18.	Allan D'mello Allan Roshan Dmello	CHRIST KING KARKALA Institutions, Karkala				
19.	Rashmi N	BMSIT				
20.	Shruthi J	BMSIT				
21.	S. Nithya P	BMSIT				
22.	Raghuveera P	SDMIT UJIRE				
23.	Rajendra Hobalidar	BHANDARKAR'S ARTS & SCIENCE COLLEGE KUNDAPUR				
24.	Mukunda	BHANDARKAR'S ARTS & SCIENCE COLLEGE KUNDAPUR				
25.	Swathi	BHANDARKAR'S ARTS & SCIENCE COLLEGE KUNDAPUR				



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26.	Amrutha C	BHANDARKAR'S ARTS & SCIENCE COLLEGE KUNDAPUR	<i>Amrutha C</i>	<i>Amrutha C</i>	<i>Amrutha C</i>	
27.	Shashank S	SIT MANGALORE	<i>Shashank S</i>	<i>Shashank S</i>		
28.	Avinash S H. S	SIT MANGALORE	<i>Avinash S H. S</i>	<i>Avinash S H. S</i>		
29.	MOHAMMED SALEEM	PACE, MANGALURU	<i>MOHAMMED SALEEM</i>	<i>MOHAMMED SALEEM</i>		
30.	MOHAMMED SAIFUDDIN	PACE, MANGALURU	<i>MOHAMMED SAIFUDDIN</i>	<i>MOHAMMED SAIFUDDIN</i>		
31.	HABEER UR REHMAN	PACE, MANGALURU	<i>HABEER UR REHMAN</i>	<i>HABEER UR REHMAN</i>		
32.	PARIKSHITH NAYAKA S.K	A IET, Moodbidri	<i>PARIKSHITH NAYAKA S.K</i>	<i>PARIKSHITH NAYAKA S.K</i>	<i>PARIKSHITH NAYAKA S.K</i>	
33.	DEEPAK RAJ	A IET, Moodbidri	<i>DEEPAK RAJ</i>	<i>DEEPAK RAJ</i>	<i>DEEPAK RAJ</i>	
34.	HIMANSHU RANGADHOL	A IET, Moodbidri	<i>HIMANSHU RANGADHOL</i>	<i>HIMANSHU RANGADHOL</i>	<i>HIMANSHU RANGADHOL</i>	
35.	YUVARAJ . T	A IET, Moodbidri	<i>YUVARAJ . T</i>	<i>YUVARAJ . T</i>	<i>YUVARAJ . T</i>	
36.	SANTHOSH S	A IET Moodbidri	<i>SANTHOSH S</i>	<i>SANTHOSH S</i>	<i>SANTHOSH S</i>	
37.	NISHIMA	A IET, Moodbidri	NISHIMA			
38.	TANYA MENDEZ	A IET, Moodbidri	<i>TANYA MENDEZ</i>	<i>TANYA MENDEZ</i>	<i>TANYA MENDEZ</i>	
39.	Pramod Kumar N	Dept of Mech, A IET, Mijar	<i>Pramod Kumar N</i>	<i>Pramod Kumar N</i>	<i>Pramod Kumar N</i>	
40.	Hemanth suvarna	Dept. of Mech A IET,	<i>Hemanth suvarna</i>	<i>Hemanth suvarna</i>	<i>Hemanth suvarna</i>	
41.	Jaganprakash	Dept. of ECE, A IET	Jaganprakash	Jaganprakash	Jaganprakash	

D.V.V.
H.O.D.

Dept. of Electronics & Communication
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225



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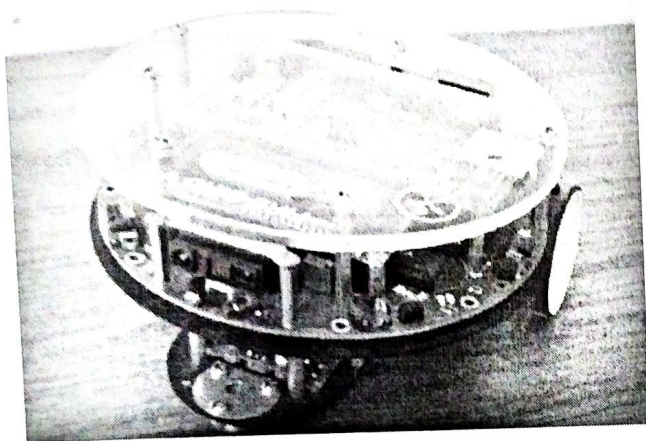
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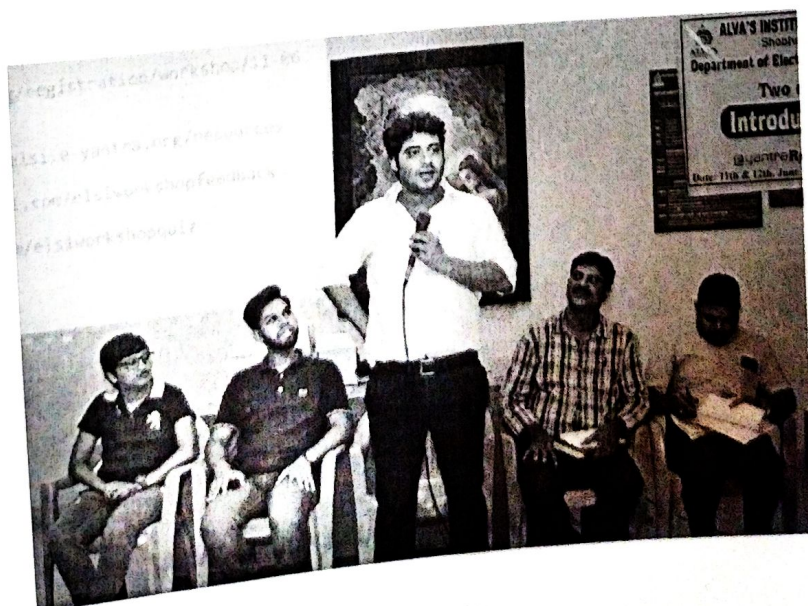
Report On Introduction to Robotics FDP

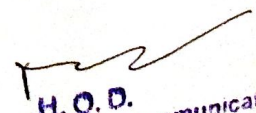
The two day Faculty Development Program on "Introduction to Robotics" organized by the Department of Electronics and Communication Engineering in association with Eyantra Robotics Lab, IIT Bombay commenced on June 11th, 2019 in the Internet Lab, AIET at 9:30 a.m. The workshop was conducted by e-Yantra project team, IIT Bombay comprising of Ms. Rutuja and Mr. Prasad. e-Yantra project from IITB is sponsored by the Ministry of Human Resource Development (MHRD), under the National Mission for Education through ICT (NMEICT) to provide hands-on learning-infrastructure to engineering students who have limited access to labs and mentors. The project supports various Engineering colleges to setup Robotics lab in their colleges. Dr. D.V Manjunatha, HOD, Department of Electronics and Communication Engineering gave a brief introduction about the Robotics Research Lab and then briefed out the proceedings of the workshop. Ms. Rutuja, the resource person from e-Yantra project IIT Bombay, spoke about the e-yantra, which is an initiative by IIT Bombay that aims to create the next generation of embedded systems engineers with a practical outlook to help provide practical solutions to some of the real world problems and also briefed out the opportunities and advantages involved in e-yantra.

Following the inauguration, the FDP proceeded to hands on training session. This session was conducted by Ms. Rutuja and Mr. Prasad, Project Technical Assistants, e-Yanta, IIT Bombay.



The training covered introduction to the Firebird V robot, introduction to AVR microcontroller and programming environment, simple motion control using I/O ports, robot velocity control using pulse width modulation, sensor interfacing, interrupt programming, closed loop position control of robot using position encoders. At the end of the hands on, participants had completed the projects on zig-zag line following robot, obstacles avoiding navigation etc.



D.V. 
H.O.D.
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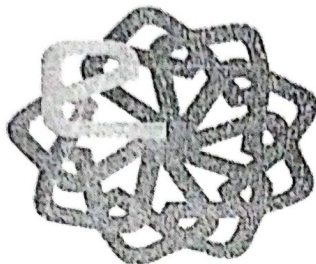
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e-Yantra

Engineering a better tomorrow

ERTS Lab
Department of Computer Science and Engineering
Indian Institute of Technology Bombay
Powai, Mumbai-400 076



Certificate of Completion

This is to certify that *Chesmi B R*, a student of *Alva's Institute of Engineering and Technology, Dakshina Kannada* has participated in the *e-Yantra Robotics Competition (eYRC-2018)*.

He/She is a member of the team having the following participants,

1. *Chesmi B R*
2. *Patel Davis Shashikant*
3. *Karthik J*
4. *Anji Thomas*

This team has successfully completed all the assigned tasks in *Homecoming* theme.

Karthik J.

Prof. Kavi Arya
Principal Investigator, e-Yantra
Professor
Department of Computer Science and Engineering
Indian Institute of Technology Bombay



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

Certificate of Merit awarded to final winner
Certificate of Completion awarded to teams for completing all the tasks of the competition
Certificate of Participation awarded to teams for partial completion of tasks in the competition
Letter of Participation awarded as an acknowledgment of participation on e-Yantra platform



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E-Yantra robotic Principal Meet and Workshop Expenditure

Name of the event : E-yantra robotics Principal Meet
Dept. organizing the event : ECE
Co-ordinators : Mr. Santhosh S & Mr. Deepak Raj

474

SI. No.	Particulars	Quantity	Amount Paid
1.	Principal Meet Bouquet	1	150/-
2.	Workshop Bouquet	3	270/-
3.	Roses	13	70/-
4.	Flowers for Lamp		50/-
5.	Oil		80/-
6.	Cashew Nuts and Biscuits	3	432/-
	Total		1,052/-

7 water bottles

20

200/-
1,252/-

Mr. Santhosh S
e-yantra Coordinator.

Dr. Peter Fernandes
The Principal
AIET Moodbidri

Mr. Vivek Alva
Managing Trustee
AIET Moodbidri

Note:- Please pay the
amount of 1,252/- to
Mr. Santhosh S
Assistant Professor
ECE Department

AIET Mijar
Phone:- 95 35 62 33 18

Details of Workshop team for Principal's meet followed by Two Day Workshop at Alva's Institute of Engineering and Technology, Moodabidri, Karnataka on 10th to 12th June 2019

Prasad Trimukhe <prasadtrimukhe@gmail.com>

Thu, May 30, 2019 at 2:51 PM

To: santhosh.s.nayak@gmail.com, deepakraj@aiet.org.in

Cc: rattzzz07@gmail.com, Kavi Arya <kavi.arya@gmail.com>, support@e-yantra.org, e-Yantra Lab Setup Initiative <elsi_team@e-yantra.org>, Vivek_alva@yahoo.co.in

Dear Sir/Madam,

Greetings from e-Yantra!

This is to inform you about the details of the team 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: Ms. Rutuja Ekatpure
Contact Number: 9665924979
e-mail ID: rattzzz07@gmail.com

Name: Mr. Prasad Trimukhe
Contact Number: 8898119689
e-mail ID: prasadtrimukhe@gmail.com

We will be arriving at Mangaluru Airport, Karnataka by Flight AI 679 on 10th June 2019, Monday, 12:00 PM. We request you to arrange for the team's transport from Mangaluru Airport to the College as we will be carrying large suitcases with Robotic Kits for the workshop besides other luggage. We would like to go directly to the workshop venue as we have to make sure that the Desktop Computers have the required drivers.

We will be leaving from Mangaluru by Flight SG 6250 on 12th June 2019, Wednesday, 07:30PM.

For the purpose of our stay, it is our request that you provide us accommodation in your college Guest House. If the Guest House is not available, please provide names of nearby hotels for which we will do the bookings.

The following are the minimum requirements for the workshop:

1. 15 Desktop Computers/Laptops: Operating System: Windows 7, 8 or 10 (No Linux based system)
Processor: Intel Core i3 and above
RAM: 2GB 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 and Screen
5. Microphone and PA system

Thanks

Prasad Trimukhe
Sr. Project Technical Assistant, e-Yantra
ERTS Lab, CSE Dept, IIT Bombay
+91 8898119689

CCP Lab
4
20/5/19

Accommodation
Shobhanna
Good Cottages
Pick up
One vehicle
30/5/19



ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOODBIDRI
Department of Electronics & Communication Engineering

Introduction to Robotics
June 11th, To 12th 2019
FEEDBACK ANALYSIS

	Strongly agree	Agree	Neutral	Disagree
1.The objective of the training were clearly defined	40%	23%	20%	17%
2. Participation and interaction are encouraged	47%	40%	9%	4%
3.The topics covered were relevant to me	47%	44%	10%	0%
4.The content was organized and easy to follow	39%	49%	8%	4%
5.This training experience will be useful to my work	19%	61%	10%	10%
6.The trainer was knowledgeable about the training topics	17%	50%	7%	5%
7.The trainer was well prepared	53%	30%	14%	3%
8.The training objectives were met	61%	22%	16%	01%
9.The time allotted for the training was sufficient	50%	30%	10%	10%
10.The meeting room and faculties were adequate and comfortable	49%	40%	10%	01%

Action Taken:

Coordinator 



HOD

H. O. D.

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Introduction to Robotics
June 11th, To 12th 2019

FEEDBACK FORM

	Strongly agree	Agree	Neutral	Disagree
1. The objective of the training were clearly defined	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2. Participation and interaction are encouraged	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3. The topics covered were relevant to me	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4. The content was organised and easy to follow	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5. This training experience will be useful to my work	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6. The trainer was knowledgeable about the training topics	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7. The trainer was well prepared	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8. The training objectives were met	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9. The time allotted for the training was sufficient	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10. The meeting room and facilities were adequate and comfortable	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Suggestions (if any)

Very Useful