

JERUSALEM COLLEGE OF ENGINEERING

(An Autonomous College affiliated to Anna University, Chennai)

MINUTES OF THE SECOND MEETING OF THE ACADEMIC COUNCIL HELD ON 10.08.2020 AT 10.30 am THROUGH GOOGLE MEET

MEMBERS PRESENT

S.No.	NAME	DESIGNATION	POSITION
1	Dr. S. Prince Arockia Doss	Principal	Chairman
2	Dr. M. A. Panneerselvam	Dean - TEC	Member
3	Dr. M. Ramalingam	Director	Member
4	Dr. N. S. Elangovan	Dean – Student Affairs	Member
5	Dr. C. R. Rene Robin	Associate Dean	Member
6	Dr. Sheeja V Francis	HOD- BME	Member
7	Dr. C. Nirmala Rani	HOD – CE	Member
8	Dr. S. P. Manikandan	HOD – CSE	Member
9	Dr. N. Booma	HOD - EEE	Member
10	Dr. P. Gnanasivam	HOD –ECE	Member
11	Dr. V. Jamuna	HOD – EIE	Member
12	Dr. A. Vijayakumar	HOD – IT	Member
13	Dr. T. V. Ambuli	HOD – MBA	Member
14	Dr. N. John Jebarathinam	HOD – S&H	Member
15	Dr. D. Parameswari	Prof.& IQAC Co-ordinator	Member
16	Mr. V. Sudhakar	Associate Professor	Member
17	Ms. Anuja Prasant Diwan	Assistant Professor	Member
18	Dr. K. Ananthanarayanan	Professor, IIT Madras	Expert Member
19	Mr. Stanley George	Vice-President & Head HR Hexaware Technologies Ltd., Chennai	Expert Member
20	Mr. Ranjith Rajeswaran	Principal & Chief Audiologist, MERF Institute of Speech & Hearing Pvt. Ltd., Chennai	Expert Member
21	Dr. V. R. Giridev	Professor, Department of Textile Technology, AU	AU Expert Member
22	Dr. M. Sasikala	Professor, Department of ECE, AU	AU Expert Member
23	Dr. P. Vimala	Professor, Department of Mathematics, AU	AU Expert Member
24	Dr. S. Ramakrishnan	Professor, Department of EEE	Special Invitee
25	Mr. D. Kangeyan	Administrative Officer	Special Invitee
26	Dr. P. Natarajan	Physical Director	Special Invitee
27	Mr. R. Sivagnanam	Chief Librarian	Special Invitee

28	Mr. M. Venkatesh	Placement Officer	Special Invitee
29	Dr. Sofia	Research Coordinator	Special Invitee
30	Mr. Manoj Kumar	Assistant Professor & President -IIC	Special Invitee
31	Mr. Arul Kumar	NSS Program Officer	Special Invitee
32	Dr. P. Anuradha	Dean – Academics	Member Secretary

The following member expressed his inability to attend the meeting due to his preoccupation.

S.No.	NAME	DESIGNATION	POSITION
1	Mr. Rajendran Veerasamy	CEO, Poiner Wincon Energy Systems Pvt. Ltd.,	Expert Member

At the outset, the Principal and Chairman of Academic Council welcomed the members to the second meeting of the Academic Council. The Chairman informed the council that the Departments of Biomedical Engineering, Computer Science and Engineering and Electronics and Communication Engineering have been accredited by NBA from the Academic year 2019 – 20 to 2021 - 22 upto 30 – 06-2022 vide No. 33-51/2010-NBA dated 31 July 2019. He also informed the members that Jerusalem College of Engineering is NAAC accredited with A grade for a period of 5 years and is valid upto 14 Nov, 2020 and the process for renewal is in progress.

The Chairman also informed that the Board of Studies meetings for all the Departments were conducted during the months of June and July 2020, for finalising the syllabi of the core, professional and open electives offered in the 3rd and the 4th semester for both UG and PG programmes under R2019 of Jerusalem College of Engineering. The chairman then described the various ways in which students were busy with online classes through Zoom, Google meet, Google classroom, Cisco WebEx and other virtual platforms during this pandemic period from 17 March 2020. He appreciated the HoDs and faculty for the excellent work done during this period. He also informed the members that the academic activities for the odd semester of the academic year 2020-21 began on July 13, 2020 through online mode. He thus, apprised the members about the initiatives taken and progress made by the institution till date.

SECTION 1: ITEMS FOR CONFIRMATION

Item 2.1.1

To confirm the minutes of the Academic Council Meeting held on 09.08.2019

The minutes of the Academic council meeting held on 09.08.2019 were confirmed and is presented in ***Annexure – I.***

Item 2.1.2

To review the action taken on the decisions of the Academic Council Meeting held on 09.08.2019

The Chairman informed the members that Regulation 2019 of Jerusalem college of Engineering for both UG and PG programmes along with curriculum under R2019 & first year syllabi for all B.E/B.Tech, M.E and MBA programmes offered by Jerusalem College of Engineering were approved during the first academic Council meeting held on Aug 9, 2019. Based on the approval and by implementing the suggestions given by the members, the academic activities for the first year were carried out successfully during the academic year 2019 – 20. The office of COE, JCE ensured perfectness in setting of question papers, conduction of examinations and evaluation by the panel of examiners approved by the Academic Council. The end semester examinations of the odd semester of 2019 – 20 were conducted smoothly, and results were declared on time. Based on the norms given by the government, the results of the even semester of 2019-20 will be subsequently declared. This was the main action taken based on the suggestions given in the first Academic Council meeting. The Chairman presented the other actions taken based on the suggestions made during the first Academic Council meeting held on 09.08.2019 and the same was approved by the council and is presented in ***Annexure – II.***

SECTION 2: ITEMS FOR RATIFICATION AND APPROVAL

Item 2.2.1

To consider and approve the regulations to pursue SWAYAM courses as open electives for undergraduate programmes and professional electives for post graduate programmes

Dean Academics informed the members that Regulation 2019 of Jerusalem College of Engineering for UG and PG programmes was approved in the first academic council meeting held on 09.08.2019. Due to the pandemic situation, the importance of online classes has increased and as also insisted continuously by AICTE and UGC to encourage students to take up online courses through SWAYAM – NPTEL, the regulations are prepared for implementation from the second year onwards for the Batches 2019-23 for UG and 2019-21 for PG programmes.

The regulations were presented point by point for both UG and PG programmes.

The Council gave the following suggestions:

- a. As the number of online courses, a student can take per semester was not mentioned in the regulation, Dr. Sasikala suggested to include that only one course can be taken by a student in each semester.
- b. Dr. Giridev enquired about the pattern of evaluation when two options were suggested in the regulations. Dean Academics explained the two options of evaluation – either taking up the proctored exam conducted by SWAYAM or taking up the end semester exam at the college.
- c. Dr. Giridev suggested that there is no need to conduct internal assessment tests as they will be submitting assignments during the course and it is sufficient to take up the end semester exam at college.

The council considered and approved the item and is presented in

Annexure – III

Item 2.2.2

To consider and approve the syllabi of the second-year courses [core courses, professional electives and open electives offered in 3rd and 4th semesters] under R2019 for B.E. in Biomedical Engineering programme.

The Head of the Department of Biomedical Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 27.06.2020.

- i. The syllabi of 3rd and 4th semester core courses and professional electives offered for B.E. (BME) programme of R2019 of Jerusalem College of Engineering.
 - ii. The list of open electives offered by the Department and syllabi of open electives offered in the 4th semester.
 - iii. The recommended panel of internal and external examiners.
 - iv. List of best practices adopted by the Department during the pandemic period.
-
- a. Dr. Sasikala enquired if a student could take either an open elective offered at college or a Swayam course. To this, HoD - BME confirmed that both the options are available.
 - b. Dr. Giridev suggested that CO-PO mappings may be mentioned after each syllabus. HoD - BME confirmed that it will be included once the syllabi is approved in the Academic Council meeting. He also identified that the word "build" was repeatedly used in course objectives and suggested to avoid redundancy.

The council considered and approved the decision of the BoS. The details are presented in ***Annexure – IV***

Item 2.2.3

To consider and approve the syllabi of the second-year courses [core courses, professional electives and open electives offered in 3rd and 4th semesters] under R2019 for B.E. in Civil Engineering and M.E. in Construction Engineering and Management programmes.

The Head of the Department of Civil Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 03.07.2020.

- i. The syllabi of 3rd and 4th semester core courses and professional electives offered for B.E. (CE) programme of R2019 of Jerusalem College of Engineering.
- ii. The list of open electives offered by the Department and syllabi of open electives offered in the 4th semester.
- iii. The syllabi of 3rd and 4th semester core courses and professional electives offered for M.E. (CE&M) programme of R2019 of Jerusalem College of Engineering is exactly same as per R2017 of Anna university.
- iv. The recommended panel of internal and external examiners.
- v. List of best practices adopted by the Department during the pandemic period.

The council considered and approved the decision of the BoS. The details are presented in ***Annexure – V***

Item 2.2.4

To consider and approve the syllabi of the second-year courses [core courses, professional electives and open electives offered in 3rd and 4th semesters] under R2019 for B.E. in Computer Science and Engineering and M.E. in Computer Science and Engineering programmes.

The Head of the Department of Computer Science and Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 10.07.2020.

- i. The syllabi of 3rd and 4th semester core courses and professional electives offered for B.E. (CSE) programme of R2019 of Jerusalem College of Engineering.

- ii. The list of open electives offered by the Department and syllabi of open electives offered in the 4th semester.
- iii. The syllabi of 3rd and 4th semester core courses and professional electives offered for M.E. (CSE) programme of R2019 of Jerusalem College of Engineering is exactly same as R2017 of Anna university
- iv. The recommended panel of internal and external examiners.
- v. List of best practices adopted by the Department during the pandemic period.

The council considered and approved the decision of the BoS. The details are presented in ***Annexure – VI***

Item 2.2.5

To consider and approve the syllabi of the second-year courses [core courses, professional electives and open electives offered in 3rd and 4th semesters] under R2019 for B.E. in Electrical and Electronics Engineering and M.E. in Power Electronics and Drives programmes.

The Head of the Department of Electrical and Electronics Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 29.06.2020.

- i. The syllabi of 3rd and 4th semester core courses and professional electives offered for B.E. (EEE) programme of R2019 of Jerusalem College of Engineering.
- ii. The list of open electives offered by the Department and syllabi of open electives offered in the 4th semester.
- iii. The syllabi of 3rd and 4th semester core courses and professional electives offered for M.E. (PED) programme of R2019 of Jerusalem College of Engineering is exactly same as R2017 of Anna university
- iv. The recommended panel of internal and external examiners.
- v. List of best practices adopted by the Department during the pandemic period.

The following suggestions was made by the members:

- a. Dr. Pannerselvam suggested to change the title of a theory course offered in the 4th semester from "AC Machines" to "Synchronous and Induction Machines".

The council considered and approved the decision of the BoS. The details are presented in **Annexure – VII**

Item 2.2.6

To consider and approve the syllabi of the second-year courses [core courses, professional electives and open electives offered in 3rd and 4th semesters] under R2019 for B.E. in Electronics and Communication Engineering and M.E. in Applied Electronics programmes.

The Head of the Department of Electronics and Communication Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 27.06.2020.

- i. The syllabi of 3rd and 4th semester core courses and professional electives offered for B.E. (ECE) programme of R2019 of Jerusalem College of Engineering.
- ii. The list of open electives offered by the Department and syllabi of open electives offered in the 4th semester.
- iii. The syllabi of 3rd and 4th semester core courses and professional electives offered for M.E. (AE) programme of R2019 of Jerusalem College of Engineering is exactly same as R2017 of Anna university
- iv. The recommended panel of internal and external examiners.
- v. List of best practices adopted by the Department during the pandemic period.

The following suggestions was made by the members:

- a. Dr. Sasikala suggested to use the word "Mini project" instead of "Tiny Project" in the syllabus of 3rd semester laboratory course "Electronics Design Practice Laboratory I"

The council considered and approved the decision of the BoS. The details are presented in **Annexure – VIII**

Item 2.2.7

To consider and approve the syllabi of the second-year courses [core courses, professional electives and open electives offered in 3rd and 4th semesters] under R2019 for B.E. in Electronics and Instrumentation Engineering programme.

The Head of the Department of Electronics and Instrumentation Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 27.06.2020.

- i. The syllabi of 3rd and 4th semester core courses offered for B.E. (EIE) programme of R2019 of Jerusalem College of Engineering.
- ii. The list of open electives offered by the Department and syllabi of open electives offered in the 4th semester.
- iii. The recommended panel of internal and external examiners.
- iv. List of best practices adopted by the Department during the pandemic period.

The council considered and approved the decision of the BoS. The details are presented in ***Annexure – IX***

Item 2.2.8

To consider and approve the syllabi of the second-year courses [core courses, professional electives and open electives offered in 3rd and 4th semesters] under R2019 for B.Tech. in Information Technology and M.E. in Software Engineering programmes.

The Head of the Department of Information Technology brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 10.07.2020.

- i. The syllabi of 3rd and 4th semester core courses and professional electives offered for B.Tech. (IT) programme of R2019 of Jerusalem College of Engineering.

- ii. The list of open electives offered by the Department and syllabi of open electives offered in the 4th semester.
- iii. The syllabi of 3rd and 4th semester core courses and professional electives offered for M.E. (SE) programme of R2019 of Jerusalem College of Engineering is exactly same as R2017 of Anna university
- iv. The recommended panel of internal and external examiners.
- v. List of best practices adopted by the Department during the pandemic period.

The council considered and approved the decision of the BoS. The details are presented in **Annexure – X**

Item 2.2.9

To consider and approve the syllabi of the second-year courses [core courses and professional electives offered in 3rd and 4th semesters] under R2019 for Master of Business Administration Programme.

The Head of the Department of Management Studies brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 04.07.2020.

- i. The syllabi of 3rd and 4th semester core courses and professional electives offered for MBA programme of R2019 of Jerusalem College of Engineering.
- ii. The list of open electives offered by the Department for B.E/B.Tech programmes of R2019 and syllabi of open electives offered in the 4th semester.
- iii. The recommended panel of internal and external examiners.
- iv. List of best practices adopted by the Department during the pandemic period.

The council considered and approved the decision of the BoS. The details are presented in **Annexure – XI**

Item 2.2.10

To consider and approve the syllabi of Mathematics courses and open electives offered in the second year under R2019 of Jerusalem College of Engineering for all B.E. /B.Tech. programmes by the Department of Science and Humanities.

The Head of the Department of Science and Humanities and Mathematics Coordinator brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 04.07.2020.

- i. The syllabi of Mathematics courses offered in the 3rd and 4th semester for all B.E / B. Tech. programmes of R2019 of Jerusalem College of Engineering.
- ii. The list of open electives offered by the Department and syllabi of open electives offered in the 4th semester.
- iii. The recommended panel of internal and external examiners.
- iv. List of best practices adopted by the Department during the pandemic period.

The council considered and approved the decision of the BoS. The details are presented in ***Annexure – XII***

Item 2.2.11

To consider and approve the proposal of introducing new programmes to be offered in the academic year 2021 – 22

As AICTE has decided to grant permission for new courses for the Academic Year 2021-22 only in emerging areas of Engineering and Technology, the following three courses were placed before the members for their approval after which, the list will be sent to the management for further action.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

1. B.Tech. – COMPUTER SCIENCE AND BUSINESS SYSTEMS
2. B.E. – COMPUTER SCIENCE AND ENGINEERING
(INTERNET OF THINGS AND CYBER SECURITY
INCLUDING BLOCK CHAIN TECHNOLOGY)

DEPARTMENT OF INFORMATION TECHNOLOGY

1. B.Tech. – ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

The Council gave the following suggestions:

- a. The Director of Jerusalem College of Engineering suggested that out of the three courses, only the second programme is in the recommended nomenclature of AICTE and to proceed to suggest the programme **B.Tech. Artificial Intelligence and Data Science** to the management for further action. Further, he suggested to look into programmes such as Computer Science and Block Chain.
- b. Dr. Giridev suggested to decide on new programmes based on the student eligibility to apply for GATE and other positions in government agencies.
- c. Dr. Sasikala suggested that the programme on Artificial Intelligence and Data Science can be called B.E. CSE (Specialisation).

The council considered and approved the item.

SECTION 3: OTHER ITEMS FOR INFORMATION

Item 2.3.1

RESULT ANALYSIS (UG AND PG PROGRAMS) FOR THE ODD SEMESTER OF 2019 – 20

Dr. Ramakrishnan, Professor in the Department of Electrical and Electronics Engineering briefed the members about the results achieved in the odd semester of 2019 -20 for information of the council. The details are presented in **Annexure XIII**

Item 2.3.2

RESEARCH ACTIVITIES

Research coordinator briefed the members about the research activities during the period Aug 2019 – Aug 2020 for information of the council. The details are presented in **Annexure XIV**

Item 2.3.3

PLACEMENT REPORT

The placement officer briefed the members about the placement details during the period Aug 2019 – Aug 2020 for information of the council. The details are presented in **Annexure XV**

Item 2.3.4

IQAC REPORT

The IQAC coordinator briefed the members about the activities conducted during the period Aug 2019 – Aug 2020 for information of the council. The details are presented in **Annexure XVI**

Item 2.3.5

SKILL DEVELOPMENT PROGRAMS – DDUGKY, NSQF

Associate Dean Dr. Rene Robin briefed the members about the various skill development programs that the college is involved in for information of the council. The details are presented in **Annexure XVII**

Item 2.3.6

LIBRARY DETAILS

The Chief librarian briefed the members about the list of books purchased for the year 2020-21 for information of the council. The details are presented in **Annexure XVIII**

Item 2.3.7

SPORTS ACTIVITIES

The physical director briefed the members about the various sports events conducted during the period Aug 2019 – Aug 2020 for information of the council. The details are presented in **Annexure XIX**

Item 2.3.8

ENTREPRENEUR DEVELOPMENT CELL ACTIVITIES - INSTITUTE INNOVATION COUNCIL

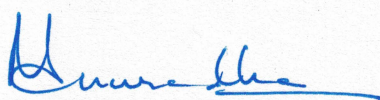
The various events conducted through the Institute Innovation council and by the ED cell of the college during the period Aug 2019 – Aug 2020 was briefed by Mr. Manoj Kumar, Assistant professor of the Department of Management Studies and President, IIC. The details are presented in **Annexure XX**

Item 2.3.9

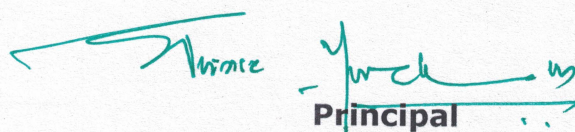
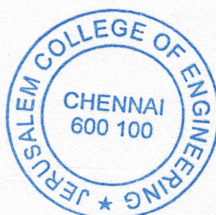
ONLINE CLASSES / COURSERA

Dean Academics briefed the members about how students and faculty were busy during the pandemic period. She informed the members that Jerusalem College of Engineering enrolled on Coursera in the month of May 2020 and thereafter, both faculty and students took up courses and specialised courses with great zeal and enthusiasm. The free access given by Coursera for all has now been extended to September 30, 2020. She expressed hope to see more participation from both students and faculty during this extended period. She congratulated all students for their wonderful achievement. She thanked Principal, Senior Associate Professor from the Department of ECE, Ms. Bhavani Sankari and Alumni, Mr. Arun for timely information which is the reason for this exemplary success. The details are presented in **Annexure XXI**

The meeting concluded by the chairman thanking all the members for their presence and valuable suggestions.



Dean – Academics
(Member Secretary)



Principal
(Chairman)

Dr. S. PRINCE AROCKIA DOSS, M.Sc., B.Tech., M.E., Ph.D.
PRINCIPAL
Jerusalem College of Engineering
Velachery Main Road, Narayanapuram,
Pallikaranai, Chennai-600 100.

JERUSALEM COLLEGE OF ENGINEERING

(An Autonomous College affiliated to Anna University, Chennai)

MINUTES OF THE FIRST MEETING OF THE ACADEMIC COUNCIL HELD ON 09.08.2019 AT 10.00 am IN THE CONFERENCE HALL

MEMBERS PRESENT

S.No.	NAME	DESIGNATION	POSITION
1	Dr. S.Prince Arockia Doss	Principal	Chairman
2	Dr.M.A.Panneerselvam	Dean - TEC	Member
3	Dr.M.Ramalingam	Director	Member
4	Dr.S.Rama Reddy	Dean - Research	Member
5	Dr.N.S.Elangovan	Dean - Student Affairs	Member
6	Dr.C.R.Rene Robin	Associate Dean	Member
7	Dr.Sheela V Francis	HOD- BME	Member
8	Ms.C.Nirmala Rani	HOD i/c- CE	Member
9	Dr.S.P.Manikandan	HOD - CSE	Member
10	Dr.S.Nagarajan	HOD - EEE	Member
11	Dr.P.Gnanasivam	HOD -ECE	Member
12	Dr.V.Jamuna	HOD - EIE	Member
13	Dr.A.Vijayakumar	HOD - IT	Member
14	Dr.T.V.Ambuli	HOD - MBA	Member
15	Dr.N.John Jebarathinam	HOD - S&H	Member
16	Dr.S.Ramakrishnan	Professor & COE	Member
17	Dr.D.Parameswari	Prof.& IQAC Co-ordinator	Member
18	Mr.V.Sudhakar	Associate Professor	Member
19	Ms.Anuja Prasanth Diwan	Assistant Professor	Member
20	Dr.K.Ananthanarayanan	Professor, IIT Madras	Expert Member
21	Mr.Rajendran Veerasamy	CEO, PoinerWincon Energy Systems Pvt. Ltd.,	Expert Member
22	Mr.Ranjith Rajeswaran	Principal & Chief Audiologist, MERF Institute of Speech & Hearing Pvt. Ltd.,	Expert Member
23	Dr.V.R.Giridev	Professor, Department of Textile Technology, AU	AU Expert Member
24	Dr.M.Sasikala	Professor, Department of ECE, AU	AU Expert Member
25	Dr.P.Vimala	Professor, Department of Mathematics, AU	AU Expert Member
26	Mr.D.Kangeyan	Administrative Officer	Special Invitee
27	Dr.P.Natarajan	Physical Director	Special Invitee
28	Mr.R.Sivagnanam	Chief Librarian	Special Invitee
29	Mr.M.Venkatesh	Placement Officer	Special Invitee
30	Dr.P.Anuradha	Dean - Academics	Member Secretary

The following member expressed his inability to attend the meeting due to his preoccupation.

S.No.	NAME	DESIGNATION	POSITION
1	Mr.Stanley George	Vice-President & Head HR Hexaware Technologies Ltd.,Chennai	Expert Member

At the outset, the Principal and Chairman of Academic Council welcomed the members to the first meeting of the Academic Council. The Chairman informed the council that Jerusalem College of Engineering (JCE) was granted Autonomous status by UGC for a period of 10 years with effect from the academic year 2019 – 2020 to the academic year 2028 – 2029 vide No. F.22-1/2017(AC), dated 29 Apr 2019. He also informed the council that students studying in higher semesters of undergraduate (UG) and post graduate (PG) at the time of grant of Autonomous status to the college, shall also be covered under autonomy vide No. F.2-76(41)/2017(AC), dated 30 Apr 2019. Due to the grant of Autonomy, the chairman informed that the Academic Council is reconstituted as per UGC norms. He welcomed all the new members and hoped to look forward to their cooperation and valuable contribution to the deliberations in the meetings of the Academic Council. All the members introduced themselves. The chairman then presented a brief overview of the institution as it has successfully entered into its 25th year and is celebrating the silver jubilee year. He apprised the members about the initiatives taken and progress made by the institution till date.

Item 1.1

To confirm the minutes of the Academic Council Meeting held on 15.11.2018

The minutes of the Academic council meeting held on 15.11.2018 were confirmed and is presented in **Annexure – I**.

Item 1.2

To review the action taken on the decisions of the Academic Council Meeting held on 15.11.2018

The Director presented the action taken report on the suggestions made during the Academic Council meeting held on 15.11.2018 and the same was approved by the council and is presented in **Annexure – II**.

Item 1.3

(a) To consider and approve the continuation of the Regulation, curriculum and syllabi for the current II, III and IV year UG students admitted under Regulation 2017 (R2017) and Regulation 2013 (R2013) respectively of Anna University.

(b) To consider and approve the continuation of the Regulation, curriculum and syllabi for the current II year PG students admitted under Regulation 2017 (R2017) of Anna University.

Dean Academics informed the members that the grant of autonomy by UGC is not only covered for the students admitted from 2019 – 2020 onwards but also for the current II, III, and IV year students of the following UG programmes

- B.E. Biomedical Engineering
- B.E. Civil Engineering
- B.E. Computer Science and Engineering
- B.E. Electrical and Electronics Engineering
- B.E. Electronics and Communication Engineering
- B.E. Electronics and Instrumentation Engineering
- B. Tech Information Technology

and for the II year students of the following PG programmes at Jerusalem College of Engineering

- M.E. Construction Engineering and Management
- M.E. Computer Science and Engineering
- M.E. Power Electronics and Drives
- M.E. Applied Electronics
- M.E. Software Engineering

But as these students are registered under Anna University, it has been decided that the Regulation, curriculum and syllabi for these students will be followed as per Anna University R2017 for II, III year UG and II year PG students and as per Anna University R2013 for IV year UG students respectively.

With respect to examinations, as the college has been granted Autonomy, the following decisions have been taken:

- i. End semester examinations for current IV year students of R2013 for both regular and reappearance to be conducted by the office of Controller of Examinations (COE), JCE.
- ii. End semester examinations for current II and III year students of R2017 for both regular and reappearance to be conducted by office of COE, JCE.
- iii. End semester examinations for current II year PG students of R2017 for both regular and reappearance to be conducted by office of COE, JCE.
- iv. University examinations for arrear papers for all passed out students to be conducted by Anna university, Chennai.

The Council raised the following query to which the COE clarified:

- a. Dr. Giridev enquired about examinations regarding current II, III and IV UG and II PG. To this query, COE explained points i., ii. and iii. as stated above.

The council considered all points and approved the same.

Item 1.4

To consider and approve the Regulation 2019 for B.E. /B. Tech. degree programmes and for M.E and M.B.A. programmes

The Regulations to be followed by UG and PG students admitted in the academic year 2019 – 2020 onwards was presented by Dean Academics and COE, JCE which are presented in **Annexures – III, IV**

The following queries were raised and were clarified by Dean Academics and COE, JCE

- i. Dr. Ranjith Rajeswaran asked about the minimum pass percentage to be secured in the end semester examinations and the frequency of continuous assessment tests. To this, COE clarified that 40 % (for UG) and 50 % (for PG) is the minimum mark to be secured in the end semester examination and a total of 50 % in continuous assessment plus end semester exam is required in order to be declared "pass" in a particular course (lab or theory). He also clarified that two assessment tests would be conducted once in a month.
- ii. Dr. Giridev felt that 40 % minimum criteria for UG in the end semester exams need not be enforced, as in Anna university, the departments follow relative grading. To this, the internal members clarified that such a criterion would bring in more seriousness in students towards end semester examinations.
- iii. After detailed deliberations on how online courses should be assessed, it was decided that, except for MOOCs courses, which is mandatory for acquiring 20 credits through online courses for awarding B.E.(Honours), an end semester examination will be conducted by the office of COE, JCE. The members suggested to define the credit transfer clearly in the regulation.
- iv. Dr. Pannerselvam felt that all professional core courses cannot be included within 160 credits. To this, Director informed that AICTE, in its model curriculum, has suggested the total credits to be planned for a B.E. degree programme must be between 150 and 160. He also informed that the new curriculum prepared with 160 credits for all departments is approved in the respective meetings of the Board of Studies and the BoS also recommended to award B.E. (Honours), provided, the students acquire additional 20 credits by MOOCs though online, which is over and above 160 credits.
- v. After detailed deliberations, the council decided to permit students for internship for a continuous period of 15 days to the same industry and to be evaluated based on a viva voce examination in semester VI for one

credit. The members suggested that faculty must do a spade work in identifying possible industries to which students can be sent, guide students towards the right industry and monitor the students' progress periodically.

The council considered all points and approved the item.

Item 1.5

To consider and approve the curriculum and syllabi of R2019 for semester I and II for all B.E. /B.Tech. Programmes.

The Head of the Department (HoD) of Science and Humanities brought the following to the notice of the council and sought approval of the decision of the Board of Studies (BoS) in its meeting held on 05.07.2019

- i. The curriculum of semesters I and II and syllabi of Humanities and Science (HS) and Basic Science (BS) courses to be followed from the batch 2019 – 2023 of R2019 are presented in **Annexure – V**
- ii. The recommended panel of internal and external examiners are also presented for approval.

The council considered and approved the decision of the BoS

Item 1.6

To consider and approve the curriculum and syllabi (first year courses) of R2019 for B.E. in Biomedical Engineering Programme.

The HoD of Biomedical Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 22.07.2019.

- i. The curriculum of semesters I – VIII for B.E. (BME) programme of R2019 and syllabi of first year courses are presented in **Annexure – VI**
- ii. The recommended panel of internal and external examiners are also presented for approval.

The following suggestions were made by the members:

- a. Dr. Giridev suggested that the word "mini project" in the syllabi of Design Appreciation laboratory can be replaced by the word " Fabrication project"
- b. Dr. Sasikala felt that 3 credits could be allotted to phase 1 project and 9 credits for phase 2 project. To this, the members accepted and the changes were made.
- c. Dr. Vimala felt the need of giving 4 credits for mathematics courses. Dean Academics clarified that AICTE has suggested 3 maths papers with a total of 12 credits. As it was not possible to incorporate all topics in 3 papers, it was decided to have 4 maths papers with 3 credits each. With this explanation, the expert was convinced.

- d. All expert members felt that open electives cannot be Professional Core or Professional electives but must be introductory courses offered by the departments for the benefit of students. All HoDs agreed to revise the list of open electives as per the direction of the experts.

The council considered and approved the decision of the BoS

Item 1.7

To consider and approve the curriculum and syllabi (first year courses) of R2019 for B.E. Civil Engineering and M.E. Construction Engineering and Management programmes.

The HoD of Civil Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 29.07.2019.

- i. The curriculum of semesters I – VIII for B.E. (CE) programme of R2019 and syllabi of first year courses are presented in **Annexure – VII**
- ii. The curricula and syllabi for the students admitted in M.E. – Construction Engineering and Management of R2019 is the same as the curricula and syllabi as per Anna University R2017.
- iii. The recommended panel of internal and external examiners are also presented for approval.

The following suggestion was made by the members:

- a. Revise the list of open electives

The council considered and approved the decision of the BoS

Item 1.8

To consider and approve the curriculum and syllabi (first year courses) of R2019 for B.E. Computer Science and Engineering and M.E. Computer Science and Engineering programmes.

The HoD of Computer Science and Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 24.07.2019.

- i. The curriculum of semesters I – VIII for B.E. (CSE) programme of R2019 and syllabi of first year courses are presented in **Annexure – VIII**
- ii. The curricula and syllabi for the students admitted in M.E. – Computer Science of R2019 is the same as the curricula and syllabi as per Anna University R2017.
- iii. The recommended panel of internal and external examiners are also presented for approval.

The following suggestions were made by the members:

- a. Revise the list of open electives
- b. The members noted a typographical error in Phase II project in semester VIII which was later corrected.

The council considered and approved the decision of the BoS

Item 1.9

To consider and approve the curriculum and syllabi (first year courses) of R2019 for B.E. Electrical and Electronics Engineering and M.E. Power Electronics and Drives programmes

The HoD of Electrical and Electronics Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 19.07.2019.

- i. The curriculum of semesters I – VIII for B.E. (EEE) programme of R2019 and syllabi of first year courses are presented in **Annexure – IX**
- ii. The curricula and syllabi for the students admitted in M.E. – Power Electronics and Drives of R2019 is the same as the curricula and syllabi as per Anna University R2017.
- iii. The recommended panel of internal and external examiners are also presented for approval.

The following suggestions were made by the members:

- a. Revise the list of open electives
- b. Mr. Rajendran Veerasamy appreciated the initiative of introducing a course on "Entrepreneur for Engineers" and extended his help to frame the syllabus.
- c. Dr. Giridev suggested not to use any abbreviations in the curriculum like SMPS, UPS, FACTS etc. which was later corrected.

The council considered and approved the decision of the BoS

Item 1.10

To consider and approve the curriculum and syllabi (first year courses) of R2019 for B.E. Electronics and Communication Engineering and M.E. Applied Electronics programmes.

The HoD of Electronics and Communication Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 22.07.2019

- i. The curriculum of semesters I – VIII for B.E. (ECE) programme of R2019 and syllabi of first year courses are presented in **Annexure – X**

- ii. The curricula and syllabi for the students admitted in M.E. – Applied Electronics of R2019 is the same as the curricula and syllabi as per Anna University R2017.
- iii. The recommended panel of internal and external examiners are also presented for approval.

The following suggestions were made by the members:

- a. Revise the list of open electives
- b. Dr. Giridev asked about the examination pattern for integrated courses. Dean Academics clarified the point.
- c. Dr. Vimala enquired about the ECE course that is offered for CSE / IT in the second semester. HOD – ECE clarified that the syllabi of that course was approved in the BoS of ECE.

The council considered and approved the decision of the BoS

Item 1.11

To consider and approve the curriculum and syllabi (first year courses) of R2019 for B.E. Electronics and Instrumentation Engineering programme.

The HoD of Electronics and Instrumentation Engineering brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 19.07.2019.

- i. The curriculum of semesters I – VIII for B.E. (EIE) programme of R2019 and syllabi of first year courses are presented in **Annexure – XI**
- ii. The recommended panel of internal and external examiners are also presented for approval.

The following suggestion was made by the members:

- a. Revise the list of open electives

The council considered and approved the decision of the BoS

Item 1.12

To consider and approve the curriculum and syllabi (first year courses) of R2019 for B.Tech. Information Technology and M.Tech. Software Engineering programmes

The HoD of Information Technology brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 24.07.2019.

- i. The curriculum of semesters I – VIII for B.Tech. (IT) programme of R2019 and syllabi of first year courses are presented in **Annexure – XII**

- ii. The curricula and syllabi for the students admitted in M.Tech. – Software Engineering of R2019 is the same as the curricula and syllabi as per Anna University R2017.
- iii. The recommended panel of internal and external examiners are also presented for approval.

The following suggestions were made by the members:

- a. Revise the list of open electives
- b. A correction was identified by Dr. Vimala in declaring L-T-P-C as 2-0-1-3 instead of 2-0-2-3 which was later corrected
- c. Dr. Vimala felt that as the topic Fourier transforms is not taught in Mathematics for IT students, the course DSP cannot be included in the curriculum.

The council considered and approved the decision of the BoS

Item 1.13

To consider and approve the curriculum and syllabi (first year courses) of R2019 for Master of Business Administration programme

The HoD of Master of Business Administration brought the following to the notice of the council and sought approval of the decision of the BoS in its meeting held on 22.07.2019.

- i. The curriculum of semesters I – IV for MBA programme of R2019 and syllabi of first year courses are presented in **Annexure – XIII**
- ii. The recommended panel of internal and external examiners are also presented for approval.

The following suggestion was made by the members:

- a. The members felt that the number of theory courses per semester is high to which HoD (MBA) clarified that the same number of theory courses were offered under R2017 of Anna University.

The council considered and approved the decision of the BoS

Item 1.14

To consider and approve the proposal of introducing new programmes to be offered from the academic year 2020 – 21.

The following four programmes were placed for discussion

- a. B.Tech Biotechnology
- b. MBA in Logistics and Supply Chain Management
- c. Post Graduate Diploma in Management
- d. M.Sc. Applied Mathematics

The council considered and approved the item.

Item 1.15

To consider and approve the following plan of action for the academic year 2019- 20

a. Research Activities

Research details from Nov 2018 till date is enclosed in **Annexure-XIV** for information of the council.

The list of MoUs for the year 2019 -20 is enclosed in **Annexure -XV** for information of the council

b. IQAC

Details Enclosed in **Annexure XVI** for information of the council

c. Training and Placement Activities

The Placement details are enclosed in **Annexure - XVII** for information of the council

d. Library


The list of Books purchased in the year 2019 - 2020 is enclosed in **Annexure - XVIII** for information of the council.

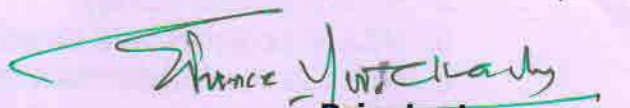
e. Sports

The details of sports activities are enclosed in **Annexure XIX** for information of the council.

The Council considered and approved the item.

The meeting concluded by the chairman thanking all the members for their presence and valuable suggestions.

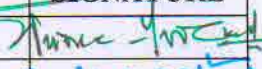


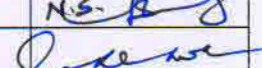

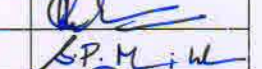

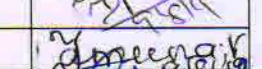



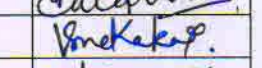







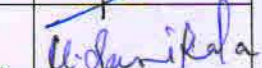

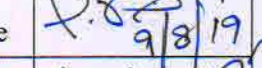

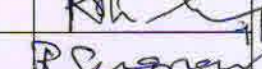

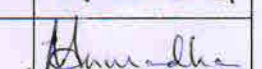
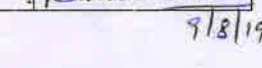




Dean - Academic 12/8/19
(Member Secretary)


Principal
12-08-2019
(Chairman)

JERUSALEM COLLEGE OF ENGINEERING (AUTONOMOUS)

ACADEMIC COUNCIL MEET – 9th AUGUST, 2019

ATTENDANCE

S.No.	NAME	DESIGNATION	POSITION	SIGNATURE
1	Dr. S.Prince Arokia Doss	Principal	Chairman	
2	Dr.M.A.Panneerselvam	Dean - TEC	Member	
3	Dr.M.Ramalingam	Director	Member	
4	Dr.S.Rama Reddy	Dean - Research	Member	
5	Dr.N.S.Elangovan	Dean – Student Affairs	Member	
6	Dr.C.R.Rene Robin	Associate Dean	Member	
7	Dr.Sheela V Francis	HOD- BME	Member	
8	Ms.C.Nirmala Rani	HOD i/c– CE	Member	
9	Dr.S.P.Manikandan	HOD – CSE	Member	
10	Dr.S.Nagarajan	HOD - EEE	Member	
11	Dr.P.Gnanasivam	HOD –ECE	Member	
12	Dr.V.Jamuna	HOD – EIE	Member	
13	Dr.A.Vijayakumar	HOD – IT	Member	
14	Dr.T.V.Ambuli	HOD – MBA	Member	
15	Dr.N.John Jebarathinam	HOD – S&H	Member	
16	Dr.S.Ramakrishnan	Professor & COE	Member	
17	Dr.D.Parameswari	Professor & IQAC Co-ordinator	Member	
18	Mr.V.Sudhakar	Associate Professor	Member	
19	Ms.Anuja Prasant Diwan	Assistant Professor	Member	
20	Dr.K.Ananthanarayanan	Professor, IIT Madras	Expert Member	
21	Mr.Stanley George	Vice-President & Head HR Hexaware Technologies Ltd.,Chennai	Expert Member	-
22	Mr.Rajendran Veerasamy	CEO, Poineer Wincon Energy Systems Pvt. Ltd.,	Expert Member	
23	Mr.Ranjith Rajeswaran	Principal & Chief Audiologist MERF Institute of Speech & Hearing Pvt. Ltd.,	Expert Member	
24	Dr.V.R.Giridev	Professor, Department of Textile Technology, Anna University	Expert Member - Anna University Nominee	
25	Dr.M.Sasikala	Professor, Department of ECE, Anna University	Expert Member - Anna University Nominee	
26	Dr.P.Vimala	Professor, Department of Mathematics, Anna University	Expert Member - Anna University Nominee	
27	Mr.D.Kangeyan	Administrative Officer	Special Invitee	
28	Dr.P.Natarajan	Physical Director	Special Invitee	
29	Mr.R.Sivagnanam	Chief Librarian	Special Invitee	
30	Mr.M.Venkatesh	Placement Officer	Special Invitee	
31	Dr.P.Anuradha	Dean – Academics	Member Secretary	

9/8/19