



FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

Internet of Things and its Real Time Applications

(25th March'2017 to 31st March'2017)

Organized by

Department of CSE

KKR & KSR Institute of Technology and Sciences, Guntur, A.P

in association with

National Institute of Technology, Warangal.

Under the Scheme of Electronics & ICT Academy

(Sponsored by Department of Electronics and Information Technology (DeitY), GOI)



Preamble:

"Electronics & ICT Academy" is being set up at NIT Warangal with financial assistance from DeitY, MCIT, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa States and Pondicherry and Andaman & Nicobar Islands UTs. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies; training & consultancy services for Industry; Curriculum development for Industry; CEP for working professionals; Advice and support for technical incubation and entrepreneurial activities.

The aim of this programme is to introduce the participants to the amazing world of sensor networks and other IOT platforms. IOT is the idea of making devices (namely sensors, actuators and other objects) smarter by linking them to the internet. This FDP serves as a platform to train and educate the research scholars, faculty, and people from industry to interact on cutting-edge technologies in this emerging area.

Major Course Contents

- Introduction to Sensors and IOT
- Design of sensor network protocols including MAC and routing protocols
- Sensor web and Cloud
- Energy efficient protocol design
- Communication protocols, interconnections, system design and development
- Service Discovery and device to device communication in IOT
- Data management and big data analytics in IOT.
- Security in IOT
- Research issues and case studies in IOT.

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

Eligibility:

The programme is open to the teachers/research scholars of Engineering Colleges, MCA Colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa states and Pondicherry, Andaman and Nicobar Islands UTs. Industry personnel working in the concerned /allied discipline can also attend.

Organized at:

The Programme will be coordinated and conducted by Department of Computer Science and Engineering, KKR & KSR Institute of Technology & Sciences, Vinjanampadu (Vil), Vatticherukuru (Md), Guntur (Dt), A.P. The whole course is handled by academicians and industry experts.

Registration Fee Particulars:

Faculty members (2000 ₹)

Faculty members from other states (8500 ₹)

Faculty of SC/ ST category from mentioned states (500 ₹)

Industry participants (6000 ₹)

The participants need to send a crossed demand draft (DD) drawn in favor of "Director, NIT Warangal" and payable at SBH, NIT Warangal branch.

Accommodation:

Accommodation will be provided to the selected outside participants on prior request. No TA/DA will be paid for the participants. Working Lunch, Tea & Snacks would be provided during the Training in the campus.

Venue: Seminar Hall & CSE Labs, KITS

How to apply:

A filled-in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the host institute coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through email repudiramesh@gmail.com as selection will be intimated only through mail. Program duration is 6 (six) working days including Sunday. (28-03-2017 is Holiday on the occasion of UGADI Festival).

Selection Criteria:

Selection will be done based on *first-come-first-serve basis* to a maximum number of 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date of Sending (Application & DD)	20 th March' 2017
Sending Selection List by E-mail	22 th March' 2017
Duration	25 th -31 st March' 2017 (28-03-2017 is Holiday on the occasion of UGADI Festival).

About the Institutes:

National Institute of Technology (formerly Regional Engineering College), Warangal is an Institute of National Importance and fully funded by MHRD, Govt. of India. It offers various programmes B.Tech. In eight branches, PG and M.Tech. Programmes and also Ph.D. programmes.

About KITS:

KKR & KSR Institute of Technology and Sciences (KITS) was established in the year 2008, by GSR & KKR EDUCATIONAL SOCIETY in Vinjanampadu village, Vatticherukuru Mandal of Guntur district. The Institute is accredited with "A" Grade by NAAC. Undergraduate programmes in Departments of Computer Science and Engineering (CSE), Electrical and Electronics Engineering (EEE), Electronics and Communications Engineering (ECE), Later programmes in MBA, M.Tech(CSE), M.Tech (VLSI), M.Tech(PE&D), M.Tech(DECs), Departments of Civil Engineering and Mechanical Engineering were inducted. Dr.P.Babu is the Principal of KKR & KSR Institute of Technology & Sciences.



APPLICATION FORM
FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Internet of Things and its Real Time Applications
(25th March'2017 to 31st March'2017)



Organized by
Department of CSE
KKR & KSR Institute of Technology and Sciences, Guntur, A.P
in association with
National Institute of Technology, Warangal.
Under the Scheme of Electronics & ICT Academy
(Sponsored by Department of Electronics and Information Technology (DeitY), GOI)

1. Name :
2. Designation :
3. Institution :
4. Email :
5. DD No: Bank: Date:
6. Address for Correspondence

SPONSORSHIP CERTIFICATE

Dr /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "Internet of Things and its Real Time Applications" sponsored by Electronics & ICT Academy during 25th March– 31st March'2017 at KKR & KSR Institute of Technology & Sciences, Guntur.

Signature of Head of Institution
(with seal)

7. Educational Qualification:
8. Subjects taught so far:
9. No. of refresher courses/workshops attended:
10. Experience (in years):
Teaching: Research: Industry:
11. Accommodation required: YES / NO
12. Do you belong to SC/ST : YES/ NO
(If yes, please attach a photo copy of caste certificate)

Address for correspondence

Post your application form with DD to
Prof.R.Ramesh

Training Coordinator for FDP on "Internet of Things and its Real Time Applications"
HOD, Department of CSE, KKR & KSR Institute of Technology & Sciences. Vinjanampadu (Vil), Vatticherukuru(Md), Guntur, A.P – 522 017

E-mail the scanned copies of filled-in and duly signed application form along with DD to
repudiramesh@gmail.com

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

For more details about Electronics & ICT Academy, NITW, please visit:
<http://nitw.ac.in/eict>

For more enquiries please contact:
Mobile: 9493925553, 8978692777
E-mail: repudiramesh@gmail.com

Signature of the Applicant

Coordinators

Dr. Rashmi Ranjan Rout
Department of CSE
National Institute of Technology
WARANGAL - 506 004.

Prof. R.Ramesh
Head
Department of CSE,
KKR&KSR Institute of Technology &
Sciences
GUNTUR, A.P -522 017.



A ONE WEEK NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAMME (FDP) ON
**INTERNET OF THINGS &
ITS REAL TIME APPLICATIONS**

25th to 31st March 2017

Organized by
Department of Computer Science & Engineering
KKR & KSR Institute of Technology and Sciences, Guntur, A.P
Accredited with 'A' Grade by NAAC
in association with
National Institute of Technology, Warangal
Under the Scheme of Electronics & ICT Academy
(Sponsored by Department of Electronics and Information Technology (DeitY), GOI)

STEERING COMMITTEE

Chief Patrons

Shri. Koye Subba Rao
Chairman

Shri. Koye Sekhar
Secretary

Patron

Dr. P.Babu
Principal

COORDINATORS

Dr. Rashmi Ranjan Rout
Department of CSE
National Institute of Technology
Warangal, Telgana, India.

Prof. Repudi Ramesh
Head, Department of CSE
KKR & KSR Institute of
Technology & Sciences
Vinjanampadu, Guntur, A.P,
India-522017

Dear Sir / Madam

Dept of CSE, KKR & KSR Institute of Technology & Sciences (KITs),

Vinjanampadu, Guntur, A.P. India and **E&ICT Academy, National Institute of Technology Warangal (NITW)** are pleased to invite you to attend our joint Faculty Development Programme (FDP) on "**Internet of Things and its Real Time Applications**" to be held on **25th to 31st March 2017, in KITs Campus**. This FDP offers a forum of the professional exchange of knowledge and skills related to Internet of Things and its Real Time Application areas. Participants (Teachers, Research Scholars, MCA Colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa states and Pondicherry, Andaman and Nicobar Islands UTs. They will have the opportunity to learn from the speakers of IIT's, NIT's and Research laboratories like DLRL, DRDO through presentations and hands on experience.

The contributions of these speakers enrich the programme through enhance the diversity of perspectives and contents. This associated academia value the opportunity to learn from and with our eminent personalities.

Brochure of this programme is attached. For more information you can visit:

<http://www.nitw.ac.in/eict/iotrtakits1.php>

If you have any questions or concern, please contact program coordinators.


Prof. R. Ramesh
Co-ordinator

APPLICATION FORM
A ONE WEEK NATIONAL LEVEL FACULTY DEVELOPMENT PROGRAMME
(FDP) ON INTERNET OF THINGS & ITS REAL TIME APPLICATIONS
 25th to 31st March 2017

1. Name:
2. Designation:
3. Institution:
4. Email:
5. DD No: Bank: Date:
6. Address for Correspondence:
7. Educational Qualification:
8. Subjects taught so far:
9. No. of refresher courses/workshops attended:
10. Experience (in years):
- Teaching: Research: Industry:
11. Accommodation required: YES/NO
12. Do you belong to SC/ST: YES/NO
(If yes, please attach a photo copy of caste certificate)

Declaration:

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Dr./Mr./Ms.
 is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on **"Internet of Things & its Real Time Applications"** sponsored by Electronics & ICT Academy during 25th - 31st March 2017 at KKR & KSR Institute of Technology & Sciences, Guntur.

Signature of Head of Institution
 (with seal)

Address for Correspondence

Post your application form along with DD to

Prof. R.Ramesh

Training Coordinator for FDP on
"Internet of Things and its Real Time Applications"
 HOD, Department of CSE, KKR & KSR Institute of Technology & Sciences,
 Vinjanampadu (Vil), Vatticherukuru(Md), Guntur, A.P - 522 017

E-mail the scanned copies of filled-in & duly signed application form along with DD to **repudiramesh@gmail.com**

For more details about Electronics & ICT Academy, NITW, please visit: <http://nitw.ac.in/eict>

For more enquiries please contact:

Mobile: 9493925553, 8978692777

E-mail: repudiramesh@gmail.com

Coordinators

Dr. Rashmi Ranjan Rout
 Department of CSE
National Institute of Technology
 WARANGAL - 506 004.

Prof. R.Ramesh
 Head Dept of CSE,
KKR & KSR Institute of Technology & Sciences
 GUNTUR, A.P -522 017.



www.kitsguntur.ac.in

KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES

Approved by AICTE, New Delhi | Affiliated to JNTUK, Kakinada
Accredited with 'A' Grade by NAAC

College: Vinjanampadu, Vatticherukuru Mandal, Guntur - 17
 City Office: D# 3-28-21/1, Main Road, Brindavan Garden, Guntur - 6
 Ph: 9951713366, 9908978444, 9441915837



Organized by

In association with



A ONE WEEK NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAMME (FDP) ON
INTERNET OF THINGS &
ITS REAL TIME APPLICATIONS

25th to 31st March 2017



Organized by
Department of Computer Science & Engineering
KKR & KSR Institute of Technology and Sciences, Guntur, A.P
Accredited with 'A' Grade by NAAC
 in association with
National Institute of Technology, Warangal
 Under the Scheme of Electronics & ICT Academy
 (Sponsored by Department of Electronics and Information Technology (DeITY), GOI)

A ONE WEEK NATIONAL LEVEL
FACULTY DEVELOPMENT PROGRAMME (FDP) ON
**INTERNET OF THINGS &
ITS REAL TIME APPLICATIONS**

25th to 31st March 2017

Organized by
Department of Computer Science & Engineering
KKR & KSR Institute of Technology and Sciences, Guntur, A.P
Accredited with 'A' Grade by NAAC

in association with
National Institute of Technology, Warangal
Under the Scheme of Electronics & ICT Academy
(Sponsored by Department of Electronics and Information Technology (DeiY), GOI)

Preamble:

"Electronics & ICT Academy" is being set up at NIT Warangal with financial assistance from DeiY, MCIT, Gol. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa States and Pondicherry and Andaman & Nicobar Islands UTs. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies training & consultancy services for Industry; Curriculum development for Industry CEP for working professionals Advice and support for technical incubation and entrepreneurial activities.

The aim of this programme is to introduce the participants to the amazing world of sensor networks and other IOT platforms. IOT is the idea of making devices (namely sensors, actuators and other objects) smarter by linking them to the internet. This FDP serves as a platform to train and educate the research scholars, faculty, and people from industry to interact on cutting-edge technologies in this emerging area.

Major Course Contents:

- Introduction to Sensors and IOT
- Design of sensor network protocols including MAC and routing protocols
- Sensor web and Cloud
- Energy efficient protocol design
- Communication protocols, interconnections, system design and development
- Service Discovery and device to device communication in IOT
- Data management and big data analytics in IOT.
- Security in IOT
- Research issues and case studies in IOT.

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IITs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver speech as part of the course.

Eligibility:

The programme is open to the teachers of engineering colleges, MCA colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa states and Pondicherry, Andaman and Nicobar Islands, UTs. Industry personnel working in the concerned allied discipline can also attend.

Organized at:

The Programme will be coordinated and conducted by Department of Computer Science and Engineering, KKR & KSR Institute of Technology & Sciences, Vinjanampadu (Vil), Vatticherukuru (Md), Guntur (Dt). The whole course is handled by academicians and industry experts.

Registration Fee Particulars:

Faculty members (Rs. 2000/- Only)

Faculty members from other states (Rs. 8500/- Only)

Faculty of SC/ ST category from mentioned states (Rs. 500 /- Only) & Industry participants (Rs. 6000/-Only)

The participants need to send a crossed demand draft (DD) drawn in favor of "Director, NIT Warangal" and payable at SBH, NIT Warangal branch.

Accommodation:

Accommodation will be provided to the selected outside participants on prior request. No TA/DA will be paid for the participants. Working Lunch, Tea & Snacks would be provided during the Training in the campus.

Venue: Seminar Hall & CSE Labs, KITS, Guntur

How to apply:

A filled-in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the host institute coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through email repudiramesh@gmail.com as selection will be intimated only through mail. Program duration is 6 (six) working days including Sunday **(28-03-2017 is a holiday on the occasion of Ugadi festival).**

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date (Application & DD):	20 th March 2017
Selection List by E-mail:	22 nd March 2017
Duration:	25 th - 31 st March 2017

(28-03-2017 is a holiday on the occasion of Ugadi festival)

About the Institutes:

National Institute of Technology (formerly Regional Engineering College), Warangal is an Institute of National Importance and fully funded by MHRD, Govt. of India. It offers various programmes B.Tech. In eight branches, PG and M.Tech. Programmes and also Ph.D. programmes.

About KITS:

KKR & KSR Institute Of Technology And Sciences (KITS) was established in the year 2008, by GSR & KKR EDUCATIONAL SOCIETY in Vinjanampadu village, Vatticherukuru Mandal of Guntur district. The Institute is **accredited with "A" Grade by NAAC**. Undergraduate programmes in Departments of Computer Science and Engineering (CSE), Electrical and Electronics Engineering (EEE), Electronics and Communications Engineering (ECE), Later programmes in MBA, M.Tech(CSE), M.Tech (VLSI), M.Tech(PE&D), M.Tech(DECs), Departments of Civil Engineering and Mechanical Engineering were inducted. Dr.PBabu is the Principal of KKR & KSR Institute of Technology & Sciences.

About Department of CSE:

The Department of Computer Science and Engineering (CSE) at KKR & KSR Institute of Technology & Sciences was started in the year 2008 and provides an outstanding academic & research environment complemented by excellent in teaching. The Department offers B.Tech, M.Tech degrees. The comprehensive curriculum on topics related to all aspects of Computer Hardware and Software with an emphasis on practical training which really help the students according to the current scenarios of the society. The department maintains a good association with industries and equips the students with latest developments in Computer Science and Engineering. The department has state-of-the-art infrastructure and computing equipment supported by high speed Ethernet and Wireless networks. Various student organizations & associations like INFOMAC, CSI Chapter, are active throughout the year.