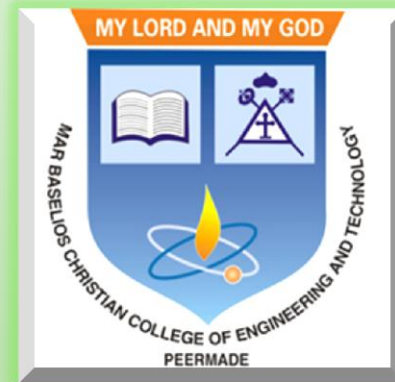


# Mar Baselios Christian College of Engineering & Technology, Kuttikkanam, Peermade



**STRATEGIC PLAN**

**2017-2022**

# VISION

---

An Engineering institute with global quality standards to groom competent engineers equipped to address the changing needs of society.

# MISSION

---

Our efforts are dedicated for developing a learner centric education environment to

- Provide value based technical learning
- Inspire real world problem solving
- Foster team work in engineering design
- Inspire innovations and R & D

# Strategic Directions

---



- Enrich Curriculum
- Accreditation

- Industry Institute Interaction
- Consultancy and Entrepreneurship activities
- Research and Innovations

- Upgradation of Faculty qualifications and professional capabilities
- Learning Resources & Campus Infrastructure

- Residential facilities Inside campus
- Social Responsibilities and Green Initiatives

# Enrich Curriculum

---

2017-2018

- Establish course objectives and specific course outcomes for each courses within one year.
- Develop and Implement Outcome Based Learning (OBL)
- Enhance the curriculum delivery through beyond syllabus activities such as industrial visits, technical invited talks, internships, industry projects, experimental learning
- Increase the diversity of the student body to provide a robust learning environment.

# Enrich Curriculum

---

2019-2022

- Establishment of a career oriented center to train the students for participation in GATE and other competitive exams.
- Identify and implement skill development programs in advanced technological domain both for students and faculty.
- Increase doctoral student research engagement.
- Encourage student and faculty exchange programs adopting the institution for dual degree and collaborative research.

# Accreditation

---

2018-2019

**NAAC Accreditation**

2020-2021

**NBA Accreditation**

2021-2022

**International Accreditation**

# Industry Institute Interaction, Consultancy and Entrepreneurship Activities

---

2017-2018

- ▶ Enhance collaborations with industry in terms of consultancy, sponsored research projects and technology transfer.
- ▶ Constitute a Centre for innovative Technology and Entrepreneurship (CiTE) to foster innovation driven entrepreneurship among the faculty and students through mentoring and training.

2019-2020

- ▶ Develop Intellectual Property Rights (IPR) cell in association with Kerala State Council for Science, Technology & Environment (KSCSTE) and Patent information centre government of Kerala.
- ▶ Set up an Institution Innovation council (IIC) as per the norms of MHRD's innovation cell in the 2019-20 academic year.



# Industry Institute Interaction, Consultancy and Entrepreneurship activities

---

2019-2022

- ▶ Establish productive partnership between industry/ reputed organizations/ academic institutes for consultancy and internships through MoUs.
- ▶ Form a Technology Incubation Centre to explore and implement the innovative ideas into a commercially viable product through technology start-up companies.
- ▶ Expand sources of global funding through global initiatives.

# Research and Innovations

---

2017-2018

- ▶ Initiate a Centre for Research initiatives in Science and Engineering (CRiSE) for promoting research activities in the institute.
- ▶ Sponsorship to faculty to encourage participation in research activities on and off campus
- ▶ Promote research funding proposals

2018-2019

- ▶ Organise National and International Conferences every year to provide a platform for research scholars to meet, networking and knowledge sharing.
- ▶ **Incentives for Faculty who publish** Scopus indexed/ SCI journal
- ▶ Establish Code of ethics

# Research and Innovations

---

2019-2022

- ▶ Start Internet of Things (IOT) Research lab.
- ▶ Setting up Water quality testing lab .
- ▶ Developing the sponsored research through minor research proposals.
- ▶ Purchase of **Plagiarism software's** and purchasing of journals to ensure the quality to research publications.
- ▶ Registration of alumni association.

# Upgradation of Faculty qualifications and professional capabilities

---

2017-2019

- ▶ Encourage and support faculty members to complete their higher studies.
- ▶ Increasing the number of FDPs and STTPs
- ▶ Reduce faculty teaching loads.

2019-2022

- ▶ Providing financial support to membership in various professional bodies related to their specialisation
- ▶ Motivate and support faculty members towards participation in NPTEL and Swayam courses and to get training through MOOCs.

# Learning Resources & Campus Infrastructure

---

2017-2020

- ▶ Implement web based e-learning centre.
- ▶ Extend the number of technical and management books, journals and e-journals to strengthen the Institute library.
- ▶ Provide online research databases for students

2020-2022

- ▶ Enhance laboratory facilities to meet the research and consultancy requirements.
- ▶ Improve institute infrastructure to accommodate development in research and technology.

# Residential facilities Inside campus

---

2017-2022

- ▶ Improve the campus ambience through proper beautification and maintaining greenery.
- ▶ **Develop Zero waste campus and energy efficient systems.**
- ▶ **Increase the waste disposal and treatment facilities.**
- ▶ Establish facilities for e-waste collection and plastic shredding unit.
- ▶ Maintain the existing infrastructure meeting the standards of safety and cleanliness

# Social Responsibilities and Green Initiatives

- ▶ Encourage faculty and students to effectively participate in various societal activities.
- ▶ Conduct social service activities to build the perspective and to create awareness among faculty and students about the needs and issues of the society.
- ▶ Organise activities to encourage and facilitate continuation of education to those students from rural areas and weak sections.
- ▶ Engage with state and local organizations to improve the lives of backward and rural areas
- ▶ Strengthen on-campus collaborative grant opportunities.
- ▶ Carry out community activities to improve the quality of life for the region through outreach activities.
- ▶ Intensify the involvement of students in green campus initiatives & waste management.

2017-2022