

### About the College:

Gudlavalleru Engineering College was established in the year 1998 and is promoted by AANM & VVRSR Educational Society. This college is located in amidst green surroundings at the outskirts of Gudlavalleru village, a mandal head quarters in Krishna District of Andhra Pradesh. All eligible B. Tech programs of EEE, ME, ECE and IT have been accredited by NBA under TIER –I for a period of three academic years from 2019- 20 to 2021-22. All eligible B. Tech. programs were earlier accredited thrice by NBA. The other programs are in the process of reaccreditation.

The College is accredited by NAAC with "A" grade and obtained the status of permanent affiliation to JNT University Kakinada and was granted autonomous status by UGC since 2014.

Along with 8 UG programs, the college is also offering M. Tech. Programs in ECE, EEE, CSE, ME and Civil Engineering and a PG Programme in Business Administration (MBA).

### About the Department:

The department is offering B. Tech Programme in Electronics and Communication Engineering (1998), M. Tech in VLSI Design and Embedded Systems (2019) and B. Tech–IoT from the Academic Year 2020-21. B. Tech (ECE) is Tier - I accredited by NBA for three years w.e.f. 2019-2020. This department is a recognized research center by JNT University Kakinada.

The department has well qualified staff specialized in Microelectronics, Instrumentation and Control, Digital Systems & Computer Electronics, Digital Communication and Networks, Systems & Signal Processing, Microwave Engineering, VLSI Design. Department Labs are equipped with specialized equipment like spectrum analyzer, Digital Storage Oscilloscope, Universal Programmer, Curve Tracer, DSP, VLSI & Embedded System Development Kits supported by software like CCS (Code Composer Studio) for DSP, MATLAB, Aldec VHDL, Xilinx vivado FPGA Express, Altera Quartus-II, HFSS, Mentor Graphics (Front End, Back End Tools), Xilinx 14.1i (Project Navigator), Modelsim, Multisim, Ride, Lab VIEW, TI based embedded systems Robots and IoT etc.

### About the FDP:

The FDP is formulated to enhance the knowledge and skill of the participants in using Internet of Things for implementing real time projects in the field of Electronics and communication engineering.

### Objectives:

- To make the participants familiarize with IoT concepts through hands on experience.
- To enable the participants take up real time projects in the field of internet of things.

### Course High Lights:

- ❖ Introduction to IoT, & Embedded System
- ❖ IoT - Computing Platform
- ❖ Signal Processing and machine learning for IoT Application
- ❖ Powering IoT devices
- ❖ IoT Security
- ❖ Case Studies on IoT Systems
- ❖ IoT - Smart Cities
- ❖ IoT - Solar Power Application
- ❖ Design Thinking – IoT
- ❖ IoT system development using python programming (Practical Session)

### Resource Persons:

- Dr.K.Solomon Raju, Senior Scientist, CEERI, Pilani
- Er.S.Bhavanishankar,Head-IoT.Efftronics Systems Pvt.Ltd.VJA
- Dr.P.Srihari, Professor, NITK, Surathkal
- Dr.B.Lakshmi, Associate Professor, NITW, Warangal
- Dr.Eswar Murthy,Asst.Professor,IIIT,Kurnool
- Er.RamakrishnaDutt,Sr.SoftwareEngineer,Enphaseenergy,BNGL.
- Dr.B.K.N.Srinivasarao, Assistant Professor, NITW, Warangal
- Dr.Sachin, Associate Professor IIIT, Hyderabad.
- Dr.Murali Krishna,Professor,CE JNTUK, Kakinada.
- Dr.M.Kamaraju, Professor,GEC, Gudlavalleru.
- Er.Ramakrishna, Sr.Design Engineer, Xilinx,Hyderabad.
- Er.B.Anil Kumar,Tech.Manager,Inovas semi.Gmbh),Germany
- Er.P.Madhu,Madblocks,CEO,Hyderabad.

### Eligible :

- ❖ The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, CBSE Teachers, Industry (Bureaucrats/Technicians/Participants from Industry etc.)and staff of host institutions.
- ❖ No Registration FEE to attend this online ATAL FDP.

### Dates to Remember:

Last date for Registration: **4<sup>th</sup> December 2020.**  
**ATAL FDP: 7<sup>th</sup> - 11<sup>th</sup> December 2020.**

**Registration:** This online FDP through the ATAL portal;  
<https://atalacademy.aicte-india.org/login>.

**Note:** Last date of online registration is 4/12/2020.

Shortlisted candidates will be announced through email within 2-3 days of online program.

### Certificate:

- ❖ Participants have to attend an exam at the end of the 5 day programme.
- ❖ The participants who have attendance more than 80% and test score greater than 60% are eligible to receive Digital Certificate issued by the ATAL Academy.

### Sessions Timings:

**7<sup>th</sup> - 11<sup>th</sup>, December, 2020 (Every day 3 sessions).**

**Session1: 10:00AM To11:30 AM (IST).**

**Session2: 11:30 AM To 1:00PM (IST)**

**Session3: 2:00PM To 3:30 PM (IST)**

**Chief Patron:**

AANM & VVRSR Educational Society

**Patron:**

Dr. P. Ravindra Babu, Principal

**Co-Patrons:**

Dr.G.V.S.N.R.V.Prasad, Professor, CSE & Vice Principal-Academics

Dr.B.Karuna Kumar, Professor, ME & Vice Principal-Administration

**Advisor:**

Dr. P. Nageswara Reddy, Director, AS&A

**Coordinator:**

Dr.M.Kamaraju., Professor & Mentor(AS&A), ECE Dept.

**Co- Cordinator**

Dr.V.V.K.D.V.Prasad, Professor & HoD, ECE Dept.

**Advisory Committee:**

Dr.K.N.Prakash, Professor, ECE

Dr.R.S.Rao, Professor, ECE

Dr.Y.Rama Krishna, Professor, ECE

Dr.Ravi Krishna Reddy, Professor, ECE

Dr.Ch.Balaswamy, Professor, ECE

Mr.V.Vittal Reddy, Assoc. Prof., ECE

Mrs.T.Venkata Lakshmi, Assoc. Prof., ECE

Mr.T.S.R.Krishna Prasad, Assoc. Prof., ECE

Mr. A. Mallaiah, Assoc. Prof., ECE

Dr.Y.Syamala, Assoc. Prof., ECE

Dr.B.Raja Sekhar, Assoc. Prof., ECE

Mr.Y.Sri Chakrapani, Assoc. Prof., ECE

Dr.D.Prabhakar, Assoc. Prof., ECE,

Dr.S.Ravi, Assoc. Prof., ECE,

Dr.T.Ananda babu, Asst. Prof., ECE

**Programme Organizing Committee:**

Sri N.Samba Murthy, Asst. Professor, ECE

Sri B.Vamsy Krishna, Asst. Professor, ECE

Sri B.R.B.Jaswanth, Asst. Professor, ECE

Sri M.Damodhar Rao, Asst. Professor, ECE

Sri P.Anil Kumar, Asst. Professor, ECE

Sri B.Ajay Kumar, Asst. Professor, ECE

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Mrs.V.Sree lakshmi, Asst. Professor, ECE

Ms.P.Ramya, Asst. Professor, ECE

Mrs.V.Priyadarshini, Asst. Professor, ECE

**Address for Correspondence****Coordinator:**

Dr.M.Kamaraju., Professor & Mentor(AS&A),  
ECE Dept., Gudlavalleru Engineering College,

Gudlavalleru, Krishna Dist.-521356

Mobile: 9849157394.

E-mail : [profmkr@gmail.com](mailto:profmkr@gmail.com)

**Location:**

<https://goo.gl/maps/HFGXQAfcmLZ8fKCA7>



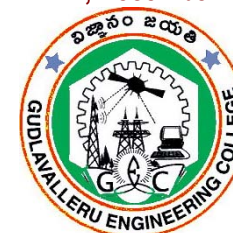
**A 5-day National Level**  
**AICTE Training And Learning (ATAL) Academy**  
**Sponsored**

**Online Faculty Development Programme (FDP)**  
**on**

**Internet of Things (IoT) Based**  
**Embedded System Design for Real**  
**Time Applications**

**(IoTESDRTA-2020)**

**7<sup>th</sup> - 11<sup>th</sup>, December 2020.**



**Organized by**

**Department of Electronics & Communication Engineering**  
**Gudlavalleru Engineering College**

**(Sponsored by AANM & VVRSR Educational Society)**

**SESHADRI RAO KNOWLEDGE VILLAGE**

**Gudlavalleru- 521 356, Krishna District, Andhra Pradesh**

**(Affiliated to JNTUK, KAKINADA)**

**Phone: 08674 - 273737, 273888, Fax : 08674 - 273957**

**Website: [www.gecgudlavalleru.ac.in](http://www.gecgudlavalleru.ac.in).**