



J.B. INSTITUTE OF ENGINEERING AND TECHNOLOGY

(UGC AUTONOMOUS)

(Accredited by NBA&NAAC, Approved by AICTE & Permanently Affiliated to JNTU H Hyderabad)
Yenkapally (Vi), Moinabad (M). P.O. Himayat Nagar, RR District, Hyderabad 500075



Department of Electronics and Computer Engineering

Academic Year: 2022-23

FDP REPORT

ON

IOT AND ITS APPLICATIONS

28-02-2023 TO 04-03-2023



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Department of Electronics and Computer Engineering

Academic Year: 2022-23

Brochure

 J B INSTITUTE OF ENGINEERING & TECHNOLOGY (UGC Autonomous) Accredited by NAAC & NBA, Approved by AICTE & Permanently Affiliated to JNTU H One Week Faculty Development Program on Internet of Things (IoT) and Applications 28 Feb- 04 March 2023 Organized by Department of Electronics and Computer Engineering	Chief-Patron  Sri. J. V. Krishna Rao Secretary, JBES Patrons  Maj. Gen. Dr. S. S. Dasaka, SM, VSM (Retd) CEO, JBGEI  Dr. P. C. Krishnamachary Principal, JBIET Co-Patron  Dr. Niraj Upadhyaya Dean (CS) & Dean (R&D) Conveners Dr. Narsappa Reddy-HOD-ECM Mr. N. Thirupathi Rao, Associate Professor	Advisory Committee Dr. Md. Salauddin, Dean Academics Dr. Himanshu Sharma, Dean Admin Dr. Sumagna Patnaik, Dean IQAC Dr. Anindya Jana, Dean IITC Dr. T. Rajesh, Dean-Quality Development Dr. B.V. Swarnalathamma, Dean- S & H Dr. J. Karthikeyan, Dean Student Affairs Dr. Towheed Sultana, HOD- ECE Dr. P. Dural Pandey, HOD-EEE Dr. L. Sridhar Rao, HOD- IT Dr. Arun S Thomas, HOD- AIML Dr. K. Roshan, HOD- AIDS Dr. Anoop Kumar Shukla, HOD- ME Dr. K. Aditya, HOD- CE Mr. G. Sreenivasulu, HOD- CSE Mr. CH. Veerareddy, HOD- MIE Dr. P. Subrahmanyam, HOD- MBA Dr. P. Srinivasa Rao, CE Organizing Committee Mr. Md. Asif, Assistant Professor Mrs. Kiran Pakmode, Assistant Professor Ms. V. Prashanthi, Assistant Professor Mrs. M. Anusha, Assistant Professor Contact Details Md. Asif, 9052701257 asif.ecm@jbiet.edu.in
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One Week Faculty Development Program on Internet of Things (IoT) & its Applications 28th Feb - 04th March, 2023 Objective of program The aim of this program is to introduce the participants to the amazing world of IoT and its fascinating applications. IoT is the idea of making devices and objects smarter by linking them to the internet. This technology frontier (IoT) with immense engineering applications is the need for today's industry and academia. 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.	About JBIET, Hyderabad As one of the top ten most preferred institutions in Telangana, JBIET continues to strive to impart technical (engineering) and professional education of very high standards. The aim of JBIET is to mould young learners into globally competitive professionals who are professionally deft, intellectually adept and socially responsible. The Placement record of JBIET over the years is proof of our right efforts in enabling the best in class engineering, technical and professional education to aspirants. About ECM The department of ECM in best known for its talented and dedicated professionals renowned for their excellence in various specializations in the field of Electronics & Computers. The department is provided with state of the art technological tools incorporated in all the existent laboratories. The augmentation of the intake of the department 60	Registration & Important Dates The participants need to pay through GPay/PhonePay to 9052701257 and share the transaction id. Participants from Academia : Rs. 500/- Participants from Industry: Rs. 1000/- Interested persons are requested to send the below informations to hodecm@jbiet.edu.in: Name: _____ Designation: _____ Institution : _____ Transaction Id : _____ Date: _____ Whatsapp No: _____ Contact Details Mr. Md. Asif, Assistant Professor asif.ecm@jbiet.edu.in 9052701257
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Organized by Department of Electronics and Computer Engineering



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Department of Electronics and Computer Engineering

Academic Year: 2022-23

Date: 06.03.2023

FDP REPORT ON “IOT AND ITS APPLICATIONS FROM 28-02-2023 TO 04-03-2023”

The Department of Electronics and Computer Engineering organized a One Week Faculty Development Program on “IOT AND ITS APPLICATIONS FROM 28-02-2023 TO 04-03-2023”. **37 Faculty Members from different Institutes** participated in the event.

Inauguration of Event by Resource Person Dr. Kamakhi Prasad and other Distinguished Guests



Distiguised Guests on the Stage



Lightning of tne Lamp



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Department of Electronics and Computer Engineering

Academic Year: 2022-23

Day 1: Forenoon Session by Dr.Kamakshi Prasad (JNTUH) on “ Introduction to IOT”



Day-1(FN): Session by Dr.Kamakshi Prasad



Felicitation of Dr.Kamakshi Prasad

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Department of Electronics and Computer Engineering

Academic Year: 2022-23

Day-1: Afternoon Session by Dr.Venu Gopal (Manager -Medewa)-Industry Expert).M on “Industrial Applications of IOT & Overview of IOT Projects”



Day-1(AN): Session by Dr.Venu Gopal .M



Falicitation of Dr.Venu Gopal .M



Day-2: Forenoon Session by Mr. Shravan Kumar (ECE-JBIET) on “Protocol Stack in IoT & Sensors and Actuators”



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Department of Electronics and Computer Engineering

Academic Year: 2022-23

Day-2: Afternoon Session by Mrs.Kiran Pakmode(ECM-JBIET) on “Intelligent D2D Communication”



Day-3: Forenoon Session by Mr.G.Sreenivasulu(CSE-JBIET) on “Data Management and Big Data Analytics in IoT”





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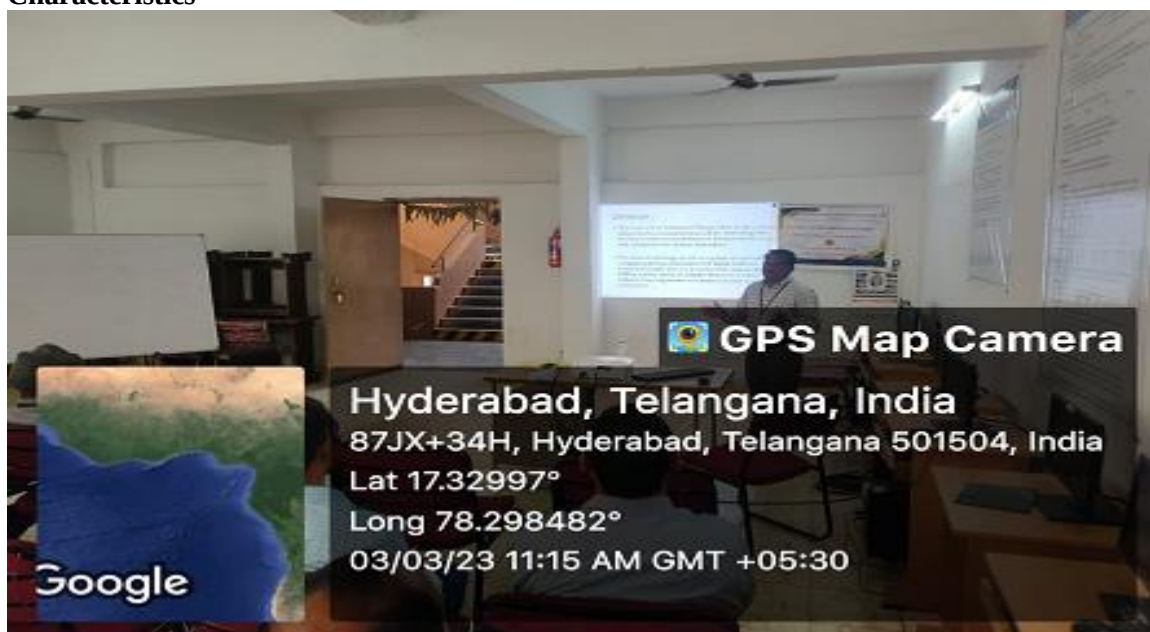
Department of Electronics and Computer Engineering

Academic Year: 2022-23

Day-3: Afternoon Session by Dr.L.Sridhar Rao(IT-JBIET) on “Case Studies in IOT”



Day-4: Forenoon Session by Dr.K.Roshan(AIDS-JBIET)on “IoT Physical Design & Characteristics”





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Academic Year: 2022-23

Day-4: Afternoon Session by Dr.Abdul Raheem(ECE-JBREC) on “Security and Privacy in IoT”



Day-5: Forenoon Session by Dr.P.Sreenivas Rao(CSE-JBIET on ” Research Topics in IoT and Smart cities”





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Department of Electronics and Computer Engineering

Academic Year: 2022-23

Day-5: Afternoon Session by Mr.R Krishna Reddy (CTO.Encorp ,USA) on “Role of Distributed Data Analysis in IoT”



Felicitation to Mr. Krishna Reddy (CTO.Encorp ,USA) by Principal, JBIET.





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Department of Electronics and Computer Engineering

Academic Year: 2022-23

Certificate Distribution for the Participants:





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Department of Electronics and Computer Engineering

Academic Year: 2022-23

Press Coverage (News Paper)

Inaugural Press Coverage in News Paper

సవతెలంగాణ

జేబీఐఈటీ కళాశాలలో అధ్యాపకుల స్కిల్ డెవలప్ మెంట్ ప్రోగ్రాం

సవతెలంగాణ - మొయినాబాద్
అధ్యాపకుల బోధన నాణ్యతా ప్రమాణాలపై స్కిల్ డెవలప్ మెంట్ కార్యక్రమాన్ని అధ్యాపకులు సద్యని మోగం చేసుకోవాలని సిఎస్సీ ప్రొఫెసర్ డాక్టర్ కామాక్షి ప్రసాద్ అన్నారు. మంగళవారం జేబీఐఈటీ కళాశాలలో ఈ సిఎం జ్ఞుందం ఆరంభంలో నిర్వహించా దని, ఇతర కళాశాల నుండి 30 మంది అధ్యాపకులు హాజరవుతున్నట్లు ప్రోగ్రాం కోర్సెస్ డాక్టర్ సర్వాప్తి రెడ్డి తెలిపారు. కార్యక్రమానికి ముఖ్యఅతిథిగా జేఎన్టీయూ సిఎస్సీ ప్రొఫెసర్ డాక్టర్ కామాక్షి ప్రసాద్ హాజరై మాట్లాడుతూ అధ్యాపకుల బోధన నైపుణ్యాన్ని పెంపొందించేందుకు డెవలప్ మెంట్ ప్రోగ్రాం ఎంతగానో దోహదపడుతుందని పేర్కొన్నారు. వారు లేజలుగా కొనసాగి ఈ కార్యక్రమాన్ని హాజరైన అధ్యాపకులు చక్కటి బోధనా విధానాలను పెంపొందించుకోవాలని సూచించారు. కార్యక్రమంలో ఏ శ్రీనివాస్ చీకానీ ప్రిన్సిపాల్, ఈ సిఎం ఫ్యాకల్టీ మెంబర్స్ తిరువతిరావు, ఆసిద్ కిరణ్, ప్రకాంతి అనూప, ఈసీఈ స్పెషాలిజ్ ఇతర హెచ్ ఓ డిఎ తదితరులు పాల్గొన్నారు.

Valedictory Press Coverage in News Paper

సవతెలంగాణ

జేబీఐటీ కళాశాలలో ఘనంగా ఫ్యాకల్టీ స్కిల్స్ ముగింపు కార్యక్రమం

సవతెలంగాణ - మొయినాబాద్
గత వారం లేజలుగా జేబీఐటీ కళాశాలలో అధ్యాపకుల స్కిల్స్ డెవలప్ మెంట్ కార్యక్రమాన్ని నిర్వహించారు. ఈ కార్యక్రమం వివరిత లేజ వందవరకుగా శనివారం చీకానీ చిన్నలతో యూఎనివి ఆఫీసర్ కృష్ణారెడ్డి హాజరై ఇవోటి అఫ్ఠికేషన్ ను ఇంకా ప్రాముఖ్యతను విపులంగా వివరించారు. అధ్యాపకులకు సర్టిఫికేటును అందజేశారు. కార్యక్రమంలో జేబీఐటీ కళాశాల డాక్టర్ చీకానీ కృష్ణారెడ్డి, ఈసీఎం ప్రొఫెసర్ డాక్టర్ కామాక్షి ప్రసాద్, ఈసీఎం ఫ్యాకల్టీ మెంబర్స్ తిరువతిరావు, ఆసిద్ కిరణ్, ప్రకాంతి అనూప, ఈసీఈ స్పెషాలిజ్ ఇతర హెచ్ ఓ డిఎ తదితరులు పాల్గొన్నారు.



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Departments of Electronics and Computer Engineering

Academic Year: 2022-23

NEST WORLD

FACULTY DEVELOPMENT PROGRAMME(FDP) **On** **Internet of Things (IoT) & its Applications** (28th February to 04th March, 2023)



**Department of Electronics and Computer Engineering,
J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY
(UGC Autonomous)**

Objective of program:

The aim of this program was to introduce the participants to the amazing world of IoT and its fascinating applications. IoT is the idea of making devices and objects smarter by linking them to the internet. This technology frontier (IoT) with immense engineering applications is the need for today's industry and academia. 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 IoT, Current products, Open source electronics for IoT, IoT languages and its tools.
 - Communication protocols, interconnections, system design and development, latest sensors and actuators.
 - IoT cloud, Image processing applications in IoT.
 - Data management and big data analytics in IoT.
 - Research issues and case studies in IoT.
- Hands-on training sessions will be provided with demos on real-time applications.



ORGANIZED AT

The programme was coordinated and conducted by Department of Electronics and Computer Engineering. The whole course is handled by academicians from premier institutions, Industry experts and Research advisors.

Eligibility: The programme was open to the faculty of engineering colleges, MCA colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Research Scholars and other working professionals are also eligible.



VOLUME I ISSUE 3

NEST WORLD

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FDP COORDINATOR

FDP-CONVENER

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