DADI INSTITUTE OF ENGINEERING & TECHNOLOGY
(Approved by A.I.C.T.E., New Delhi & Affiliated to JNTUK, Kakinada)
A NAAC Accredited Institute
An ISO 9001:2008; ISO 14001:2004 & OHSAS 18001:2007 Certified Institution
NH-5, Anakapalle – 531002, Visakhapatnam, A.P.
Mobile: +91 9963981111, Website: www.diet.edu.in, E-mail: info@diet.edu.in

Circular

This is to inform all the students that Project Review Committee is going to conduct a Two Day Workshop on **Introduction to Robotics** on 12th and 13th July 2019 from 8:30 am onwards in Seminar Hall I. Students are instructed to actively participate in the event.

R&D Convener

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Date: 04-07-2019

Anakapalle

To

The Principal,

Dadi Institute of Engineering & Technology

Anakapalle, Visakhapatnam.

Sub:

Respected Sir,

We, the Research Committee, would like to conduct a Two day workshop on **Introduction to Robotics** on 12th and 13th July 2019. In this regard, we request you to give us approval to conduct this event in Seminar Hall I from 8:30 am onwards on the above mentioned dates.

Thank You Sir,

Yours faithfully

R&D Convener

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e-YantraBrochure

Fig 1: E-Yantra Brochure

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List of Students:

ALLA VIJAY KUMAR
AMARAPINNI HEMANTH SAI KUMAR
ANAKAPALLI NAGENDRA
ARJILLI KONDA BABU
BABBODI PAPINAIDU
BENARJEE VAMSI BHEEMUNI
BHEEMISETTY SAI PRAVEEN
BODDETI MUSILI NAIDU
BOKKA LAKSHMI NARAYANA MANIKANTA
CHIKKALA SAI SIRISHA
DADI RAVITEJA
DARLA MAHESH
DASARI SAI
DHANAKONDA SIVA
DODDI SRITEJA
DUNDURTHI ARUNA
EEGALA KUMAR
GANTA GOWTHAM KUMAR
GARIKI LAKSHMAN
JALLA VISWASWARAO
UPPILI JAYANTH
KAMPARA CHANDU
KANDREGULA GANESH
KANDREGULA SANJAY
KARANAM PAVANI
KAREDLA DILEEP KUMAR
KARNAM SYAM KUMAR
KARRI SWETHA
KASIREDDI CHANDRIKA
KOMMANAPALLI VENKATA CHAITANYA
KONATHALA MADHU
LANKI VIJAY KUMAR
LEKKALA TARUNKUMAR
LOKIREDDY SUNIL
MAJJI PREM KUMAR
MALLA SAI
MOTURI VENKATESH
MUMMINA LOWKYA
OBIREDDY LOKESH

PAMALA LOHITH KUMAR
PENTAKOTA MURARI
PRAMUDULA PAVAN KUMAR
RANGALA SATYA JAGADEESH
SADI PADMANABAM
SALAPU SAI GANESH
SANKARLA SANTHOSH SANDEEP
SEETHINI MOUNIKA
SEERAM SAI
SESETTI NARENDRA
SETTI VENKATA PADMAVATHI
SHAIK JALALUDDIN
SIRASAPALLI SAI KUMAR
SURISETTI SOMESH MAHA LAKSHMI NAIDU
SURISETTY UDAYA KIRAN
VANAPALLI HARISANKAR DINESH
VEERESWARAPU VARAHA VENKATA SATYA NARENDRA
VEGI SYAM KUMAR
VINDULA CHARAN SAI TEJA
YEDDU ARAVIND KUMAR
CHUKKA MANIKANTA
KARRI KESAVA
GORLI GANESH
GANISETTY HARSHAVARDHAN
KOYYA NAVEEN
VIYYAPU SIRISHA
SANDRANI BHANU SREE
MUTYALA GANGESWARA RAO
AITHA MOHANKAVYA
BODDAPU KUMAR
BUDDHA SAI
DEVADULA SRI SAI SAMPATH
DODDI ADI NAGA MAHA VENKATA SAI PRIYA
GALI ANITHA
JETTI PADMA PRIYA

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TwoDayWorkshop on IntroductiontoRobotics REPORT

12–13 July,2019

Organized by
Project Review Committee,Dadi Institute of Engineering & Technolog

in Association with

e-Yantra,IIT Bombay

ProjectReviewCommitteeofDadiInstituteofEngineering&Technology(DIET) has successfully organized a Two Day Workshop on "Introduction to Robotics" through the e-Yantra Lab Setup Initiative (eLSI) in association with IIT, Bombay to achieve a sustainable and scalable solution for better engineering education in colleges and train better engineers for India.

e-Yantra

e- Yantra is a project supported by MHRD through the National Mission on EducationthroughICT(NMEICT)withProf.KaviArya,Professor,IITBombayasPrincipalInvestigator,tospreadEmbeddedsystemsandRobotics education targeting Colleges, Teachers and Students. e-YantranaturallylendsitselfmotivatingexcitingB.Tech.Projectswherestudents canlearnthroughhands-onexperimentswiththerobots.Theprojectis where practical engineering skills get honed

e-Yantra Provides The Following Support:

1. Two-DayworkshoponBasics
2. Extended Hands-onTaskBasedTraining(TBT)
3. Roboticskits tocolleges thatsuccessfully participate ineLSi
4. ConsultancyandsupportforsettingupaRoboticsLab
5. Continued support through various other initiatives such as, e-Yantra Resource Development Center[eYRDC] and e-Yantra Symposium[eYS]

WorkshopSchedule

WorkshopSchedule	
Day1:	
8:30AMto09:15AM	Registration+Tea
09:15AMto09:45AM	Inauguration--Lightingoflamp;Overviewofe-Yantra
09:45AMto11:00AM	IntroductiontoFireBirdVrobot
11:00AMto01:00PM	IntroductiontoAVRMicro-controllerandProgrammingenvironment
01:00PMto02:00PM	Lunch Break
Handson Session	
02:00PMto03:30PM	SimpleMotionControlusingI/Oports
03:30PMto03:45PM	Teabreak
03:45PMto05:15PM	Robotvelocitycontrolusingpulsewidthmodulation
Day2:	
HandsonSession	
09:30AMto10:45AM	IntroductiontoLCD interfacing
10:45AMto11:00AM	TeaBreak
11:00AMto01:00PM	AnalogsensorinterfacingusingAnalogtoDigitalconversion
	*Interfacingwithwhitelinesensors
	*InterfacingwithInfraredrangefindersensor
01:00PMto02:00PM	Lunch Break
02:00PMto03:30PM	Interruptprogramming
	*Closedlooppositioncontrolofrobotusingpositionencoders
03:30PMto03:45PM	Teabreak

03:45PMto04:15PM	Robotprogrammingforwhiteline following
FeedbackSessio n	
04:15PMto05:00PM	Quizandfeedback
05:00PMto05.30PM	Concludingsession

Valedictory of Workshop

Valedictory of Workshop is grandly conducted in DIET. e-Yantra team distributed Robots worth Rs. 35000/ to all colleges who participated in the event. They also gave opportunity to DIET and other colleges for working as TBI and invited our staff and student participate in competitions held in IIT Mumbai. They are impressed by seeing the enthusiasm of learning in participants. The total event was covered by press and full page printed in Eenadu district edition.

Fig1:Participants receiving Robots

Fig 2: Active participation of facultymembers

Fig3: Valedictory function group photo

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1. Has the Workshop attained its objectives
□ Yes
□ No

2. Workshop was relevant to my needs
□ Strongly agree
□ Agree
□ Neutral
□ Disagree
□ Strongly disagree

3. Instructions were clear and understandable
□ Strongly agree
□ Agree
□ Neutral
□ Disagree
□ Strongly disagree

4. Content was well organised
□ Strongly agree
□ Agree
□ Neutral
□ Disagree
□ Strongly disagree

5. Was the Duration of the training sufficient.
□ Yes
□ No

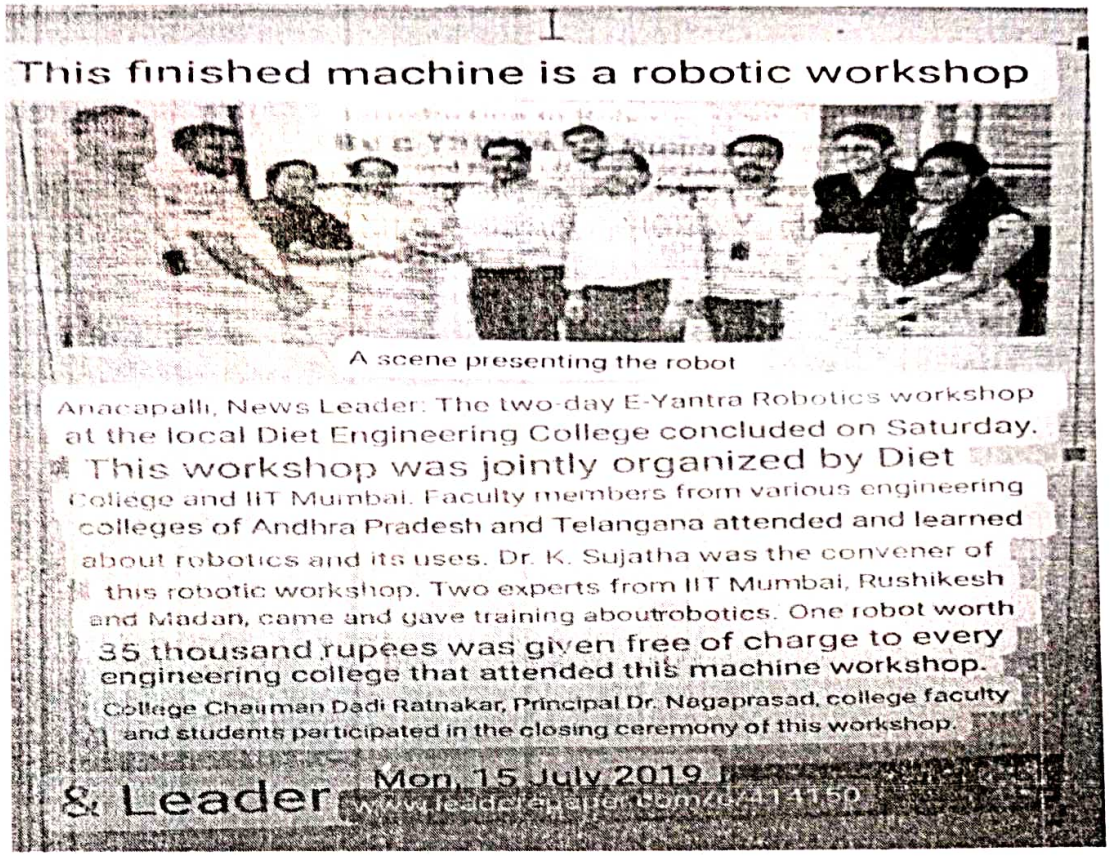
6.Resource persons were effective.
□ Strongly agree
□ Agree
□ Neutral
□ Disagree
□ Strongly disagree

7. Queries were encouraged
□ Strongly agree
□ Agree
□ Neutral
□ Disagree
□ Strongly disagree

8. Any additional remarks

9. Overall how would you rate this event

□ Excellent
□ Very good
□ Good
□ Fair
□ Poor



This finished machine is a robotic workshop

A scene presenting the robot

Anacapalli, News Leader: The two-day E-Yantra Robotics workshop at the local Diet Engineering College concluded on Saturday. This workshop was jointly organized by Diet College and IIT Mumbai. Faculty members from various engineering colleges of Andhra Pradesh and Telangana attended and learned about robotics and its uses. Dr. K. Sujatha was the convener of this robotic workshop. Two experts from IIT Mumbai, Rushikesh and Madan, came and gave training aboutrobotics. One robot worth 35 thousand rupees was given free of charge to every engineering college that attended this machine workshop. College Chairman Dadi Ratnakar, Principal Dr. Nagaprasad, college faculty and students participated in the closing ceremony of this workshop.

& Leader Mon, 15 July 2019

Fig 4: Press clippings

PRINCIPAL
Dadi Institute of
Engineering & Technology
ANAKAPALLE - 531 002