# Gokaraju Rangaraju Institute of Engineering and Technology
## (Autonomous)

## Report of the Event

**Title of the Event:**   Workshop on "Foundation Program in ICT for Education"

**Organized Date:**  03rd August 2017 to 07th September 2017

**Summary Report:**

Online educational methodology, and flipped classrooms with associated pedagogy of active learning, have quickly emerged as the mainstay of effective education in this century. However, most of our teachers lack skills and competencies for proper and effective use of ICT in education. It is thus an urgent national requirement that all our teachers, at least those teaching in our professional colleges, are empowered to use technology effectively, to enhance the quality of education.

**Course Modules**

**Module 1. Information Capture, Storage, and Display**

1. Subsystem of Computer Devices for Capture
    i. Keyboard, Monitor, Printer, Webcams, Mouse, Hard disks, Software
    ii. Tablets and Smart Phones
    iii. Servers, Cloud, Storage Farms
2. Effective Storage and Display
    i. Directory Organization and File Handling
    ii. Dealing with multiple information format
    iii. Organizing and Searching

**Module 2. The world of Internet and Web**

1. Essentials
    i. Basics of Connectivity, LANs and WANs, Wireless and Bluetooth
    ii. Organization of Web, IP Address, Domain Names, DNS Servers
    iii. Browsers and Plug-ins
2. Effective exploration of Web
    i. Searching Techniques
    ii. Best practices for exploration

**Module 3. Use of ICT for Resource Creation and Management**

1. Digital Content Creation using common productivity tools
    i. Document Editors
    ii. Presentation Software
    iii. Spreadsheets
2. Audio-Video Resource Creation: Spoken Tutorial Methodology

3. Content Management Systems
4. Learning Management Systems

## Module 4. Best Practices for Information dissemination with ICT

1. Best Practices for Visual Communication
2. Best Practices for Online Collaboration
     i.    ICT as a facilitator for academic ethics and integrity
     ii.   Creative Commons Licensing
     iii.  Netiquettes for effective email communication
     iv.   Practices for engaging in healthy discussion
3. Facilitating collaborative resource creation and evaluation for online usage