Panel 1

ISTE Approved

SHORT-TERM TRAINING PROGRAMME
(Self-Financed)

on

Research Trends in Communication systems and Network using IoT with Hands-On on Raspberry Pi-3

(18th -23rd June 2018)

organized by

Department of Electronics and Telecommunication Engineering

P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions College of Engg. & Management, Amravati. (NAAC accredited 'A' grade)

PRPCEM, Amravati, Maharashtra State, Pin Code :444608

Phone: 0721-2530342 Fax : 072102530341
E-mail: prpotepatilcollege@gmail.com
Web: www.prpceu.org

Panel 2

Patrons

Hon'ble Shri. Pravinkumar R. Pote

Minister of State of Industries and Mining, Environment and Public works, Guardian Minister of Amravati District, (M.S.)
President, P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions, Amravati (M.S.)

Hon'ble Shri Dilip Nimborkar

Vice-President, P. R. Pote (Patil) Education & Welfare Trust's Group of Institutions, Amravati (M.S.)

Conveners

Dr. D. G. Wakde,
Director, PRPCE&M, Amravati
Dr. Mrs. S. D. Wakde,
Principal, PRPCE&M, Amravati
Prof. Mohd. Zuhair,
Vice-Principal PRPCE&M,Amravati

Advisory Committee

Dr. R. M. Patrikar, VNIT, Nagpur
Dr. C. M. Jadhao, Mauli COET, Shegaon
Dr.S.V. Dudul, SGBAU, Amravati
Dr.P.V. Ingole, PRMIT&R,Badnera

Organizing Committee
Prof.R. D. Ghongade,HOD, ExTC Dept.
And
All faculty:members of Electronics and Telecommunication Department

Coordinators:
Prof. R. D. Sushir, Asst. Prof. ExTC Dept.
rupeshsushir18@gmail.com, 09766108540
Prof. S. P. Bhonge, Asst. Prof. ExTC Dept.
suryakant.bhonge@gmail.com, 09096015952

Panel 3

ISTE Approved
Short Term Training Programme
on
Research Trends in Communication systems and Network using IoT with Hands-On on Raspberry Pi-3
18 - 23June 2018
Registration Form

1. Name   : ....
2. Designation   : ....
3. Qualifications : ....
4. Specialization : ....
5. Experience   : ....
6. Address(Office): ....
                    ....
                    ....

   Ph.No.   : ....
   Mobile No. : ....
   E-mail   : ....
7. D.D. No.   : ....
   Drawn on bank ....
   Place ....
   Date ....
   Declaration

The information given above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, but do not attend the programme, I shall forego the refundable registration fee paid by me.

Place :

Date :   Signature of the Candidate

Send duly filled registration form before 10th June 2018 on
sttp2018_extc@gmail.com

About STTP:

Modern Electronics Engineering education is now dominating with application of outcome based research and use of modern tools to achieve it. Internet of Things is now act as a modern tool widely enables different objects to connect and exchange data. The IoT allows objects to be sensed or controlled remotely across existing network infrastructure, creating opportunities for more direct integration of the physical world into computer-based systems, and resulting in improved efficiency, accuracy and economic benefit in addition to reduced human intervention. "Things", in the IoT sense, can refer as an inextricable mixture of hardware, software, data and service. This course enables the participants to gain an understanding of basic research orientation and fundamental concept of Internet of Things and an appreciation of its role and the capabilities in each domain.

About Department:

The Department of ELECTRONICS & TELECOMMUNICATION ENGINEERING aims at the synthesis of Science, Engineering and Technological aspects of Electronics. We all know that the ongoing transformation of quality of our lives is due to the recent phenomenal growth in Electronics, Information / Communication Technology and Technological convergence. Many a super-smart electronic gizmo is hitting the market every day which, hitherto, used to appear in Science fiction only. Smaller and more complex electronic devices are replacing the bigger ones. E&TC graduates find wide opportunities in the growing communications era of today. This course has been designed by the University of Amravati in consultation with senior industrialists in the Electronics & Telecommunication Engineering field.

Course Content :

1. Research orientation in Telecommunication
2. Recent Trends in Electronics
3. Power System Deregulation and challenges
4. Overview of Modern Communication Network
5. Wireless sensor Networks overview and its application in IoT.
6. Use of Reconfigurable Antenas in IoT system design.
7. IoT connectivity with server using GSM and Wi-fi
8. IoT applications.

Objective:

The prime objective of this STTP is to provide a platform for discussing new communication applications in modern electronics and telecommunication systems. Also to provide sustainable solutions for application of power and speed with high efficiency in day to day life. This STTP is relevant to all faculty and reserchers pursuing their higher studies in areas of IoT and Data communication network.

Prerequisite:
Basic Knowledge of :

- Sensors and its application,
- Embedded System,
- Client server connectivity,
- Cloud computing.

Eligibility:
Course is open to all teachers from AICTE recognized engineering institutions.

Registration Fee:
INR 1000/- per candidate.
(Registration kit and High Tea included)

How to Reach Institue:
Nearest Airport is Nagpur-150 Kms
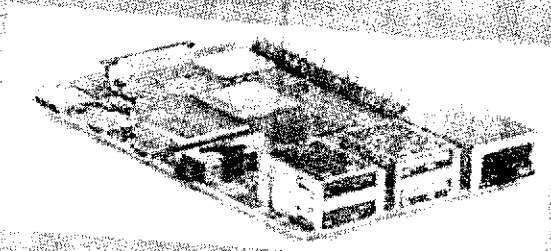Nearest Railway station is Amravati -8 Kms,
Badnera-18 Kms from Institute.

Contact Details:

Prof. R. D. Sushir
09766108540
Prof. S. P. Bhonge
09096015952

Flyer of Event

P. R. Pote Patil college of Engineering and Management , Amravati
Department of Electronics & Telecommunication Engineering

Ref.: PRPCOEM/   Date:

Date: 10/06/18

Circular

All the faculty are hereby informed that a Faculty Development Program is being conducted on the topic "Research Trends in Communication System and Network using IoT with Hands-On on Raspberry Pi-3" at P.R.Pote College of Engineering & Management Amravati from 18 June 2018 to 23 June 2018 organised by Department of Electronics & Telecommunication Engineering.

Principal
Dr. S. D. Wakde

Principal
P. R. Pote (Patil)
College of Engineering & Management
Amravati.

P. R. POTE (PATIL) COLLEGE OF ENGINEERING & MANAGEMENT, AMRAVATI

Department of Electronics and Telecommunication Engineering.

Session 2018-19

Name of professional development program	Number of teacher attended	Date and Duration
Short Term Course	16	18th – 23rd June 2019 One week

Sr. No.	Name of the Staff	Remark
1	Prof. R. D. Ghongade	
2	Prof. G. D. Dalvi	
3	Prof. U. W. Hore	
4	Prof. G. D. Naghoshe	
5	Prof. P. N. Pusdekar	
6	Prof. R. D. Sushir	
7	Prof. V. B. Padole	
8	Prof. B. R. Mankar	
9	Prof. S. P. Bhonge	
10	Prof. A. R. Pawadr	
11	Prof. A. P. Dhande	
12	Prof. S. K. Nanda	
13	Prof. M. P. Randive	
14	Prof. S. S. Bhutada	
15	Prof. R. Walli	
16	Prof. J. J. Zunzunwala	

Prof. R. D. Ghongade
H.O.D. (Extc. Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

P. R. Pote Patil Edu. & Welf. Trust's, Group of Institutions, College of Engineering & Management, Amravati

Pote Estate, Pote Patil Road, Kathora, Amravati. (Maharashtra)

0721-2530342, 44, 2530089 Fax No.: 0721- 2530341 Email: prpotepatilcollege@gmail.com, website: www.prpatilcollege.org

(Recognized by AICTE, New Delhi & Affiliated to SGBAU, Amravati)

Ref.: PRPCOEM/   Date:

Date:26/6/2018

A Brief Report on

ISTE and AICTE Approved One Week Short Term Training Program (STTP)

Event: "Research Trends in Communication systems and Network using IoT with Hands-On on Raspberry Pi-3"

Duration: 18th June-23rd June 2018

Venue: Seminar Hall and System Software LAB. PRPCOEM, Amravati

Participants: Faculty EXTC from P. R. Pote Patil College of Engineering and Management, Amravati.

> **Objectives:**

The objective of this program is to help young faculty members to gain sound understanding of the basic principles of "IoT and its applications". It also provides an opportunity for researchers to exchange ideas in the field.

> **Staff Involved:** Prof. R. D. Ghongade HOD, and all faculty members of Dept. of ExTC Engineering.

The organizing committee is as follows:

Sr. No.	Name of Staff Member	Venue/ Committee	Responsibilities
1.	Mr. R. D. Sushir (STTP Co-Ordinator)	Overall Coordination	1) To coordinate with other committee members for smooth conduction of the program. 2) Incase of absence of any committee members, need to make alternate arrangements or ready to work as a committee member. 3) Timely reporting Principal about the activities.
2.	Mr. R. D. Sushir Mr. Rishikesh Kadu	Stage & Venue Arrangement	1) Venue arrangement. 2) Banners, bouquet & nameplates arrangements. 3) Audio/Video testing. 4) Availability of water bottles. 5) Reporting to Head of the department on timely basis.

3.	Mr. V. B. Padole Ms. J. J. Zunzunwala	Anchoring	1) Tostarteach session. 2) To introduceeach speaker. 3) Toconcludeeach session.
4.	Mr. R. D. Sushir Mr.VivekDhaskat	Attendance and Feedback Management	1) Totakesession-wiseattendance. 2) Todo dailyattendanceanalysis. 3) Totake feedback. 4) Todo feedbackanalysis. 5) To conduct assessment test and result analysis.

➤ParticipantDetails:

Designation	Noof members
Faculty membersfromEXTC.	21

➤**Description**:Schedule ofthe program is attached.

➤DAY1–18/06/18 (Monday)Session 1. Inauguration:

A Short term training program approved by ISTE and AICTE on "**Research Trends in Communication systems and Network using IoT with Hands-On on Raspberry Pi-3**" was organized by department of Electronics and Telecommunication Engineering at P.R. Pote College of Engineering and Management, Amravati from 18th June -23rd June 2018.

Sarasvati Puja and College Prayer performed at very beginning of session was making atmosphere delighting and spiritual. Before welcome address, Hon. Guests were felicitated by organizing committee. Aheart-warmingwelcomeremarkwasdelivered byProf. R. D. Ghongade, Convener, of STTP-2018.Inheraddress, Hon. Principal Dr. Mrs. S. D. Wakde stated research definition emphasizing onimportance and contentsofthe trainingprogram. Hon. Dr. A. I. Dhatrak (ISTE Executive Council Member, GCOEA) was present as Local ISTE presentative in inaugural.Thesessionfurthercontinuedwithhis addressing to gatheringwhoenlightened the participantsaboutthe importance of suchtrainingprogramsand howsuchprogramshelp in developingR&Dculture ineducationalinstitutes.STTP was inaugurated at hands of Dr. Murlidhar G. Chandekar. Hon'ble Vice-Chancellor, SGBAU, Amravati. He also mentioned that the primary objective of thisendeavoristoinculcateandnurturethecultureofresearchamongstallofusandalsotoguided us in how to integrate research inacademics which will be beneficial from top to bottom and finally to end customer of it should always be student community.In his speech, he spokeabouttheinitiativesof ISTE, the different programs conducted by the demand encouraged participants to come forward and contribute effectively in such programs.

➤ DAY1–18/06/18 (Monday)Session 2: Introductory IoT: Mr. N. S. Sahare

At PRPCOEM, each faculty is encouraged to attend training programs which would lead them to skill building and technical enhancement. This in turn helps to upgrade students with the latest technologies. During this STTP participants took advantage of onset session, which were well handled by industrial practitioner community person Mr. N. S.Sahare, ANV InfoTech , Nagpur,.

> **DAY2 and 3–19/06/18 (Tuesday) and 20/06/18 (Wednesday:**
> **Session 1 and 2 : Mr. M. D. Bharti**

Points Covered:
1. IoT basics
2. Hands-on IoT: Sensor Interfacing
3. Hands-on with sensor and Raspberry-Pi kit
4. Introduction to Cloud Server technology
5. Interfacing IoT kit with Internet

> **DAY 4 and 5 – 21/06/18 (Thursday)and 22/06/18 (Friday):**
> **Session 1 and 2: Mr. RajendraKhope**

Points Covered:
1. Automation basics
2. Automation Hands-on with IoT kit 2.
3. Hands-on IoT: Sensor Interfacing
4. GSM and AT-commands basics
5. GSM and AT-commands Hands-on with IoT kit
6. Networking (Wi-Fi) basics
7. Connecting camera and live streaming to server
8. Deploying Remote Control & Monitoring system over GSM network
9. Wi-Fi connectivity using client-server connection over IoT kit

Meanwhile on the occasion of **"International Yog Day"** all the participants had Yog session by **AOL trainer Dr. SanjayjiGadekar**to add to their rejoice.

> **Day 6:**

Session 1: Dr. C. N. Deshmukh: Research Issues in IoT and WSN.

Guest in his lecture introduced WSN concept in IOT, he also proposed participants to contrast IoT and WSN from a conceptual overview, aiming to find out the relationship between them and to highlight their differences. He detailed participants about security issues in IOT.

Session 2: Valedictory

Theprogram endedwiththevaledictoryfunction whichwasgracedwiththepresenceof Hon. Dr. D. G. Wakde, Director PRPGEI, Amravati, Hon. Dr. Mrs. S. D. Wakde, Principal, PRPCOEM, Amravati, Prof. Mohd. Zuhair, Vice Principal, PRPCOEM, Amravati.

Dr. D. G. Wakde in his speech appreciated the efforts taken by Organizing Committee who have taken this step to enhance Research culture in the institute through Project Based Learning and encouraged all faculty members to do Research.

Dr.Mrs. S. D. Wakde, Principal, PRPCOEM in her valedictory talk, started with congratulating coordinators and organizing committee for the successful conduct of STTP-2018.She also explained the importance of incorporating project based learning to enhance research culture in this institute. She emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in various domains of Engineering and Technology, through arrange of research experiences. She also mentioned that such programs provide a common platform to discuss and learn new methodology to upgradeourselves.

After that, Prof. R. D. Ghongade, Convener-STTP-2018 along with coordinator R. D. Sushir presented the glimpse of activity report based on the deliberations held during the STTP. The function ended with a Vote of Thanks presented by STTP coordinator, EXTC Department. The valedictory function concluded with singing of theNationalAnthem.

> **Outcomes:**

> Thefaculty membersconductedResearch basedhands on in IOT.

➤This STTP Program has opened new paths for our students and faculty to investigate innovative ways to assess the emerging trends in IOT Technology in dynamic and collaborative setting.

➤Organizing such programs is an essential step to achieve new targets & make a mark in the Technological Research at a Global level.

➤This STTP Program has shown higher horizons in the field of Research

Learningforthe organizingsuch events infuture:

➤A developing culture of research requires open and collaborative personal relationships among faculty members. Congenial relationships among faculty members would support a successful Faculty to faculty research mentoring initiative. Such mentorships stand to be an important element of culture establishment. Personal ties among faculty are also likely to foster collaborative research efforts, which are a hallmark of research culture success.

➤With changing trends these programs give an opportunity to update one's knowledge and understand it's advancements with greater level of clarity and help to implement those techniques effectively in respective domains.

➤Certain sessions can be conducted in flip class room mode where coordinator will introduce some points for discussion and make it more inquisitive by introducing questions and motivate faculty members to put forth their view points. This will help us understand the learning levels and measure the outcomes from it.

Prof. R. D. Ghongade
H.O.H.(O.XDC Dept.)
P.R.Pote (Patil) College of Engg. & Management
Amravati.

Event:- "Research trends in communication system and Network using IOT with Hands-on on Raspberry pi-3"

PHOTO GALLERY:

Digniteries on dous during prayer on 23/06/18
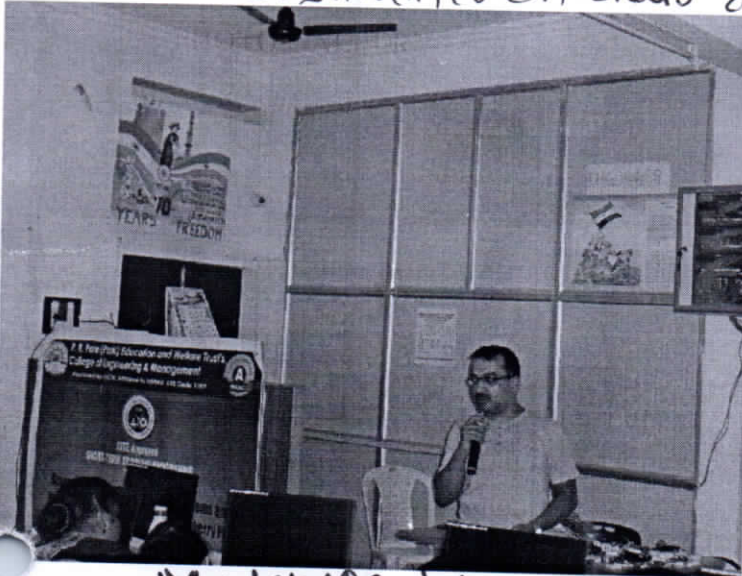
Mr. knope delivering talk on 21/06/18
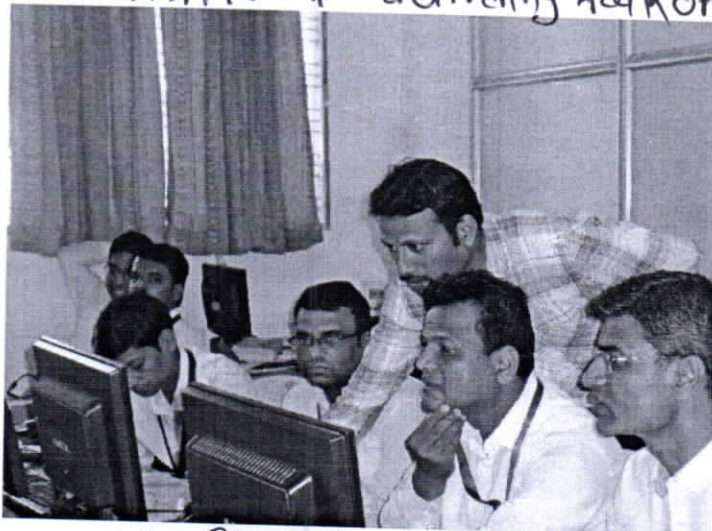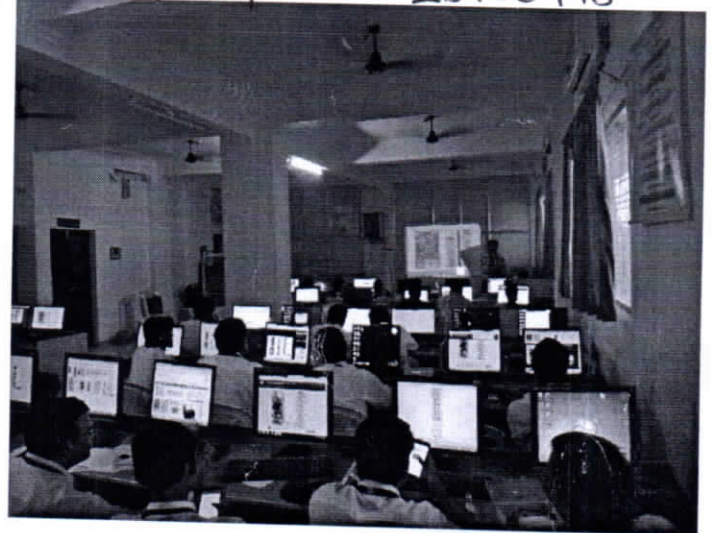
Mr Bharti Interacting with participants on dated 19/06/18

Event Photos:
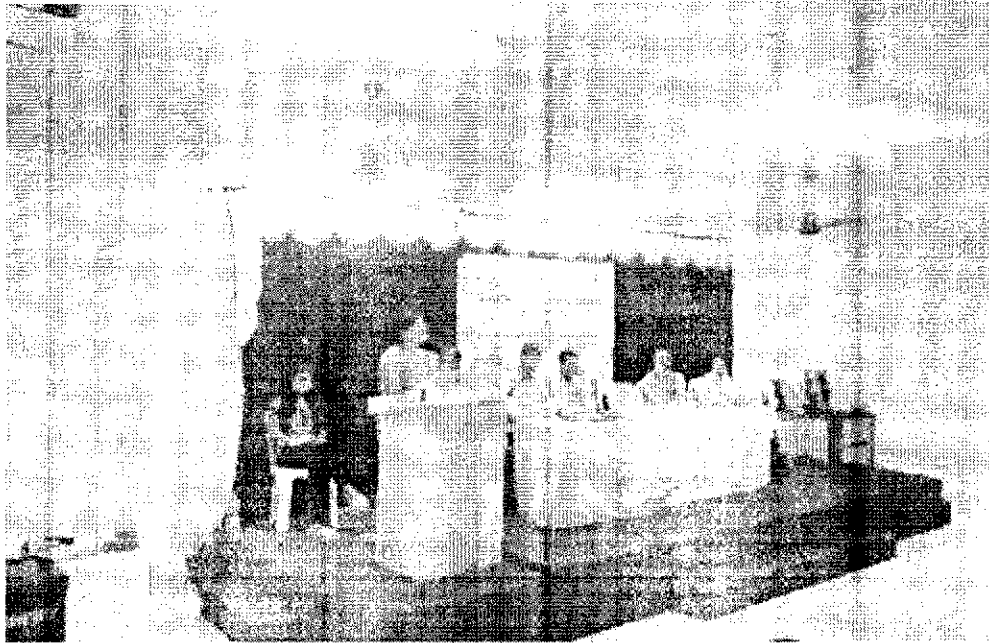
Inauguration Event: Research Trends in Communication System and Network using IoT with Hands- On on Raspberry Pi-3 , on Dated 18 | 06 | 18
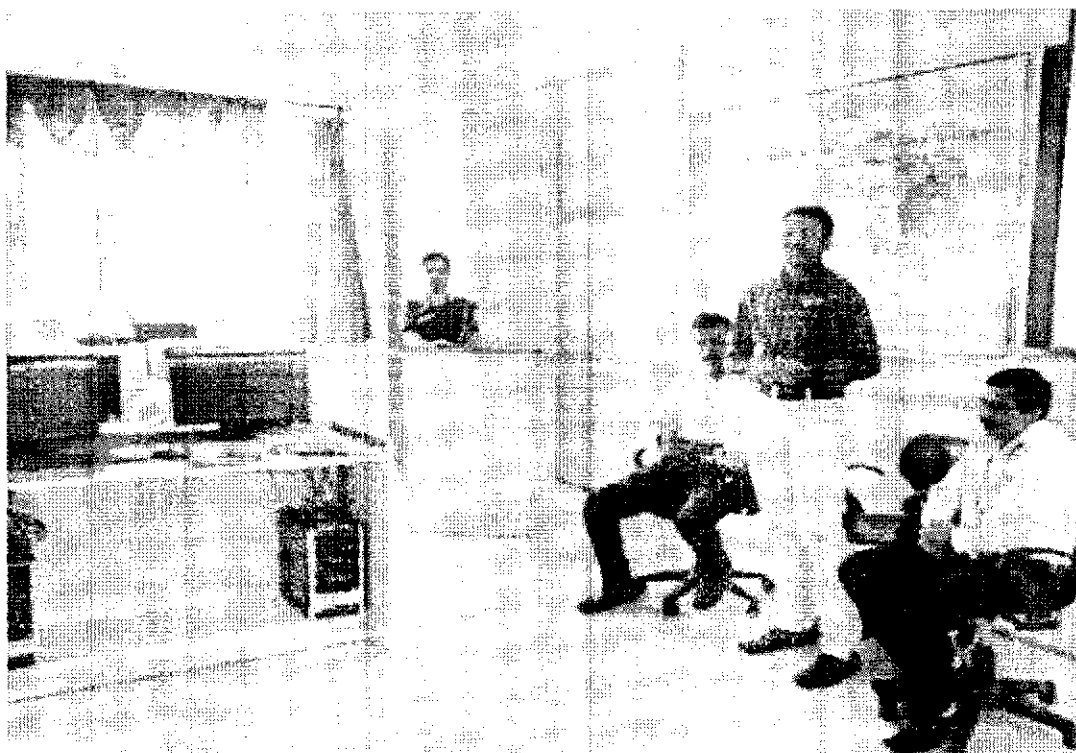
On dated 23/06/18

Expert Talk: Research Trends in Communication System and Network using

IoT with Hands- On on Raspberry Pi-3

P. R. Pote (Patil) College of Engineering & Management, Amravati

Department of Electronics & Telecommunication Engineering

Organized ISTE Approved Short Term Training Programme

Recent Trends in Communication system and Network using IoT with Hands-on on Raspberry pi-3

Sr. No.	Name of Resource person	Address	Contact
1	Mr. M .D. Bharti	Founder & CEO, MDB Electrosoft, Rajapeth - Ambadevi road,near Oswal Bhavan, Amravati, Maharashtra 444601	9552811938
2	Mr. Rajendra Khope	Founder & CEO ioCare, Pune H-104, Radhika Park, Sr No 22, Wadgaonsheri, Pune, Maharashtra 411014	9922908002
3	Dr. C. N. Deshmukh	P.R.M.I.T.&R., Badnera, Amravati Prof. Ram Meghe Square, Anjangaon Bari Road, Badnera, Amravati, Maharashtra 444701	9820004158

H.O.D (E&TC Dept.)
P.R. Pote (Patil) College of Engg. & Management

Principal
P. R. Pote (Patil) Edu. & Welfare Trust's
Group of Institution's
College of Engg. & Management
Kathora Road, AMRAVATI.

Rajendra Khope

H104, Radhika Park, Vadgaonsheri • Pune, 411014 • +91 9922908002
Email: rajendra@iocare.in , research@iocare.in

▶ Objective

Internet of Things enthusiast with an interest in building solutions that benefit society and surroundings. With more than 6 years of experience in the industry and 12 years of experience in teaching in Engineering, I am always passionate about technology and using it for the betterment of our day-to-day life and environment.

▶ Educational.Qualification

- ■ B. E. in Electronics and Telecomm. Engg. with First Class   First Class
    - ✤ B. N. College of Engineering, Pusad (M.S.)
- ■ Diploma in Electronics and Comm. Engg. with First Class   First Class
    - ✤ Government Polytechnic, Arvi
- ■ SSC   First Class
    - ✤ Hutatma Rashtriya Vidyalaya, Ashti

▶ Work Experience

- ■ From 4-10-2022 – Present
    - ✤ Technical Lead at Confluxsys Pvt. Ltd
- ■ From 01-06-2014 - to - 3-10-2022
    - ✤ Freelance Developer • ioCare, Pune
    - ✤ Founder and chief decision-maker at ioCare, Pune. Worked on various IoT, Embedded Hardware, Industrial Automation & Front-End/Back end Web and Mobile Application development projects.
- ■ From 1-06-2012 - to - 31-05-2014
    - ✤ Assistant Professor • AISSMS College of Engineering, Pune
    - ✤ Biomedical Instrumentation and Microcontrollers. Design and Setting up an online examination system.
- ■ From 23-07-2007 - to - 31-05-2012
    - ✤ Assistant Professor • MIT College of Engineering, Pune
    - ✤ Apart from Teaching worked as NBA Co-coordinator, Developed an Intranet Setup and Management, Taught students subjects like Computer Network, Hardware Lab, and Microprocessor and Microcontrollers. Created student's Elite research group. Completed BCUD, Pune funded project "Contextual Machine Translation".
- ■ From 01-08-2002 - to - 22-07-2007
    - ✤ Lecturer • Government Polytechnic, Arvi
    - ✤ Worked as an Assistant in charge in Continuing Education Cell of Canada India Institute-Industry Linkage Project (CIIILP) at Institute. Subjects instructed Applied Electronics, Microprocessors, Visual Basics

► IT Proficiency

■ Operating Systems: Windows, Linux.

■ Development Tools: Eclipse, Android Studio, Blender, Unity3D, KiCad, FreeCad

■ Programming Languages   : C, C++, PHP, JavaScript, TypeScript

■ Web and Mobile Framework: Ionic framework, Angular, Bootstrap, Laravel, OctoberCMS/WinterCMS

■ Hardware   : STM32, Atmel Atmega, ARM, Raspberry Pi, ESP8266, ESP32

► Languages:

■ English, Hindi, Marathi

► Publications (https://scholar.google.com/citations?user=SB1-YIAAAAAJ)

■ INNOVATION 2012, Regional Research Conference for Pune University College Teachers MAE and BCUD, UoP - March 19, 2012, **Authors:** Rajendra Khope, Rajneeshkaur Bedi, Rekha Sugandhi

■ Sugandhi, Rekha, Devika Pisharoty, Priya Sidhaye, Hrishikesh Utpat, Sayali Wandkar, and Rajendra Khope. "Managing Tokens for Machine Translation from English to Marathi." International Journal of Engineering, Science, and Research (IJESR) 1, no. 3 (2011).

■ Atole, A., Asmar, A., & Biradar, A. (2017). Nikhil Kothawade, Sambhaji Sarode, Rajendra G. Khope." IoT Based Smart Farming System. International Journal of Emerging Technologies and Innovative Research, 4(4).

■ Patil, P.S., Kapgate, P.D., Rathour, S.B., Mawale, N.P. and **Khope, R.G.**, 2020. Water Level Monitoring and Leakage Detection System using Long Range Module (LoRa).

► Projects

■ Web application and mobile applications

❖ School Management - https://www.arnoldcentralschool.org -**Angular 11/PHP**

❖ Travel Management - https://www.traveing.in/ **HTML/JS/PHP**

❖ Animation & Media Company - https://www.smartmediaservices.org/ **HTML/JS/PHP**

❖ Engineering College - https://www.isbmsot.org/ **HTML/JS/PHP**

❖ Online Exam - https://exam.isbmcoe.org/ **HTML/JS/PHP**

❖ Asset Management - https://new.itm.iocare.in/ **Angular 11/PHP**

❖ Ecommerce https://www.govindpapad.com

❖ Profile: https://nitinmawale.com

■ Cloud-connected Temperature and Humidity Management System (Jabil Circuits Ltd)

❖ THM with cloud management

❖ Cloud logging of the various parameters from THM

■ Smart Garbage Collection System (SigFox) (Paris, France) for BlueCloud, France

- ⊕ IoT hardware and cloud infrastructure design and manufacturing.
- ⊕ Sensor Cloud with route optimization.

■ **IoT based Smart Asset Management System**
- ⊕ IoT Hardware design and deployment solution for Paris, France smart city project.
- ⊕ Design of IoT Based embedded hardware to interface with IBM Watson and IBM IOC platforms.

■ **Smart Irrigation Platform for agriculture.**
- ⊕ Smart Water management system for farms
- ⊕ IoT-based cloud data logging and effective prediction with Machine Learning.

■ **RF Mesh network node design**
- ⊕ 2.4GHz RF node network for research institutes (Zeal College of engineering and MIT college of engineering)
- ⊕ Development kits design with sensor interfacing

■ **WiFi Home Automation (Product Design)**
- ⊕ Complete Lighting and Home Appliances control through retrofit automation solution.
- ⊕ Home Automation solution to fit the need of the existing home without changing any wiring.
- ⊕ Controlled through Mobile, Desktop from anywhere with Amazon Alexa and Google Home Voice integration.

■ **Setting up IoT research Laboratories**
- ⊕ Designed customized IoT development kits and Wireless Sensor network Test Beds for setting up complete Research Lab at various Engineering Institutes in Pune University.
- ⊕ First Research Lab setup in Pune University region.

■ **Online Admission System**
- ⊕ Online Admission system automation with Web and mobile application to facilitate fast processing of online and physical form through the use of QR codes.
- ⊕ https://www.arnoldcentralschool.org/

■ **Current Working As Member of Project Management Group (PMG) at Agri-IoT Center of Excellence Project by Software Technology Park of India, Pune (STPI)**
- ⊕ Member of Project Management Group
- ⊕ Key Member in IoT laboratory setup and BoM finalization
- ⊕ Mentor and Partner for the STPI CoE project.

▶ **Personal Information**

■ Age: 43, Married, Nationality: Indian

■ Address: H104, Radhika Park Sr No 22, Vadgaonsheri, Pune – 411014.

Date: 28/06/2021

Yours Sincerely

Rajendra G. Khope

Mangesh Bharati

Personal Info

Date of Birth
11-02-1981

Address:
Yashoda Nagar No.2
Lane No. 5,
Amravati-444606
Maharashtra, India

Office Address:
MDB Electrosoft Pvt. Ltd.
Rajapeth-Ambadevi Road,
Near Oswal Bhawan,
Mudholkar Peth, Amravati
444601
Phone:
9552811938, 9970717556

Email:

Skills

Good technical Knowledge in electronics
Able to manage Human Resource Properly

Experience

- Director of MDB Electrosoft Pvt. Ltd. Since July 2013
- Director of iBase Electrosoft LLP since Jan. 2015
- 13 Year experience in Embedded system design.
- Working on IOT project development since Aug 2016.
- Worked on DIP Projects.
- Granted Patent on Security system **Authority Alert System for Identification of Unauthorized Movement in Security Zone** (using DIP and Embedded system Patent No. 404269 Application No : 27788/MUM/2014).
- Patent on **SWIMMING COACH ASSISTANT SYSTEM** (Application No.1772/MUM/2013 A Publication Date : 13/03/2015)
- 9 year Teaching experience as a faculty of Engineering College.
- Conducted number of Faculty development Program based on IOT, Raspberry Pi, Embedded system, Image and Video processing
- Conducted number of Technical skill development program and workshops for students based on IOT, Embedded system, Raspberry Pi, Arduino, Basics of electronics , PCB Design, Simulator tools, Python, Image and Video processing , Quad Copter and RC plane development.
- Board of Study member for CMPS and IT Dept. at Government Polytechnic, Amravati as Industrial Expert.

Education
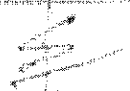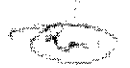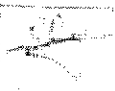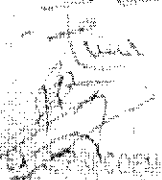
- B.E. (Electronics and Telecommunication) From Amravati University.
- Online Course on Business Management by Vivek Bindra
- Online course on Entrepreneurship, Time management, Effective communication by Ankur Wareku

Attendance: Day 1 Research Trends in Communication System and Network using IoT with Hands- On on Raspberry Pi-3

Sr. No	Name of fac'ty	Mobile No.	Mail id	
1				
2				
3				
4				
5				
6				
	Vishal B. Padile			
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9				
10				

Attendance: Day 1:

Research Trends in Communication System and Network using IoT with Hands- On on Raspberry Pi-3

Sr. No.	Name of faculty	Mobile No.	Mail id	Signature
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11	V. Rajathan	9421285745	davware@gmail.com	

Date: 18 June 2018 to 23 June 2018

Topic: Short Term Course on Research Trends in Communication System and Network Using IoT with Hands on Raspberry Pi

Feedback Analysis

Q.1) What percentage of the information was new to you?
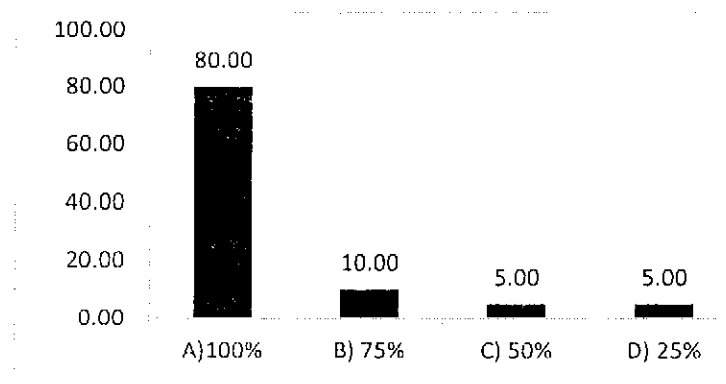
Q.2) whether, the contents of this session will be beneficial for you?
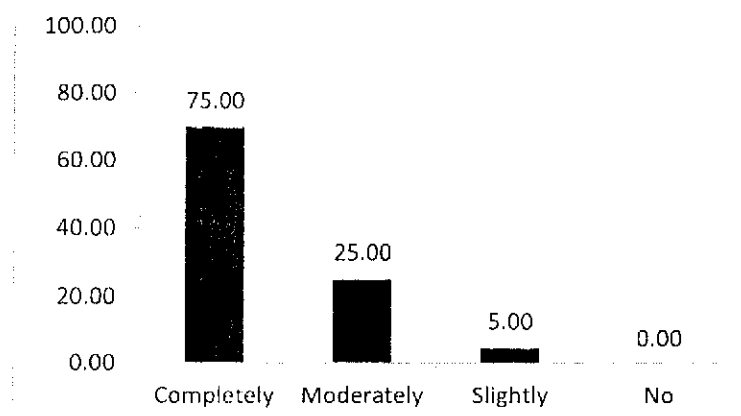
Q.3) Please rate the speaker's knowledge of the topic:

Q.4) Please rate the speaker's presentation skills:

Q.5) Please rate the content of the slides/virtual aids:

Bar chart:
- Excellent: 65.00
- Good: 25.00
- Fair: 10.00
- Poor: 0.00

Q.6) how did the session compare to your expectations?

Bar chart:
- Excellent: 70.00
- Good: 25.00
- Fair: 5.00
- Poor: 0

Q.7) Overall session evaluation:

Bar chart showing overall session evaluation: Excellent 70.00, Good 25.00, Fair 5.00, Poor 0.00

Dr. R. D. Ghongade
HOD (EXTC)

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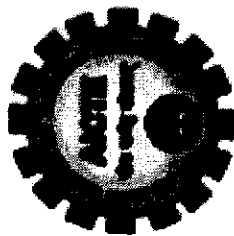
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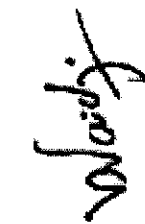
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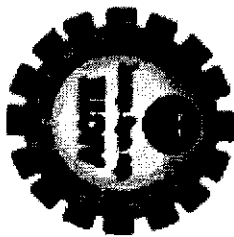18/6/2018 to 23/6/2018 Organized by P.R.Pote Patil Edu. & Welf. Trust's

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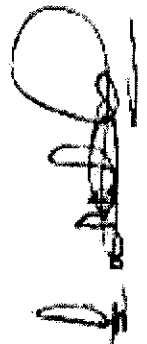
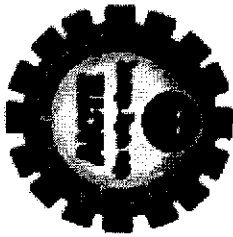18/6/2018 to 23/6/2018 Organized by P.R.Pote Patil Edu. & Welf. Trust's

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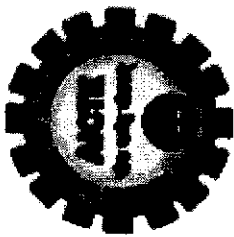
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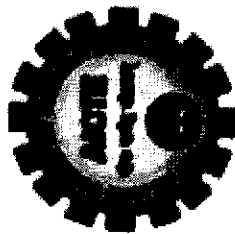
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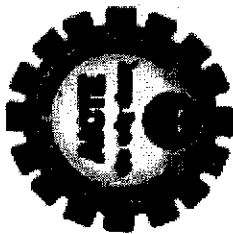
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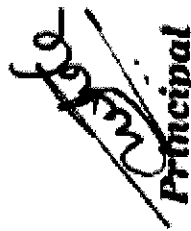
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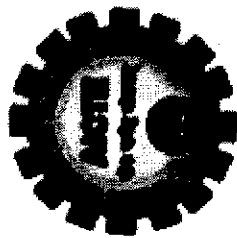
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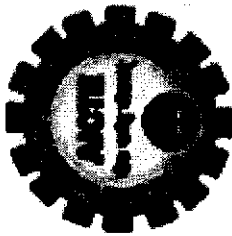**18/6/2018** to **23/6/2018** Organized by _____ *P.R.Pote Patil Edu. & Welf. Trust's*

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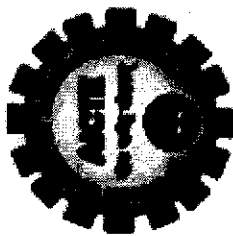**Group of Institutions, College of Engineering & Management, Amravati, Maharashtra**

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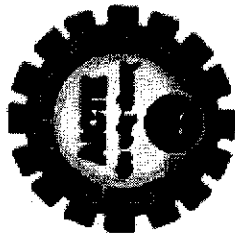
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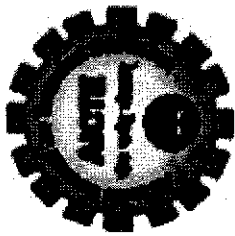**18/6/2018** to **23/6/2018** Organized by **P.R.Pote Patil Edu. & Welf. Trust's**

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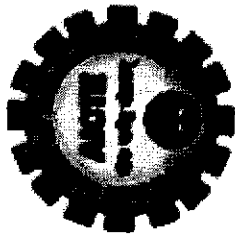
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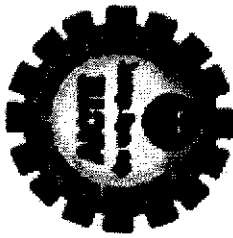
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has successfully completed AICTE-ISTE approved Induction/Refresher Programme " **Research Trends in Communication Systems and Network using IoT with Hands-On on Raspberry Pi-3** " held during

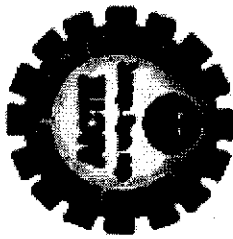18/6/2018 to 23/6/2018 Organized by P.R.Pote Patil Edu. & Welf. Trust's

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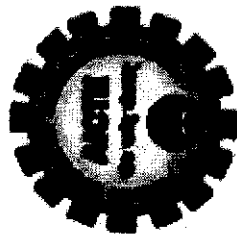**18/6/2018** to **23/6/2018** Organized by **P.R.Pote Patil Edu. & Welf. Trust's** _Group of Institutions, College of Engineering & Management, Amravati, Maharashtra_

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