



**TKR COLLEGE OF ENGINEERING AND TECHNOLOGY  
(AUTONOMOUS)**

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by INTUH,  
Accredited by NBA & NAAC with 'A' Grade)



**Department of Electronics and Communication Engineering**

**CIRCULAR**

Date: 16-08-2017

Ref cir: ECE/WORKSHOP/01/2017-18

It is hereby informed all the 3<sup>rd</sup> year students of ECE that there will be a workshop on "IOT base Home automation using Raspberry Pi" from 19<sup>th</sup> to 20<sup>th</sup> August 2017 in Auditorium at 9.30AM. Hence it is requested all students to attend the workshop without fail and utilize the opportunity.

**Principal**  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

**Head of the Department**  
Electronics & Communication Engineering  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

## Introduction

Internet of Things (IoT) is a new revolution of the Internet. It is a network of physical devices, vehicles, home appliances, and other items embedded with electronics, software, sensors, actuators and network connectivity which are linked to create smart environments. It allows objects to be sensed and controlled remotely across existing network infrastructure. Also, it is creating opportunities for more direct integration of the physical world into computer-based systems, which results in improved efficiency and accuracy.

One of the key learning platforms for IoT is the Raspberry Pi. The RasPi is a popular platform because it offers a complete Linux server in a tiny platform for a very low cost. In fact, one of the most difficult parts of using Raspberry Pi for learning about IoT is picking the right projects with which to begin.

The workshop will give the platform to understand and use Raspberry Pi for IoT applications.

## Objectives:

- ❖ Understand the rudiments of IoT
- ❖ Learn the features of Raspberry Pi board
- ❖ Configure Wireless Protocols WiFi, Zigbee, Bluetooth, Lora WAN
- ❖ Familiarise coding structures in Python Programming
- ❖ Interface different sensors with Raspberry Pi
- ❖ Connect Raspberry Pi to a remote access client
- ❖ Configure Raspberry Pi for Web Services
- ❖ Perform Cloud Server Experiments

of the Department  
Electronics & Communication Engineering  
TKR College of Engineering & Technology  
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Medbowli, Meerpet, Hyderabad-57

## CHIEF PATRONS

**Sri T. Krishna Reddy**  
Chairman, TKR group of institutions

## PATRONS

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Secretary, TKRES.

**Sri. T. Amaranath Reddy**  
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**Dr. D. V. Ravi Shankar**  
Principal, TKRCET.

## CONVENOR

**Dr. D. Nageswar Rao**  
HOD, Dept. ECE, TKRCET.

## COORDINATOR

**A.Theja**  
Assoc. Prof., Dept. ECE, TKRCET.

*(Handwritten signature)*  
Principal (Autonomous) TKR College of Engineering & Technology  
Medbowli, Meerpet, Hyderabad-57

## TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

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A Workshop On

# IOT Base Home Automation Using Raspberry Pi

in association with

## SRIMUDRA Technologies

Date: 19-08-2017 to 20-08-2017



Organized by

Department of Electronics and  
Communication Engineering,  
TKRCET, Hyderabad-500097.

### About the College:

TKR College of Engineering and Technology – a modern temple of learning, an off shoot of the TKR Educational Society was established in the year 2002 in a sprawling, lush green 20-acre campus at Meerpet, Hyderabad. The college provides a serene and tranquil environment to the students, boosting their mental potential and preparing them in all aspects to face the cut-throat global competition with a smile on the face and emerge victorious. The College is affiliated to Jawaharlal Nehru Technological University Kukatpally, Hyderabad. It has been approved by AICTE, New Delhi and the State Government of Telangana and has been sanctioned seven UG courses – Civil Engineering, Electrical & Electronics Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Mechanical Engineering and PG Courses – M.Tech in CSE, PE & MBA. In addition, the College is running second shift Polytechnic in the branches – CIVIL, EEE, MECH, IT, ECE & CSE. The institute became Autonomous in 2016-17. The Institute has been providing a technology enabled teaching-learning environment (Wi-Fi) since 2005. The Institute constantly strives for improvement, competing with the premier institutions of national importance.

### About the Department:

The Department of Electronics and Communication Engineering was established in 2002. It offers to inculcate creative thinking through innovative and group work exercises which enhances the entrepreneur skills, employability and research capabilities. Students are taught how to use and employ innovative design methods and techniques. Exposure to contemporary facets planning, construction design and project management are key aspects of the course. The Department offer Undergraduate course in B.Tech Electronics and communication Engineering with an annual intake of 240.

### Course Contents:

- Introduction to the Internet of Things
- Introduction to Raspberry Pi
- Downloading the Raspbian OS
- Installing OS in the SD Card
- Setting up the Raspberry Pi Board
- Secure Shell Connection (Remote Login)
- Configuring to Wi-Fi Router
- Installing Python libraries
- Creating a new Directory
- Python Programming Basics and Practice
- LED Program with Raspberry Pi
- Integrating IR Sensor with Raspberry Pi
- Home Automation Using Raspberry Pi

  
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### Course Outcome:

The participants will be able to develop IOTbased applications using Raspberry Pi.

### Who can Attend?

Program is open to faculty members/research scholars/PG students from colleges/universities, and industry personnel working in the concerned/allied discipline.

### Contact:

Mr. A.Theja,  
Co-ordinator,  
Assoc. Professor, ECE Dept.  
TKRCET, Hyderabad.  
Email: teja0472@gmail.com  
Phone no.: +91-9908374990



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Accredited by NBA

Medbowli, Meerpet, Saroornagar, Hyderabad – 500 097

Ph: 040 – 65587536, 65347536, Fax: +91 – 040 – 24094567

Email: [info@tkrcet.ac.in](mailto:info@tkrcet.ac.in) Website: [www.tkrct.ac.in](http://www.tkrct.ac.in)

Date: 21/08/2017

On behalf of Department of ECE, TKRCET in association with SRI MUDRA Technologies and ECE Department faculty, we have organized a workshop on “IOT base Home automation using Raspberry Pi” on 19.08.2017 and 20.08.2017. Electronics & Communication Engineering department arranges the various kinds of Workshops on continuous basis to enhance student’s practical & technical skill and to make them compatible with industry.

The workshop was aimed to provide knowledge about IoT System for Smart City Applications using Raspberry Pi at home so that any student can make project on his own. Almost 110 students from ECE dept of our college have participated in the workshop. The workshop provides a platform for students and interested faculty, those interested in different Smart City Applications. It gives them the opportunities to interact and learn from the best-in-industry. This helps to hone their skills in developing Raspberry Pi based IoT projects that act as a stepping stone to devising pragmatic solutions for future Smart City problems and applications.

Workshop benefits include:

- Acquire skill set required to work as an expert,
- Understand the future of Smart Cities and explore its potential,
- Experiencing on a live project and solve problems to make homes and cities smarter,
- Field Experience using Campus Level Smart Grid Testbed.

Day-1

Introduction to the Internet of Things, Understanding and Introduction to RPi, OS Installation on SD Card, OS Configuration, Network Setup, Study GPIO Pins, Libraries Using Git, Configuring GPIO Pins, Using Python, Understanding Python, Condition Statement, Loops, Importing Libraries.

**Project 1:** LED Program with Raspberry Pi

**Project 2:** Controlling LED with a Switch using Raspberry Pi.

**Project 3:** Integrating IR Sensor with Raspberry Pi.

Day-2

**Project 4:** Integrating Temperature & Humidity Sensor with Raspberry Pi read Current Environment Values.

**Project 5:** Reading Environmental Values on Android Smartphone.

**Project 6:** Control Devices using Localhost Web Server for Home Automation.

Integrating Ethernet Module & Testing DHCP Connection

Creating Program for Localhost Web Server for controlling devices.

**Project 7:** Send Sensor Data on Cloud Server.

Cloud Computing

Communicating with the Cloud using Web Services.

Cloud Computing & IoT.

Popular Cloud Computing Services for Sensor Management.

After the completion of all the sessions of workshop successfully, valedictory function was carried out on the last day. The students gave their feedback of regarding the conduction of workshop. Distribution of certificates and vote of thanks were given by the coordinators.

**Duration:** The duration of this workshop will be two consecutive days, with 6-7-hour session each day in a total of 12-14 hours.

Mr. A. Theja was the coordinator and Dr.D .Nageshwar Rao is the convener of the workshop.

**COORDINATORS**

Mr. A. THEJA  
Assoc.Prof.

**CONVENOR**

Dr.D.NAGESHWAR RAO  
HoD,ECE

Head of the Department  
Electronics & Communication Engineering  
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**PRINCIPAL**

Dr. D.V. RAVISHANKER

Principal  
TKR College of Engineering & Technology  
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**TKR COLLEGE OF ENGINEERING & TECHNOLOGY**

**DEPARTMENT OF ECE**


**WORKSHOP ON**

**“IOT BASE HOME AUTMATION USING RASPBERRY PI”**

**STUDENT LIST**

DATE: 19-08-2017 to 20-08-2017


| S.NO | ROLL NO    | NAME OF THE STUDENT        | SIGNATURE  |            |
|------|------------|----------------------------|------------|------------|
|      |            |                            | 19-08-2017 | 20-08-2017 |
| 1    | 15K91A0401 | ADDELA JYOTHIRMAI          | Joythi     | Jyothi     |
| 2    | 15K91A0402 | ADELLY CHANDRASHEKAR       | Chandra    | Chandra    |
| 3    | 15K91A0404 | AITHAGONI DURGA BHAVANI    | Durga      | Durga      |
| 4    | 15K91A0406 | ALETI NIKHIL REDDY         | Nikhil     | Nikhil     |
| 5    | 15K91A0407 | ALLU MANOGNA               | monogna    |            |
| 6    | 15K91A0408 | AMBILPUR SAI DEEPAK        | Sai        | Sai        |
| 7    | 15K91A0409 | AMI REDDY ANUSHA           | Anushe     | Anushe     |
| 8    | 15K91A0410 | AMUDHAALAPALLI SAHAN       | Sahan      | Sahan      |
| 9    | 15K91A0411 | ANUMOJU RAGINI             | Ragini     | Ragini     |
| 10   | 15K91A0412 | ARUMALLA YESWANTH REDDY    | Yeswanth   | Yeswanth   |
| 11   | 15K91A0413 | BAIRI ANIL                 | Anil       | Anil       |
| 12   | 15K91A0414 | BANDELA ROHITH             | Rohith     | Rohith     |
| 13   | 15K91A0415 | BANDI SOUMYA SREE          | Sree       | Sree       |
| 14   | 15K91A0416 | BHARATH CHANDRA REDDY B    | Chandra    | Chandra    |
| 15   | 15K91A0418 | BHUPATHI SAINATH           | Sainath    | Sainath    |
| 16   | 15K91A0419 | BIRKURWAR PRUTHVI TEJA     | Pruthvi    | Pruthvi    |
| 17   | 15K91A0422 | BOGULA PRABHAKARA REDDY    | Prabhakar  | Prabhakar  |
| 18   | 15K91A0423 | BUNGA RAMJI BHARATH        | Ramji      | Ramji      |
| 19   | 15K91A0424 | BURGUPALLY AKHIL KUMAR     | Akhil      | Akhil      |
| 20   | 15K91A0425 | BUSHIREDDY SAI PAVAN REDDY | Saipavan   | Saipavan   |
| 21   | 15K91A0426 | C BHASKAR GOUD             | Bhaskar    | Bhaskar    |
| 22   | 15K91A0427 | CHALDI NAVEEN              |            |            |
| 23   | 15K91A0428 | CHAMAKOORI HARIPRASAD      | Haris      | Haris      |
| 24   | 15K91A0429 | CHENNA ANUSHA              | Anusha     | Anusha     |
| 25   | 15K91A0431 | CHINTHALA MALLIKARJUN      | Malli      | Malli      |
| 26   | 15K91A0432 | CHITHALURI UMESH           | Umesh      | Umesh      |
| 27   | 15K91A0434 | DADI HARIKA                | Harika     | Harika     |
| 28   | 15K91A0435 | DAGGU AKASH                | Akash      | Akash      |
| 29   | 15K91A0437 | DEVALAPALLY SAI CHARAN     | Sai        | Sai        |
| 30   | 15K91A0438 | DEVANBOINA NAVYA           | Navya      | Navya      |

  
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|    |            |                               |              |              |
|----|------------|-------------------------------|--------------|--------------|
| 31 | 15K91A0439 | DOUTHAPURE BASWARAJ           | Baswaraj     | Baswaraj     |
| 32 | 15K91A0440 | DYAVANAPELLI RAJU             | Raju         | Raju         |
| 33 | 15K91A0441 | E RAJESHWARI                  | Rajeshwari   | Rajeshwari   |
| 34 | 15K91A0442 | EDIGI YELLAIAH GOUD           | Yellaiah     | Yellaiah     |
| 35 | 15K91A0443 | PERIKETI BHAVANI              | Bhavan       | Bhavan       |
| 36 | 15K91A0444 | ERANKI SAMERA DATTA           | Samere       | Samere       |
| 37 | 15K91A0445 | ERUKULLA SAI KISHOR           | Kishor       | Kishore      |
| 38 | 15K91A0446 | ERUVENTI NIKITHA              | Nikitha      | Nikitha      |
| 39 | 15K91A0447 | G SIDHARTHA                   | Sidarth      | Sidarth      |
| 40 | 15K91A0448 | GADDIKOPPULA MANISHA          | manish       | manish       |
| 41 | 15K91A0449 | GANGULA VIVEKANANDA REDDY     | vivek        | vivek        |
| 42 | 15K91A0450 | GODAVARTHI GOPI KRISHNA VARMA | Gopi         | Gopi         |
| 43 | 15K91A0451 | GOLLA AVANIDAS                | Avanidas     | Avanidas     |
| 44 | 15K91A0452 | GOURIBHATLA KOULINI           | Koulini      | Koulini      |
| 45 | 15K91A0453 | GUMALLA SAI VAMSHI            | Vamshi       | Vamshi       |
| 46 | 15K91A0454 | GUNDARAPU SANDEEP KUMAR       | Sandeep      | Sandeep      |
| 47 | 15K91A0455 | GURAMPALLY NARESH             | Nareesh      | nareesh      |
| 48 | 15K91A0456 | JUPAKA SHIVAKIRAN             | Shiv         | Shiv         |
| 49 | 15K91A0457 | K PRIYANKA                    | Priyanka     | Priyanka     |
| 50 | 15K91A0458 | KAIGURI RAMA RAJU             | Rama         | Rama         |
| 51 | 15K91A0459 | KALLEPALLI SANDESH            | Sandesh      | Sandesh      |
| 52 | 15K91A0460 | KALLU SRI TARUN REDDY         | Tarun        | Tarun        |
| 53 | 15K91A0464 | KARU DILIP PREM SAGAR         | Dilip        | Dilip        |
| 54 | 15K91A0465 | KATAKAM DIVYASREE             | Divyasree    | Divyasree    |
| 55 | 15K91A0466 | KATARI BHAVANA                | Bhavana      | Bhavana      |
| 56 | 15K91A0467 | KATIKA RAHUL VARUN TEJA       | Varun        | Varun        |
| 57 | 15K91A0468 | KATTA PRAVALIKA               | Pravalika    | Pravalika    |
| 58 | 15K91A0469 | KICHANAPALLY KAVYA            | Kavya        | Kavya        |
| 59 | 15K91A0470 | KOLTHURI SHASHANK             | Shashank     | Shashank     |
| 60 | 15K91A0471 | KOMATI BHAVANI                | Bhavan       | Bhavan       |
| 61 | 15K91A0472 | KONDAVEETY PRUDVI TEJA        | Teja         | Teja         |
| 62 | 15K91A0473 | KORE YESHWANTH                | Yeshwanth    | Yeshwanth    |
| 63 | 15K91A0474 | KOSGI SHARATH KUMAR GOUD      | Sharath      | Sharath      |
| 64 | 15K91A0475 | KOTINTI HARINATH REDDY        | Harini       | Harini       |
| 65 | 15K91A0476 | KURRA SAI KUMAR               | Sai          | Sai          |
| 66 | 15K91A0477 | LAVADYA YUGENDHAR             | Yugendhar    | Yugendhar    |
| 67 | 15K91A0478 | LAVURI VINODKUMAR             | Vinod        | Vinod        |
| 68 | 15K91A0479 | M INDIRA PRIYA                | Indira Priya | Indira Priya |
| 69 | 15K91A04C6 | RAVIRALA SAI CHANDANA         | Sai          | Sai          |
| 70 | 15K91A04C7 | REGULLA SANTHOSH KUMAR        | Santhosh     | Santhosh     |

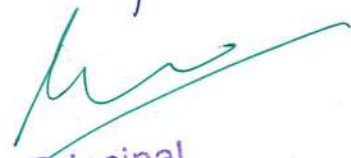
  
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 Principal  
 TKR College of Engineering & Technology  
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|     |            |                            |           |           |
|-----|------------|----------------------------|-----------|-----------|
| 71  | 15K91A04C8 | RUPESH SINGH               | Singh     | singh     |
| 72  | 15K91A04C9 | S ABHISHEK                 | Akhil     | Akhil     |
| 73  | 15K91A04D0 | S VARUN REDDY              | Varun     | Varun     |
| 74  | 15K91A04D1 | SAAMA PRUDHVI RAJ          | Saama     | Saama     |
| 75  | 15K91A04D2 | SANANAZ                    | Sanana 2  | Sanana 2  |
| 76  | 15K91A04D5 | SILUVERU SAI RAHUL         | Sai       | Sai       |
| 77  | 15K91A04D6 | SOMAROUTHU HEMANTH SAI     | Hemant    | Hemant    |
| 78  | 15K91A04D7 | SONI SRIVASTAV             | Soni      | Soni      |
| 79  | 15K91A04D8 | SUDHIREDDY SAI KIRAN REDDY | Sai       | Sai       |
| 80  | 15K91A04D9 | SURVI JYOTHSNA             | Jyothu    | Jyothu    |
| 81  | 15K91A04E0 | SYED AZAM PASHA            | Pasha     | Pasha     |
| 82  | 15K91A04E2 | THOLUCHURI SUJATHA         | Sujatha   | Sujatha   |
| 83  | 15K91A04E3 | TIRUMALA POOJA             | Pooja     | Pooja     |
| 84  | 15K91A04E4 | TULLURI BHAVANA            | Bhavan    | Bhavan    |
| 85  | 15K91A04E5 | U BHANUPRAKASH             | Bhanu     | Bhanu     |
| 86  | 15K91A04E6 | VADLA ANUSHA               | Anusha    | Anusha    |
| 87  | 15K91A04E7 | VADLAMUDI SURESH GOPI      | Gopi      | Gopi      |
| 88  | 15K91A04E8 | VANGA SURESH               | Suresh    | Suresh    |
| 89  | 15K91A04E9 | VARKALA KUMARASWAMY        | Kumar     | Kumar     |
| 90  | 15K91A04F0 | VARUN KUMAR JAGINI         | Varun     | Varun     |
| 91  | 15K91A04F1 | VELDI BILHANI              | Veldi     | Veldi     |
| 92  | 15K91A04F2 | VISLAVATH NAVEEN           | Naveen    | Naveen    |
| 93  | 15K91A04F3 | VITTAL BHARADWAJ           | Bhara     | Bhara     |
| 94  | 15K91A04J1 | MAJJIGAPU AKHIL REDDY      | Akhil     | Akhil     |
| 95  | 15K91A04J2 | MALOTHU VEERANNA           | Veeranna  | Veeranna  |
| 96  | 15K91A04J4 | MUTHYALA NANDITHA          | Nanditha  | Nanditha  |
| 97  | 15K91A04J5 | P S BHAVYA MANGALA         | Mangala   | Mangala   |
| 98  | 15K91A04J7 | PEDDI SAI KIRAN REDDY      | Sai       | Sai       |
| 99  | 15K91A04J8 | PERSHETTI HARSHITHA        | Harshitha | Harshitha |
| 100 | 15K91A04J9 | POTHIREDDY NIKHITHA REDDY  | Nikhitha  | Nikhitha  |
| 101 | 15K91A04K2 | RAPOLU SOUMYA              | Soumya    | Soumya    |
| 102 | 15K91A04K3 | SARANGULA SAI KUMAR        | Sai       | Sai       |
| 103 | 15K91A04K4 | SUNDHARI APARNA            | Aparna    | Aparna    |
| 104 | 15K91A04K5 | THAMMISSETTI BRAHMAM       | Brahman   | Brahman   |
| 105 | 15K91A04K7 | VEMUGANTI SHRAVYA          | Shravya   | Shravya   |
| 106 | 15K91A04K8 | VORUGANTI LAHARI           | Lahari    | Lahari    |
| 107 | 15K91A04L0 | YAMA BHARATH KUMAR         | Bharath   | Bharath   |
| 108 | 15K91A04L1 | YATA RACHANA               | Rachana   | Rachana   |
| 109 | 15K91A04L3 | REDABOTHU SANDEEP REDDY    | Sandeep   | Sandeep   |
| 110 | 15K91A04L9 | KESIREDDY PRASANTHI        | Prasanthi | Prasanthi |

  
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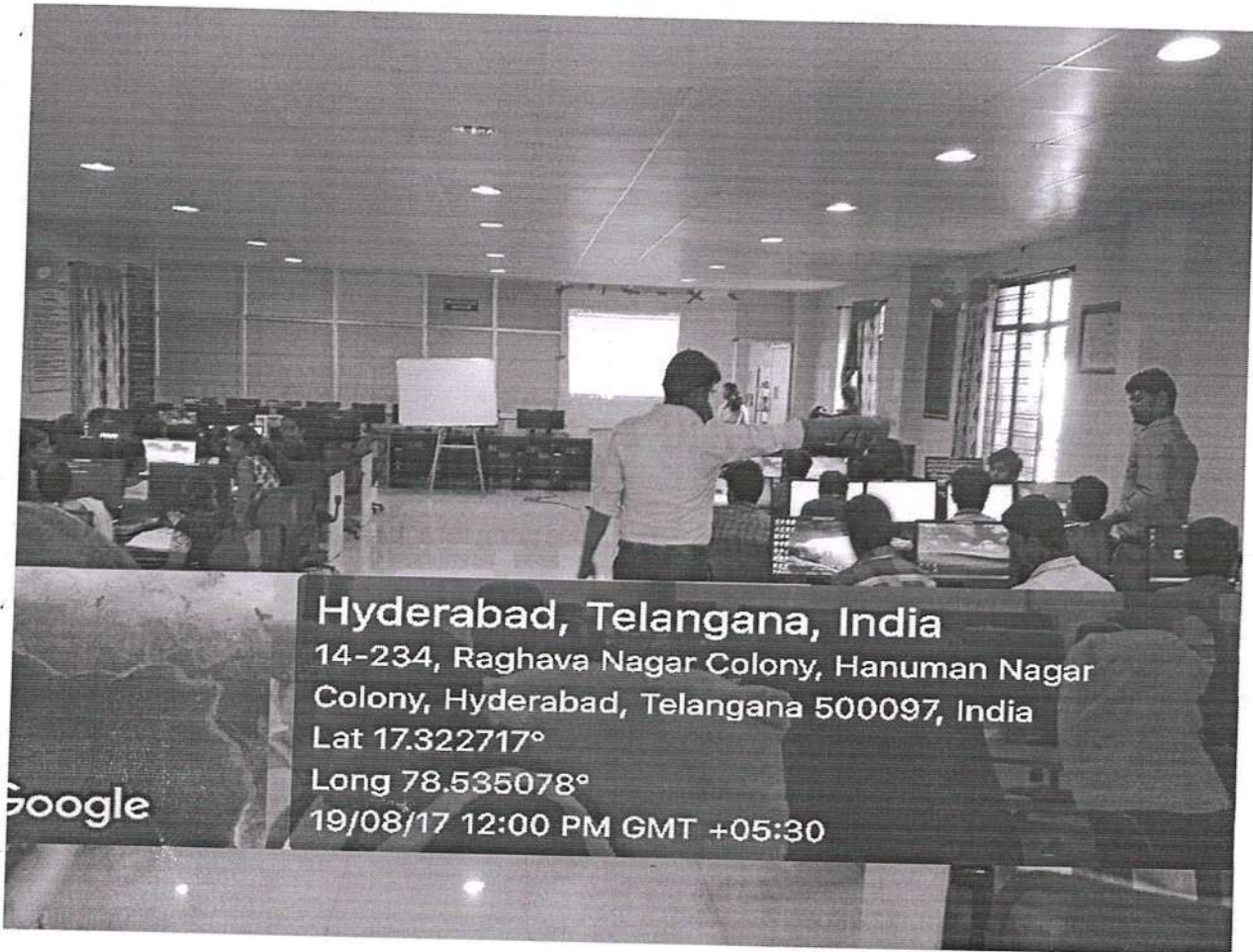


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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**



**Hyderabad, Telangana, India**

14-234, Raghava Nagar Colony, Hanuman Nagar  
Colony, Hyderabad, Telangana 500097, India

Lat 17.322717°

Long 78.535078°

19/08/17 12:00 PM GMT +05:30

Google

Workshop on IoT based home automation using Raspberry pi was conducted by TKR College of Engineering and Technology on 19/08/2017 by Md.Abdul, Sri Mudra Technologies pvt. Ltd.

**Head of the Department**  
Electronics & Communication Engineering  
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**ANDROID DEVELOPMENT AND IT'S  
APPLICATIONS**

**TKR COLLEGE OF ENGINEERING & TECHNOLOGY**  
Saroor Nagar, Medbowli, Meerpet, R.R Dist

**Department of Computer Science & Engineering**

Dt: 12-9-2017

To  
The Principal,  
TKRCET.

**Through Proper Channel:**

Respected Sir,

**SUB: Permission to conduct Workshop**

This is to bring to your kind notice that **Department of CSE** has taken an initiative to conduct workshop on "Android Development and its Applications".

**The following is the list of Resource Persons.**

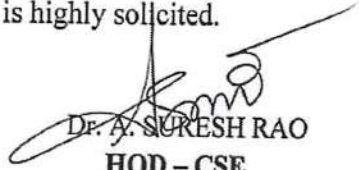
1. B. Sravan Kumar Reddy, Architect.TCS Hyderabad

The following is the budget requirement. We request you to kindly sanction the same.


| S.No | Expenditure Towards                | Expenses (approx) |
|------|------------------------------------|-------------------|
| 1    | Honorarium to the Resource Persons | Rs 40000/-        |
| 2    | Travelling (for one day)           | Rs 5000/-         |
| 3    | Food & beverages                   | Rs 2000/-         |
|      | <b>TOTAL</b>                       | <b>Rs 47000/-</b> |


Kindly do the needful in this regard. Your support and Encouragement is highly solicited.

*Submitted to  
Principal Sir,  
for Consideration &  
Approval  
ASMR 12/9/2017.*

  
Dr. A. SURESH RAO  
HOD - CSE

Dr. A. SURESH RAO  
HEAD OF THE DEPARTMENT  
Dept. of Computer Science & Engineering  
T.K.R. College of Engineering & Technology  
Meerpet, Hyderabad - 500 097.

  
Principal  
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College Code: K9

## DEPARTMENT OF CSE

Circular No: TKRCET/CSE/Seminar/Workshop/FDP/2017-2018

Dt. 12.09.2017  
Hyderabad.

## CIRCULAR

This is to inform to all the staff and students that Department of CSE, TKRCET is conducting a workshop on “**Android Development and its applications**” from **17.09.2017 to 18.09.2017**. The interested candidates can register their names. The brochure and the schedule will be shared.

Co-Ordinator  
G.VenkatRam Reddy

HOD - CSE  
Dr. A. Suresh Rao

Dr. A. SURESH RAO  
HEAD OF THE DEPARTMENT  
Dept. of Computer Science & Engineering  
T.K.R. College of Engineering & Technology  
Meerpet, Hyderabad - 500 097.

Indian in Character International in Excellence

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

PRINCIPAL  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad- 500097.



**TKR COLLEGE OF ENGINEERING  
AND TECHNOLOGY**

**AN AUTONOMOUS INSTITUTION  
ACCREDITED BY NAAC 'A' GRADE**

**ANDROID  
DEVELOPMENT**

Resource Person  
**BASAVAN KUMAR  
REDDY**

TKR COLLEGE OF ENGINEERING & TECHNOLOGY



**ABOUT**

TKR College of Engineering and Technology - a modern temple of learning, on off shoot of the TKR Educational Society was established in the year 2002 in a sprawling, dust green 20 acre campus at Meerpet, Hyderabad.

**DEPARTMENT OF CSE**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING has been established in the year 2002, is Headed by a young and efficient Professor Dr. A. SURESH RAO Under his mentorship, the department is functioning salubriously.

**CHIEF PATRON**

SHRI. TEEGALA KRISHNA REDDY,  
CHAIRMAN TKRES, EX-MLA, EX-MAYOR

**PATRON**

SHRI. T. HARINATH REDDY, SECRETARY  
SHRI.T.AMARNATH REDDY, TREASURER

**PRINCIPAL**

Dr. D.V. RAVI SHANKAR

**VICE PRINCIPAL,  
HEAD OF THE DEPARTMENT  
& DEAN ACADEMICS**

Dr. A. SURESH RAO

**DATE**

17/9/2017 to 18/9/2017

**VENUE**

AUDITORIUM

TKR COLLEGE OF ENGINEERING  
AND TEHCHNOLOGY,  
MEDBOWLI, MEERPET,  
HYDERABAD-500097

Principal

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Medbowli, Meerpet, Hyderabad-97.

COMPUTER SOCIETY OF INDIA(Estd.1965)

&

TKR COLLEGE OF ENGINEERING & TECHNOLOGY(Autonomous)



## CERTIFICATE

This is to certify that *Mr/Mrs* \_\_\_\_\_ from  
TKR COLLEGE OF ENGINEERING & TECHNOLOGY has participated  
in Two Day workshop on "ANDROID DEVELOPMENT & IT'S  
APPLICATIONS" at TKR COLLEGE OF ENGINEERING & TECHNOLOGY from  
17<sup>th</sup> September 2017 to 18<sup>th</sup> September 2017. Participant obtained \_\_\_\_\_ grade  
in the test.

Dr. A. Suresh Rao  
Coordinator  
TKRCET(A),Hyderabad

Dr.D.V. Ravi Shankar  
Principal  
TKRCET(A), Hyderabad

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
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(AUTONOMOUS)  
Medhovi, Meerpet, Hyderabad-97.

| S.NO | NAME OF THE FACULTY     | DESIGNATION     | Branch | Signature            |
|------|-------------------------|-----------------|--------|----------------------|
| 1    | DR. A SURESH RAO        | PROFESSOR       | CSE    | <i>AS</i>            |
| 2    | DR. S SOMARAJU          | PROFESSOR       | CSE    | <i>Cons.</i>         |
| 3    | DR. K V PRASAD          | PROFESSOR       | CSE    | <i>Ravi.</i>         |
| 4    | DR. K RAMESH            | PROFESSOR       | CSE    | <i>K.P.</i>          |
| 5    | DR. U NARESH            | PROFESSOR       | CSE    | <i>Nare.</i>         |
| 6    | CH RAVI                 | ASSOC.PROFESSOR | CSE    | <i>CR</i>            |
| 7    | MUSTAFEEZ UL HAQUE MOHD | ASSOC.PROFESSOR | CSE    | <i>M.</i>            |
| 8    | A SANDHYA RANI          | ASSOC.PROFESSOR | CSE    | <i>Sandhya</i>       |
| 9    | R DILEEP KUMAR          | ASSOC.PROFESSOR | CSE    | <i>Dileep</i>        |
| 10   | A PRAMOD REDDY          | ASSOC.PROFESSOR | CSE    | <i>Pr.</i>           |
| 11   | P MAHESH KUMAR          | ASSOC.PROFESSOR | CSE    | <i>Ma.</i>           |
| 12   | T MADHU                 | ASSOC.PROFESSOR | CSE    | <i>Madhu</i>         |
| 13   | S REVATHI               | ASSOC.PROFESSOR | CSE    | <i>Revathi</i>       |
| 14   | M POOJA                 | ASSOC.PROFESSOR | CSE    | <i>Pooja</i>         |
| 15   | M THANMAYEE             | ASSOC.PROFESSOR | CSE    | <i>Thanmayee</i>     |
| 16   | K SHIRISHA REDDY        | ASST PROFESSOR  | CSE    | <i>Shirisha</i>      |
| 17   | K INDRA KIRAN REDDY     | ASST PROFESSOR  | CSE    | <i>Kir.</i>          |
| 18   | V PRAGATHI              | ASST PROFESSOR  | CSE    | <i>Pragathi</i>      |
| 19   | RATNA SIRISHA           | ASST PROFESSOR  | CSE    | <i>Ratna</i>         |
| 20   | P UMA MAHESHWARI        | ASST PROFESSOR  | CSE    | <i>Uma</i>           |
| 21   | D LAXMI PRASANNA        | ASST PROFESSOR  | CSE    | <i>Laxmi</i>         |
| 22   | RAGHAVENDRA SWAMY       | ASST PROFESSOR  | CSE    | <i>Raghu</i>         |
| 23   | E AMARNATH GOUD         | ASST PROFESSOR  | CSE    | <i>Amarnath</i>      |
| 24   | P LAXMI PRASANNA        | ASST PROFESSOR  | CSE    | <i>Laxmi</i>         |
| 25   | P LAKSHMI               | ASST PROFESSOR  | CSE    | <i>Lakshmi</i>       |
| 26   | P SWETHA                | ASST PROFESSOR  | CSE    | <i>Swetha</i>        |
| 27   | PADMAVATHI NAKKA        | ASST PROFESSOR  | CSE    | <i>Padma</i>         |
| 28   | REDDY MANASA            | ASST PROFESSOR  | CSE    | <i>Manasa</i>        |
| 29   | MAHESH JELLA            | ASST PROFESSOR  | CSE    | <i>Ma.</i>           |
| 30   | SAI SUDHA B             | ASST PROFESSOR  | CSE    | <i>Sudha</i>         |
| 31   | K MOUNIKA               | ASST PROFESSOR  | CSE    | <i>Mounika</i>       |
| 32   | G SUSHMITHA             | ASST PROFESSOR  | CSE    | <i>Sushmitha</i>     |
| 33   | K SNEHA                 | ASST PROFESSOR  | CSE    | <i>Sneha</i>         |
| 34   | G VENKATRAM REDDY       | ASST.PROFESSOR  | CSE    | <i>Venkatram</i>     |
| 35   | G DEEPTHI               | ASST.PROFESSOR  | CSE    | <i>Deepti</i>        |
| 36   | R PRATHYUSHA            | ASST.PROFESSOR  | CSE    | <i>Prathyusha</i>    |
| 37   | T SHASHI KUMAR          | ASST.PROFESSOR  | CSE    | <i>Shashi</i>        |
| 38   | P KEERTHI               | ASST.PROFESSOR  | CSE    | <i>Keerthi</i>       |
| 39   | B SAI PRASAD            | ASST.PROFESSOR  | CSE    | <i>Sai Prasad</i>    |
| 40   | K SHIVA SHANKAR GOUD    | ASST.PROFESSOR  | CSE    | <i>Shiva</i>         |
| 41   | R RAMESH                | ASST.PROFESSOR  | CSE    | <i>Ramesh</i>        |
| 42   | P CHANDRASHEKAR         | ASST.PROFESSOR  | CSE    | <i>Chandrashekar</i> |
| 43   | V RAMESH                | ASST.PROFESSOR  | CSE    | <i>V.Ramesh</i>      |
| 44   | B VASAVI SRAVANTHI      | ASST.PROFESSOR  | CSE    | <i>Vasavi</i>        |
| 45   | CH JYOTHI               | ASST.PROFESSOR  | CSE    | <i>Jyothi</i>        |
| 46   | P BHAVANI               | ASST.PROFESSOR  | CSE    | <i>Bhavani</i>       |
| 47   | R SAYI RAM              | ASST.PROFESSOR  | CSE    | <i>Sayi Ram</i>      |
| 48   | T PHANIRAJ KUMAR        | ASST.PROFESSOR  | CSE    | <i>Phaniraj</i>      |
| 49   | D RAVI KISHORE          | ASST.PROFESSOR  | CSE    | <i>Ravi</i>          |
| 50   | Y LATHA                 | ASST.PROFESSOR  | CSE    | <i>Latha</i>         |
| 51   | G ARPITHA               | ASST.PROFESSOR  | CSE    | <i>Arpitha</i>       |
| 52   | B NARESH                | ASST.PROFESSOR  | CSE    | <i>Nare.</i>         |
| 53   | SANGALA SOWJANYA        | ASST.PROFESSOR  | CSE    | <i>Sowjanya</i>      |
| 54   | M SUSHMA                | ASST.PROFESSOR  | CSE    | <i>Sushma</i>        |
| 55   | G ANANTHA LAXMI         | ASST.PROFESSOR  | CSE    | <i>Anantha</i>       |

*AS*  
 DR. A. SURESH RAO  
 HEAD OF THE DEPARTMENT  
 Dept. of Computer Science & Engineering  
 T.K.R. College of Engineering & Technology

*[Signature]*  
 Principal  
 TKR College of Engineering & Technology  
 (AUTONOMOUS)  
 Medbowli, Meerpet, Hyderabad-97.

PRINCIPAL  
 TKR College of Engineering & Technology  
 (AUTONOMOUS)  
 Medbowli, Meerpet, Hyderabad- 500097.



Registration form

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Institution & Department: \_\_\_\_\_

Address: \_\_\_\_\_

Qualifications: \_\_\_\_\_

Experience in years: \_\_\_\_\_ Teaching: \_\_\_\_\_

Research: \_\_\_\_\_

Sex: Male/Female

Whatsapp No: \_\_\_\_\_

Email: \_\_\_\_\_

Signature of the  
Candidate

Signature of the  
Head of the Institution

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

# A Report on "Android Development & its Applications"

Date: 18.09.2017

"A Workshop on "Android Development & its Applications" was organized for faculty of CSE Department, on 17.9.2017 and 18.9.2017.

The following is the list of Resource Persons.

1. B Sravan Kumar Reddy

This Workshop was organized by department of CSE, TKRCET. This Seminar covered Android Development & its applications.

This Workshop was divided into 3 sessions from 17.9.2017-18.9.2017. The following Topics and modules are covered by the Resource Person.

## Session-1

- Introduction
- Learn about Android Development From Basics
- Installation of Android Studio
- Know about Android Studio, creating "Hello World" app and much

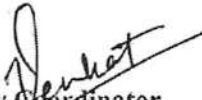
## Session-2

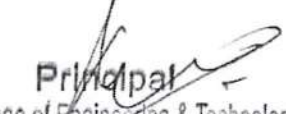
- Project Structure & View Groups
- Get insights on Android Manifest file & View Groups like, Linear, Relative
- Activity in Android
- Accessing Res in Java


## Session-3

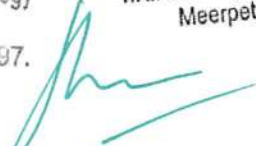
- Data Storage
- Get to know about Shared Preference, Internal & External Storage

The Workshop gave insights and knowledge on Android Development fundamentals and applications. Workshop was attended by 57 faculties with tremendous contribution and response from faculties. Program was a grand success. Feedback gathered for the content of Workshop indicates that session was helpful and the concepts learned can be applied in their engineering.

  
Faculty Coordinator  
G VenkatRam Reddy

  
Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

  
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AUTONOMOUS

Approved By AICTE, Affiliated to JNTUH, Accredited by NBA Accredited by NAAC with 'A' Grade

# Android Development and it's Applications

Resource Person  
B.SRAVAN KUMAR REDDY

A handwritten signature in green ink, likely of the Principal, is written over the printed name and title.

Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Madbowli, Meerpeta, Hyderabad-97.

**COMPREHENSIVE PERSPECTIVE OF DIGITAL  
ECOSYSTEM**

**TKR COLLEGE OF ENGINEERING & TECHNOLOGY**  
Saroor Nagar, Medbowli, Meerpet, R.R Dist

**Department of Computer Science & Engineering**

Dt: 19-03-2018

To  
The Principal,  
TKRCET.

**Through Proper Channel:**

Respected Sir,

**SUB:** Permission to conduct Workshop

This is to bring to your kind notice that **Department of CSE** has taken an initiative to conduct Three Day Workshop on "**Comprehensive Perspective of Digital EcoSystem**".

**The following is the list of Resource Persons.**

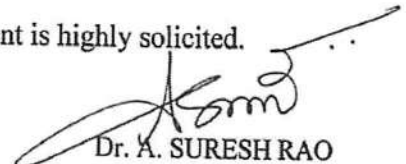
1. Venkatarao Kadari, Principal Architect at Microsoft Tech Mahindra Hyderabad.

The following is the budget requirement. We request you to kindly sanction the same.


| S.No | Expenditure Towards                | Expenses (approx) |
|------|------------------------------------|-------------------|
| 1    | Honorarium to the Resource Persons | Rs 40000/-        |
| 2    | Travelling (for one day)           | Rs 5000/-         |
| 3    | Food & beverages                   | Rs 2000/-         |
|      | <b>TOTAL</b>                       | <b>Rs 47000/-</b> |

Kindly do the needful in this regard. Your support and Encouragement is highly solicited.

*Submitted to  
Principal Sir for  
consideration  
ASMR 19/3/2018*

  
Dr. A. SURESH RAO  
HOD - CSE

Dr. A. SURESH RAO  
HEAD OF THE DEPARTMENT  
Dept. of Computer Science & Engineering  
T.K.R. College of Engineering & Technology  
Medbowli, Meerpet, Hyderabad - 500097.

  
Principal  
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Medbowli, Meerpet (V), Balapur (M) Ranga Reddy (D), Hyderabad, Telangana - 500097

Mobile: 9100377790, E-mail: info@tkrcet.ac.in, Website: www.tkrcet.ac.in



College Code: K9


## DEPARTMENT OF CSE

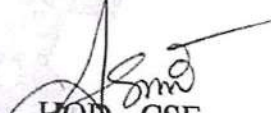
Circular No: TKRCET/CSE/Seminar/Workshop/FDP/2017-2018

Dt. 19.03.2018  
Hyderabad.

## CIRCULAR

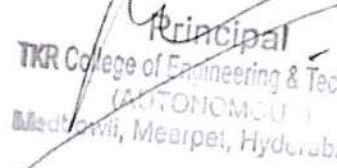
This is to inform to all the staff and students that Department of CSE, TKRCET is conducting a Two day workshop on “Comprehensive Perspective of Digital Eco System” from 23.03.2018 to 24.03.2018. The interested candidates can register their names. The brochure and the schedule will be shared.


  
Co-Ordinator  
G.VenkatRam Reddy

  
HOD - CSE  
Dr. A. Suresh Rao

Dr. A. SURESH RAO  
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Institution & Department: \_\_\_\_\_

Address: \_\_\_\_\_

Qualifications: \_\_\_\_\_

Experience in years: \_\_\_\_\_ Teaching: \_\_\_\_\_

Research: \_\_\_\_\_

Sex: Male/Female

Whatsapp No: \_\_\_\_\_

Email: \_\_\_\_\_

Signature of the  
Candidate

Signature of the  
Head of the Institution

Principal  
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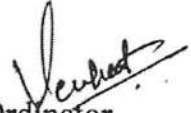
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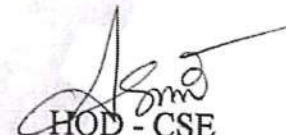
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Dt. 19.03.2018  
Hyderabad.

## CIRCULAR

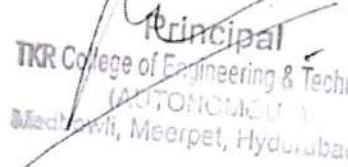
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Co-Ordinator  
G.VenkatRam Reddy

  
HOD - CSE  
Dr. A. Suresh Rao

Dr. A. SURESH RAO  
HEAD OF THE DEPARTMENT  
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**SECRETARY**

**SHRI. T. HARINATH REDDY, SECRETARY**  
**SHRI.T.AMARNATH REDDY,TREASURER**

**PRINCIPAL**

**Dr. D.V. RAVI SHANKAR**

**VICE PRINCIPAL**

**HEAD OF THE DEPARTMENT & DEAN**  
**ACADEMICS**

**Dr. A. SURESH RAO**



**DATE**

23-03-2018 to 24-03-2018



**VENUE**

AUDITORIUM

TKR COLLEGE OF ENGINEERING AND  
TEHCHNOLOGY, MEDBOWLI,  
MEERPET, HYDERABAD-500097



**Co-Ordinator-** G.Venkatram Reddy



**Principal**

TKR College of Engineering & Technology  
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Meerpet, Hyderabad-97



**TKR COLLEGE OF ENGINEERING  
AND TECHNOLOGY**  
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ACCREDITED BY NAAC 'A'**

*"Comprehensive Perspective  
of Digital Ecosystem"*

Resource Person

**Mr. Venkata Rao Kadari**

DIGITAL ECO  
SYSTEM

**ORGANIZED BY**  
**DEPARTMENT OF COMPUTER  
SCIENCE AND ENGINEERING**  
**TKRCET**



COMPUTER SOCIETY OF INDIA(Estd.1965)



&  
TKR COLLEGE OF ENGINEERING & TECHNOLOGY(Autonomous)

## CERTIFICATE

*This is to certify that Mr/Mrs \_\_\_\_\_ from*  
**TKR COLLEGE OF ENGINEERING & TECHNOLOGY** *has participated*  
*in Two Day workshop on "COMPREHENSIVE PERSPECTIVE OF*  
**DIGITAL ECOSYSTEM" at TKR COLLEGE OF ENGINEERING & TECHNOLOGY** *from*  
*23<sup>th</sup> March 2017 to 29<sup>th</sup> March 2017. Participant obtained \_\_\_\_\_ grade in the test.*

**Dr. A. Suresh Rao**  
Coordinator  
TKRCET(A),Hyderabad

  
Principal  
TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medbowli, Meerpet, Hyderabad-97.

**Dr.D.V. Ravi Shankar**  
Principal  
TKRCET(A), Hyderabad

**Attendance Sheet 2017-18**

| S.NO | NAME OF THE FACULTY     | DESIGNATION     | Branch | Signature   |
|------|-------------------------|-----------------|--------|-------------|
| 1    | DR. A SURESH RAO        | PROFESSOR       | CSE    | [Signature] |
| 2    | DR. S SOMARAJU          | PROFESSOR       | CSE    | [Signature] |
| 3    | DR. K V PRASAD          | PROFESSOR       | CSE    | [Signature] |
| 4    | DR. K RAMESH            | PROFESSOR       | CSE    | [Signature] |
| 5    | DR. U NARESH            | PROFESSOR       | CSE    | [Signature] |
| 6    | CH RAVI                 | ASSOC.PROFESSOR | CSE    | [Signature] |
| 7    | MUSTAFEEZ UL HAQUE MOHD | ASSOC.PROFESSOR | CSE    | [Signature] |
| 8    | A SANDHYA RANI          | ASSOC.PROFESSOR | CSE    | [Signature] |
| 9    | R DILEEP KUMAR          | ASSOC.PROFESSOR | CSE    | [Signature] |
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| 11   | P MAHESH KUMAR          | ASSOC.PROFESSOR | CSE    | [Signature] |
| 12   | T MADHU                 | ASSOC.PROFESSOR | CSE    | [Signature] |
| 13   | S REVATHI               | ASSOC.PROFESSOR | CSE    | [Signature] |
| 14   | M POOJA                 | ASSOC.PROFESSOR | CSE    | [Signature] |
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| 19   | RATNA SIRISHA           | ASST PROFESSOR  | CSE    | [Signature] |
| 20   | P UMA MAHESHWARI        | ASST PROFESSOR  | CSE    | [Signature] |
| 21   | D LAXMI PRASANNA        | ASST PROFESSOR  | CSE    | [Signature] |
| 22   | RAGHAVENDRA SWAMY       | ASST PROFESSOR  | CSE    | [Signature] |
| 23   | E AMARNATH GOUD         | ASST PROFESSOR  | CSE    | [Signature] |
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| 27   | PADMAVATHI NAKKA        | ASST PROFESSOR  | CSE    | [Signature] |
| 28   | REDDY MANASA            | ASST PROFESSOR  | CSE    | [Signature] |
| 29   | MAHESH JELLA            | ASST PROFESSOR  | CSE    | [Signature] |
| 30   | SAI SUDHA B             | ASST PROFESSOR  | CSE    | [Signature] |
| 31   | K MOUNIKA               | ASST PROFESSOR  | CSE    | [Signature] |
| 32   | G SUSHMITHA             | ASST PROFESSOR  | CSE    | [Signature] |
| 33   | K SNEHA                 | ASST PROFESSOR  | CSE    | [Signature] |
| 34   | G VENKATRAM REDDY       | ASST.PROFESSOR  | CSE    | [Signature] |
| 35   | G DEEPTHI               | ASST.PROFESSOR  | CSE    | [Signature] |
| 36   | R PRATHYUSHA            | ASST.PROFESSOR  | CSE    | [Signature] |
| 37   | T SHASHI KUMAR          | ASST.PROFESSOR  | CSE    | [Signature] |
| 38   | P KEERTHI               | ASST.PROFESSOR  | CSE    | [Signature] |
| 39   | B SAI PRASAD            | ASST.PROFESSOR  | CSE    | [Signature] |
| 40   | K SHIVA SHANKAR GOUD    | ASST.PROFESSOR  | CSE    | [Signature] |
| 41   | R RAMESH                | ASST.PROFESSOR  | CSE    | [Signature] |
| 42   | P CHANDRASHEKAR         | ASST.PROFESSOR  | CSE    | [Signature] |
| 43   | V RAMESH                | ASST.PROFESSOR  | CSE    | [Signature] |
| 44   | B VASAVI SRAVANTHI      | ASST.PROFESSOR  | CSE    | [Signature] |
| 45   | CH JYOTHI               | ASST.PROFESSOR  | CSE    | [Signature] |
| 46   | P BHAVANI               | ASST.PROFESSOR  | CSE    | [Signature] |
| 47   | R SAYI RAM              | ASST.PROFESSOR  | CSE    | [Signature] |
| 48   | T PHANIRAJ KUMAR        | ASST.PROFESSOR  | CSE    | [Signature] |
| 49   | D RAVI KISHORE          | ASST.PROFESSOR  | CSE    | [Signature] |
| 50   | Y LATHA                 | ASST.PROFESSOR  | CSE    | [Signature] |
| 51   | G ARPITHA               | ASST.PROFESSOR  | CSE    | [Signature] |
| 52   | B NARESH                | ASST.PROFESSOR  | CSE    | [Signature] |
| 53   | SANGALA SOWJANYA        | ASST.PROFESSOR  | CSE    | [Signature] |
| 54   | M SUSHMA                | ASST.PROFESSOR  | CSE    | [Signature] |
| 55   | G ANANTHA LAXMI         | ASST.PROFESSOR  | CSE    | [Signature] |

Dr. A SURESH RAO  
 HEAD OF THE DEPARTMENT  
 Dept. of Computer Science & Engineering  
 T.K.R. College of Engineering & Technology  
 Meerpet, Hyderabad - 500 097.

  
**PRINCIPAL**

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 Medbowli, Meerpet, Hyderabad-500097.

**Principal**  
 TKR College of Engineering & Technology  
 (AUTONOMOUS)  
 Medbowli, Meerpet, Hyderabad-97

# A Report on "Comprehensive Perspective of Digital Eco System"

Date: 24.03.2018

"A Workshop on "Comprehensive Perspective of Digital Eco Systems" was organized for faculty of CSE Department, on 23.03.2018 and 24.03.2018.

The following is the list of Resource Persons.

1. Mr. Venkata Rao Kadari

This Workshop was organized by department of CSE, TKRCET. This Seminar covered Digital Eco System in engineering.

This Workshop was divided into 3 sessions from 23.03.2018-24.03.2018. The following Topics and modules are covered by the Resource Person.

## Session-1

- Introduction
- Key Capability Sets
- Capability Developments options

## Session-2

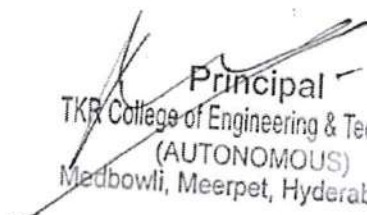
- Learning's from the Marketplace
- Key risks and potential mitigation approaches

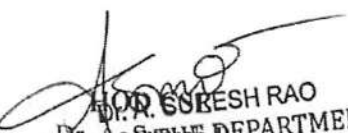
## Session-3

- Critical reflections from an institutional perspective
- Diversity management

The Workshop gave insights and knowledge on Perspective of Digital Eco System fundamentals. Workshop was attended by 55 faculties with tremendous contribution and response from faculties. Program was a grand success. Feedback gathered for the content of Workshop indicates that session was helpful and the concepts learned can be applied in their engineering.

  
Faculty Coordinator  
G. Venkatram Reddy

  
Principal  
TKR College of Engineering & Technology  
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Medbowli, Meerpet, Hyderabad-97.

  
D. R. SURESH RAO  
HEAD OF THE DEPARTMENT  
Dept. of Computer Science & Engineering  
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**AUTONOMOUS**

Approved By AICTE, Affiliated to JNTUH, Accredited by NBA Accredited by NAAC  
with 'A' Grade

# Comprehensive Perspective of Digital Ecosystem

Resource Person

Mr. Venkata Rao Kadari

Principal

TKR College of Engineering & Technology  
(AUTONOMOUS)  
Medibowli, Meerpeta, Hyderabad

**IPR TECHNOLOGY TRANSFER AND  
COMMERCIALIZATION**

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY  
Meerpet, Medbowli, saroomagar-500097

**DEPARTMENT OF INFORMATION TECHNOLOGY**

Dt.11.12.2017  
Hyderabad

To  
The Principal,  
TKRCET, Meerpet.

**Through Proper channel**

Sub: Request to permit us to conduct a Two Day Workshop

Respected Sir,

We are glad to inform you that Department of Information Technology took the initiative to conduct a two day workshop on "**IPR Technology transfer and Commercialization**".

The speaker of the session is

1. Dr. K. Raghava Rao , KLUUniversity, Vijayawada.


The tentative schedule of organizing workshop is from 28.12.2017 to 29.12.2017.

In this regard, we request the high office, to permit Department of Information Technology to conduct the Workshop.

Thanking you Sir,

  
Dr. K.M.V. Madan Kumar

HOD-IT  
Head Dept. of Information Technology  
TKR College of Engineering & Technology  
Medbowli, Meerpet, Hyderabad- 500097-TS.

  
Principal  
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# TKR COLLEGE OF ENGINEERING AND TECHNOLOGY

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTU)

Accredited by NBA

Medbowli, Meerpet, Saroornagar, Hyderabad - 500 097

Phone: 040-65587536, 65347536 Fax: +91-040-24094567 IVR : 24097333

e-mail: info@tkrcet.ac.in website: www.tkrct.ac.in

College Code : K9

## DEPARTMENT OF INFORMATION TECHNOLOGY

Circular No.: TKRCET/IT/Workshop/2017-18


Dt. 22.12.2017

Hyderabad


### CIRCULAR

This is to inform to all the staff and students that Department of Information Technology, TKRCET is conducting a two day Workshop on "IPR Technology transfer and Commercialization" from 28.12.2017 to 29.12.2017. The interested candidates can register their names. The brochure and the schedule will be shared.

  
Co-Ordinator

  
Dr. K.M.V. Madan Kumar  
HOD-IT

Head Dept. of Information Technology  
TKR College of Engineering & Technology  
Medbowli, Meerpet, Hyderabad- 500097-TS.

  
Principal  
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Shri. Teegala Krishna Reddy,  
Chairman

### CO-PATRONS

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- 2) Shri. T. Amarnath Reddy, Treasurer

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- 2) Dr. A. Suresh Rao, HOD of CSE,  
Vice Principal & Dean

### CONVENOR

Dr.K.M.V.Madan Kumar,  
HOD-IT

### CO-ORDINATOR

Mrs. C.Jaya Lakshmi  
Associate Professor

### PROGRAM CO-ORDINATOR

Mrs. D. Kavitha, Assistant Professor

### ORGANIZING COMMITTEE

- 1) Mr V. Ravi Kumar, Associate Professor
- 2) Mrs T.Madhumathi, Assistant Professor

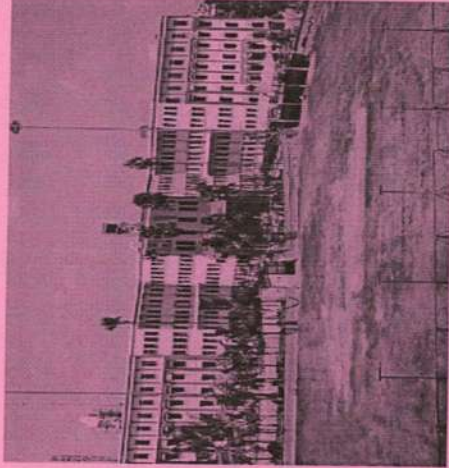
Head Dept. of Information Technology  
TKR College of Engineering & Technology  
Medbowli, Meerpet, Hyderabad- 500097-TS.

### VENUE

Seminar Hall  
Department of Information Technology  
TKRCET

### CONTACT

Mrs. D. Kavitha, Assistant Professor  
9949509397



### RESOURCE PERSON

Dr. K. Raghava Rao,  
Professor in CSE ,  
KLU University,  
Vijayawada

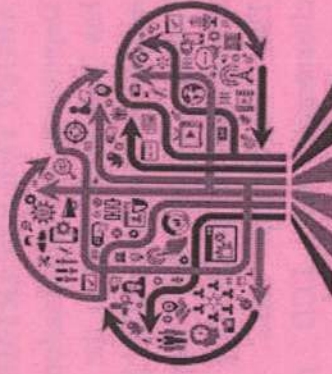
Principal  
TKR College of Engineering & Technology  
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Medbowli, Meerpet, Hyderabad-97.



## TWO DAY WORKSHOP ON IPR TECHNOLOGY TRANSFER AND COMMERCIALIZATION

28<sup>th</sup> - 29<sup>th</sup> DECEMBER 2017

9:30 AM-1:00 PM & 2:00 PM -4:30 PM



Organized by  
DEPARTMENT OF  
INFORMATION TECHNOLOGY  
TKR COLLEGE OF ENGINEERING AND TECHNOLOGY  
(AUTONOMOUS) – K9

(Approved by AICTE Affiliated to JNTUH Accredited)  
Medbowli, Meerpet(Vill.), Balapur(Mandal),  
RR(Dist).  
Telangana -500097



# TKR COLLEGE OF ENGINEERING & TECHNOLOGY

**AUTONOMOUS**

Survey No -8/A, Raghava Nagar Colony, Medbowli, Meerpet, Hyderabad, Telangana 500097



**Department of Information Technology**

## **CERTIFICATE OF PARTICIPATION**

This is to certify that Mr/Ms **G NANDINI** from TKR College of Engineering and Technology, Hyderabad has participated in workshop on “**IPR Technology transfer and commercialization**” from **28<sup>th</sup> -29<sup>th</sup> December 2017** during the academic year **2017-18**

**C Jaya Lakshmi**

**COORDINATOR**

**Dr K M V Madan Kumar**

**HOD**

**Dr D V Ravi Shankar**

**PRINCIPAL**

TKR COLLEGE OF ENGINEERING AND TECHNOLOGY  
DEPARTMENT OF INFORMATION TECHNOLOGY  
IPR TECHNOLOGY TRANSFER AND COMMERCIALIZATION

DATE: 28-12-2017

| SNO | NAME                  | SIGNATURE   |
|-----|-----------------------|-------------|
| 1.  | A. Subha              | Subha       |
| 2.  | Manish                | manish      |
| 3   | A. Vamsidhar Reddy    | Vamsidhar   |
| 4   | D. Anil               | Anil        |
| 5   | D. Mounika            | mounika     |
| 6   | G. Anusha Reddy       | Anusha      |
| 7   | M. Sirivalli          | Sivalli     |
| 8   | SUMANETHA             | Suma        |
| 9   | P. Nagarani           | P. Nagarani |
| 10  | V. Likhitha           | Likhi       |
| 11  | A. Sushmitha          | Sushmitha   |
| 12  | A. Sailatha           | Latha       |
| 13  | B. Bhavitha           | Bhavitha    |
| 14  | G. Nandini            | Nandini     |
| 15  | P. Srinusha           | Srinusha    |
| 16  | S. MADHULIKA          | Madhulika   |
| 17  | S. Anupama            | Anupama     |
| 18  | T. Anitha             | Anitha      |
| 19  | V. Vidya Manu Sowari  | Sowari      |
| 20  | B. Manjari            | Manjari     |
| 21  | V. Ramesh Reddy       | Ramesh      |
| 22  | A. Praveen            | Praveen     |
| 23  | P. Rohit              | Rohit       |
| 24  | A. Pavan Krishna      | Pavan       |
| 25  | Ch. Rahul Mallik      | Rahul       |
| 26  | Chetan Reddy          | Chetan      |
| 27  | D. Vamsi Charam Reddy | Vamsi       |
| 28  | G. Aravind            | Aravind     |
| 29  | P. Chandana           | P. Chandana |
| 30  | M. Raja               | Raja        |
| 31  | M. Raksha             | Raksha      |
| 32  | P. Dinesh             | Dinesh      |
| 33  | D. Kruthika           | Kruthika    |
| 34  | Sreeka                | Sreeka      |
| 35  | M. Sreesai            | M. Sreesai  |
| 36  | K. Sravani            | Sravani     |
| 37  | Akhil Yadav           | Akhil       |
| 38  | Aishwarya G           | Aishwarya   |
| 39  | G. Monica             | G. Monica   |
| 40  | A. Supriya            | Supriya     |
| 41  | B. Pranathi           | Pranathi    |
| 42  | B. Gayatri            | Gayatri     |

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Principal  
TKR College of Engineering & Technology  
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**A Report on**  
**“IPR TECHNOLOGY TRANSFER AND**  
**COMMERCIALIZATION”**

**Date:02-01-2018**

A two day workshop on “IPR TECHNOLOGY TRANSFER AND COMMERCIALIZATION” was organized for student of Information Technology from 28-12-2017 to 29-12-2017

**Resource Person**


Dr.K.Raghava Rao,Professor/CSE, KLU


The following topics and modules are covered by the Resource Person

| S.No | Date     | Resource Person                                      | Topic  |
|------|----------|--|--|
| 1    | 28-12-17 | Dr.K.Raghava Rao,<br>Professor/CSE,<br>KL University | Introduction to Intellectual<br>Property Rights<br>Patenting Process |
| 2    | 29-12-17 | raghavarao@klu.com                                   | Patent Analytics<br>IP Valuation<br>Commercialization of IP          |

The two-day workshop on IPR Technology Transfer and Commercialization was conducted from 28-12-2017 to 29-12-2017 at IT Seminar hall. The workshop was attended by 42 participants. The two-day workshop on IPR Technology Transfer and Commercialization provided an in-depth understanding of Intellectual Property Rights (IPR) and their significance in technology transfer and commercialization. The workshop covered various topics such as the basics of IPR, the patenting process, patent analytics, IP valuation, technology transfer modes, commercialization of IP

  
**Coordinator**  
**Mrs.C.Jayalakshmi**

  
**Principal**  
**TKR College of Engineering & Technology**  
**(AUTONOMOUS)**  
**Medbowli, Meerpet, Hyderabad-97.**

  
**HOD IT**  
**Head Dept. of Information Technology**  
**TKR College of Engineering & Technology**  
**Medbowli, Meerpet, Hyderabad- 500097-TS.**



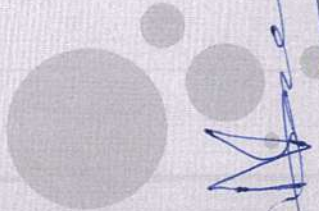
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# IPR TECHNOLOGY TRANSFER AND COMMERCIALIZATION



  
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Dr. K. Raghava Rao,  
(Department of CSE, KLU)