



**C H Mohammed Koya**  
**K M E A Engineering College**  
**A NAAC Accredited Institution**

(Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University)

No: E/179/KMEA/2021

15/3/2021

From

The Principal

To

The Registrar  
APJ Abdul Kalam Technological University  
Thiruvananthapuram

Respected Sir/ Madam,

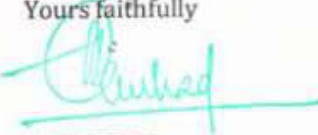
Sub: Suggestions for modifications in B Tech Curriculum.

KTU curriculum and syllabus has covered all Programme Outcomes (PO) by introducing subjects like Life Skills, Professional Communication, Design & Engineering, Professional Ethics, Economics, Management, etc.

KMEA Engineering College is hereby forwarding the following suggestions to improve the present curriculum:

1. "English Language Lab" may be introduced as a practical course for first semester students.
2. "Electrical CAD" may be included in the final year curriculum of Electrical & Electronics Engineering.
3. Life skills for Engineers covers major topics but "Coping with failure", "Time Management" and "How to manage Finance efficiently" may be added, which is essential for engineering students.
4. Disaster Management may include "Engineering Disasters and the right approach" as a topic to help engineering students while they work on their future projects.
5. "Database Connectivity" in Module 5 of Object Oriented Programming using JAVA cannot be grasped by students in the third semester. It may be included in Database management Systems in Fourth Semester Computer Science and Engineering program.
6. Sustainable Engineering may include "e-waste management" as a topic to make students aware of this major issue in the current scenario.

Thanking you  
Yours faithfully

  
PRINCIPAL



# KMEA ENGINEERING COLLEGE

## SUGGESTIONS REGARDING CURRICULAM FROM STAKEHOLDERS

From

Sanjay Menon

Director

Emvigo Technologies Pvt Ltd

To

The Head of the Department

Computer Science and Engineering Department

KMEA Engineering College

Aluva

Sub:- Proposal for the inclusion of few advanced technologies in curriculum

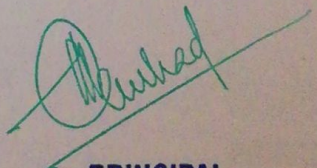
Sir,

As per your request I had gone through the curriculum shared with me and would like to suggest few points that can be incorporated so that it meets the needs of the industry .

1. Python
2. React.JS
3. Node.JS
4. React Native (Mobility)
5. Flutter (Mobility)

Regards

Sanjay Menon

  
**PRINCIPAL**  
KMEA ENGINEERING COLLEGE  
EDATHALA-683561





# KMEA ENGINEERING COLLEGE

## SUGGESTIONS REGARDING CURRICULAM FROM STAKEHOLDERS

From

Renjith Sadasivan Nair

Principal Engineer,

EAB Global Inc.

Washington DC, USA

To

The Head of the Department

Computer Science and Engineering Department

KMEA Engineering College

Aluva

Sub:- Proposal for the inclusion of few advanced technologies in curriculum

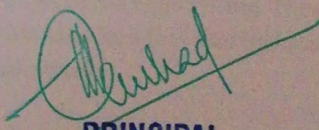
Sir,

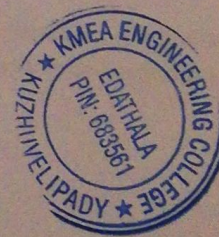
As per your request I had gone through the curriculum shared with me and would like to suggest few points that can be incorporated so that it meets the needs of the industry .

1. Introduction to ETL technology and Business intelligence
2. Big Data Concepts, Theories, and Applications
3. Cloud computing

Regards

Renjith Sadasivan Nair

  
**PRINCIPAL**  
KMEA ENGINEERING COLLEGE  
EDATHALA-683561





# KMEA ENGINEERING COLLEGE

## SUGGESTIONS REGARDING CURRICULAM FROM STAKEHOLDERS

From,

Azeem Salim Anchamparuthi,  
Senior Cloud Architecture Specialist,  
Qatar Foundation, Doha, Qatar

To

The Head of the Department  
Computer Science and Engineering Department  
KMEA Engineering College  
Aluva

Sub: - Proposal for the inclusion of few topics in curriculum

Sir,

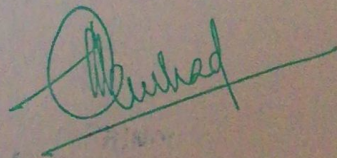
As you requested, I have gone through the curriculum shared with me. I would like to suggest a few points that can be incorporated into it so that it meets the needs of the industry.

1. Software security. Allows the student to understand and learn techniques that will allow them to assess, mitigate, and protect software systems from vulnerabilities.
2. Develop secure software. The major goal is to identify flaws and defects as early as possible.

Software security is vital in the field of software engineering. These techniques ensure that software continues to function and are safe from attacks. I feel that including security in the syllabus is critical as we live in a world of frequent cyber-attacks.

Regards

Azeem Salim Anchamparuthi



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C.H. MOHAMMED KOYA

**KMEA ENGINEERING COLLEGE**

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## REPORT ON STUDENT'S FEEDBACK

Questions connected to syllabus and curriculum were given to students.

Most of the students find the syllabus tough/vast. Students find the syllabus relevant in the current scenario. They feel that all syllabus are not industry oriented. They find the curriculum encouraging them to be entrepreneurs. The students feel that the current syllabus provides them with the opportunity for on job training.

Student's feedback clearly shows that they are satisfied with the syllabus and curriculum. The students are being encouraged to bring out their innovative ideas and are provided with opportunities to become entrepreneurs. Many students are developing their innovative ideas to begin start ups. The industry oriented syllabus helps the students to become more employable by attending training and internships.

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## REPORT ON FACULTY FEEDBACK

Questions connected to syllabus and curriculum were given to faculty.

Most of the faculty are able to complete six modules in the stipulated time by proper time management but in some subjects it is not possible to complete the syllabus on time. Many faculty feel that pre-requisites are not satisfied for all subjects. Some faculty feel that the syllabus is not industry oriented. Many faculty find the syllabus and curriculum encouraging their students to engage in extracurricular activities.

Faculty feedback clearly shows that some modifications are required with the syllabus and curriculum, regarding many old topics and prerequisites. The faculty are happy that students are being encouraged to participate in extra activities with their subjects.

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## REPORT ON ALUMNI FEEDBACK

Questions connected to syllabus and curriculum were given to Alumni.

Most of the alumni do not find the syllabus creating mental stress but they commented on some shortcomings of the current curriculum. They feel that the syllabus is not upto the employability with the current scenario. They find the syllabus and curriculum encouraging them to engage in innovative thinking.

Alumni feedback clearly shows that they are satisfied but suggested some changes with the syllabus and curriculum . Then they are able to properly manage time and complete their portions. They support students to bring out their innovative ideas and are provided with opportunities to become entrepreneurs. They are satisfied with the help given to the students to become more employable by attending training and internships.

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