

#### Organizing committee:

##### Chairman:

H H Baselios Marthoma Paulose II

##### Manager:

H G Zachariah Mar Antonios Metropolitan

##### Administrator:

Rev. Fr. Thomas Varghese

##### Vice principal:

Prof. Oommen Samuel

##### Convenors:

Dr. L. Padma Suresh

Principal

Mr. Arun Baby Zacharia

Dean(Quality Assurance)

##### Co-ordinators:

Mrs. Princy Sera Rajan, Asst Professor ECE

Mrs. Juby Mary Abraham, Asst Professor, Department of

computer science and engineering

##### Registration

Link: <https://forms.gle/veUbfMVmvYTrDQPe7>

Online session details will be communicated to the registered participants through email. Registration is free. E-Certificate will be issued to those participants who attend all the sessions.

##### Contact Details:

Mrs. Princy Sera Rajan, Assi. Prof., ECE: 9447706714

Mrs. Juby Mary Abraham: 9048401541

Email: [bmcfdp2k21@gmail.com](mailto:bmcfdp2k21@gmail.com)



## About the institution

Baselios Mathews II College of Engineering (BMCE) is named after its founder, the late H H Moran Mar Baselios Marthoma Mathews II, the sixth Catholicos of the East and the Malankara Metropolitan of Malankara Orthodox Church. He was also the first Chairman of the institution. This renowned college is managed by Dr. C T Eapen Trust under Malankara Orthodox Syrian Church. The institution started functioning in 2002 with the monumental objective of promoting academic excellence and competence in students, especially in the fast-growing global domain of Engineering and Technology. Located in the picturesquely beautiful Muthupilakadu in Sasthamcotta in the Kollam district of Kerala, the college stands out for its magnificent buildings and ultra-modern infrastructure; a fascinating blend of architectural excellence and functional values.

The college is affiliated to A P J Abdul Kalam Technological University and is approved by the All India Council for Technical Education, New Delhi. Presently the institution offers five B.Tech courses (CE, CSE, ECE, EEE and ME) and one M.Tech course (CSE).

#### FDP Platform:



## BASELIOS MATHEWS II COLLEGE OF ENGINEERING

(Accredited with grade B+ by NAAC)  
Muthupilakadu, Sasthamcotta, Kollam – 690520

### One Week Multidisciplinary Faculty Development Programme (ONLINE)

### On “Skill sets requirements and research opportunities in Industrial Revolution 4.0”

26<sup>TH</sup> - 30 APRIL 2021

Sponsored by



## About the Program

The main objective of conducting this Online FDP is to address Skill sets requirements and research opportunities in Industrial Revolution 4.0. Industry 4.0, commonly referred to as the fourth industrial revolution is a blend of advanced analytics, Big Data, Robotics & Automation, Artificial Intelligence, Internet of Things and Process Digitization across the business value chain. This FDP is devoted to address the need to enhance the knowledge about relevant topics/issues in this area. This program will also equip the participants with the development of 3D printing, IOT and robotics. This means tools can be created as needed, more affordably, and closer to the source of requirement. The ultimate goal of this program is to improve the quality of Technical Education and reduce the gap between academics and industry via expert lectures led by academicians and practitioners from premier institutions and organizations. This FDP is organized by IQAC, BMCE and financially sponsored by APJ Abdul Kalam Technological University, Thiruvananthapuram.



**Eligibility for Admission:** The programme is intended for faculty members of any specialization from Engineering colleges affiliated to APJ Abdul Kalam Technological University.

#### Topics to be covered:

- Big Data Classification using Machine Learning Algorithms
- 3D Printing in Medicine
- Industrial Revolution 4.0, Real-Time and Artificial Intelligence
- Role of Robotics in Industrial Revolution 4.0
- Nature inspired CPS
- Smart Sensors
- Additive Manufacturing: A Key Technology in Industrial Revolution 4.0
- Big Data Analysis
- Leveraging of Cloud-based Information Systems with Industrial Revolution 4.0
- Importance of IoT at present technology
- Role of Big Data Analysis in IoT
- Introduction to Deep Learning for Computer Vision



“The Fourth Industrial Revolution is not just about technology or business. It's about society.”

Joe Kaeser  
President and Chief Executive Officer, Siemens AG



#### Resource Persons:

- Dr. Saroj Kr. Biswas, Assistant Professor, Department of Computer Science & Engineering, NIT Silchar
- Dr. Falguni Pati, Associate Professor, Department of Bio-medical Engineering, IIT Hyderabad
- Dr. Syed Abdul Rahman Al – Haddad, Department of Computer and Communication System Engineering, University Putra Malaysia, Malaysia
- Dr. Vijay Kumar Datta, Assistant Professor, Mechanical Engineering Department, NIT Jamshedpur
- Dr. Shivashankar B. Nair, Professor, CSE Department, IIT Guwahati
- Dr. A Albert Raj, Professor, Sri Krishna College of Engineering & Technology, Coimbatore
- Dr. Y. RAVI KUMAR, Associate Professor Dept. of Mechanical Engineering, NIT Warangal
- Dr. B. Prabavathy, Associate Professor, Department of CSE, SSN College of Engineering, Kalavakkam
- Prof. Ts. Dr. Rusli bin Hj Abdullah, Dean, Faculty of Computer Science and Information Technology, Universiti Putra Malaysia
- Dr. Manjaiah D.H, Professor, Department of Computer Science, MANGALORE UNIVERSITY
- Dr Dheeba Jacob, Associate Professor, VIT, Vellore
- Prof. Nithin Prince John, Assistant Professor, Saintgits College of Engineering