



G.NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE
(For Women) (AUTONOMOUS)

Shaikpet, Hyderabad - 500104

Department of Electronics and Telematics Engineering

Faculty Development Program on "Recent and Emerging Trends in Wireless Communication:
4G and 5G Technologies"

Conducted from 6/09/2021 to 16/09/2021

S.No	Name of the document	Status
1.	Proposal by the Coordinator/Convenor to Principal along with budget, and permission for the venue.	Yes
2.	Invitation to the resource person	Yes
3.	Acceptance along with the bio-data	Yes
4.	Poster/brochure/Banner (Not photo)	Yes
5.	Programme schedule	Yes
6.	Circular	Yes
7.	Registration/Attendance of the participants	Yes
8.	Certificates (sample)	Yes
9.	All participants filled Feedback, analysis - action	Yes
10.	Resource person filled Feedback - plan of action	NA
11.	One page photos with atleast 6 with description as per the format	Yes
12.	Budget utilisation sheet	Yes
13.	Press note/Newspaper publication	NA
14.	Single page report as per the format	Yes

Workshop Coordinator
Dr. Raj Kumar L Birader,
Professor

PRINCIPAL

G. Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500104

HOD, ETE
Dr. K. RamaLinga Reddy,
Professor & HoD

G. Narayanamma Institute of Technology & Science (For Women)

Autonomous

Shaikpet, Hyderabad-500104

Electronics & Telematics Engineering Department

PROPOSAL

Date: 12/07/2021

To,

The Principal

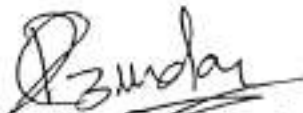
GNITS, Hyderabad


Subject: Proposal for conducting FDP on "Recent and Emerging Trends in Wireless Communication:4G and 5G Technologies".

Sir,

The Electronics & Telematics Engineering Dept., GNITS is planning to conduct FDP on "Recent and Emerging Trends in Wireless Communication:4G and 5G Technologies" in association with E & ICT, NIT, Warangal in the month of August/September, 2021 . This event will help our faculty members and other college faculty members to gain the knowledge in 4G and 5G technologies and to do research work in the area of wireless communications. Hence I request you to grant the permission to conduct the above mentioned FDP.

Thanking you Sir


Dr. Rajkumar L. Biradar
Professor, ETE, Dept
GNITS


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Permitted

12/7/21



ELECTRONICS & ICT ACADEMY
NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL - 506004, TELANGANA STATE - INDIA

**Guidelines to host an online FDP in association with
Electronics & ICT Academy, NIT Warangal**


1. Minimum number of Participants should be 50 and maximum of 100 participants are permitted.
2. Speakers and Lecture Schedule will be identified by the coordinator from NIT Warangal in consultation with coordinator from your college.
3. Academy will meet all the expenses of the speakers (accommodation, honorarium, food etc.)
4. There will be a registration fee of Rs. 750 per participant for faculty and Rs. 2250 per participant for industry participants for 40 hours FDP.
5. Research scholars are allowed for each FDP up to maximum of 5% of the strength.
6. FDPs will be conducted only 4 hours per day so that participants at host institute can attend their normal work other than this span of 4 hours. Hence total duration of 40 hours online FDP is 10 days and equivalent to one week FDP.
7. If you need any further details, Please contact us on oneict.nitw@gmail.com.
8. Budget and other details will be sent to you by email once your FDP is approved.

APPLICATION FORM


Name of the Institution	G. Narayanamma Institute of Technology & Science (For Women), Autonomous			
Address of the Institution	Shaikpet, Hyderabad-500104			
Name of the FDP	1.	Recent & Emerging Trends in Wireless Communication: 4G & 5G Technologies		
Preferable Dates to conduct the FDP	1.	23/08/2021		
	2.	16/08/2021		
	3.	06/09/2021		
Do you accept for all the guidelines given above	Yes			
Coordinator Name	Dr. Rajkumar L. Biradar			
Designation	Professor			
Department	Electronics & Telematics Engineering			
Email Id	rajkumar_lb@yahoo.com			
Ph. No	Landline	040-29567756	Mobile	9966672730
		Extn:454		

Place: GNITS, Hyderabad

Date: 14/07/2021


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Signature of Principal / Head of Institution
PRINCIPAL (With seal)

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G. NARAYANAMMA INSTITUTE OF TECHNOLOGY & SCIENCE (AUTONOMOUS) (For Women)

(Sponsored by G. Pulla Reddy Charities Trust, Hyderabad)
Accredited by NBA & NAAC, Approved by AICTE & Affiliated to JNTUH

Invita

Invitation

Date: 01/09/2021

To,

Mr. Kishore Siddani, Dr. Praful P. Pai & Team


MathWorks India

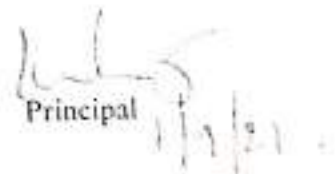
Dear Sir,

We are pleased to invite you and your team as resource persons for online FDP on "Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies" This online FDP is being organized by Electronics & Telematics Engineering Dept., GNITS is organizing in association with E & ICT, NIT, Warangal in from 6/09/2021 to 16/09/2021. This FDP will help faculty to gain the knowledge in 4G & 5G technologies and carry out their research work in wireless communications.

We hope your benign presence and support for this exclusive online FDP and standard remuneration will be provided.


FDP Coordinator


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Principal

On Wednesday, 1 September, 2021, 12:17:35 pm IST, Mr rajkumar biradar <rajkumar_lb@yahoo.com> wrote:

Hi Kishore & Team


Just we had conversation with you Kishore,

The online FDP on "**Recent & Emerging Trends in Wireless Communication: 4G & 5G Technologies**" will start from 6 th september, in association with E& ICT NIT Warangal.

Under this FDP, we want to have hands on experience for 4 hours using MATLAB, on following topics

- Simulation of 4g/LTE
 - Overview of 5G and WLAN 802.11 Standards
 - Modeling Physical and MAC layer of 5G & LTE
 - Link and System level modeling of WLAN- 802.11 standards
 - Coexistence and interference – BLE and Wi-Fi/5G
 - Hands-On - 5G Waveform Generation
- plus topics related to 4g and 5g etc.

Your immediate response will be highly appreciated in this regard. As i had conversation with Kishore, I request you to acknowledge same by 3 pm today.


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With Regards

Dr.Rajkumar L. Biradar

Professor & M.Tech.(WMC) Coordinator

ETM Dept. GNITS

Shaikpet,Hyderabad-500008

Mob-9966672730


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Accept

From: Praful Pai <ppai@mathworks.com>
To: Mr rajkumar biradar <rajkumar_lb@yahoo.com>; Avik Neogi <aneogi@mathworks.com>; Kishore Siddani <ksiddani@mathworks.com>
Cc: Omprakash K <omprakash.k@capricot.com>; Naresh C <nareshbabu.c@capricot.com>; Srinivasa Chary. A <srinivasachary.a@capricot.com>; Ramana Anchuri <ranchuri@mathworks.com>; Anand Mukhopadhyay <amukhopa@mathworks.com>; Prem Kumar Jenukuti <premkumar.j@capricot.com>; Uvaraj Natarajan <unataraj@mathworks.com>; Vidya Viswanathan <vidyav@mathworks.com>; Prasanna Deshpande <pdeshpan@mathworks.com>; Devarpita Sinha <dsinha@mathworks.com>
Sent: Thursday, 2 September, 2021, 04:06:54 pm IST
Subject: RE: MATLAB Session on 4G & 5G for FDP

Dear Prof. Rajkumar,

Thanks for reaching out in this regard. As outlined by Kishore, we can go ahead with the following as titles for the talk on 14 and 15 Sept.

Slot	Title	Type	Duration
14 Sept	Modeling Communication Systems with MATLAB & Simulink	Presentation w/ Hands-on exercises	2 hrs
15 Sept	Design and Simulate Complex Wireless Systems with MATLAB & Simulink	Presentation w/ Hands-on exercises	2 hrs

Please let us know if you need any additional information from our side in this regard.

Thanks and Regards,

Praful

Praful P. Pai, PhD


MathWorks India

E-Mail: ppai@mathworks.com

Mobile: +91-8001060407

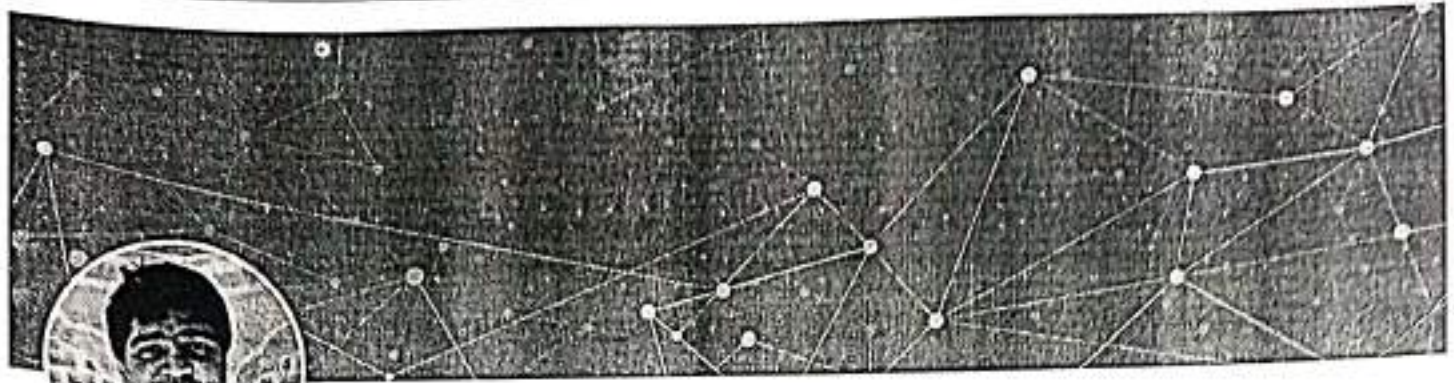
Phone: +91-80-66326146

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Praful P. Pai



Praful P. Pai

Enabling Teaching and Accelerating Research with MathWorks MATLAB & Simulink.

New Delhi, Delhi, India · 500+ connections

Join to Connect

MathWorks

Indian Institute of Technology,
Kharagpur

About

I work at MathWorks towards accelerating research and making STEM education and teaching engaging using MathWorks MATLAB & Simulink. Biomedical Engineer with an interest in instrumentation, signal/image processing, statistics, and machine/deep learning.

Activity

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 Praful P. Pai 

Learn all about #MATLAB 's end-to-end workflow from development to deployment for AI applications, in this master class+ hands-on workshop hosted by...

Liked by Praful P. Pai



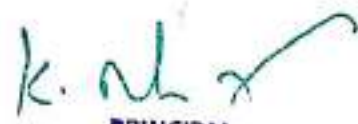
Controls + Multibody! Check out the repository! Fun examples to learn and explore. :)

Liked by Praful P. Pai

Explore peaks, peak filtering, and gray-scale weighted centroids in MATLAB
<http://spr.ly/6040Jj3nw>

Liked by Praful P. Pai

Join now to see all activity


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Praful P. Pai

**Education Customer Success / Education Technical Evangelist**

MathWorks

Oct 2019 - Present · 2 years 2 months

Bangalore, India

National Brain Research Centre

1 year 9 months

Research Scientist

Aug 2019 - Oct 2019 · 3 months

Gurgaon, India

Research & Development Engineer

Feb 2018 - Aug 2019 · 1 year 7 months

Gurgaon, India

My primary responsibility involves the creation of a population specific structural MRI templates for the Indian population. This involves creation of a normative MRI data set using the in-house scanner present at NBRC. The image data from different subjects is processed and registered to each other, following which it is averaged to obtain a template of the entire population.

Indian Institute of Technology, Kharagpur

7 years 9 months

Ph.D. Student

Jul 2013 - Jan 2018 · 4 years 7 months

Kharagpur Area, India

My thesis is on non-invasive glucose measurement using photoacoustic spectroscopy. In this regard, I constructed a measurement apparatus for obtaining dual-wavelength photoacoustic measurements. I acquired photoacoustic measurements from aqueous glucose solutions, solutions of glucose and hemoglobin, and whole blood samples using the developed apparatus and observed signal trends with glucose concentration

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Praful P. Pai

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Junior Project Assistant

May 2010 - Jul 2013 · 3 years 3 months

Kharagpur, West Bengal, India

Research Project:

Development of a Non-Invasive Blood Glucose Measurement System

Aim:

The project aimed at development of a non-invasive method of measuring blood glucose using photoacoustic spectroscopy, which would help improve compliance by enabling continuous monitoring of blood glucose in a painless, sample-free and accurate manner.

Responsibilities:

As part of the project, I was involved in exploring the application of an analytical technique called Photoacoustic...

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Junior Research Fellow

Department of Electrical Engineering, Indian Institute of Technology, Roorkee

Nov 2009 - Apr 2010 · 6 months

Roorkee, Uttarakhand, India

Research Project:

Virtual Labs for Biomedical Engineering

Project Description:

The Virtual Labs are remote 'on the web' labs by the Indian Institutes of Technology (IITs) aimed to serve as an aid for the growing learners for engineering courses.

Post & Responsibilities

I was responsible for the development of Biomedical Virtual Labs on National Instruments LabVIEW performing real-time ECG, EEG, and EMG Analysis and in developing supporting materials for helping students...

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Praful P. Pai



Indian Institute of Technology, Kharagpur

Doctor of Philosophy (Ph.D.) - Biomedical Devices and Instrumentation

2013 - 2016

Activities and Societies: IEEE Student Branch

Indian Institute of Technology, Kharagpur

M. S. by Research - Visual Information Processing and Embedded Systems

2010 - 2013

Activities and Societies: IEEE Student Branch

Manipal Institute of Technology

B.E. - Biomedical Engineering

2005 - 2009

Activities and Societies: BMESI Manipal Chapter, IEEE Manipal Chapter

Publications

BRAHMA: Population specific T1, T2, and FLAIR weighted brain templates and their impact in structural and functional imaging studies

Magnetic Resonance Imaging - January 7, 2020

Differences in brain morphology across population groups necessitate creation of population-specific Magnetic Resonance Imaging (MRI) brain templates for interpretation of neuroimaging data. Variations in the neuroanatomy in a genetically heterogeneous population make the development of a population-specific brain template for the Indian subcontinent imperative. A dataset of high-resolution 3D T1, T2, and FLAIR images acquired from a group of 113 volunteers (M/F - 56/57, mean age...

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Other authors

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Pratul P. Pai



Accuracy Enhancement for Non-Invasive Glucose Estimation using Dual-Wavelength Photoacoustic Measurements and Kernel-based Calibration

IEEE Transactions on Instrumentation and Measurement · November 2, 2017

Frequent monitoring of blood glucose levels is an essential part of diabetes care, but the invasiveness of current devices deters regular measurement. Non-invasive measurement techniques are painless to implement and rely on changes in sample properties to estimate glucose concentration. However, such methods are affected by the presence of different biomolecules, resulting in an increased estimation error and necessitating calibration to obtain accurate glucose concentration estimates. The use...

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Other authors

See publication

Cloud Computing based Non-Invasive Glucose Monitoring for Diabetic Care

IEEE Transactions on Circuits and Systems - I: Regular Papers · August 14, 2017

Near infrared photoacoustic spectroscopy is utilized for the development of a continuous non-invasive glucose monitoring system for diabetics. A portable embedded system for taking photoacoustic measurements on tissues to estimate glucose concentration is implemented using field programmable gate array (FPGA). The back-end architecture for high-speed data acquisition and de-noising of photoacoustic measurements operates at 274.823 MHz on a Xilinx Virtex-II Pro FPGA. The glucose measurement...

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SignalHire

Bala Naga Kishore Siddani's email & phone

Current Position:
Application Engineer at MathWorks

Location:
Hyderabad, Telangana, India

Experience: 7 years

Get email address:
bxxxxxxxa@mathworks.com

Phone number:
+91-xxx-xxx-2899

Last updated: 2020-09-20

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Analytics

According to LinkedIn, Bala Naga Kishore Siddani started working in 2014, then the employer changed 2 companies. On average, Bala Naga Kishore Siddani works for one company for 1 year 9 months. Bala Naga Kishore Siddani has been working as a Application Engineer for MathWorks for 579 days. If you are interested in this candidate,

SH

Hello, we have noticed you are here for the 1st time. If you have any questions concerning SignalHire, do not hesitate to get in touch.

[Let's chat](#)

Chat



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Shaikhet, Madhura, Telangana

SignalHire

10/25/21, 11:12 AM

Work Experience

Application Engineer at MathWorks
(Natick, MA, United States)
Apr 2020 - Current

Senior Software Engineer at
Phywest Technologies India
(Bengaluru, Karnataka, India)
Jan 2019 - Jan 2020

Software Engineer at Phywest
Technologies India (Bengaluru,
Karnataka, India)
Aug 2016 - Dec 2017

Engineer at Lumen Group
(Hyderabad, Telangana, India)
Aug 2014 - Jul 2015

Education

Bachelor of Technology (B. Tech) at
Jawaharlal Nehru Technological
University, Kakinada

Intermediate at Sri Chaitanya
Junior college, vijayawada

Bachelor's Degree, Electronics and
Communications Engineering,
Excellent, Bachelor's Degree

Electronics and Comm
Engineering, Excellent
Jawaharlal Nehru Tec
University, Kakinada

Current
Company
Information
MathWorks

Name: MathWorks

Industry: Software Dev

Location: Natick, MA

Employees: 5000-10000

1/21

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here for the 1st time. If you
have any questions concerning
SignalHire, or our service, let
us get in touch.

Let's chat

Chat

k.al ✓
Principal
G. Narayanan's Institute of
Technology & Learning, the ultimate
learning experience
Kakinada, Andhra Pradesh

Poster/Broc



FACULTY DEVELOPMENT PROGRAMME (FDP) ON Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies



16th - 16th September, 2021
(Virtual Mode)

Organized by
E & ICT Academy, NIT Warangal
in Association With

G. Narayanamma Institute of Technology and Science (for Women), Autonomous, Hyderabad
(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programs 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.

About the FDP:

The fifth generation (5G) wireless connectivity is expected to offer high speed, enriched capacity, lower latency, ultra-high reliability and the ability to connect massive number of connections, namely, Internet of Things (IoT), Machine to Machine (M2M) and Device to Device (D2D) devices. In addition to offering faster speeds and other consumer benefits, 5G is seen as crucial to advanced technologies like vehicle type applications, IoT and virtual reality and augmented reality that demand high speed and bandwidth. In addition, the industry has made plans for next generation of technology, sixth generation (6G) at frequencies from 100 GHz to 1 THz and offer speeds up to 100 Gbps with very low latency. According to the researchers, 5G/6G devices will be able to handle hundreds or even thousands of simultaneous connections that should offer more capacity with lower power requirements.

Major Course Content:

- Evolution of Cellular Communication Standards 1G – 5G
- Diversity and Combining Techniques and Performance Trade-off
- Channel Models for Wireless Communication
- 5G/6G Wireless Communication Systems and Research Challenges
- 5G: Challenges and Enabling Technologies
- Device-to-Device (D2D) communications
- Codes for 5G Wireless
- Transmission and Design Techniques for 5G
- Spectrum Sensing and Cognitive Radio
- Resource Allocation for Wireless Communications
- Software Defined Networks
- MIMO & 5G
- Realization of microwave and millimetre-wave Devices for 5G wireless Communications
- Machine Learning Application

Faculty conducting this programme:

The programme will be conducted by the faculty member from NIT Warangal. Academicians from IITs are invited to deliver lectures in the programme. Experts from Industries will also be invited to deliver lectures in this workshop.

Eligibility:

The program is open to the Faculty of Engineering Colleges and other allied disciplines in India. Industry personnel working in the concerned discipline can also attend.

Registration Fee Particulars:

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-

Participants need to pay the Registration Fee Online using the following details.

Online Transfer Details
Account Name: Electronics & ICT Academy NITW
Account No: 62423775910
IFSC: SBIN0020149

Add payment reference as: FDPWRC5G

How to apply:

Participants are required to fill the online registration form by clicking on the following link:
<https://forms.gle/YLy3veHHzput79Nu5>

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 60 (sixty). 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 satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date for submission of Application	01/09/2021
Selection List by E- mail	02/09/2021
Duration	06/09/2021 to 16/09/2021

About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 IITs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About GNITS:

G. Narayanamma Institute of Technology & Science (for Women), Hyderabad, inaugurated by the Hon'ble Minister for Women Development, Mrs. Smt. P. Padma Reddy, Govt. of India, with the objective of providing an excellent learning facility for women to pursue education in engineering. The Institute aims to promote Technical Education among Women in rural and backward areas by providing of quality education and training in the technical fields of Science & Technology. GNITS received UGC recognition status on 10/06/2010 from UGC and is affiliated to NITW, Hyderabad. It is approved by AICTE, Government of India & NVA, Andhra Pradesh. It is a constituent of NITW, Hyderabad. For more details visit www.gnits.ac.in

K. N. S.
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FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
Recent and Emerging Trends in Wireless Communication:
4G and 5G Technologies



(6th - 16th September, 2021)
 (Virtual Mode)

Organized by
E & ICT Academy, NIT Warangal
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 (Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

SPONSORSHIP CERTIFICATE

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

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "Recent Trends in Wireless Communication Technologies", sponsored by Electronics & ICT Academy during 6th -16th September 2021 at NIT Warangal.

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. Do you belong to SC/ST : YES /NO

Interested faculty members, please fill the following

Google form:

<https://forms.gle/YTy3veHHzput79Vu5>

For more details about Electronics & ICT academy, NIT, Warangal, please visit: <https://nitw.ac.in/eict>

For more enquiries please contact:

1. Dr. Rajkumar L. Biradar - 9966672730
2. Mr. G. Krishna Reddy - 9885585706
3. Dr. M. Vijayalakshmi - 9848948120

Coordinators:

1. Dr. Rajkumar L. Biradar,
 Dept. of ETM, GNITS
 N. A. P. O. Hyderabad
 Email: rajkumar_lb@gnits.ac.in
 Mobile: +91 9966672730

2. Ravi Kishore, K
 Dept. of ECE,
 National Institute of Technology
 Warangal - 506004
 Telangana, India
 Email: kishore@nitw.ac.in
 Mobile: +91 8985230362

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

**RECENT AND EMERGING TRENDS IN WIRELESS COMMUNICATION:
4G and 5G TECHNOLOGIES**
(6th September-16th September, 2021)
Programme schedule

Day	Date	11 a.m to 1 p.m	2 p.m to 4 p.m
		Topics	Topics
Monday	6/9/2021	OFDM-1/5G Architecture	A bird's eye view on statistical estimation theory for wireless communication systems
Tuesday	7/9/2021	Enabling Technologies for 5G	5G/6G wireless systems and a few research challenges
Wednesday	8/9/2021	5G	Diversity and combining Techniques- Performance Tradeoff
Thursday	9/9/2021	MAC layer	Machine Learning-1
Friday	10/9/2021	Holiday	Holiday
Saturday	11/9/2021	Throughput prediction in next generation cellular networks using ML	Throughput prediction in next generation cellular networks using ML
Sunday	12/9/2021	Machine Learning-2	Machine Learning-3
Monday	13/9/2021	mm wave front-end and component design	OFDM-2
Tuesday	14/9/2021	Modeling Communication Systems with MATLAB & Simulink	Software Defined Networks
Wednesday	15/9/2021	Design and Simulate Complex Wireless Systems with MATLAB & Simulink	Massive MIMO and Algorithms
Thursday	16/9/2021	Massive MIMO for 5G	Massive MIMO and Algorithms

List of resource persons scheduled

1.	Prof. Raghunadh MV	NITW	7.	Prof. Basabhatta Palith	IIST, Shibpur
2.	Prof. Pradhan HS	NITW	8.	Prof. Arun Kumar G	NITW
3.	Prof. Sameer	NIT, Calicut	9.	Prof. Praful P. Pai and team	Mathworks
4.	Prof. Preetham Kumar	IIT, Patna	10.	Prof. Manoj BS	IIST, Thiruvananthapuram
5.	Rajarshi Mahapatra	IIIT, Naya Raipur	11.	Prof. Vimal Bhatia	IIT Indore
6.	Prof. Ravi K Kodali	NITW			


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Dear All,

- The Platform used to conduct this online FDP is CISCO WEBEX
- Please use the Session Link provided below to join the session every day.
FDP Name: Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies
Date: 6th – 16th September, 2021

Morning Session Time: 11:00 AM – 1:00 PM Afternoon Session Time: 2:00 PM – 4:00 PM
Meeting Information

Meeting link: <https://nitw.arangal.webex.com/join?MTID=m49855b2d6d99da1b69-bd879789a7799>

Password: rew_e_2021

- Same Link and password are to be used for all the days.



PRINCIPAL

G. Narayana Prasad, Institute of
Engineering & Science, for Women
(Autonomous)
Sankarpet, Hyderabad - 500 104.

Circular

G. Narayanamma Institute of Technology & Science (For Women)
Autonomous
Shaikpet, Hyderabad-500104

Electronics & Telematics Engineering Department

CIRCULAR

Date: 20/08/2021

The Electronics & Telematics Engineering Dept., GNITS is organizing online FDP on "Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies" in association with E & ICT, NIT, Warangal in from 6/09/2021 to 16/09/2021. The resource person for this FDP will be from NIT's & IIT's & reputed institutions. This FDP will help faculty to gain the knowledge in 4G & 5G technologies and carry out their research work in wireless communications. Hence interested faculty members and 10 % M. Tech students of ETE, ECE, CSE & IT department our college and others college can participate in this FDP by doing the online registration.

The last date for registration is 1/9/2021 with registration fee of Rs. 750. Selection will be done based on first come first serve basis to a maximum number of 60. Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a participant is not selected, the registration fee will paid back. Participants will be issued satisfactory certificates on successful completion of the course.

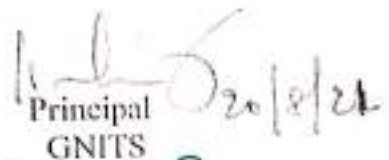
Registration link: <https://forms.gle/YTy3xeH1zput79Nu5>

Duration: 0 6/09/2021 to 16/09/2021:

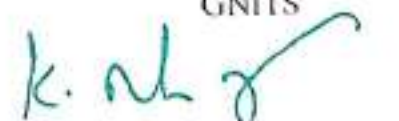
Timings: 11.00 am to 1.00 pm (FN) and 2.00 pm to 4.00 pm (AN)



Dr. Rajkumar L. Biradar
Professor, ETE, Dept
Coordinator, FDP
GNITS



Principal
GNITS



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(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

Registration list of online FDP on "Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies"

Timestamp Name of the E-mail ID Name of the Designation Department Address of Upload the Payment D Screenshot Contact Number (Whatsapp Number)

2021/08/1	MALLIKARJUN MALLIKARJUN	B.L.D.E.A's Asst. Prof	ECE	B.L.D.E.A's	https://driv T21081316	9.01E+09
2021/08/1	T Y Mellige	B.L.D.E.A's Asst. Prof	ECE	B.L.D.E.A's	https://driv T21081316	9.74E+09
2021/08/1	Dr.V HINDI hindumath	BVRIIT HYD	Assoc. Prof	ECE	Bachupally	9.87E+09
2021/08/1	GOVINDUL nagendrag	VIDYA JYOTI	Assoc. Prof	ECE	Aziz nagar	9.99E+09
2021/08/1	V. SRIDHAF sridhar@vj	VIDYA JYOTI	Asst. Prof	ECE	Aziz nagar	7.7E+09
2021/08/1	Dr.M.V.R.V vittalmvr.e	G.Pulla Rec	Assoc. Prof	ECE	G.Pulla Rec	9.11E+09
2021/08/1	L. Lakshmi prasanna	G.PULLARE	Asst. Prof	ECE	ECE DEPAR	9.62E+09
2021/08/1	Dr.S L PRAI slipreddy@	KSRM COLLE	Assoc. Prof	ECE	YERAMAS	9.7E+09
2021/08/1	Dr. G. Hem latha.g@ks	KSRM Colle	Professor	ECE	Kadapa, AP	9.44E+09
2021/08/1	Sreedhar R. sreedhar.k	SR Universi	Asst. Prof	ECE	Warangal	9.91E+09
2021/08/2	Dr.G.RAVI : ravigosula_	CVR COLLE	Professor	ECE	HYDERABA	9.44E+09
2021/08/2	Manjunath mhrudagi@	Tatyasaheb	Asst. Prof	ECE	GNITS,Shai	9.01E+09
2021/08/2	Balaji Babu somwansh	Tatyasaheb	Asst. Prof	ECE	TKIET, War	7.08E+09
2021/08/2	Mali Abhijit asmail@tki	Tatyasaheb	Asst. Prof	ECE	Tatyasaheb	8.98E+09
2021/08/2	Subhash S/ ss_patil@tki	Tatyasaheb	Assoc. Prof	ECE	TKIET, War	8.31E+09
2021/08/2	C. P. Shindi hodetc@tk	Tatyasaheb	Assoc. Prof	Electronics	TKIET, War	7.08E+09
2021/08/2	Dr.A.BHAR. bharathig8	OUCCE, OSM	Asst. Prof	ECE	OU, HYDER	8.18E+09
2021/08/2	Prof.(Dr).D dbvjaganni	GAYATRI V	Professor	ECE	KOMMADI	9.44E+09
2021/08/2	R.s.kavitha kavithakav.	Gates institi	Assoc. Prof	ECE	Gates institi	8.07E+09
2021/08/2	G. RAJENDE rajenderg2	CMR Institi	Assoc. Prof	ECE	CMR IT, Hy	9.96E+09
2021/08/2	Girija Vani vanigirijag@	Rao Bahadi	Asst. Prof	ECE	Cantonmei	9.19E+11
2021/08/2	Anitha A Animanjun rao	bandit Asst.	Prof	ECE	Rymec Ball	9.98E+09
2021/08/2	PRASHANT Keniprasaha	Rao Bahadi	Asst. Prof	ECE	Dept of E &	9.98E+09
2021/08/2	K. Pranathi kpranathi2	G.narayana	Research S	ETE	8-1-293/85	7.89E+09
2021/08/2	Phanindra phanindrar	Rao Bahadi	Asst. Prof	ECE	Cantonmei	9.24E+09
2021/08/2	M. Achala achalaukd@	G.narayana	Research S	ETE	H.No: 3-99	9.57E+09
2021/08/2	Dr. MUDDA nare-shimuc	MATRUSRI	Asst. Prof	ECE	Cantonmei	9.45E+09
2021/08/2	Dr. Jayalaxi drjayagona	V P Dr P G	Assoc. Prof	ECE	16-1-486, 5	9.95E+09
2021/08/2	Shribala Na nagulshri	Matrusri Et	Assoc. Prof	ECE	Vijayapur	9.8800 61474
					Matrusri Et	9.55E+09



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Registration

2021/08/2: M.L.NARAS narasimhai	ACE ENGG Assoc.	Prof ECE	Ghatkesar	https://drh T21082514 https://drh 9.29E+09
2021/08/2: Kunda Prav kundaprawi	Matrusri EI Asst.	Profe: ECE	Matrusri Er	https://drh INB Refere: https://drh 9.53E+09
2021/08/2: J.Nageswar om.jnrao@	ACE Engine Assoc.	Prof ECE	Ghatkesar,	https://drh 1.24E+11 https://drh 98490 42722
2021/08/2: Dr G Srivall srivalligunc	G Narayani Assoc.	Prof ETE	Dept of ETI	https://drh T2108261C https://drh 9.44E+09
2021/08/2: SODUM RA RADHA911	VIDYA JY01 Asst.	Profe: ECE	HYDERABA	https://drh REF NO:12: https://drh 9.97E+09
2021/08/2: LAKSHMI U lakshmiloki	VIDYA JY01 Asst.	Profe: ECE	HYDERABA	https://drh REF NO:12: https://drh 9.97E+09
2021/08/2: K. Sridevi kandulasric	G Narayani Asst.	Profe: IT	GNITS, Sha	https://drh SBILT2608: https://drh 9.87E+09
2021/08/2: SRIDEVI Mj sridevi.maj	G NARAYAI Asst.	Profe: IT	HYDERABA	https://drh 123613987 https://drh 9.03E+09
2021/08/2: Pathem Lal plavanyab@	G NARAYAI Asst.	Profe: ECE	GNITS, HYC	https://drh UPI 123914 https://drh 9.85E+09
2021/08/2: E u Kiran k.ieu_kiran@	Ace engine Assoc.	Prof ECE	Ghatkesar,	https://drh T21082809 https://drh 7.7E+09
2021/08/2: Kotla Sarac saradakotli	G. Narayan Asst.	Profe: ETE	Shaikpet, H	https://drh 018985795 https://drh 9.35E+09
2021/08/2: Sunitha Taj sunitha.taj	G.Narayani Asst.	Profe: ETE	Shaikpet, G	https://drh IT00HCAZP https://drh 9.96E+09
2021/08/2: Dr.Maddali vijayap03@	G.Narayani Asst.	Profe: ETE	Shaikpet	https://drh SBI,Raidarg https://drh 9.85E+09
2021/08/2: G.Krishna F gkr999gkr@	G.Narayani Assoc.	Prof ETE	shaikpet,H	https://drh IT00HCAYP https://drh 9.89E+09
2021/08/2: M.Jyothsni mjyothsna@	G.Narayani Asst.	Profe: ETE	G.Narayani	https://drh SBILT2808: https://drh 9.25E+09
2021/08/2: Vulugundai anitha.vulu	G.Narayani Asst.	Profe: ETE	Shaikpet, H	https://drh SBILT2808: https://drh 9.58E+09
2021/08/2: M.Bhavana bhavana.m	G Narayani Asst.	Profe: ECE	Shaikpet,H	https://drh INB Refere: https://drh 9.01E+09
2021/08/2: Ms. Giligett swetha47g	G.Narayani Asst.	Profe: ETE	GNITS, Sha	https://drh UPI Transla https://drh 9.55E+09
2021/09/0: Dr VSSN Sri vssnsbaba@	ACE Engine Professor	ECE	ACE Engine	https://drh T21830105 https://drh 7.89E+09
2021/09/0: Dr.K.Rama kattareddy	G.Narayani Professor & ETE	ECE	Shaikpet, H	https://drh T2109011C https://drh 9.39E+09
2021/09/0: Dr. A. NAVI naveenaan	G.NARAYAI Asst.	Profe: ETE	GNITS, SHA	https://drh IHP349165 https://drh 9.87E+09
2021/09/0: Dr.K.USHA usha_ee@	M.V.S.R.En Professor	ECE	Nadargul, h	https://drh T2109041C https://drh 9.2E+11
2021/09/0: S.Pradeep lpradeepku@	VJIT Assoc.	Prof ECE	VJIT, Himay	https://drh IHP369799 https://drh 9.44E+09
2021/09/0: Dr. C. Padm c.padmaja@	G Narayani Asst.	Profe: ECE	GNITS, Sha	https://drh IHP323702 https://drh 9.5E+09



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ELECTRONICS & ICT ACADEMY
NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL, (T.S.), INDIA



and
 G. Narayanamma Institute of Technology and Science (for Women), Shaikpet, Hyderabad

Participation Certificate


This is to certify that KUNDA PRAVEEN, Assistant Professor
 from MATRUSRI ENGINEERING COLLEGE, SAIDABAD, HYDERABAD
 has participated in a 40-hour Online Faculty Development Programme on "Recent and Emerging Trends
 in Wireless Communication: 4G and 5G Technologies" Sponsored by Ministry of Electronics
 and Information Technology (MeitY) GoI, organised by E&ICT Academy, NIT Warangal and G. Narayanamma Institute
 of Technology and Science (for Women), Shaikpet, Hyderabad during 6th to 16th September, 2021.

She / He has successfully completed all the requirements for the completion of the programme.



 Dr. Rajkumar C. Birradar
 Coordinator
 GNITS, Hyderabad


 Srijal Ravi Kishore
 Coordinator
 NIT, Warangal


 Dr. K. Ramesh Reddy
 Principal
 GNITS, Hyderabad


 Prof. R. B. V. Subramaanyam
 Chief Investigator
 ESCT Academy, NIT Warangal


 Prof. M. V. Ramana Rao
 Director
 NIT, Warangal


 K. N. J.
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G. Narayanamma Institute of Technology & Science (For Women)

Autonomous, Shaikpet, Hyderabad-500104

Electronics & Telematics Engineering Department

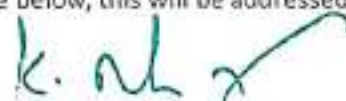
Feedback Analysis on "Recent and Emerging Trends in Wireless Communication:

4G and 5G Technologies" Online FDP held from 06/09/21 to 16/09/21

For the online FDP on "Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies" held from 06/09/21 to 16/09/21, 55 participants attended, out of which 48 participants gave feedback, which is analyzed in the following table

Sl. No	Questions			
1	Was the subject matter of the programme of any direct relevance to your present or future teaching work	Yes→95.8%	May be→4.2%	No→0%
2	Methodology (of teaching) and its effectiveness			
	Lecture Session	High→86%	Moderate→14%	Poor→0%
	Use of Slides	High→80%	Moderate→20%	Poor→0%
3	General			
	Planning & Course Preparation	Good→90%	Satisfactory→10%	Poor→0%
	Sequencing of Presentation	Good→94%	Satisfactory→6%	Poor→0%
4	Lecture Session	Good→96%	Satisfactory→4%	Poor→0%
5	Learning Resources used/provided			
	Appropriateness	Good→90%	Satisfactory→10%	Poor→0%
	Variety	Good→82%	Satisfactory→18%	Poor→0%
	Effective utilization	Good→88%	Satisfactory→12%	Poor→0%
	Quality	Good→98%	Satisfactory→2%	Poor→0%
6	Please rate the following			
	Assignment(s)/Test(s)/Quiz(s)	Excellent→53%	Very Good→23%	Good→16% Poor→8%
	The program overall	Excellent→67%	Very Good→20%	Good→8% Poor→5%

Actions: As it is online program, the assignment and overall rating is little below, this will be addressed by conducting the FDP in offline mode.



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11/14/21, 2:27 PM

Recent & Emerging Trends in Wireless Communication: 4G & 5G Technologies - Online Mode - Google



Recent & Emerging Trends in Wireless Communication: 4G & 5G Technologies - Online

Questions Responses 48 Settings

48 responses



Accepting responses

Summary

Question

Individual

Who has responded?

Email

vanigirijag@gmail.com

dbvjagan@gmail.com

nareshmuddamalla@matrusri.edu.in

mrhudagi@tkietwarana.ac.in

kavithakavana2@gmail.com

prasanna.ece@gprec.ac.in

nagushribafa@matrusri.edu.in

saradakotla82@gmail.com

...

Your Details

PRINCIPAL
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(Autonomous)
Shaikpet, Hyderabad - 500 104

Name

IR responses

Dr. Jyoti K. S.

Prof. (Dr.) D.P. Jaisankar

Dr. Anujamala Kamesh

Manjunath

R. S. Sathya

S. Lakshmi Prasanna Kumar

Shruthi Nagesh

Karla Sarada

Dr. S. Siva



RECEIVED

Dr. Manjunath
Department of Computer Science
JSS Institute of Technology
JSS Academy of Higher Education
JSS KSRM Campus
JSS KSRM, Mysore - 577 329

Mobile Number

48 responses

9481718384

9440329683

9949224090

7083042017

8074914961

9618762804

9553618541

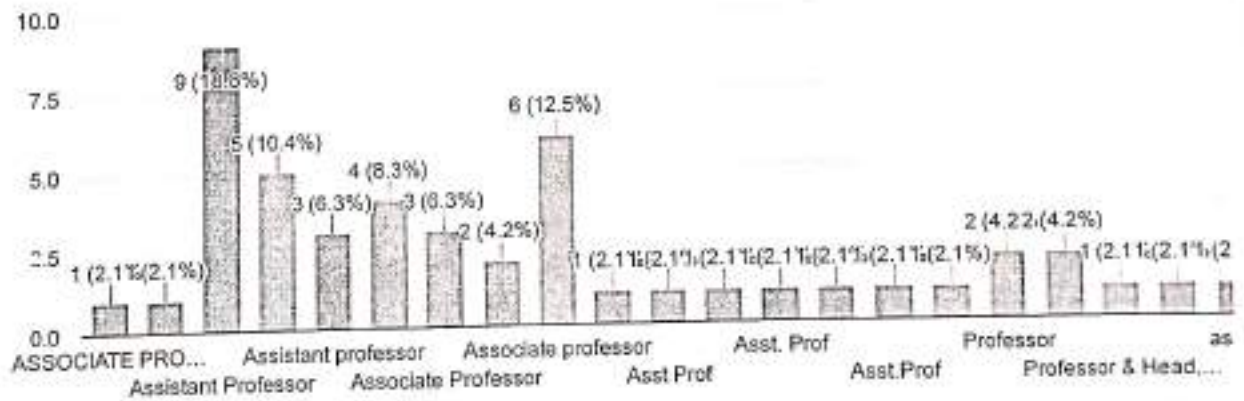
9346469188

9989434423



Designation

48 responses

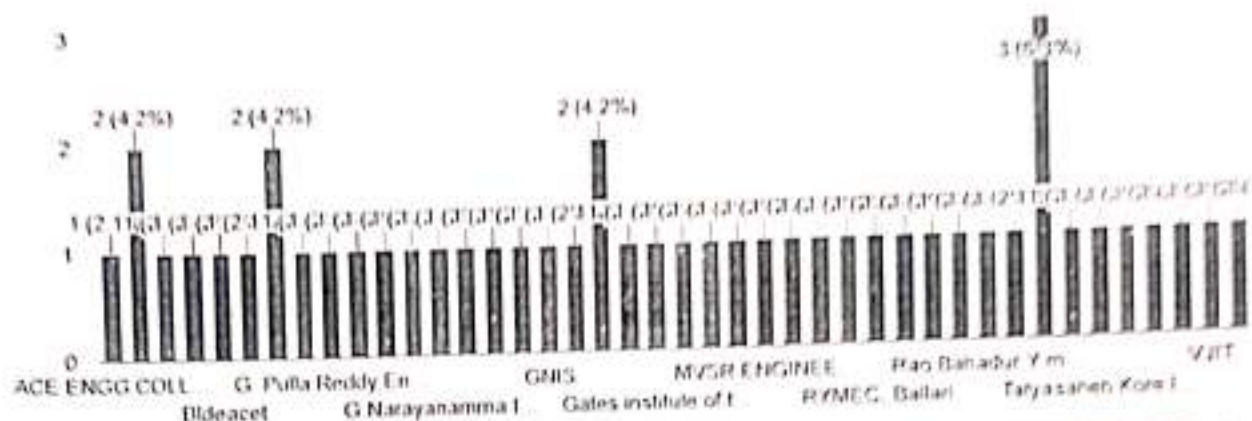


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College Name

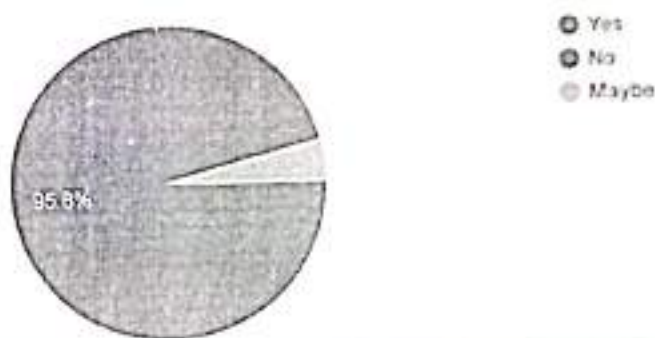
48 responses



About the Workshop

Was the subject matter of the programme of any direct relevance to your present or future teaching work

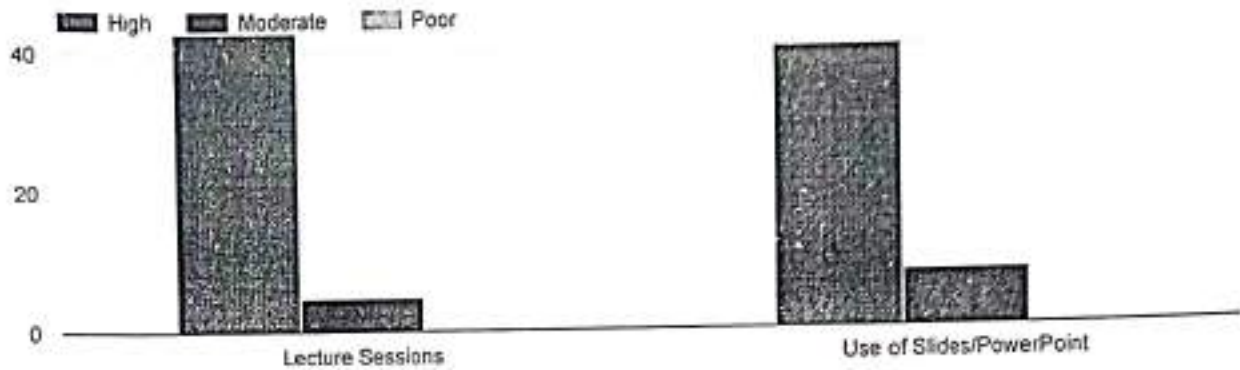
48 responses



Methodology and Learning Resources used

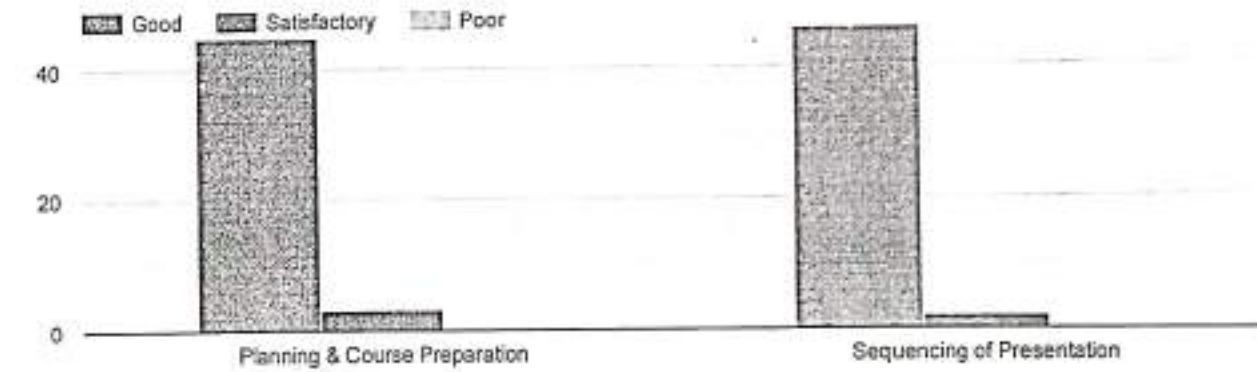
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Methodology (of teaching) and its effectiveness



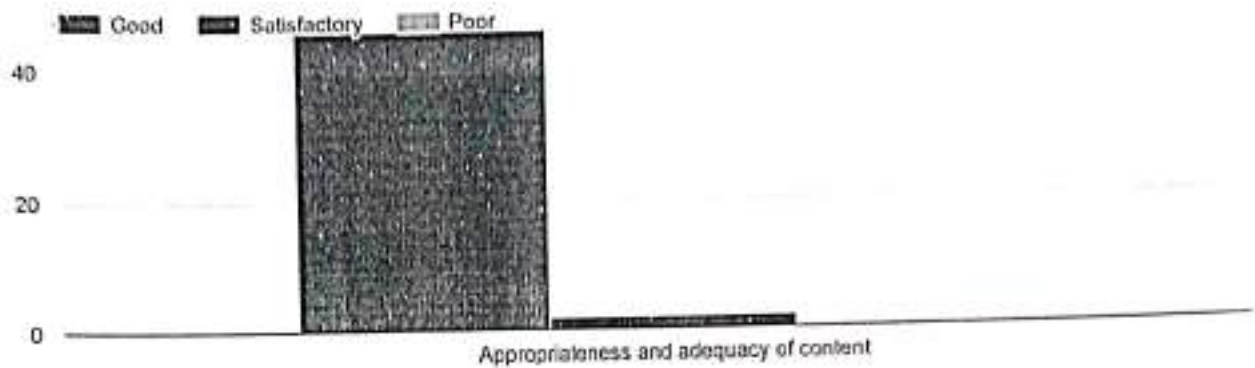
Course Organization

General

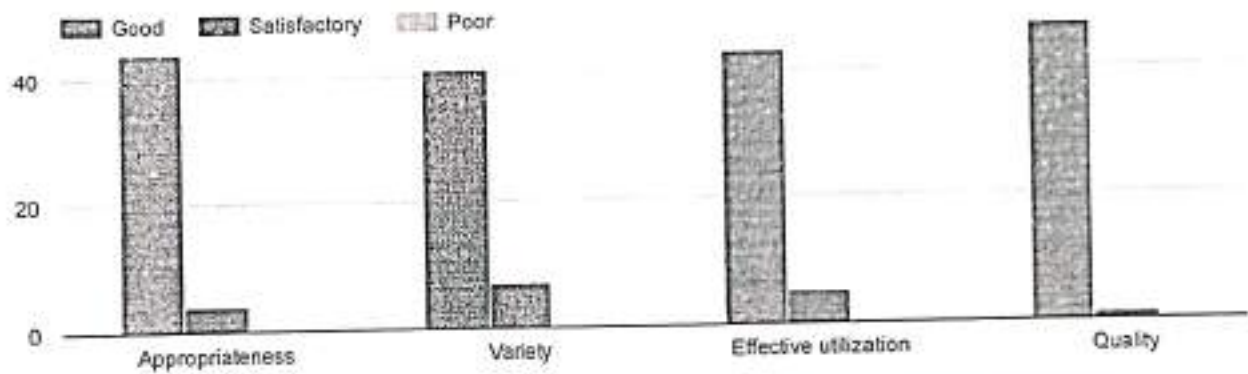


K. Narayana
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Lecture Session

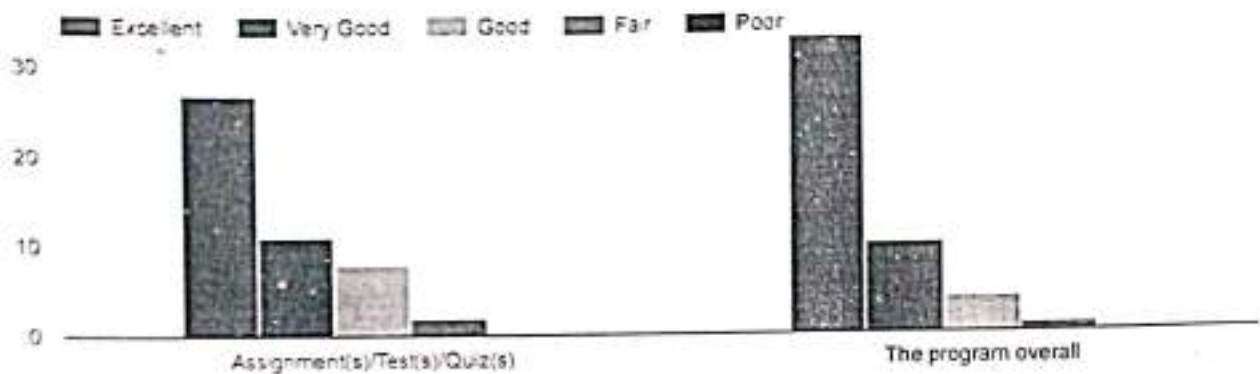


Learning Resources used/provided :



Please rate the following

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Give SUGGESTIONS by which you think the usefulness of the Workshop can be improved

48 responses

Good

Very good

OVERALL SESSIONS ARE GOOD

Nothing

If the workshop is offline based, it could have served the workshop goal cent percent.

Very good fdp

No

Video recording and the PPTs if shared then will be useful for future reference.


Good and useful

K. N. S.

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Shaikpet, Hyderabad - 500 104 7/7


Learning & Learning R₁ [Assignme [The progr Give SUGGESTIONS by which you think the usefulness of the Workshop can be improved

Good	Good	Excellent	Excellent	Very good
Satisfactor	Good	Good	Good	OVERALL SESSIONS ARE GOOD.
Good	Good	Very Good	Excellent	Nothing
Good	Good	Fair	Very Good	If the workshop is offline based, it could have served the workshop goal cent percent.
Good	Good	Excellent	Excellent	Very good fdp
Good	Good	Excellent	Excellent	No
Good	Good	Excellent	Excellent	Video recording and the PPTs if shared then will be useful for future reference.
Good	Good	Very Good	Excellent	Good and useful
Good	Good	Good	Good	Nothing specific
Good	Good	Very Good	Excellent	Nil
Good	Good	Excellent	Excellent	Good overall
Good	Good	Excellent	Excellent	One more FDP on 6G
Good	Good	Excellent	Excellent	Good AND USEFUL FDP
Good	Good	Good	Good	Conducting methods are good
Good	Good	Excellent	Excellent	Informative
Satisfactor	Good	Very Good	Excellent	The workshop was excellent. It is very useful.
Good	Good	Fair	Fair	Hands on session and day to day are needed
Good	Good	Excellent	Excellent	Thank you for giving the opportunity.
Satisfactor	Good	Good	Excellent	Include more live sessions
Good	Good	Excellent	Very Good	Please provide recorded lectures of all sessions
Good	Good	Excellent	Very Good	include more lab sessions
Good	Good	Excellent	Excellent	Planning of the lecture were apt and chronology is appreciable. Wish to attend more events of this kind at ur venue
Good	Good	Excellent	Excellent	Every day the content was excellent
Good	Good	Excellent	Excellent	Overall sessions are very good , Thank you CONDUCTED ETC DEPT.
Good	Good	Excellent	Excellent	Excellent organization
Good	Good	Very Good	Excellent	Good FDP.
Good	Good	Very Good	Very Good	More handson
Good	Good	Very Good	Very Good	Session is knowledgable
Good	Good	Excellent	Very Good	Good overall sessions organised
Good	Good	Very Good	Excellent	It was Nice FDP. Kindly conduct more such sessions
Good	Good	Excellent	Excellent	Excellent
Good	Good	Very Good	Very Good	After every lecture PPT must be available for participants



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Good	Good	Very Good nil	Good
Good	Good	Very Good	Very Good Please can do on IOT domain too sir
Good	Good	Excellent	No additional suggestions.
Good	Good	Excellent	Session was very informative and useful for future research
Good	Good	Excellent	No comments
Good	Good	Excellent	Good
Good	Good	Very Good	Practical implementation
Good	Good	Excellent	Good
Satisfactor	Good	Excellent	Not any specific....Nice workshop
Good	Good	Excellent	More hands on sessions
Satisfactor	Good	Good	Everything is good
Good	Good	Excellent	It's good
Good	Good	Excellent	Telecom 5 G / 6G standards can be shared
Good	Good	Excellent	It good
Good	Good	Excellent	Informative sessions
Good	Good	Excellent	Thank you for the opportunity


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3. Thank and congratulate the program coordinator and the entire team of ETM dept for their efforts in successful organization of the event.



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Chennai-600 096

Budget

Budget Utilization Sheet
Of

**“Recent and Emerging Trends in Wireless
Communication:4G and 5G Technologies” FDP Program**

Date: 24/10/2022

To,
The Principal
GNITS,-Hyderabad

Subject: Expenditure details of Ten Day online FDP on “Recent and Emerging Trends in Wireless Communication:4G and 5G Technologies” from 6/09/21 to 16/09 /21.

Respected Sir,

The Electronics & Telematics Engineering Dept., GNITS conducted ten days online FDP on “Recent and Emerging Trends in Wireless Communication:4G and 5G Technologies” in association with E & ICT, NIT, Warangal from 6/09/21 to 16/09 /21.

The following are details of money collected and spent/Expenditure details.

- | | | |
|---|---|--------------|
| 1. Amount Sanction from E & ICT, NIT Warangal | = | Rs. 1,10,000 |
| 2. Money Collected: (Directly goes to E&ICT NITW) | | |
| Total number of participants: 55 @ Rs. 750 each (Handed over) | = | Rs. 41, 250 |
| 3. Money Spent: | | |
| a. Remuneration for 40 Speakers @ Rs. 2500 per each | = | Rs 1,00,000 |
| b. Honorarium to GNITS course coordinator | = | Rs. 5,000 |
| b. Honorarium to E&ICT, NITW course coordinator | = | Rs. 5,000 |
| Total (which is equal to Amount Sanctioned) | = | Rs. 1,10,000 |
| 4. Money spent by GNITS for inauguration of FDP | = | Rs 3, 321 |



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Dr. Rajkumar L. Biradar

FDP Coordinator ETE Dept., GNITS

Date: 23/10/2021

To,
The Principal
GNITS.-Hyderabad

(Signature) 1326

Subject: Ten day online FDP on "RECENT AND EMERGING TRENDS IN WIRELESS COMMUNICATION: 4G and 5G TECHNOLOGIES" from 6th September-16th September, 2021.

Respected Sir,

The ETE Dept. conducted a ten days online FDP on "RECENT AND EMERGING TRENDS IN WIRELESS COMMUNICATION: 4G and 5G TECHNOLOGIES" from 6th September-16th September, 2021 in association with E& ICT, NIT Warangal. Following are details of expenditure for the online FDP.

1. Banners 2 Nos	=	Rs 1200 ✓
2. Color print outs	=	Rs 315 ✓
3. Sweets on inauguration day	=	Rs 1806 ✓
<hr/>		
Total Expenditure	=	Rs 3321 ✓

Hence, I request you to sanction the above amount which was spent for the FDP.

(Signature)
FDP Coordinator

(Dr. Rajkumar L. Biradar)

Forwarded to the Principal

K. R. Reddy
HOD, ETE

To Accountant
K.R. 26/10/21

(Signature)
PRINCIPAL
G. Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104

Registration and Budget details for

From: EICT NITW (eict.nitw@gmail.com)

To: kishore@nitw.ac.in; rajkumar_lb@yahoo.com

Date: Friday, 16 July, 2021, 01:47 pm IST

Dear Sir/ Madam,

As per the request letter sent from your college, your course is approved and you need to plan the programme and prepare the brochure and lecture schedule as soon as possible and send it to e-mail: eict.nitw@gmail.com to publish on the website.

I am also giving below the contact details of coordinator(s) and email address(es). Please contact the coordinator from NIT Warangal to plan the FDP.

Recent & Emerging Trends in Wireless Communication: 4G & 5G Technologies	<p>1. Dr.Rajkumar L. Biradar, ETM Dept. GNITS, Shaikpet, Hyderabad</p> <p>Email: rajkumar_lb@yahoo.com Ph. No: 9966672730</p> <p>2. Sri. Ravi Kishore Kodali, Dept. of ECE, NIT Warangal</p> <p>Email: kishore@nitw.ac.in Ph. No: 8985230362</p>	40 Hrs	Online	6 th - 16 th September, 2021
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Please find the attached documents for the instructions, Participant List format.

Thank you
E & ICT



4participant list1.docx
60.5kB



instructions online fdps-e&ict.pdf
289.1kB


PRINCIPAL

G. Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 076

	Electronics & ICT Academy (Set up by Ministry of Electronics & Information Technology, GoI, New Delhi) NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL (An Institute of National Importance)
	Address: C - Block, NIT Campus, Warangal, Telangana State, India, Pin Code – 506004 website: www.nitw.ac.in/cict/ , e-mail: cict.nitw@gmail.com , rbvs66@gmail.com , Phone: +91 870 246 27 50/51/52

6. Platform through which resource persons and participants are connected will be provided by the academy.

7. Laboratory sessions/demo can be online or conduct at the host institute under online monitoring and guidance of the concerned resource person.

8. Honorarium bill (filled in complete with signatures of resource person) along with NEFT Form and a copy of PAN card should be collected by the coordinator from each resource person.

9. No expenses towards accommodation, food, travel, lodging and boarding of resource persons or of enrolled participants will be reimbursed.

10. All the **recorded content** and forms should be submitted by coordinator(s) in original as per the check list on the last day or by post at the earliest.

11. Printing of certificates and posting will be done centrally at the academy and coordinator can take the help of office of E&ICT Academy in this regard.

12. The following are approved budget details for online FDPs.

Budget for 40 hours Programme		
S. No	Particulars	Approved expenditure
1	Honorarium for resource persons @Rs.2,000/- per hour	Rs.80,000
2.	Material preparation expenses @ Rs.500/- per hour	Rs.20,000
3	Course Coordinator(s) Fee	Rs.10,000
4	Travel, Food and accommodation expenses for resource persons	NIL
5	Certificates Printing and postage expenses	At actuals
6	Any expenses in providing online platform for delivering teaching, demo	Borne by E&ICT Academy and will be included in skilling cost.



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NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL
(An Institute of National Importance)

Address: C - Block, NIT Campus, Warangal, Telangana State, India, Pin Code – 506004
website: www.nitw.ac.in/eict/, e-mail: eict.nitw@gmail.com, rhvs66@gmail.com, Phone: +91 870 246 27 50/51/52

Appendix C

Terms and conditions for organizing Online FDPs:


1. Registration details:

- For faculty/research scholars : Rs. 750 for 40 hour FDPs.
- Research scholars are allowed for each FDP up to maximum of 5% of the strength.
- For Industry participants: Rs. 2250 for 40 hour FDPs.
- No complimentary registrations if the number of enrolled participants is less than 70.
- If the number of enrolled participants is more than 70, then complimentary registrations will be given in the ratio of 10:3 for the excess number of participants enrolled beyond 70.
(Ex: enrolled participants : 70, complimentary registrations : 0
enrolled participants : 80, complimentary registrations : 3
enrolled participants: 100, complimentary registrations: 9)
- Refund of Registration fee for no show participants will not be entertained except for the reasons of calamity.
- The registration fee is to be collected in the form online transfer only using the following details:

Online Transfer Details	
Account Name	: Electronics & ICT Academy NITW
Account No	: 62423775910
IFSC	: SBIN0020149
Bank and Branch:	State Bank of India, NIT(REC) Warangal

2. Spot registrations with cash payment may be considered only as a special case by the host institute and it should be transferred online.
3. Please note that if the number of participants is below 50, the programme should be cancelled.
4. Maximum of 100 participants are permitted to enroll for an FDP as monitoring, responding to the questions, doubts beyond that number is difficult for the speaker.
5. It is decided to conduct only 4 hours per day so that participants at host institute can attend their normal work other than this span of 4 hours. Hence total duration of 40 hours online FDP is 10 days and equivalent to one week FDP.

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Electronics & Telematics Engineering Department

Report on “Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies” Online FDP held from 06/09/21 to 16/09/21

Date: 10/10/2021

The Electronics & Telematics Engineering Dept., GNITS is organized online FDP on “Recent and Emerging Trends in Wireless Communication: 4G and 5G Technologies” in association with E & ICT, NIT, Warangal in from 6/09/2021 to 16/09/2021. The total number 55 participants, of ETE, ECE, CSE & IT department from different colleges of Telengana, Andra Pradesh, Karnataka & Maharashtra attended this FDP.

In this online FDP the following topics related 4G & 5G Technologies are covered and taught by Professor of NIT’s, IIT’s, IIIT’s, reputed institutions and by industry professionals from MATHWORKS.

- Evolution of Cellular Communication Standards 1G – 5G
- Diversity and Combining Techniques and Performance Trade -Off
- Channel Models for Wireless Communication
- 5G/6G Wireless Communication Systems and Research Challenges
- 5G: Challenges and Enabling Technologies
- Device-to-Device (D2D) communications
- Codes for 5G Wireless
- Transmission and Design Techniques for 5G
- Spectrum Sensing and Cognitive Radio
- Resource Allocation for Wireless Communications
- Software Defined Networks
- MIMO & 5G
- Realization of microwave and millimetre-wave Devices for
- 5G wireless Communications
- Machine Learning Application
- Modeling Communication Systems with MATLAB & Simulink
- Design and Simulate Complex Wireless Systems with MATLAB & Simulink


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All the participants gained the theoretical knowledge in 4G & 5G technologies and same is implemented using MATLAB, which inturn, this FDP benefitted the participants to know the current research trends and carry out their research work in wireless communications.

At the end of event, the feedback was collected and response was very good.

Dr. Rajkumar L. Biradar
Prof., ETE Dept.
Coordinator, FDP, GNITS

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