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Technical Sessions

Introduction to Industry 4.0 and AI

"The Fourth Industrial Revolution, also known as Industry 4.0, is radically changing the way we work and live".

Industry 4.0 Applications in Image Processing

"The Future is Smart - Image Processing is an Important Component of Industry 4.0"

Role of Industry 4.0 in Digital Marketing

"Digital marketing is any form of marketing that exists online. It's how you'll find the modern audience and your potential customers"

IoT Powered Energy Analytics

"Industry 4.0 and power management – more than a matter of energy efficiency, costs and continuity"

IoT for Computational Intelligence

"Internet of Things is transforming the everyday physical objects that surround us into an ecosystem of information that will enrich our lives"

Cyber Security Attacks Detection and Mitigation

"Technology trust is a good thing, but control is a better one"

AI Powered Malware Analysis

"Signature-based malware detection is dead. Machine learning based Artificial Intelligence is the most potent defense the next gen adversary and the mutating hash"

Advanced Machine Learning Techniques

"Machine and Deep Learning will create a new set of hot jobs in the next five years"

Bringing Blockchain Technology into Industry 4.0

"It provides a very high level of safety and security when it comes to exchanging data, information, and money"
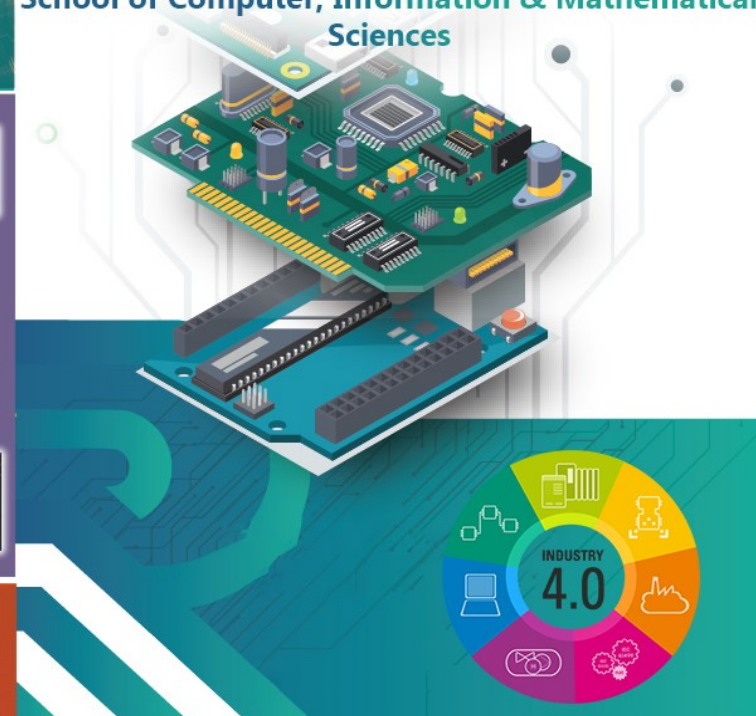
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37 YEARS OF ACADEMIC EXCELLENCE

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Five Day Online Short Term Training Programme
on
Artificial Intelligence and its Impact on
INDUSTRY 4.0

(Technologies and Solution Methodologies for Real-world Scenarios)

(26.04.2021 to 30.04.2021)

Organised by

School of Computer, Information & Mathematical Sciences

INDUSTRY 4.0

in association with

COMPUTER SOCIETY OF INDIA — ESTD. 1965

ICT ACADEMY

Address for Communication

Dean (SCIMS)

B.S. Abdur Rahman Crescent Institute of Science and Technology Vandalur, Chennai 600 048

dean_scis@crescent.education

www.crescent.education

About the Institution

B. S. Abdur Rahman Crescent Institute of Science & Technology is a renowned quality leadership institution located at the greenest spot in Chennai near Tambaram. Through its long history of 37 years of excellence, the institution has offered access to a wide range of academic opportunities. With all 55 programs, grouped under 12 different schools, 30 UG programmes, 25 PG programmes and Ph.D (in all departments), the institution is a rising stalwart in higher education with promising quality, security and placement. We welcome students from all countries and our educational programs are designed to equip the learners with virtual knowledge that helps them to achieve what they want to be and go where they want to go in the ladder of success.

About the School

The School of Computer, Information and Mathematical Sciences (SCIMS) endeavour for excellence in creating, applying and imparting knowledge in the field of Computer Science through comprehensive educational programmes. The SCIMS offers the following Programmes:

UG Programmes
- B.Tech. (CSE)
- B.Tech. (AI & DS)
- B.Tech. CSE (IoT)
- B.Tech. CSE (Cyber Security)
- B.Tech (IT)
- BCA (Cloud Technology & Information Security)
- BCA (Data Science)
- BCA (Mobile App. & Information Security)
- BCA (Multimedia & Web App. Development)
- B.Sc. (Computer Science)

PG Programmes
- M.Tech. (CSE)
- M.Tech. (IT)
- MCA
- M.Sc. (AS)

Ph.D Programme
in all disciplines

About the Programme

A five day Short Term Training Programme on Artificial Intelligence and its Impact on Industry 4.0 is scheduled with an objective to provide the necessary knowledge and skills to apply the AI techniques to real-world problems using interdisciplinary approach with hands-on sessions. The complexity of using artificial intelligence in industrial automation requries that manufacturers collaborate with specialists to reach customized solutions.

This STTP introduces the Industry 4.0 based solution methodologies using cutting-edge AI technologies in automation and data exchange in Manufacturing, Power Systems & Energy Analytics, Transportation service, Healthcare, Financial service, Insurance, Mining, Consumer Packaged Goods, Social Service Applications. The STTP also covers Cyber Security technologies and their industrial applications.

Programme Objectives

The STTP is intended to emphasize the importance of AI techniques and Industry 4.0

- To introduce Industry 4.0 concepts.
- To apply inter-disciplinary research perspectives.
- To understand prevention and countermeasures of various cyber-attacks, tools and techniques.
- To impart knowledge on machine learning techniques to be applied in real-world applications.
- To understand IoT concepts, underlying technologies, and migration of M2M to IoT and analyze the various features of IoT standard protocols and platforms.

Programme Outcomes

Upon completion of the Short Term Training Programme, the participants will be able to

- Provide solution methodology with respect to Industry 4.0 requirements for the undertaken energy projects.
- Aware of the Cyber Security attacks and mitigation techniques.
- Know how to process massive amounts of data that are available both in structured and unstructured forms and how to analyze those data in an iterative, as well as in a time-sensitive manner.
- Able to use the cloud platforms and interface IoT with cloud platforms.
- Classify the data using Big data techniques and capture the data through IoT devices and store on cloud for further processing.

Who can attend ?
- ☐ Students from all branches of Engineering, Arts & Science
- ☐ Research Scholars
- ☐ Faculty Members
- ☐ Industry Persons

Registration

Registration Fee: **Rs.500/-**

Account Details
Account Name : Registrar,
B.S.Abdur Rahman Crescent Institute of Science and Technology
Account Number : 165702000000440
Account Type : Current Account
IFSC : IOBA0001657
Bank Name : Indian Overseas Bank
Branch Name : Vandalur

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Scan or click on the QR Code

Resource Persons
Industry Professionals and Academicians from reputed organizations.

SCIMS Web link