

**K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM – 630 612**  
**(An Autonomous Institution, Affiliated to Anna University, Chennai)**

Agenda for First Academic Council Meeting to be held on 26<sup>th</sup> September 2020  
(Saturday) through online mode @ 2:00 PM.

1. Welcome Address & Brief about the activities of the College
2. Presentation of Regulations 2020 for B.E/B.Tech, M.E, MBA and MCA Degree Programmes to be followed from the Academic Year 2020-2021
3. Presentation of syllabus of the courses offered by S& H Departments during I & II semesters
4. Presentation of curriculum of I to VIII semesters of all B.E/B.Tech programs (R2020) and syllabus of the courses pertaining to the department concerned during I & II sem
5. Presentation of curriculum of I to IV Semesters and the syllabus of I and II semester of all PG Degree Programmes
6. Approval of the End Semester Examination procedures and Evaluation System
7. Proposal for the start of following new UG programmes
  - B.Tech. - Artificial Intelligence and Data science
  - B.E.- Electrical and Computer Engineering
8. Any other points of common interest



**Chairperson / Academic Council**

**K.L.N. COLLEGE OF ENGINEERING, POTTAPALAYAM - 630 612.**





(An Autonomous Institution, Affiliated to Anna University, Chennai)

Ref.: KLNCE/Autonomous/Academic Council/ 2020







29.09.2020





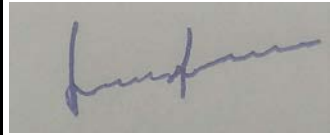


Minutes of the first Academic Council meeting held on 26 September 2020 through online mode.



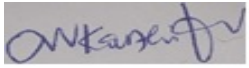
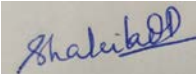

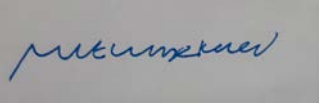


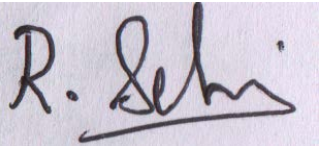
Zoom Meeting ID: 5897343816, Pass code: 20TBTj, Date: 26.9.2020 (Saturday) @ 2:00 PM

<b>MEMBERS PRESENT</b>			
<b>S. No.</b>	<b>Name of the member</b>	<b>Category</b>	<b>Signature</b>
1.	<b>Dr.A.V.Ramprasad</b> , Principal	Chairperson	
2.	<b>Dr.Rames Chandra Panda</b> Sr. Principal Scientist, Honorary faculty, Anna University, Chemical Engineering, CSIR - Central Leather Research Laboratory, Chennai – 600 020.	Anna University Nominee	
3.	<b>Dr.K.Sundareswaran</b> Senior Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli – 620 015.	Anna University Nominee	
4.	<b>Dr.Sishaj P Simon</b> Associate Professor, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli – 620 015.	Anna University Nominee	

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5.	<b>Dr.P.Asokan</b> Professor HAG, Department of Production Engineering, National Institute of Technology, Tiruchirappalli – 620 015.	Academician	
6.	<b>Dr. A. Antony Franklin</b> Associate Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Hyderabad – 502 285.	Academician	
7.	<b>Dr. M.Manohar</b> Deputy General Manager, Booster Hardware Fabrication Facilities (Materials & Mechanical Entity) Vikram Sarabhai Space Centre, Department of Space, Government of India, ISRO, Thiruvananthapuram – 695 022.	Research Organization	
8.	<b>Dr.S.J.Thiruvengadam</b> Professor and Dean (Academic Process), Thiagarajar College of Engineering, Madurai – 625 015.	Academician	
9.	<b>Mr. S.M. Manikandan</b> Chief Operating Officer, M/s. Aparajitha Software Services Pvt Ltd., Madurai – 625 002.	Industrialist	
10.	<b>Dr.P.Udhaya Kumar</b>	Chairman BoS / Department of Mechanical Engineering	

11.	<b>Dr.S.M.Kannan</b>	Member Secretary & Chairman BoS / Department of Electrical and Electronics Engineering	
12.	<b>Dr.V.Kejalakshmi</b>	Chairman BoS / Department of Electronics and Communication Engineering	
13.	<b>Dr.P.R.Vijayalakshmi</b>	Chairman BoS / Department of Computer Science and Engineering	
14.	<b>Dr.R.Alageswaran</b>	Chairman BoS / Department of Information Technology	
15.	<b>Dr.R.M.Satheesh Kumar</b>	Chairman BoS / Department of Automobile Engineering	
16.	<b>Prof.S.Nagammai</b>	Chairman BoS / Department of Electronics and Instrumentation Engineering	
17.	<b>Dr.T.Jothimurugan</b>	Chairman BoS / Department of Management Studies	

18.	<b>Dr.MR.Ilango</b>	Chairman BoS / Department of Master of Computer Applications	
19.	<b>Dr.J.K.Subhashini</b>	Chairman BoS / Science and Humanities	
20.	<b>Prof.N.V.Karthikeyan</b>	HOD / Physics	
21.	<b>Prof. O.D. Shakila</b>	HOD / Chemistry	
22.	<b>Dr.A.Raviekkumar</b>	HOD / English	
23.	<b>Dr.M.R.Thansekhar</b>	Professor / Mechanical Engineering	
24.	<b>Dr.M.Raghini</b>	Associate Professor / Computer Science and Engineering	
25.	<b>Prof.T.R.Muthu</b>	Assistant Professor / Electronics and Communication Engineering	
26.	<b>Dr.R.Selvarani</b>	Associate Professor / Mathematics	

## **Minutes of Academic Council Meeting**

### **I. Introduction:**

The first Academic Council meeting was held on 26<sup>th</sup> September 2020 through online mode. Dr. A.V. Ramprasad, Chairperson, Academic Council, K.L.N. College of Engineering welcomed & introduced the Anna University nominees, Experts and internal members. The Chairman, Board of Studies of various departments introduced themselves. The Chairperson gave a brief introduction of the College Management Committee members. The institution is NAAC accredited, and Autonomous status granted by UGC for the period of 10 years from 2020-2021 onwards, he added.

The Chairperson informed that the college was started in the year 1994, presently having seven Undergraduate B.E./B.Tech Degree programmes, permanently affiliated to Anna University, Chennai. The programmes are B.E. - Mechanical Engineering (Accredited by NBA), Electrical and Electronics Engineering (Accredited by NBA), Electronics and Communication Engineering (Accredited by NBA), Computer Science and Engineering (Accredited by NBA), Automobile Engineering, Electronics and Instrumentation Engineering and B.Tech - Information Technology (Accredited by NBA).

The five PG programmes offered are MBA, MCA, M.E (Power Systems Engineering), M.E (Communication Systems) and M.E (Computer Science and Engineering with Specialization in Networks). Anna University recognized Research Centre for pursuing Doctoral Programmes are offered in the departments of EEE, ECE and IT.

The Chairperson informed that the college received Rs. 5.0 crores from AICTE, DST towards carrying out various research projects, conduct of FDP, workshops and thanked funding agencies for the continuous support towards the development of the Teaching community and Educational system.

The Chairperson briefed about the functioning of IQAC through quality circles, IIPC, IPC and other academic support units towards the achievement of the vision and mission of the institution. The Chairperson briefed the profile of the college, infrastructural details, other academic activities such as industrial visit, student internship, placement, extracurricular activities, co-curricular activities, consultancy, projects provided to society, external sponsors, distinctiveness of KLNCE, Exam Management Cell and finally the milestones of KLNCE.

## **II. ACM 01.01: Business brought forwarded by the Chairperson, Academic Council:**

To consider and approve the Regulations-2020 for B.E/B.Tech, M.E, MBA and MCA Degree Programmes to be followed from the Academic Year 2020-2021.

The Chairperson presented the drafted Regulations 2020 UG and PG programmes, framed as per the guidelines of AICTE, UGC and Anna University for kind perusal and approval. Also, the chairperson highlighted the distinct features of Regulations 2020. The drafted Regulations describe the programmes offered with the total number of courses per semester. The assignment of credits was presented in detail. The grading system for value added courses, industrial training and online courses with a minimum of 8 weeks were mentioned. The Chairperson informed that the students may be permitted to credit approved online courses instead of elective courses.

The system of evaluation includes 30% for internal assessment and 70% for End Semester Examinations, with passing minimum of 50 marks (internal and external put together) and passing minimum of 50% in End Semester Examinations. Internal assessment marks are valid for three consecutive semesters. The theory with laboratory components has been included in the new curriculum. The assessment is 60% for theory component and 40% for laboratory component.

The norms of Anna University with regard to minimum attendance prescribed for permitting students to appear for End Semester Examinations and classification criteria for the award of degree are adhered.

Eligibility for award of Ranks to students: Top 5% of students enrolled in each programme with CGPA of 8.0 and above.

The following are the suggestions given by the members for the draft Regulations 2020 UG & PG.

- i. To prefer the NPTEL online courses with a minimum 8 weeks duration.
- ii. To award rank to the students, the eligibility is first class with distinction.

Resolved to Approve the Regulations-2020 for B.E/B.Tech, M.E, MBA and MCA Degree Programmes to be followed from the Academic Year 2020-2021 with the suggestions incorporated.

### **III. ACM 01.02: Business brought forwarded by the Board of Studies:**

#### **ACM 01.02.01 - Department of Science and Humanities**

To consider and approve the Curriculum and syllabi of I & II semester B.E / B.Tech Degree Programmes to be followed from the Academic Year 2020-2021 as passed in the BOS meeting held on 31.08.2020.

Resolved to Approve the Curriculum and syllabi of I & II semester B.E / B.Tech Degree Programmes to be followed from the Academic Year 2020-2021.

#### **ACM 01.02.02 - Department of Mechanical Engineering**

To consider and approve,

- i. The syllabus of the courses offered by the Department of Mechanical Engineering in the I & II semester of B.E / B.Tech Degree Programmes to be followed from the Academic Year 2020-2021.
- ii. The Curriculum of III to VIII semesters B.E. Mechanical Engineering Degree Programme.

as passed in the BOS meeting held on 18.08.2020.

The members suggested to include more number of courses in open electives.

Resolved to Approve the above for B.E. Mechanical Engineering Degree Programme.

#### **ACM 01.02.03 - Department of Electrical and Electronics Engineering**

To consider and approve

- i. The syllabus of the courses offered by the Department of Electrical and Electronics Engineering in the I & II semester to be followed from the Academic Year 2020-2021.
- ii. The Curriculum of III to VIII semesters B.E. Electrical and Electronics Engineering Degree Programme.
- iii. The Curriculum of I to IV Semesters and the syllabus of I and II semester of M.E. (Power Systems Engineering) Degree Programme

as passed in the BOS meeting held on 10.08.2020.

The members suggested including theory cum laboratory components in simulation based laboratory courses.

For M.E. (Power Systems Engineering) Programme, III semester can have maximum three theory courses.

Resolved to Approve the above for B.E. Electrical and Electronics Engineering and M.E. (Power Systems Engineering) Degree Programmes.

#### **ACM 01.02.04 - Department of Electronics and Communication Engineering**

To consider and approve

- i. The syllabus of the courses offered by the Department of Electronics and Communication Engineering in the II semester to be followed from the Academic Year 2020-2021.
- ii. The Curriculum of III to VIII semesters B.E. Electronics and Communication Engineering Degree Programme.
- iii. The Curriculum of I to IV Semesters and the syllabus of I and II semester of M.E. (Communication Systems) Degree Programme.

as passed in the BOS meeting held on 07.08.2020.

The Department of Electronics and Communication Engineering can implement the following.

- One tutorial period may be included for the theory course Signals and Systems offered in III semester.
- The prerequisite has to be ensured while framing the syllabus for the course Analog and Digital Communication Techniques.
- The laboratory courses with PC and EEC category have been given the same credits. The syllabus content needs to be ensured for the assigned credits.
- The Machine Learning Techniques course can be changed as a Theory cum Laboratory course.

For M.E. (Communication Systems), the title of some of the courses may be changed.

Resolved to Approve the above for B.E. Electronics and Communication Engineering and M.E. (Communication Systems) Degree Programmes.

#### **ACM 01.02.05 - Department of Computer Science and Engineering**

To consider and approve

- i. The syllabus of the courses offered by the Department of Computer Science and Engineering in the I and II semester to be followed from the Academic Year 2020-2021.
- ii. The Curriculum of III to VIII semesters B.E Computer Science and Engineering Degree Programme.

as passed in the BOS meeting held on 15.08.2020.

The members suggested to change Network Management and Security Laboratory course as Networks Laboratory and also to offer in the same semester along with related theory courses.

Resolved to Approve the above for B.E. Computer Science and Engineering Degree Programme.

### **ACM 01.02.06 - Department of Information Technology**

To consider and approve

- i. The Curriculum of III to VIII semesters B.Tech. Information Technology Degree Programme.
- ii. The Curriculum of I to IV Semesters and the syllabus of I and II semester of M.E. (Computer Science and Engineering with Specialization in Networks) Degree Programme.

as passed in the BOS meeting held on 17.08.2020.

The members suggested to change Artificial Intelligence and Machine Learning theory course offered in the sixth semester as a Theory cum Laboratory course. Also, the Machine Learning theory course can be offered in the same semester for CSE, IT and ECE.

For M.E. (Computer Science and Engineering with Specialization in Networks), open elective can be included in III semester. For the courses like Internet of Things and Machine Learning, the title of the courses may be changed with additional content in the syllabus, as these courses are offered in UG and PG programmes.

Resolved to Approve the above for B.Tech. Information Technology and M.E. (Computer Science and Engineering with Specialization in Networks) Degree Programmes.

### **ACM 01.02.07 - Department of Automobile Engineering**

To consider and approve the Curriculum of III to VIII semesters B.E. Automobile Engineering Degree Programme as passed in the BOS meeting held on 20.08.2020.

The members suggested to offer more courses on modern automobile technologies such as IoT, Communication Vehicles, and Autonomous Vehicles. The content of the Electrical Vehicles course should be verified with the course on Electrical Vehicles offered by the Department of Electrical and Electronics Engineering.

Resolved to Approve the Curriculum of III to VIII semesters B.E. Automobile Engineering Degree Programme.

### **ACM 01.02.08 - Department of Electronics and Instrumentation Engineering**

To consider and approve the Curriculum of III to VIII semesters B.E. Electronics and Instrumentation Engineering Degree Programmes passed in the BOS meeting held on 19.09.2020.

The members suggested to offer Theory cum Laboratory courses.

Resolved to Approve the Curriculum of III to VIII semesters B.E. Electronics and Instrumentation Engineering Degree Programme.

#### **ACM 01.02.09 - Department of Master of Computer Applications**

To consider and approve the Curriculum of I to IV Semester and the syllabus of I & II semester of Master of Computer Applications Degree Programme as passed in the BOS meeting held on 14.08.2020.

The members suggested to check the credit allocation for the courses with tutorial periods.

Resolved to Approve the Curriculum of I to IV Semesters and the syllabus of I & II semester of Master of Computer Applications Degree Programme.

#### **ACM 01.02.10 - Department of Management Studies**

To consider and approve the Curriculum of I to IV Semesters and the syllabus of I & II semester of Master of Business Administration Degree Programme as passed in the BOS meeting held on 20.08.2020.

The members clarified about the two streams of electives offered such as Marketing and Finance as mentioned in the curriculum.

Resolved to Approve the Curriculum of I to IV Semesters and the syllabus of I & II semester of Master of Business Administration Degree Programme.

#### **IV. ACM 01.03: Business brought forwarded by the Controller of Examinations:**

The Chairperson requested the Controller of Examinations (COE) Dr. P.R. Vijayalakshmi, HOD/CSE, to brief the activities of Examination System. The COE detailed about the members in the Examination Committee, Question Paper Scrutiny Committee and Result Passing Board. The COE also briefed the duties and responsibilities of various committee members, procedure to be followed in the Examination System, procedure for conduct of Examinations, Evaluation System and procedure.

To consider and approve the End Semester Examinations and Evaluation System to be followed from the Academic Year 2020-2021.

The following are the suggestions given by the members.

- i. The invigilators may be 100% internal members or with a minimum of 20 -30% external members.
- ii. The question paper scrutiny committee should include external members.
- iii. In view of Covid-19 pandemic, online mode of End Semester Examinations may be preferred.

The Chairperson pointed out that Anna University is conducting final semester Examinations through online. This has been directed to all affiliated colleges.

Resolved to Approve the End Semester Examinations and Evaluation System to be followed from the Academic Year 2020-21.

**V. ACM 01.04: Business brought by the Chairperson, Academic Council about the introduction of new UG programmes:**

To consider and recommend to the Governing Body, the introduction of new Undergraduate Programmes.

Chairperson proposed the following UG programmes.

- i. Artificial Intelligence and Data science
- ii. Electrical and Computer Engineering

Members forwarded to the Governing Body with the following suggestions.

- i. To recruit faculty members with expertise in the specific core domain.
- ii. Syllabus must be unique and on par with reputed Universities.

**VI. ACM 01.05: Any other matter:**

- i. The interdisciplinary projects can be encouraged in mini project.
- ii. Prerequisites may be given for the required courses.
- iii. The pattern of question paper may include MCQ (5 to 10 questions) which is useful for competitive examinations in addition to existing patterns.

The meeting was concluded with a vote of thanks by Dr. S.M. Kannan, HOD/EEE.



**Chairperson / Academic Council**