



INTERNET OF THINGS

VALUE ADDED COURSE

2020-2021

SUMMARY REPORT

Name of the Course: INTERNET OF THINGS

Course Code: VCIOT013

Offering Body: SAINTGITS COLLEGE OF APPLIED SCIENCES

No: of students who opted the course: 59

Year, Semester and batch to which the course was offered:

Batch	Class	Semester
2018-2021	BCA	6 th semester

Duration of the course: 30 Hours



CAMPUS

Kottukulam Hills, Pathamuttom P. O., Kottayam – 686 532, Kerala | Tel: +91 481 2433787 | scas@saintgits.org

CORPORATE OFFICE

III Floor, Unity Building, K. K. Road, Kottayam – 686 002, Kerala | Tel: +91 481 2584330, 2300365 | mail@saintgits.org

www.saintgits.org

Topics Covered:

Module-1: IoT Introduction –Definition, Features, Advantages, Disadvantages, standard devices, Sensors- Different types, various forms of sensor data, Introduction to Big Data and cloud Computing.

Module-2: IoT Architecture and working –IOT hardware – sensors, wearable electronics and standard devices. Software – data collection, integration, real time analysis

Module-3: IoT Technology and Protocols –RFID, NFC, low-energy Bluetooth, low-energy wireless, low-energy radio protocols, LTE-A, and Wi-Fi-Direct.

Module-4: IoT Applications, Challenges and Security Issues –Government, Healthcare, Industry, Environmental Monitoring, Transportation, Smart Home, Smart Grid. Security Issues- Privacy, Authentication, Hardware, Software.

Resource materials, Teaching Methodology:

Study materials and PowerPoint Presentation

practical sessions

Outcome of the course:

After the completion of the course, the students are able to define the various concepts of IoT, architecture and working, and to list different technologies and protocols in IoT

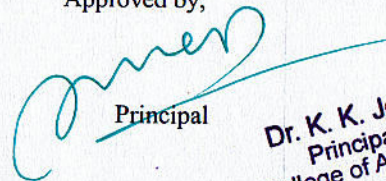
Prepared by,



VAC Coordinator



Approved by,



Principal

Dr. K. K. John
Principal
Saintgits College of Applied Sciences
Kottukulam Hills, Pathamuttom P. O.
Kottayam 686 532, Kerala

CAMPUS

Kottukulam Hills, Pathamuttom P. O., Kottayam – 686 532, Kerala | Tel: +91 481 2433787 | scas@saintgits.org

CORPORATE OFFICE

III Floor, Unity Building, K. K. Road, Kottayam – 686 002, Kerala | Tel: +91 481 2584330, 2300365 | mail@saintgits.org

www.saintgits.org

LEARN

GROW

EXCEL