Brief Profile of the Department of CSE:

The School has a rich blend of experienced and committed faculty who are well-qualified in various aspects of computing and information technology apart from the numerous state-of-the-art digital classrooms and laboratories having modern computing equipment. The School offers five full-time undergraduate programs, B.Tech in Computer Science and Engineering, B.Tech in Computer Science and Engineering (Artificial Intelligence & Machine Learning), B.Tech in Computer Science & Information Technology, B.Tech in Computer Science and Systems Engineering, B.Tech in Information Science and Engineering and three postgraduate programs: M.Tech in Data Science & Engineering, and M.Tech in Computer Science and Engineering.

For any query regarding this program, please contact the Coordinators.

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About REVA University:

REVA University has been established under the REVA University Act, 2012. The University is located in Bengaluru on a sprawling green campus, spread over 45 acres of land, built with state-of-the-art infrastructure creating an environment conducive to higher learning and research. The founder of REVA University believes in the motto ‘Knowledge is Power’. Driven with a philanthropic vision and a missionary zeal, the campus is built to transform students into outstanding citizens. The University prides itself in contributing to the holistic development of every student. The University currently offers 33 undergraduate programs, 24 full-time postgraduate programs, 2 part-time postgraduate programs, Ph.D. Programs in various disciplines and several Certificate/Diploma and postgraduate Diploma programs in Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts.

Centre for Continuing Education of NIT Warangal:
The Centre for Continuing Education of NIT Warangal organizes Continuing Education Programs and Workshops in the frontier areas of Science, Engineering, Technology, Management, Humanities, Social Science and socially relevant themes on self-financing basis in three different modes: (i) At NIT Warangal by NIT Warangal (ii) At NIT Warangal in collaboration with other Organizations (iii) By NIT Warangal Faculty at the Host Organization/Institute.

Online Faculty Development Programme on “Internet of Things and its Applications”

21st December To 25th December, 2020

Call for Registration and Participation

Coordinators

Dr. Prabhakar M
Dr. Ashwin Kumar U M

Organized by
School of Computer Science & Engineering
REVA University - Bangalore

In association with the
Center for Continuing Education
NIT - Warangal
**Overview of the FDP:**
The IoT is significant because an object that can represent itself digitally becomes something greater than the object by itself. No longer does the object just relate to the process; it now connects to surrounding objects and database data, permitting “big data” analytics and insights. IoT has evolved from the convergence of wireless technologies, micro-electromechanical systems, microservices and the internet. Consumer IoT took another revolutionary path, either by becoming connected – for example, speed sensors on a bike – or being newly invented. In other instances, such as in healthcare, things have been there but not widely used, such as patient health status.

**Objectives:**
- The objective of the FDP is to introduce fundamentals of IoT with its applications.
- The program would help the participants to understand the key concepts behind IoT.
- Identify the Technologies which are more appropriate for various types of networking knowledge of various IoT architectures such as Wireless Sensor Networks.
- This FDP also focuses on exploring various research opportunities and challenges in the field of IoT and its applications.
- Help developing socially useful projects and converting them into products.

**Topics to be covered:**
- Internet of things: An overview, IoT Architectural view
- Internet connectivity principles and Internet based communication
- Internet of things connected to the cloud
- Prototyping and designing the software for IoT applications
- Business models and processing using IoT
- Data acquisition and control using the cloud server Lab
- Getting weather information from cloud server using CC3200 lab
- Sending SMS alerts using Nexmo and Twilio cloud services lab

**Resource Persons:**
Eminent faculty from IITs, NITs, IIITs, Central Universities, Industry and Senior Faculty from different departments of NIT Warangal, will deliver lectures and conduct hands on sessions.

**Registration fee:**

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Faculty, Post-doctoral fellows, Research Scholars, PG students, UG students</td>
<td>Rs. 500/-</td>
</tr>
<tr>
<td>Industry participants</td>
<td>Rs. 1000/-</td>
</tr>
</tbody>
</table>

Registration fee may be remitted Online through NEFT to the Bank account given below. Proof of remittance of the requisite registration fee (with transaction number if online transaction) shall be uploaded in the google form.

**Confirmation of Participation:**
On receipt of the google form and fee remittance receipt, participants will be sent confirmation of their participation through email by 10th September, 2020. As the program is conducted online, the number of participants in the workshop is limited to 100. Candidates are advised to register early to avoid disappointment.

**How to Apply:** Eligible candidates may apply by filling the following google form with payment proof on or before 20th December, 2020.

https://docs.google.com/forms/d/e/1FAIpQLSfoKY2STWoFW7TgQICBHSkj7FlBMaTpAY0boxN5Xa1FRz4fw/viewform?usp=sf_link