CHIEF PATRON

Dr. A. C. Shanmugam,
B.A.LLB,FIMSA,FRCPS(Glasgow, UK)
Founder Chancellor & Chairman,
RajaRajeswari Group of Institutions

CO-PATRON

Er. A. C. S. Arun Kumar,
B.Tech (Hons)., LMISTE.,MIET.,(UK)., LMCSI.,
President, RajaRajeswari Group of Institutions

PATRONS

Dr. S. Vijayanand, M.Tech., Ph.D,
Executive Director,RRGI
Sri.C.N Seetharam., IAS (Rtd),
Chief Executive Officer, RRGI
Prof. Dr. S.Jeyabalan., M.E., MBA, Ph.D,
Special Officer, RRGI
Dr. T.R. Gopalakrishnan Nair, Ph.D,
Rector, RRGI

CHIEF CONVENER

Dr. M. S. Murali, Ph.D,
Principal, ACSCE

PROGRAMME COORDINATOR

Dr. H.B.Bhuvaneswari,
Professor & Head, ECE, ACSCE

ORGANIZING TEAM

Dr. A.M. Prasannakumar,
Professor, ECE, ACSCE
Mrs. Bharathi Gururaj,
Assistant Professor, ECE, ACSCE
Mr. Nagesh. H. B,
Assistant Professor, ECE, ACSCE
Mrs. Vijaya Dalawai,
Assistant Professor, ECE, ACSCE
Mr. Prajit Prakash Nair,
Assistant Professor, ECE ACSCE

WHO CAN ATTEND

Faculty members from AICTE approved Institutions and Industry Persons (limited to 4 only)

REGISTRATION

No registration fee. The total seats are limited to 40 and the participants will be selected on First Come First Serve basis. **"E-Certificates"** will be issued to the registered participants upon successful completion of the programme.

HOW TO APPLY

The interested participants can register at
https://forms.gle/yrhX33SKMPRV4fxS9

on or before 14th Oct 2020. The selected participants will be intimated on or before 16th Oct 2020.

PLATFORMS

Microsoft Teams   zoom   Google Meet

For any Clarifications / Registrations Please contact

Prof. Bharathi Gururaj
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Email id: bharathigururaj@gmail.com

Prof. Prajith Prakash Nair
Mob: 7994559958
Email id: ppnair86@gmail.com

ACS COLLEGE OF ENGINEERING

#207, Kambipura, Mysore Road, Bengaluru-74
Approved by AICTE, New Delhi, Affiliated to VTU, Belagavi and Approved by Govt. of Karnataka
Website: www.acsce.edu.in

6 Days Short Term Training Programme on

INDUSTRY 4.0-Fourth Industrial Revolution

19th to 24th October 2020

Sponsored by

AICTE

Organized by

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ABOUT ACSCE

ACS College of Engineering (ACSCE) was established in 2009, under the banner of Moogambigai Educational and Charitable Trust which was founded by Dr.A.C.Shanmugam., ACSCE is approved by AICTE New Delhi, Government of Karnataka, and affiliated to VTU Belagavi. Happy to inform that we are NAAC accredited with 'A' grade for all programs and NBA accredited for our program. The institute offers UG , PG & Ph.D Courses in all major fields of Engineering. The institute is also actively engaged in heading Various Research Projects and other Development Activities which is supported by Branches like Aeronautical Engineering, Aerospace Engineering, Bio-Medical Engineering, Civil Engineering, Computer Science and Engineering, Electronics and Communication Engineering and Mechanical Engineering.

ABOUT ECE DEPARTMENT

The Department was started in 2009 with an intake of 60. The Department offers UG, PG and Ph.D programmes. The Department of Electronics and Communication Engineering is accredited by NBA and NAAC with 'A' grade. The Department has an outstanding track record and has consistently intended to create Electronics & Communication Engineering graduates of exceptional quality and caliber. The Department has highly qualified, experienced and committed faculty members. The Department is self - sustained with State of Art laboratories, software and volumes of books.

ABOUT THE STTP

Fourth industrial revolution -Industry 4.0 is a blend of advanced analytics, Big Data, Robotics & Automation, Artificial Intelligence, Internet of Things and Process Digitization. Industry 4.0 plays an important role in manufacturing and engineering sectors, automotive and process industries, as well as the electronics and electrical systems along with information and communications industries. A Technology that aims on interconnectivity, automation, machine learning, and real-time monitoring among the machines and processes.

The fourth industrial revolution plays an important role in making long-term manufacturing efficiency possible. The industrial sector is required to produce ever larger quantities using fewer raw materials and less energy. Industry 4.0 will help companies create efficient manufacturing processes with increased production, energy and resource efficiency. The fourth industrial revolution has been characterised by the increasing digitization and interconnection of products, value chains and business models.
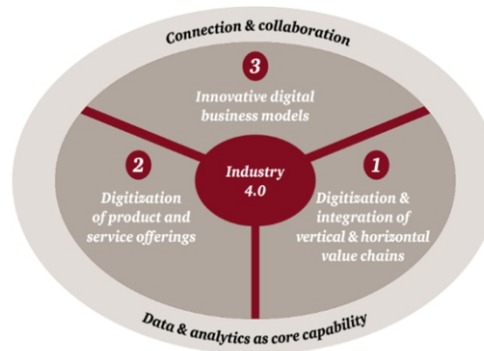
Digitization is finding its way into horizontal as well as vertical value chains to an equal extent. Digitization and greater connectivity in process organisation may permit areas of work to be rationalised and may yield gains in productivity. The intelligent analysis and integrated use of data for controlling purposes also reduces the rejection rate in production.

OBJECTIVE OF STTP

The main objective of conducting STTP is to fill the gap between industry and academics and to transfer knowledge by imparting quality training (Both theory and Hands on) to participants. The course will be handled by industry experts from top companies.

RESOURCE PERSONS

- **Jagadeesh Maiya,** President - Engineering Endurance International Group, Bangalore.
- **Mr. Yash N N,** Global Technical Marketing Leader,Aruba,a Hewlett Packard Enterprise Company.
- **Mr. Kalyan Ram B,** CEO, Electrono Solutions.
- **Dr.M.A.Kumar**., Industry Principal, Infosys.
- **Mr. Mallikarjun Sharma,** Chief IT Architect,Electrono Solutions.
- **Mr. Lux Rao,** Senior Director & Head – Solutions, NTT India
- **Mr.Anish Pandari,** Product Development Head, Electrono Solutions
- **Mr.Sreekanth B Aradhya,** Chief Expert, Robert Bosch Engineering & Business Solutions Pvt. Ltd. Bengaluru.
- **S.ArunKuamr,** Research Director, Electrono Solutions.

TOPIC OF THE SESSIONS (Theory & Hands on Sessions)

- Challenges of implementing 4.0 mainly from social and Organizational Perspective.
- Human Challenges for making a smooth transition to 4.0 & beyond.
- Digital Transformation 3.0 to 4.0.
  a) Introduction to Industry 4.0.
  b) Digital Transformation from Industry 3.0 to 4.0 .
  c) Challenges and Digital Solution of Industry 1.0, 2.0, 3.0.
  d) Summary of Industry 4.0, Practical Use cases 4.0 and beyond.
- Need for Industry 4.0, Industry 4.0 Adoption across Various Sectors.
- Industry 4.0 and Opportunities in Health care.
- Data Validation & Analytics.
- Industry 4.0 across 3 domains:
  a) "The Origin" - Evolution of industry to its current state of 4.0.
  b) "The Applicability" - Application of technology in the Industry – Use cases.
  c) "Keeping it Real"- Experiential knowledge with real life case studies.
- Key trending technologies and their cases for Industry 4.0 - AR/VR, 5G, Block chain, etc.
- Along with Hands on session using Cloud software central.(four afternoon sessions).