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Minutes of the 36th Governing Board Meeting

36th Governing board meeting was held on Saturday, 14th January 2023 at 11.00 AM in the college conference hall of Administrative Block.

The following members were present in the meeting

MEMBERS PRESENT DIRECTLY

1. Tmt. Chennammal Ramasamy	Chairman
2. Thiru. R.Krishnamoorthy	Member
3. Thiru. R.Arunachalam	Member
4. Thiru. C.Sankaranarayanan	Member
5. Selvi. A.Shanmathi	Member
6. Selvan A.Niteesh Ram	Member
7. Dr. S.Shanmugavel	Director, NEC, Member
8. Prof. M.R.Bhagwan Singh	Member, UGC Nominee
9. Dr.S.Sidhardhan	Member, State Government Nominee
10. Dr.M.Vijayaraj	Member, University Nominee
11. Dr.M.A.Neelakantan	Professor /S&H, Member
12. Dr.A.Shenbagavalli	Professor / ECE, Member
13. Dr. K.Kalidasa Murugavel	Principal/ Member Secretary

The Director welcomed all the members of the Governing Board and informed that Mr. L.S.Manivannan, nominee of the Management could not attend the meeting as he is pre occupied. Afterwards he placed the agenda items one by one as detailed below:

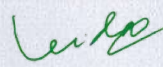
AGENDA 36.01: TO CONFIRM THE MINUTES OF THE LAST MEETING OF THE GOVERNING BOARD HELD ON 08.01.2022

*The Director of the college welcomed all the members and presented various academic and other important activities held in the college. He also submitted the proposal to introduce a new course **B.Tech-Artificial Intelligence and Data Science** with 60 intake from the academic year 2022-2023 and to reduce the intake of PG courses M.E. Computer Science and Engineering, M.E-Embedded System Technologies, M.E- High Voltage Engineering, M.E-Energy Engineering and M.Tech- Information Technology(Cyber warfare). The meeting was concluded after approving the proposal of starting UG new course and reduction of PG courses.*

The minutes of the meeting held on 08.01.2022 was placed before the board and confirmed.

AGENDA 36.02: TO REPORT THE ACTION TAKEN ON THE MINUTES OF THE MEETING OF THE GOVERNING BOARD

Approval Granted by AICTE and affiliation granted by the Anna University for starting of **B.Tech-Artificial Intelligence and Data Science** and the reduction of the intake in PG courses were reported to the board and confirmed.


Dr. K. Kalidasa Murugavel, M.E. Ph.D.,
PRINCIPAL
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K.R. NAGAR, KOVILPATTI - 628 503.
THOOTHUKUDI-DIST

AGENDA 36.03: TO REPORT ABOUT THE ACADEMIC AND OTHER IMPORTANT ACTIVITIES AND EVENTS IN THE COLLEGE SINCE LAST MEETING OF THE GOVERNING BOARD

The Principal presented the report on academic and other important activities and events in the college since the last meeting of the governing board and it was recorded (Annexure-I).

AGENDA 36.04: TO REPORT ABOUT THE IMPORTANT COMMUNICATIONS, POLICY DECISIONS RECEIVED FROM THE GOVERNMENT, UNIVERSITY, DOTE AND AICTE etc.

The important communications received from AICTE, DOTE and Anna University were presented by the Director to the board for information. The details are as follows.

- AICTE has accorded the approval for the existing courses, additional course and reduction of intake in PG courses for the academic year 2022-23.
- Anna University has accorded the provisional affiliation for the courses for the academic year 2022-23.
- Ministry of Education, Government of India has accorded our college with 169th NIRF ranking (National Institutional Ranking Framework) under Engineering Category in all India level.
- NAAC peer team has visited the college during the period **03.06.2022** and **04.06.2022** for second cycle NAAC accreditation. Accordingly, executive committee of the National Assessment and Accreditation Council (NAAC) accredited our college with "A" grade valid up to **06.06.2027**.
- Based on the AICTE guidelines, Registrar, Anna University chennai, sent a letter no: 5749/AU/CAC/Honours/2022 dated **16.11.2022** stating that the 28th Academic council of Anna university has approved the implementation of award of i) B.E/B.Tech (Honours), ii) B.E/B.Tech (Honours) minor in other specialization and iii) B.E/B.Tech (Honours) in same discipline.
- NBA expert team visited our college for inspection from **28.10.2022** to **30.10.2022** towards reaccreditation of the programmes viz., **B.E. Electrical & Electronics Engg., B.E. Mechanical Engg., B.Tech Information Technology and B.E. Computer Science & Engineering** and National Board of Accreditation (NBA), New Delhi reaccredited the said programmes valid up to **30.06.2025**.

AGENDA 36.05: TO REPORT ABOUT THE PLACEMENT OF STUDENTS FOR THE YEAR 2022-2023

The Principal presented the details of the students placed through campus placement for the year 2022–2023.

The campus placement details of the students for the year 2022– 2023 were recorded (Annexure-II)

After appreciating the effort taken by the college in this regard and further discussion, the board confirmed the report.

AGENDA 36.06: TO REPORT AND DISCUSS THE UG/PG ADMISSIONS IN THE ACADEMIC YEAR 2022-23

The Principal presented the details of admission made in UG and PG courses of our institution for the academic year 2022-2023 for information.

I Year B.E./B.Tech. Admission

S.No.	Name of the Course	Sanctioned Intake	No. of Students admitted	AICTE Tuition fee waiver Supernumerary Seats
1.	B.E. Mechanical Engineering	60	61	1
2.	B.E. Electronics and Communication Engineering	120	122	2
3.	B.E. Computer Science and Engineering	120	125	5
4.	B.E. Electrical and Electronics Engineering	60	61	1
5.	B.E. Civil Engineering	60	56	-
6.	B.Tech. Information Technology	60	63	3
7.	B.Tech. Artificial Intelligence and Data Science	60	62	2
Total		540	550	14

I Year M.E./M.Tech. Admission

S.No.	Name of the Course	Sanctioned Intake	Total No. of Students admitted
1.	M.E. Energy Engineering	6	3
2.	M.E. Embedded System Technologies	12	4
3.	M.E. Computer Science and Engineering	12	6
4.	M.E. High Voltage Engineering	6	5
5.	M.Tech. Information Technology (Information & Cyber Warfare)	6	1
Total		42	19

The admission details of UG and PG students for the year 2022 –23 were recorded after discussion.

AGENDA 36.07: TO REPORT ABOUT THE RESULTS FOR UG & PG DEGREE EXAMINATIONS IN NOVEMBER 2021 AND APRIL 2022

The report about the results for November 2021 & April 2022 examinations were placed and recorded. (Annexure-III)

AGENDA 36.08: TO CONSIDER AND APPROVE THE RECOMMENDATION OF STAFF SELECTION COMMITTEE MEETING HELD ON 02.04.2022, 03.04.2022 09.07.2022, 10.07.2022, &13.08.2022

It was resolved to approve the recommendations of the Staff Selection Committee meeting held for recruitment of new faculties on 02.04.2022,03.04.2022, 09.07.2022 10.07.2022 & 13.08.2022 (Annexure IV).

AGENDA 36.09: TO CONSIDER AND APPROVE THE FACULTY PROMOTIONS SINCE THE LAST MEETING OF THE GOVERNING BOARD

The Principal presented the report about the faculty promotions given to qualified existing faculty as per the recommendation of expert committee meeting held on 02.04.2022,,03.04.2022 and 21.07.2022.

It was resolved to approve the faculty promotions granted to the faculty (Annexure V)

AGENDA 36.10: TO CONSIDER AND APPROVE THE RECOMMENDATION OF THE TEACHING STAFF PERFORMANCE APPRAISAL COMMITTEE MEETING HELD ON 21.07.2022

The Principal presented the recommendation of the teaching staff performance appraisal committee before the board.

It is resolved to approve the recommendations of the teaching staff performance appraisal committee meeting held on 21.07.2022 (Annexure VI).

AGENDA 36.11: TO CONSIDER AND APPROVE THE INCOME & EXPENDITURE STATEMENT OF THE INSTITUTION FOR THE YEAR 2021-2022

The principal presented income and expenditure statement of the institution for the year 2021-2022 and approved (Annexure VII).

AGENDA 36.12: TO CONSIDER AND APPROVE FINANCE COMMITTEE REPORT AND THE BUDGET FOR THE YEAR 2022-2023

The Principal presented the finance committee meeting report and budget for the year 2022-2023 and it was approved (Annexure VIII)

AGENDA 36.13: TO CONSIDER AND APPROVE THE RESOLUTIONS AND REGULATION PASSED IN 17TH MEETING AND 18TH OF ACADEMIC COUNCIL AND BOARD OF STUDIES

The Principal presented the resolutions and regulations passed in 17th and 18th meetings of academic council and board of studies.

It was resolved to approve the resolutions and regulations passed in the Seventeenth and eighteenth meetings of Academic Council (Annexure-IX)

AGENDA 36.14: TO DISCUSS AND APPROVE THE DEVELOPMENT PROPOSALS

The Principal presented the following development proposals for approval:

- It is proposed to setup Data Science Laboratory at the cost of Rs.40 Lakhs for newly started B.Tech. (Artificial Intelligence and Data Science) engineering course in the current academic year.
It was resolved to approve.
- Construction of open stadium at Foot Ball Ground with 1200 seating capacity has been started during the year 2022 and it is under progress.

It was resolved to ratify.

Finally meeting has come to an end after discussion on various issues on the above subjects.

R. Chennammal

Tmt. Chennammal Ramasamy
(Chairman)

R. Krishnamoorthy

Thiru.R.Krishnamoorthy
(Member)

A. Arunachalam

Thiru.R.Arunachalam
(Member)

C. Sankaranarayanan

Thiru.C.Sankaranarayanan
(Member)

Dr. K. Kalidasa Murugavel

Dr. K. Kalidasa Murugavel, M.E., Ph.D.,
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Selvi. A. Shanmathi
(Member)

Selvan A. Niteesh Ram
(Member)

Dr. S. Shanmugavel
(Director, NEC, Member)

Prof. M.R. Bhagwan Singh
(Former Professor- BMS College
of Engineering
Member, UGC Nominee)

Dr. S. Sidhardhan
(Professor & Head
Department of CIVIL Engg.
GCE, Tirunelveli
Member, State Government Nominee)

Dr. M. Vijayaraj
(Professor & Head
Department of ECE Engg.
GCE, Tirunelveli
Member, University nominee)

Dr. M.A. Neelakantan
(Professor & Head / S&H, Member)

Dr. A. Shenbagavalli
(Professor & Head / ECE, Member)

Dr. K. Kalidasa Murugavel
(Principal/ Member Secretary)

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(An Autonomous Institution – Affiliated to Anna University Chennai)

17th ACADEMIC COUNCIL MEETING

Date: 26/07/2022

Time: 10.30 A.M

Venue: Conference Hall

Meeting Link :

<https://nec4962.webex.com/nec4962/j.php?MTID=m99bc8f9447bf06d707ba135b90193874>

AGENDA

- ❧ WELCOME ADDRESS – Dr.K.Kalidasa Murugavel, Chairman
- ❧ SPECIAL ADDRESS – Dr.S.Shanmugavel, Director
- ❧ Confirmation of Minutes of 16th Academic Council Meet
- ❧ Discussion - to amend clause 5.6 (Total Number of Credits), clause 12.4 of PG Degree programmes under R-2019 – Consideration of NPTEL and other platform courses for credit transfer
- ❧ Discussion - to amend clause 14.1.1 of UG Degree programmes under R-2019 – NPTEL online courses - Letter Grade calculation as per dynamic 'K' value, for the students admitted in 2019-20 batch only
- ❧ Approval - to amend clause 11.2 of UG Degree programmes under R-2019 – System of Examination and Assessment Procedure (*for 2021-2022 batch onwards*)
- ❧ Approval of First year Curriculum & Syllabus for B.Tech – Artificial Intelligence and Data Science under R-2019
- ❧ Approval for remaining Core courses, Open Elective courses and One credit courses for UG / PG degree programmes under R-2019
- ❧ ANY OTHER MATTER
- ❧ VOTE OF THANKS



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THE MINUTES OF THE 17th ACADEMIC COUNCIL

MINUTES OF THE 17th ACADEMIC COUNCIL MEETING HELD ON 26.07.2022 AT 10.30 A.M. IN THE WEBEX ONLINE MEET LINK <https://nec4962.webex.com/nec4962/j.php?MTID=m99bc8f9447bf06d707ba135b90193874>, NATIONAL ENGINEERING COLLEGE, KOVILPATTI UNDER THE CHAIRMANSHIP OF **Dr.K.KALIDASA MURUGAVEL**, PRINCIPAL.

The following are the academic council members:

Dr.K.Kalidasa Murugavel	Principal, National Engineering College
Academic Experts	
Dr.R.Raju	Professor / Dept. of Industrial Engg., Anna University, Chennai
Dr.D.Sriram Kumar	Professor / Dept. of ECE, NIT, Tiruchirapalli
Dr.P.Alagu Sundaramoorthy	Professor / Dept. of Civil Engineering, IITM, Chennai
Dr.Balaji Srinivasan	Professor / Dept. of Electrical Engineering, IITM, Chennai
Industrial Experts	
Dr.V.Veerappan	Cofounder & President, Tessolve Semiconductor Limited, Bangalore
Mr.M.Ganesh Thirunavukkarasu	Academic Relationship Manager – TN & P, Tata Consultancy Services Limited, Chennai
Dr.V.Narayanan	Director, LPSC, Indian Space Research Organization, Thiruvananthapuram
Mr.N.Lakshmi Narasimhan	General Manager – HR, Brakes India Private Limited, Chennai
Ms.A.Bhanurekha	Principal Officer, Chola Academy, Chennai

Shri. Utpal Borah	Scientist, IGCAR, Kalpakkam, Chennai
Mr.Srikanth Balasundaram	Orion Innovation, Information Technology and Services Edison, Chennai
University Nominees	
Dr. S.Valli	Professor / Dept. of CSE, Anna University, Chennai
Dr. Ranjani Parthasarathy	Professor / Dept. of IST, Anna University, Chennai
Dr.R.Saravanan	Professor / Dept. of Mechanical Engg., Anna University, Chennai
Special Invitees	
Dr.S.Shanmugavel	Director, National Engineering College
Dr.D.Manimegalai	Controller of Examinations, National Engineering College
Internal Members	
Dr. S.Tamil Selvi	Dean (Academic) & Prof. / ECE, National Engg. College
Dr.M.A.Neelakantan	Dean (R&D) & Head / S & H, National Engineering College
Dr.K.G.Srinivasagan	Dean (TCP) & Head / IT, National Engineering College
Dr.K.Manisekar	Prof. & Head / Mechanical, National Engineering College
Dr.A.Shenbagavalli	Prof. & Head / ECE, National Engineering College
Dr.V.Gomathi	Prof. & Head / CSE, National Engineering College
Dr.M.Willjuice Iruthayarajan	Prof. & Head / EEE, National Engineering College
Dr.C.Puthiyasekar	Prof. & Head / Civil, National Engineering College
Dr. S.Rammurthy	Prof. / Mathematics, National Engineering College
Dr.L.Kalaivani	Prof. / EEE, National Engineering College
Dr.R.Rajakumari	Asst. Prof. (SG) / CSE, National Engineering College
Mr.M.Sathishkumar	Asst. Prof. / ECE, National Engineering College
Student Members	
Mr.T.Anandhavel	Third year Mechanical
Mr.Ganapathy	Second year ECE
Ms.S.Suji	Third year CSE
Ms.G.Muthu Janani	Final year EEE
Mr.A.Anandh	Third year IT
Mr. M.Sriran	Final year Civil

The Industrial Expert Members **Dr.V.Narayanan**, Director, LPSC, Indian Space Research Organization, Thiruvananthapuram, Mr.M.Ganesh Thirunavukkarasu, Academic Relationship Manager – TN & P, Tata Consultancy Services Limited, Chennai and Mr.Srikanth Balasundaram, Orion Innovation, Information Technology and Services Edison, Chennai could not attend the meeting due to their prior commitments and unavoidable circumstances.

The meeting began with the welcome address by the Principal, Chairman, Academic Council, National Engineering College. He outlined briefly the various agenda items to be presented in the meeting. Following the address by the Principal, the Dean (Academic) moved the following agenda items on behalf of the Principal.

The following agenda items are considered and approved by the 17th Academic Council

DA 17.01 TO CONFIRM THE MINUTES OF SIXTEENTH ACADEMIC COUNCIL MEETING HELD ON 09th DECEMBER 2021

The minutes of the **16th Academic Council meeting** held on **09/12/2021** were communicated to the members vide **Email dated 24/12/2021**. The comments received have been incorporated and placed for confirmation. The same was approved by the council.

- Minutes of 16th Academic Council
- Action taken report for minutes of 16th Academic Council

DA 17.02 TO CONSIDER AND APPROVE THE DISCUSSION TO AMEND CLAUSES 14.1.1 AND 11.2 OF REGULATIONS 2019 FOR UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the discussion to amend Clauses 14.1.1 and 11.2 of Regulations 2019 for UG degree programmes of NATIONAL ENGINEERING COLLEGE

- AMENDMENTS OF UG REGULATIONS (R-2019)

DA 17.03 TO CONSIDER AND APPROVE THE DISCUSSION TO AMEND CLAUSES 5.6 AND 12.4 OF REGULATIONS 2019 FOR PG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the discussion to amend Clauses 5.6 and 12.4 of Regulations 2019 for PG degree programmes of NATIONAL ENGINEERING COLLEGE

- AMENDMENTS OF PG REGULATIONS (R-2019)

DA 17.04 TO CONSIDER AND APPROVE THE STANDING COMMITTEE MINUTES (24th Standing Committee Meeting Minutes on 27th Jan 2022 and 25th Standing Committee Meeting Minutes on 23rd June 2022)

RESOLVED TO APPROVE the standing committee minutes (24th Standing Committee Meeting Minutes on 27th Jan 2022 and 25th Standing Committee Meeting Minutes on 23rd June 2022)

➤ **Standing Committee Minutes**

DA 17.05 TO CONSIDER AND APPROVE THE ANNA UNIVERSITY MANDATORY ELECTIVE course – PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP (PRIEE) FOR B.E.ECE, B.E.CSE AND B.Tech.IT DEGREE PROGRAMMES UNDER R- 2019

RESOLVED TO APPROVE the Anna University mandatory Elective Course – (Professional Readiness for Innovation, Employability and Entrepreneurship) for B.E.ECE, B.E.CSE and B.TECH.IT Degree Programmes under R- 2019

➤ **PRIEE (Syllabus)**

BUSINESS BROUGHT FORWARD BY THE BOARD OF STUDIES

AGENDA FROM DEPARTMENT OF SCIENCE AND HUMANITIES

The Standing Committee of the Academic Council recommends, **Dr.M.A.Neelakantan, Chairman, Science and Humanities** to move the following items based on the decision of the Board of Studies in Science and Humanities.

SH 17.01 TO CONFIRM AND APPROVE THE CURRICULUM STRUCTURE AND FIRST YEAR SYLLABUS OF B.TECH. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE PROGRAMME UNDER R- 2019

RESOLVED TO APPROVE the curriculum structure and First year Syllabus of B.Tech. Artificial Intelligence and Data Science Programme under R- 2019

➤ **B.Tech. AI & DS – Curriculum Structure and First year Syllabus**

AGENDA FROM DEPARTMENT OF MECHANICAL ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr.K.Manisekar, Chairman, Mechanical Engineering** to move the following

items based on the decision of the Board of Studies in Mechanical Engineering.

ME 17.01 TO CONFIRM AND APPROVE THE SYLLABUS FOR OPEN ELECTIVE COURSES IN B.E. MECHANICAL ENGINEERING PROGRAMME UNDER R-2019

RESOLVED TO APPROVE the Syllabus for open elective courses in B.E. Mechanical Engineering Programme under R-2019

➤ **B.E. MECHANICAL – Open Elective Courses**

ME 17.02 TO CONSIDER AND APPROVE THE LIST OF EXAMINERS FOR END SEMESTER PROJECT VIVA-VOCE EXAMINATIONS - UG & PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the List of Examiners for End Semester Project Viva-voce Examinations - UG & PG degree Programme to be offered under R-2019

AGENDA FROM DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr.A.Shenbagavalli, Chairman, Electronics and Communication Engineering** to move the following items based on the decision of the Board of Studies in Electronics and Communication Engineering.

EC 17.01 TO CONSIDER AND APPROVE THE ADDITIONAL ELECTIVE COURSES FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the additional elective courses for UG degree programme to be offered under R-2019

➤ **B.E. ECE – Elective course under R-2019**

EC 17.02 TO CONSIDER AND APPROVE THE ANNA UNIVERSITY MANDATORY ELECTIVE COURSE (PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP) TO BE OFFERED UNDER

R-2019


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RESOLVED TO APPROVE the Anna University Mandatory Elective Course (Professional Readiness for Innovation, Employability and Entrepreneurship) to be offered under R-2019

EC 17.03 TO CONSIDER AND APPROVE THE LIST OF EXAMINERS FOR END SEMESTER PROJECT VIVA-VOCE EXAMINATIONS - UG & PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the List of Examiners for End Semester Project Viva-voce Examinations - UG & PG degree Programme to be offered under R-2019

AGENDA FROM DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr. V.Gomathi, Chairman, Computer Science and Engineering** to move the following items based on the decision of the Board of Studies in Computer Science and Engineering.

CS 17.01 TO CONSIDER AND APPROVE THE ADDITIONAL ONE CREDIT SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the additional one credit syllabus for UG degree programme to be offered under R-2019

➤ **B.E. CSE – One credit syllabus under R-2019**

CS 17.02 TO CONSIDER AND APPROVE THE REFINEMENT OF EXISTING COURSES FOR UG & PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the Refinement of existing courses for UG & PG degree programme to be offered under R-2019

CS 17.03 TO CONSIDER AND APPROVE THE ANNA UNIVERSITY MANDATORY ELECTIVE COURSE (PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP) TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the Anna University Mandatory Elective Course (Professional Readiness for Innovation, Employability and Entrepreneurship) to be offered under R-2019

CS 17.04 TO CONSIDER AND APPROVE THE LIST OF EXAMINERS FOR END SEMESTER PROJECT VIVA-VOCE EXAMINATIONS - UG & PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the List of Examiners for End Semester Project Viva-voce Examinations - UG & PG degree Programme to be offered under R-2019

AGENDA FROM DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr. M. Willjuice Iruthayarajan, Chairman, Electrical and Electronics Engineering** to move the following items based on the decision of the Board of Studies in Electrical and Electronics Engineering.

EE 17.01 TO CONSIDER AND APPROVE THE SYLLABUS OF PROGRAMME ELECTIVE COURSES FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the syllabus of Programme Elective courses for UG degree programme to be offered under R-2019

EE 17.02 TO CONSIDER AND APPROVE THE SYLLABUS OF ADDITIONAL ONE CREDIT COURSES FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the syllabus of additional one credit courses for UG degree programme to be offered under R-2019

➤ **B.E. EEE – One credit courses**

EE 17.03 TO CONSIDER AND APPROVE THE LIST OF EXAMINERS FOR END SEMESTER PROJECT VIVA-VOCE EXAMINATIONS - UG & PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019




RESOLVED TO APPROVE the List of Examiners for End Semester Project Viva-voce Examinations - UG & PG degree Programme to be offered under R-2019

AGENDA FROM DEPARTMENT OF CIVIL ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr.C.PUTHIYASEKAR, Chairman, Civil Engineering** to move the following items based on the decision of the Board of Studies in Civil Engineering.

CE 17.01 TO CONSIDER AND APPROVE THE SYLLABUS OF ADDITIONAL ONE CREDIT COURSES FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the syllabus of additional one credit courses for UG degree programme to be offered under R-2019

➤ **B.E. Civil – One credit courses**

CE 17.02 TO CONSIDER AND APPROVE THE LIST OF EXAMINERS FOR END SEMESTER PROJECT VIVA-VOCE EXAMINATIONS - UG & PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the List of Examiners for End Semester Project Viva-voce Examinations - UG & PG degree Programme to be offered under R-2019

AGENDA FROM DEPARTMENT OF INFORMATION TECHNOLOGY

The Standing Committee of the Academic Council recommends, **Dr.K.G.SRINIVASAGAN, Chairman, Information Technology** to move the following items based on the decision of the Board of Studies in Information Technology.

IT 17.01 TO CONSIDER AND APPROVE THE SYLLABUS OF ADDITIONAL ONE CREDIT COURSES FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the syllabus of additional one credit courses for UG degree programme to be offered under R-2019

➤ **B.Tech. IT – One credit syllabus under R-2019**

IT 17.02 TO CONFIRM AND APPROVE THE CURRICULUM STRUCTURE OF B.TECH. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE PROGRAMME UNDER R- 2019

RESOLVED TO APPROVE the curriculum structure of B.Tech. Artificial Intelligence and Data Science Programme under R- 2019

IT 17.03 TO CONSIDER AND APPROVE THE ANNA UNIVERSITY MANDATORY ELECTIVE COURSE (PROFESSIONAL READINESS FOR INNOVATION, EMPLOYABILITY AND ENTREPRENEURSHIP) TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the Anna University Mandatory Elective Course (Professional Readiness for Innovation, Employability and Entrepreneurship) to be offered under R-2019

IT 17.04 TO CONSIDER AND APPROVE THE LIST OF EXAMINERS FOR END SEMESTER PROJECT VIVA-VOCE EXAMINATIONS - UG & PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the List of Examiners for End Semester Project Viva-voce Examinations - UG & PG degree Programme to be offered under R-2019

ANY OTHER ITEMS, IF ANY, WITH THE PERMISSION OF THE CHAIRMAN OF THE ACADEMIC COUNCIL

Points suggested by the Academic Council

Members have given the following suggestions:

1. Three industry experts may be included in the list of examiners for the End Semester Project Viva-voce Examinations.
2. The procedure for NPTEL grading for UG degree programme may be adopted for PG degree programme also.
3. The course on Data Science may be introduced in all branches.
4. For CSE, one credit course - Kali Linux, practical component may be included.



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CHAIRMAN / ACADEMIC COUNCIL

National ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
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Actions Taken Report on Minutes of 16th Academic Council Meeting

S. No.	Action Initiated	Action Taken
1.	The amendments in Clause 11.3, 12.5, 14.1, 15.1 and 18.2 of Regulations 2019 For UG degree programmes	Implemented
2.	Transfer of student between Institutions in 3 rd semester B.Tech (IT)	Implemented
3.	For UG degree programmes under R- 2019 updated syllabus for Product Development Laboratory	Implemented
4.	For online courses, if the course experts available inside the institution then allow them to choose the particular courses. It will help to evaluate the students	Implemented
5.	For Mechanical Engineering, <ul style="list-style-type: none"> The Syllabus of "Product Life Cycle Management" and revision of "Product Development Laboratory" as an integrated course 	Incorporated in the curriculum
6.	For ECE, <ul style="list-style-type: none"> The syllabus of new elective courses and One Credit Courses for UG degree programme under R-2019 The syllabus of new elective courses for PG degree programme under R-2019 DBMS syllabus to be changed as relevant to IOT 	Incorporated in the curriculum
7.	For CSE, <ul style="list-style-type: none"> The syllabus of new Elective Courses and One credit course for UG degree programme under R-2019 	Incorporated in the curriculum

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8.	<p>For EEE,</p> <ul style="list-style-type: none"> • The introduction of new one credit Course "Switchgear and Protection Laboratory" for UG degree programme under R-2019 • The syllabus of Programme Elective courses for UG degree programme under R-2019 	Incorporated in the curriculum
9.	<p>For IT,</p> <ul style="list-style-type: none"> • The Business Project Management – A core course may be shifted from 7th semester to 6th semester. A programme elective course may be shifted from 6th semester to 7th semester 	Incorporated in the curriculum


CHAIRMAN / ACADEMIC COUNCIL




Dr. K. Kalidasa Murugavel, M.E., Ph.D.,
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17th ACADEMIC COUNCIL MEETING on 26.07.2022

WEBEX ONLINE MEET LINK

<https://nec4962.webex.com/nec4962/j.php?MTID=m99bc8f9447bf06d707ba135b90193874>

NEC - 17th Academic Council Meeting-20220726 0900-1

 National Engineering College, Kovilpatti	Dean Academic	Balaji Srinivasan, Il...	Ranjani
 Prof. Dr. R. Raju	Utpal Borah	Suji S	SRIRAM KUMAR D
	Bhanurekha	P. Alagusundaramo...	



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NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI

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18th ACADEMIC COUNCIL MEETING

**Venue: Conference Hall of the Administrative Block
National Engineering College, Kovilpatti**

Date: 07.01.2023

Time: 10.30 AM

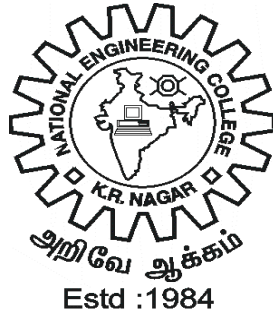
AGENDA

- ❧ WELCOME ADDRESS – Dr.K.Kalidasa Murugavel, Chairman
- ❧ SPECIAL ADDRESS – Dr.S.Shanmugavel, Director
- ❧ Brief Presentation about the Academic Process
- ❧ Confirmation of Minutes of 17th Academic Council Meet
- ❧ Discussion – to amend clause 4.5 of UG Degree programmes under R-2019 - Internship / Inplant Training
- ❧ Discussion – to amend clause 4.8 of UG Degree programmes under R-2019 – Project work / Industry Practice
- ❧ Discussion - to amend clause 11.2 of UG Degree programmes under R-2019
 - EVALUATION OF THE COURSES (*For the batches admitted during 2019 – 2020 and 2020 - 2021 only*)
 - EVALUATION OF THE COURSES (*For the batch admitted from 2021 – 2022 onwards*)
- ❧ Discussion - to amend clause 12.5.5 of UG Degree programmes under R-2019 – Industry Practice
- ❧ Discussion of R-2019 UG Degree programmes Award of
 - B.E. / B.Tech. – Honors
 - B.E. / B.Tech. – Honors with specialization
 - B.E. / B.Tech. – Minor Degree
- ❧ Approval - Break of Study of Ms.S.Sahana (Reg. No. 2112042) Second year of B.E. – Computer Science and Engineering
- ❧ Approval - Verticals for awarding Honors, Honors with specialization and Minor degree
- ❧ Approval for remaining Elective courses and One credit courses for UG degree programmes under R-2019
- ❧ ANY OTHER MATTER
- ❧ VOTE OF THANKS

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THE MINUTES OF THE 18th ACADEMIC COUNCIL

MINUTES OF THE 18th ACADEMIC COUNCIL MEETING HELD ON **07.01.2023**
AT **10.30 A.M.** IN THE CONFERENCE HALL OF ADMINISTRATIVE BLOCK, NATIONAL
ENGINEERING COLLEGE, KOVILPATTI UNDER THE CHAIRMANSHIP OF
Dr.K.KALIDASA MURUGAVEL, PRINCIPAL

The following are the academic council members:

Dr.K.Kalidasa Murugavel	Principal, National Engineering College
Academic Experts	
Dr.P.Alagu Sundaramoorthy	Professor / Dept. of Civil Engineering, IITM, Chennai
Dr.V.Sankaranarayanan	Professor / Department of EEE, NIT, Trichy
Dr.R.Saravanan	Professor, Department of Mechanical Engineering, Anna University, Chennai
Dr.S.Swamynathan	Professor, Dept. of Information Science and Technology, Anna University, Chennai
Industrial Experts	
Dr.V.Veerappan	Cofounder & President, Tessolve Semiconductor Limited, Bangalore
Mr.Gurusamy S V	Chairman cum Managing Director, Elite Engineering & Construction (Hyd) Pvt. Ltd., Gachibowli, Hyderabad
Mr.N.Lakshmi Narasimhan	General Manager – HR, Brakes India Private Limited, Chennai
Mr.S.Suresh	Senior Vice President & Business Head, Wheels India Limited, Chennai
Mr. Senthil Ramalingam	Senior Director - Enterprise Engineering & Digital Experience at Cognizant Technology Services, Coimbatore

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Mr.Ramanathan Arunachalam	Director – Products with Magellan X, Feather lite work space, 200 Ft. Radial Road, Pallavaram, Chennai
Mr.Srikanth S Valuthur	CXO Level Professional / Top Management Executive, Hybrid Cloud Services, IBM Consulting, APAC, Chennai
University Nominees	
Dr. M.Vijayaraj	Professor & Head, Department of Electronics and Communication Engineering, Government College of Engineering, Tirunelveli
Dr. K.Linga Durai	Professor & Dean, Anna University Regional Campus, Kanyakumari National Highway, Madurai
Dr.G.Kumaraguruparan	Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai
Special Invitees	
Dr.S.Shanmugavel	Director, National Engineering College
Dr.D.Manimegalai	Controller of Examinations, National Engineering College
Internal Members	
Dr.M.A.Neelakantan	Sr. Dean (IFA) & Head / S & H, National Engg. College
Dr.K.G.Srinivasagan	Dean (TCP) / Head / IT, National Engineering College
Dr.K.Manisekar	Dean (I & E) & Head / Mechanical, National Engg College
Dr.A.Shenbagavalli	Prof. & Head / ECE, National Engineering College
Dr.V.Gomathi	Prof. & Head / CSE, National Engineering College
Dr.M.Willjuice Iruthayarajan	Prof. & Head / EEE, National Engineering College
Dr.C.Puthiyasekar	Prof. & Head / Civil, National Engineering College
Dr.V.Kalaivani	Prof. & Head / AI & DS, National Engineering College
Dr.S.Rammurthy	Prof. / Mathematics, National Engineering College
Dr.K.Mohaideen Pitchai	Prof. / CSE, National Engineering College
Dr.R.V.Maheswari	Prof. / EEE, National Engineering College
Dr.T.S.Arun Samuel	Prof. / ECE, National Engineering College
Dr.V.Kannan	Asso. Prof. / Civil, National Engineering College
Dr.D.Vignesh Kumar	Asst. Prof. (SG) / Mechanical, National Engg. College
Student Members	
Mr.T.Anandhavel	Final year Mechanical
Mr.M.S.Bala Ayyappan	Third year ECE
Ms.S.Suji	Final year CSE



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Ms.P.Apsara Vahini	Third year EEE
Mr.A.Anandh	Final year IT
Mr. M.Sriram	Final year Civil

The Industrial expert members **Mr.N.Lakshmi Narasimhan**, General Manager – HR, Brakes India Private Limited, Chennai, **Mr.S.Suresh**, Senior Vice President & Business Head, Wheels India Limited, Chennai and **Mr. Senthil Ramalingam**, Senior Director - Enterprise Engineering & Digital Experience at Cognizant Technology Services, Coimbatore could not attend the meeting due to their prior commitments and unavoidable circumstances.

The meeting began with the welcome address by the Principal, Chairman, Academic Council, National Engineering College. He outlined briefly the academic process in the institution and various agenda items to be presented in the meeting. Following the address by the Principal, the Dean (Academic) moved the following agenda items on behalf of the Principal.

The following agenda items are considered and approved by the 18th Academic Council

DA 18.01 TO CONFIRM THE MINUTES OF SEVENTEENTH ACADEMIC COUNCIL MEETING HELD ON 26th JULY 2022

The minutes of the **17th Academic Council meeting** held on **26/07/2022** were communicated to the members vide **Email dated 28/07/2022**. The comments received have been incorporated and placed for confirmation. The same was approved by the council.

➤ **Minutes of 17th Academic Council**

➤ **Action taken report for minutes of 17th Academic Council**

DA 18.02 TO CONSIDER AND APPROVE THE AMENDMENTS TO CLAUSE 4.5, 4.8, 4.11, 6.10.2, 11.2, 12.5.5 AND 15.0 OF REGULATIONS 2019 FOR UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE
RESOLVED TO APPROVE the amendments to Clause 4.5, 4.8, 4.11, 6.10.2, 11.2, 12.5.5 and 15.0 of Regulations 2019 for UG degree programmes of National Engineering College

➤ **AMENDMENTS OF REGULATIONS FOR UG (R-2019)**



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DA 18.03 TO CONSIDER AND APPROVE THE AMENDMENTS TO CLAUSE 12.4.1 OF REGULATIONS 2019 FOR PG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the amendments to Clause 12.4.1 of Regulations 2019 for PG degree programmes of National Engineering College

➤ **AMENDMENTS OF REGULATIONS FOR PG (R-2019)**

DA 18.04 TO CONFIRM AND APPROVE VERTICALS FOR AWARDING HONOURS, HONOURS WITH SPECIALIZATION AND MINOR DEGREE UNDER REGULATION 2019.

RESOLVED TO APPROVE Verticals for awarding Honours, Honours with specialization and Minor degree under Regulation 2019.

BUSINESS BROUGHT FORWARD BY THE BOARD OF STUDIES

AGENDA FROM DEPARTMENT OF MECHANICAL ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr. K.Manisekar, Chairman, Mechanical Engineering** moves the following items based on the decision of the Board of Studies in Mechanical Engineering.

ME 18.01 TO CONSIDER AND APPROVE VERTICALS FOR AWARDING HONOURS, HONOURS WITH SPECIALIZATION AND MINOR DEGREE UNDER REGULATION 2019

RESOLVED TO APPROVE Verticals for awarding Honours, Honours with Specialization and Minor Degree under Regulation 2019

ME 18.02 TO CONSIDER AND APPROVE THE PROFESSIONAL ELECTIVE COURSES FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the professional elective courses for UG degree programme to be offered under R-2019



➤ **B.E. MECHANICAL – LIST OF COURSES**

ME 18.03 TO CONSIDER AND APPROVE THE ADDITIONAL ELECTIVE COURSES FOR PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the additional elective courses for PG degree programme to be offered under **R-2019**

➤ **M.E. ENERGY ENGINEERING – LIST OF COURSES**

AGENDA FROM DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr.A.Shenbagavalli, Chairman, Electronics and Communication Engineering** moves the following items based on the decision of the Board of Studies in Electronics and Communication Engineering.

EC 18.01 TO CONSIDER AND APPROVE VERTICALS FOR AWARDING HONOURS, HONOURS WITH SPECIALIZATION AND MINOR DEGREE UNDER REGULATION 2019

RESOLVED TO APPROVE Verticals for Awarding Honours, Honours with Specialization and Minor Degree under Regulation 2019

EC 18.02 TO CONSIDER AND APPROVE THE ADDITIONAL ELECTIVE COURSE SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the additional elective course syllabus for UG degree programme to be offered under R-2019

➤ **B.E. ECE - Elective Course Syllabus**

AGENDA FROM DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr. V.Gomathi, Chairman, Computer Science and Engineering** moves the following items based on the decision of the Board of Studies in Computer Science and Engineering.

CS 18.01 TO CONSIDER AND APPROVE VERTICALS FOR AWARDING HONOURS, HONOURS WITH SPECIALIZATION AND MINOR DEGREE UNDER REGULATION 2019



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RESOLVED TO APPROVE Verticals for Awarding Honours, Honours with Specialization and Minor Degree under Regulation 2019

CS 18.02 TO CONSIDER AND APPROVE THE ADDITIONAL ELECTIVE COURSE SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the additional elective course syllabus for UG degree programme to be offered under R-2019

➤ **B.E. CSE - Elective Course Syllabus**

CS 18.03 TO CONSIDER AND APPROVE THE ADDITIONAL ELECTIVE COURSE SYLLABUS FOR PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the additional elective course syllabus for PG degree programme to be offered under R-2019

➤ **M.E. CSE - Elective Course Syllabus**

AGENDA FROM DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr. M. Willjuice Iruthayarajan, Chairman, Electrical and Electronics Engineering** moves the following items based on the decision of the Board of Studies in Electrical and Electronics Engineering.

EE 18.01 TO CONSIDER AND APPROVE VERTICALS FOR AWARDED HONOURS, HONOURS WITH SPECIALIZATION AND MINOR DEGREE UNDER REGULATION 2019

RESOLVED TO APPROVE Verticals for Awarding Honours, Honours with Specialization and Minor Degree under Regulation 2019

EE 18.02 TO CONSIDER AND APPROVE THE ELECTIVE COURSE SYLLABUS FOR INCORPORATING VERTICALS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the elective course syllabus for incorporating verticals for UG degree programme to be offered under R-2019

➤ **B.E. EEE – Elective Course Syllabus**



AGENDA FROM DEPARTMENT OF INFORMATION TECHNOLOGY

The Standing Committee of the Academic Council recommends, **Dr.K.G.Srinivasagan, Chairman, Information Technology** moves the following items based on the decision of the Board of Studies in Information Technology.

IT 18.01 TO CONSIDER AND APPROVE VERTICALS FOR AWARDING HONOURS, HONOURS WITH SPECIALIZATION AND MINOR DEGREE UNDER REGULATION 2019

RESOLVED TO APPROVE Verticals for Awarding Honours, Honours with Specialization and Minor Degree under Regulation 2019

IT 18.02 TO CONSIDER AND APPROVE THE Refinement of SECOND SEMESTER COURSES For B.Tech AI & DS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019

RESOLVED TO APPROVE the Refinement of Second Semester Courses for B.Tech AI & DS for UG degree programme to be offered under R-2019

➤ [B.Tech. AI & DS – Course Syllabus](#)

AGENDA FROM DEPARTMENT OF CIVIL ENGINEERING

The Standing Committee of the Academic Council recommends, **Dr.C.PUTHIYA SEKAR, Chairman, Civil Engineering** moves the following items based on the decision of the Board of Studies in Civil Engineering.

CE 18.01 TO CONSIDER AND APPROVE VERTICALS FOR AWARDING HONOURS, HONOURS WITH SPECIALIZATION AND MINOR DEGREE UNDER REGULATION 2019

RESOLVED TO APPROVE Verticals for Awarding Honours, Honours with Specialization and Minor Degree under Regulation 2019

CE 18.02 TO CONSIDER AND APPROVE THE ADDITIONAL ELECTIVE COURSE SYLLABUS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019



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RESOLVED TO APPROVE the additional elective course syllabus for UG degree programme to be offered under **R-2019**

➤ **B.E. – CIVIL Elective courses**

ANY OTHER ITEMS, WITH THE PERMISSION OF THE CHAIRMAN OF THE ACADEMIC COUNCIL

Points suggested by the Academic Council members

1. The committee members recommend that minimum eligibility to get Honours is 8.5 CGPA.
2. For Industry Practice, feedback / confidential report shall be received from industry mentor.
3. In ECE, Cyber Security verticals, various tools may be used to detect threats.
4. In CSE, name of Computational Programming verticals may be renamed as Industry 4.0.
5. In EEE, Electric Vehicle Technology verticals, two more electives may be added.
6. In IT, Data Science verticals, R-Programming Courses shall be included.
7. In PG, Project work / Industry Practice shall be adopted.
8. Change the CO5 of all courses to recent developments. Faculties can share the recent developments in industries among the students.


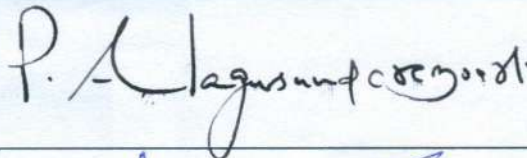

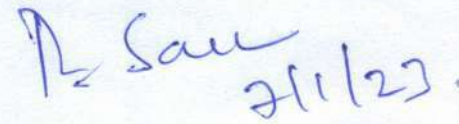




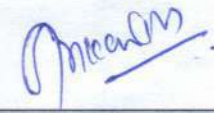

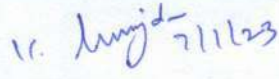


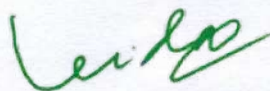
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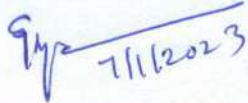

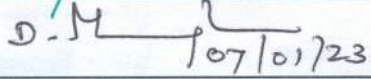


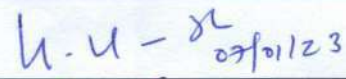



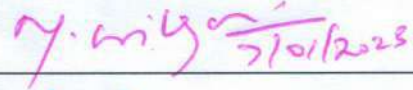


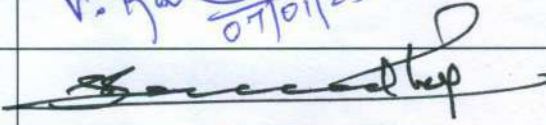

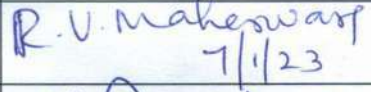
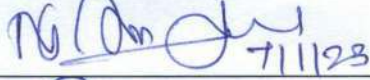

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Members Present

Dr.K.Kalidasa Murugavel Academic Council Chairman National Engineering College	
Academic Experts	
Dr. P.Alagu Sundaramoorthy Professor Department of Civil Engineering, IITM, Chennai	
Dr.V.Sankaranarayanan Professor & Head Department of EEE, National Institute of Technology, Trichy	
Dr.R.Saravanan Professor Department of Mechanical Engineering Anna University, Chennai	
Dr. S.Swamynathan Professor, Dept. of Information Science and Technology, Anna University, Chennai	
Industrial Experts	
Dr.V.Veerappan Cofounder & President, Tessolve Semiconductor Limited, Bangalore	
Mr. Gurusamy S V Chairman cum Managing Director, Elite Engineering & Construction (Hyd) Pvt. Ltd., Hyderabad, Telangana	
Mr.Ramanathan Arunachalam Director – Products with Magellan X Feather lite work space, 200 Ft. Radial Road, Pallavaram, Chennai	
Mr.Srikanth S Valuthur CXO Level Professional / Top Management Executive, Hybrid Cloud Services, IBM Consulting, APAC, Chennai	
University Nominees	
Dr. M.Vijayaraj Professor & Head, Department of ECE, Government College of Engineering, Tirunelveli	
Dr. K.Linga Durai Professor & Dean, Anna University Regional Campus, Madurai NH-7, Kanyakumari National Highway, Madurai	



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Dr.G.Kumaraguruparan Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai	 7/1/2023
Special Invitees	
Dr.S.Shanmugavel Director	
Dr. D.Manimegalai Controller of Examinations	 107/01/23
Internal Members	
Dr.S.Tamil Selvi Prof. & Dean (Academic)	 7/1/23
Dr.M.A.Neelakantan Sr. Dean (IFA) & Head / S & H	
Dr.K.Manisekar Dean (I&E)-& Head / Mechanical Engg.	 07/01/23
Dr.K.G.Srinivasagan Dean (TCP) & Head / IT	
Dr.A.Shenbagavalli Prof. & Head / ECE	 7/1/2023
Dr.V.Gomathi Prof. & Head / CSE	 7/1/23
Dr.M.Willjuice Iruthayarajan Prof. & Head / EEE	 7/01/2023
Dr.C.Puthiyasekar Prof. & Head / Civil	
Dr.V.Kalaivani Prof. & Head / AI & DS	 07/01/23
Dr.S.Rammurthy Prof. / Mathematics	
Dr.K.Mohaideen Pitchai Prof. / CSE	
Dr.R.V.Maheswari Prof. / EEE	 7/1/23
Dr.T.S.Arun Samuel Prof. / ECE	 7/1/23
Dr.V.Kannan Asso. Prof. / Civil	 7/1/23
Dr.D.Vignesh Kumar Asst. Prof. (SG) / Mechanical	
Student Members	
Mr.T.Anandhavel Final year Mechanical	T. Anandhavel



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Mr.M.S.Bala Ayyappan Third year ECE	<i>Bela Ayyappan MS</i>
Ms.S.Suji Final year CSE	<i>Suji</i>
Ms. P. Apsara Vahini Third year EEE	<i>P. Apsara Vahini</i>
Mr.A.Anandh Final year IT	<i>A. Anandh</i>
Mr. M.Sriram Final year Civil	<i>M. Sriram</i>



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CHAIRMAN
ACADEMIC COUNCIL

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Actions Taken Report on Minutes of 17th Academic Council Meeting

S. No.	Action Initiated	Action Taken
1.	The amendments in Clause 14.1.1 and 11.2 of Regulations 2019 For UG degree programmes	Implemented
2.	The amendments in Clause 5.6 and 12.4 of Regulations 2019 For PG degree programmes	Implemented
3.	List of Examiners for End Semester Project Viva-voce Examinations - UG & PG degree Programme to be offered under R-2019 Three industry experts may be included in the list of examiners for the End Semester Project Viva-voce Examinations	Implemented
4.	For ECE, CSE and IT, <ul style="list-style-type: none"> Anna University mandatory Elective Course – (Professional Readiness for Innovation, Employability and Entrepreneurship) for UG Degree Programmes under R- 2019 	Implemented
5.	For Science and Humanities, <ul style="list-style-type: none"> The curriculum structure and first year syllabus of B.Tech. Artificial intelligence and Data Science Programme under R-2019 	Incorporated in the curriculum
6.	For Mechanical Engineering, <ul style="list-style-type: none"> The Syllabus of open elective courses in B.E.Mechanical Engineering Programme under R-2019 	Incorporated in the curriculum
7.	For ECE, <ul style="list-style-type: none"> The syllabus of new elective courses and One Credit Courses for UG degree programme under R-2019 	Incorporated in the curriculum
8.	For CSE, <ul style="list-style-type: none"> The syllabus of new Elective Courses and One credit course for UG degree programme under R-2019 	Incorporated in the curriculum


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	<ul style="list-style-type: none"> The refinement of existing courses for UG & PG degree programme to be offered under R-2019 One credit course - Kali Linux, practical component for UG degree programme under R-2019 	
9.	<p>For EEE,</p> <ul style="list-style-type: none"> The syllabus of programme elective courses, one credit Courses for UG degree programme under R-2019 	Incorporated in the curriculum
10.	<p>For Civil,</p> <ul style="list-style-type: none"> The syllabus of new elective courses, one credit Courses for UG degree programme under R-2019 	Incorporated in the curriculum
11.	<p>For IT,</p> <ul style="list-style-type: none"> The curriculum structure of B.Tech. Artificial Intelligence and Data Science Programme under R- 2019 The syllabus of new elective courses, one credit Courses for UG degree programme under R-2019 	Incorporated in the curriculum
12.	NPTEL grading for UG degree programme may be adopted for PG degree programme	Implemented

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AMENDMENTS IN UG / PG REGULATION 2019 (18th Academic Council Meeting on 07.01.2023)

AMENDMENTS TO CLAUSE 4.5, 4.8, 4.11, 6.10.2, 11.2, 12.5.5, 15.0, 15.3, 18.1 and 18.2 OF R-2019 UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

Existing UG Regulations - 2019	Amended UG Regulations - 2019										
<p>4.5 Inplant Training / Internship</p> <p>4.5.1 The students may undergo Inplant Training / Internship at industry or research organization or university or Live-in-Lab for the period prescribed in the curriculum during summer and winter vacation. The number of credits shall be assigned as detailed in Table-5. In such cases, Industrial Training / Internship need to be undergone continuously from one organization only.</p> <p style="text-align: center;">TABLE - 5 CREDIT FOR INPLANT TRAINING / INTERNSHIP</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Duration of Training / Internship</th> <th style="text-align: center;">Credits</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2 Weeks</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">4 Weeks</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="text-align: center;">6 Weeks</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">8 or more Weeks</td> <td style="text-align: center;">4</td> </tr> </tbody> </table>	Duration of Training / Internship	Credits	2 Weeks	1	4 Weeks	2	6 Weeks	3	8 or more Weeks	4	<p>4.5 Internship / Inplant Training</p> <p>4.5.1 All the students should undergo Internship / Inplant Training at industry or research organization or university or Live-in-Lab for the period of one month and its equivalent credit is 2. The Heads of the Departments shall ensure that the necessary arrangements are made in this regard.</p>
Duration of Training / Internship	Credits										
2 Weeks	1										
4 Weeks	2										
6 Weeks	3										
8 or more Weeks	4										
<p>4.0 STRUCTURE OF THE PROGRAMMES</p> <p>4.8 Industrial Visit</p> <p>Every student is required to go for one Industrial visit every year starting from the second year of the programme. The Heads of the Departments shall ensure that the necessary arrangements are made in this regard.</p> <p>4.9 Medium of Instruction</p> <p>The medium of instruction shall be English for all the courses, examinations,</p>	<p>4.0 STRUCTURE OF THE PROGRAMMES</p> <p>4.8 Project work / Industry Practice</p> <p>4.8.1 Project work</p> <p>Project work is one of the skill development courses in the curriculum. Under the supervision of a faculty member, final year student is required to do some innovative work for a societal problem with the knowledge gained after undergoing various theory and laboratory courses during their study. A single student or group of students (not exceeding 4 per group) shall exhibit both analytical and practical skills through their project work.</p>										


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AMENDMENTS IN UG / PG REGULATION 2019 (18th Academic Council Meeting on 07.01.2023)

Existing UG Regulations – 2019	Amended UG Regulations - 2019
<p data-bbox="152 233 963 260">seminar, presentations and project/thesis/dissertations reports.</p>  <p data-bbox="512 1342 954 1497">Dr. K. Kalidasa Murugavel, M.E., Ph.D., PRINCIPAL NATIONAL ENGINEERING COLLEGE K.R. NAGAR, KOVILPATTI - 628 503. THOOTHUKUDI-DIST</p>	<p data-bbox="1240 233 2186 363">Project work-I carries 3 credits, shall be registered in the 7th semester. Project work-II carries 6 credits shall be registered in 8th semester and it need not be a continuation of project work –I.</p> <p data-bbox="1149 387 1464 414">4.8.2 Industry Practice</p> <p data-bbox="1245 438 2186 624">Industry practice is a skill development course in the curriculum, wherein the student has to undergo industrial training under the industry mentor in a specific domain for one semester continuously. The students may register for industry practice during 8th semester.</p> <p data-bbox="1171 647 2186 880">4.8.3 The students who have got internship offer in a company for duration of 10 to 15 weeks, shall register for Industry practice instead of Project work-II with the proper approval from Industry, Placement cell and concerned Head of the Department. They have to register the course within one week after the commencement of 8th semester.</p> <p data-bbox="1171 904 2186 1090">4.8.4 Those students who have undertaken industrial projects during the eighth semester should have completed their courses prescribed in the curriculum well in advance otherwise they can do such a course through online mode subject to a maximum of one course.</p> <p data-bbox="1149 1114 1453 1141">4.9 Industrial Visit</p> <p data-bbox="1245 1165 2186 1295">Every student is required to go for one Industrial visit every year starting from the second year of the programme. The Heads of the Departments shall ensure that the necessary arrangements are made in this regard.</p> <p data-bbox="1149 1319 1547 1347">4.10 Medium of Instruction</p> <p data-bbox="1245 1370 2186 1501">The medium of instruction shall be English for all the courses, examinations, seminar, presentations and project/thesis/dissertations reports.</p>

AMENDMENTS IN UG / PG REGULATION 2019 (18th Academic Council Meeting on 07.01.2023)


Existing UG Regulations – 2019	Amended UG Regulations - 2019
<p>4.11 NIL</p>	<p>4.11 Verticals (For the batches admitted from 2021 – 2022 onwards)</p> <p>Elective courses are listed in groups called verticals that represent a particular area of specialisation / domain. Students are permitted to choose all the Electives from a particular vertical or from different verticals.</p> <p>ELIGIBILITY CRITERIA</p> <ul style="list-style-type: none"> ▪ For the categories B.E / B.Tech. (Honors with Specialization) and B.E / B.Tech. (Honors), the students will be permitted to register the courses from V Semester onwards provided the marks earned by the students until III semester should be of CGPA 7.50 and above and cleared all the courses in the first attempt. ▪ For the category B.E / B.Tech. (minor degree), the students will be permitted to register the courses from Semester V onwards provided the marks earned by the students until Semester III is CGPA 7.50 and above. <p>However, B.E. / B. Tech. (Hons) Specialisation in the same discipline, B.E / B.Tech. Honors and B.E. / B.Tech. minor in other specialisation degree will be optional for students.</p>
<p>6.10 Flexibility to Add or Drop Courses</p> <p>6.10.2 From the third to eighth semester, the student has the option of registering for additional courses or dropping existing courses. However, the student shall register for a minimum of 12 credits and a maximum of 30 credits in a semester.</p>	<p>6.10 Flexibility to Add or Drop Courses</p> <p>6.10.2 From the third to eighth semester, the student has the option of registering for additional courses or dropping existing courses. However, the student shall register for a maximum of 32 credits and a minimum of 12 credits (except in seventh and eighth semesters).</p>


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AMENDMENTS IN UG / PG REGULATION 2019 (18th Academic Council Meeting on 07.01.2023)

Existing UG Regulations - 2019	Amended UG Regulations - 2019																																												
<p>11.0 SYSTEM OF EXAMINATION AND ASSESSMENT PROCEDURE</p> <p>11.2 EVALUATION OF THE COURSES (For the batches admitted during 2019 - 2020 and 2020 - 2021 only)</p> <p>Each course, both theory/integrated and practical including project work shall be evaluated for a maximum of 100 marks. For all theory/integrated and practical courses including the project work, the continuous internal assessment shall carry 50% marks while the End Semester Examinations shall carry 50% marks. i.e., Each course shall be evaluated for a maximum of 100 marks as detailed in Table-8 (a).</p> <p style="text-align: center;">TABLE - 8 (a) EVALUATION OF THE COURSES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S. No.</th> <th style="width: 30%;">Category of Course</th> <th style="width: 20%;">Continuous Assessment</th> <th style="width: 25%;">End Semester Examinations</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Theory / Integrated Courses</td> <td>50 marks</td> <td>50 Marks</td> </tr> <tr> <td>2.</td> <td>Laboratory Courses</td> <td>50 Marks</td> <td>50 Marks</td> </tr> <tr> <td>3.</td> <td>Product Development Laboratory</td> <td>50 Marks</td> <td>50 Marks</td> </tr> <tr> <td>4.</td> <td>Project Work - I & II</td> <td>50 Marks</td> <td>50 Marks</td> </tr> </tbody> </table>	S. No.	Category of Course	Continuous Assessment	End Semester Examinations	1.	Theory / Integrated Courses	50 marks	50 Marks	2.	Laboratory Courses	50 Marks	50 Marks	3.	Product Development Laboratory	50 Marks	50 Marks	4.	Project Work - I & II	50 Marks	50 Marks	<p>11.0 SYSTEM OF EXAMINATION AND ASSESSMENT PROCEDURE</p> <p>11.2 EVALUATION OF THE COURSES (For the batches admitted during 2019 - 2020 and 2020 - 2021 only)</p> <p>Each course, both theory / integrated and practical including project work and Industry Practice shall be evaluated for a maximum of 100 marks as detailed in Table - 8 (a).</p> <p style="text-align: center;">TABLE - 8 (a) EVALUATION OF THE COURSES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S. No.</th> <th style="width: 30%;">Category of Course</th> <th style="width: 20%;">Continuous Assessment</th> <th style="width: 25%;">End Semester Examinations</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Theory / Integrated Courses</td> <td>50 marks</td> <td>50 Marks</td> </tr> <tr> <td>2.</td> <td>Laboratory Courses</td> <td>50 Marks</td> <td>50 Marks</td> </tr> <tr> <td>3.</td> <td>Product Development Laboratory</td> <td>50 Marks</td> <td>50 Marks</td> </tr> <tr> <td>4.</td> <td>Project Work - I & II</td> <td>50 Marks</td> <td>50 Marks</td> </tr> <tr> <td>5.</td> <td>Industry Practice</td> <td>--</td> <td>100 Marks</td> </tr> </tbody> </table>	S. No.	Category of Course	Continuous Assessment	End Semester Examinations	1.	Theory / Integrated Courses	50 marks	50 Marks	2.	Laboratory Courses	50 Marks	50 Marks	3.	Product Development Laboratory	50 Marks	50 Marks	4.	Project Work - I & II	50 Marks	50 Marks	5.	Industry Practice	--	100 Marks
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AMENDMENTS IN UG / PG REGULATION 2019 (18th Academic Council Meeting on 07.01.2023)

Existing UG Regulations - 2019				Amended UG Regulations - 2019			
2.	Laboratory Courses	60 Marks	40 Marks	2.	Laboratory Courses	60 Marks	40 Marks
3.	Theory Courses with Laboratory Component	50 Marks	50 Marks	3.	Theory Courses with Laboratory Component	50 Marks	50 Marks
4.	Product Development Laboratory	50 Marks	50 Marks	4.	Product Development Laboratory	60 Marks	40 Marks
5.	Project Work - I & II	50 Marks	50 Marks	5.	Project Work - I	40 Marks	60 Marks
				6.	Project Work - II	40 Marks	60 Marks
				7.	Industry Practice	--	100 Marks
12.5.5				12.5.5 INDUSTRY PRACTICE			
NIL				<p>After the completion of the industry practice as per clause 4.8.2, the student shall submit a completion certificate endorsed by the industry mentor. The industry mentor shall submit a feedback / confidential report to the concerned HODs. The course shall carry 100 marks and shall be evaluated through End Semester Examination (ESE) only. The ESE shall be conducted by the two member committee consisting of internal faculty member and external expert (preferably from industry) nominated by the COE in consultation with HOD.</p>			
15.0 AWARD OF LETTER GRADES				15.0 AWARD OF LETTER GRADES			
For the students who have not passed the examination, Reappearance (RA) shall be awarded				For the students who have not passed the examination, Reappearance (U) shall be awarded			
15.3		NIL		15.3			
 Dr. K. Kalidasa Murugavel, M.E., Ph.D., PRINCIPAL NATIONAL ENGINEERING COLLEGE K.R. NAGAR, KOVILPATTI - 628 503. THOOTHUKUDI - DIST				<p>15.3.1 If a student decides not to opt for Honours, after completing certain number of additional courses, the additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of Professional Elective courses required as per the</p>			


AMENDMENTS IN UG / PG REGULATION 2019 (18th Academic Council Meeting on 07.01.2023)

Existing UG Regulations – 2019	Amended UG Regulations - 2019
	<p>curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the mark sheet, however, they will not be considered for calculation of CGPA.</p> <p>15.3.2 If a student decides not to opt for Minor, after completing certain number of courses, the additional courses studied shall be considered instead of Open Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of open electives required as per the curriculum, the courses with higher grades shall be considered for calculation of CGPA. Remaining courses shall be printed in the mark sheet, however, they will not be considered for calculation of CGPA.</p>
<p>18.0 CLASSIFICATION OF THE DEGREE AWARDED</p> <p>18.1 First Class with Distinction</p> <p>A candidate who satisfies the following conditions shall be declared to have passed the examination in First Class with Distinction.</p> <ul style="list-style-type: none"> ▪ Should have passed the End Semester Examination in all the courses of all the eight semesters (six semesters in the case of lateral entry) in his/her First Appearance within five years (four years in the case of lateral entry) which includes authorized break of the study of one year. Withdrawal from examination (vide <i>clause 19.0</i>) will not be considered as an appearance. ▪ Should have secured a CGPA of not less than 8.50 ▪ Should not have been prevented from writing end semester examination due to lack of attendance in any of the courses. 	<p>18.0 CLASSIFICATION OF THE DEGREE AWARDED</p> <p>18.1 First Class with Distinction</p> <p>A candidate who satisfies the following conditions shall be declared to have passed the examination in First Class with Distinction.</p> <ul style="list-style-type: none"> ▪ Should have passed the End Semester Examination in all the courses of all the eight semesters (six semesters in the case of lateral entry) in his/her First attempt within five years (four years in the case of lateral entry) which includes authorized break of the study of one year. Withdrawal from examination (vide <i>clause 19.0</i>) will not be considered as an attempt. ▪ Should have secured a CGPA of not less than 8.50 ▪ Should not have been prevented from writing end semester examination due to lack of attendance in any of the courses.

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AMENDMENTS IN UG / PG REGULATION 2019 (18th Academic Council Meeting on 07.01.2023)

Existing UG Regulations - 2019	Amended UG Regulations - 2019
<div style="text-align: right; margin-bottom: 20px;">  Dr. K. Kalidasa Murugavel, M.E., Ph.D., PRINCIPAL NATIONAL ENGINEERING COLLEGE K.R. NAGAR, KOVILPATTI - 628-503. THOOTHUKUDI-DIST </div>	<p>B.E. / B.Tech. (Honours) specialization in the same discipline</p> <ul style="list-style-type: none"> ▪ The student should have earned additionally a minimum of 18 credits from a vertical of the same discipline. ▪ Students can earn maximum of 6 credits in online mode (SWAYAM platform), out of these 18 credits. ▪ Should have passed all the courses in the first attempt. ▪ Should have earned a minimum CGPA of 8.50. <p>B.E. / B.Tech. (Honours)</p> <ul style="list-style-type: none"> ▪ The students should have earned additional courses (minimum of 18 credits) from more than one vertical of the same discipline. ▪ Students can earn maximum of 6 credits in online mode (SWAYAM platform), out of these 18 credits. ▪ Should have passed all the courses in the first attempt. ▪ Should have earned a minimum CGPA of 8.50. <p>B.E. / B.Tech. (Minor in other Specialization)</p> <ul style="list-style-type: none"> ▪ The student should have earned additionally a minimum of 18 credits in any one of the verticals of other discipline. ▪ Students can earn maximum of 6 credits in online mode (SWAYAM platform), out of these 18 credits. ▪ Should have passed all the courses in the first attempt. ▪ Should have earned a minimum CGPA of 8.50.
<p>18.2 First Class</p> <p>A candidate who satisfies the following conditions shall be declared to have passed the examination in First Class.</p>	<p>18.2 First Class</p> <p>A candidate who satisfies the following conditions shall be declared to have passed the examination in First Class.</p>

AMENDMENTS IN UG / PG REGULATION 2019 (18th Academic Council Meeting on 07.01.2023)

Existing UG Regulations – 2019	Amended UG Regulations - 2019
<ul style="list-style-type: none"> ▪ Should have passed the End Semester Examination in all the courses of all the eight semesters (six semesters in the case of lateral entry) within five years (four years in the case of lateral entry). One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (four years in the case of lateral entry) for the award of First Class. ▪ Should have secured a CGPA of not less than 7.00 (<i>Applicable for the students admitted in 2019 – 2020, 2020 - 2021 batches only</i>) / 6.50 (<i>Applicable for the students admitted from 2021 – 2022 onwards</i>) 	<ul style="list-style-type: none"> ▪ Should have passed the End Semester Examination in all the courses of all the eight semesters (six semesters in the case of lateral entry) within five years (four years in the case of lateral entry). One year authorized break of study (if availed of) or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (four years in the case of lateral entry) for the award of First Class. ▪ Should have secured a CGPA of not less than 7.00 (<i>Applicable for the students admitted in 2019 – 2020, 2020 - 2021 batches only</i>) / 6.50 (<i>Applicable for the students admitted from 2021 – 2022 onwards</i>) <p>B.E. / B.Tech. (Honours) specialization in the same discipline</p> <ul style="list-style-type: none"> ▪ The student should have earned additionally a minimum of 18 credits from a vertical of the same discipline. ▪ Students can earn maximum of 6 credits in online mode (SWAYAM platform), out of these 18 credits. ▪ Should have passed all the courses in the first attempt. ▪ Should have earned a minimum CGPA of 7.50. ▪ Withdrawal from writing end semester examination will not be considered as an attempt. <p>B.E. / B.Tech. (Honours)</p> <ul style="list-style-type: none"> ▪ The students should have earned additional courses (minimum of 18 credits) from more than one vertical of the same discipline. ▪ Students can earn maximum of 6 credits in online mode (SWAYAM platform), out of these 18 credits.

AMENDMENTS IN UG / PG REGULATION 2019 (18th Academic Council Meeting on 07.01.2023)

Existing UG Regulations - 2019	Amended UG Regulations - 2019
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AMENDMENTS IN PG REGULATION 2019 CLAUSE 12.4.1 - (18th Academic Council Meeting on 07.01.2023)

Existing PG Regulations - 2019	Amended PG Regulations - 2019
<p>12.4.1 NPTEL Online courses</p> <p>Students may study online courses (which are provided with Certificate) with the approval of respective Head of the Department & Dean (Academic) subject to a maximum of 3 credits. The approved list of online courses will be provided by the office of Dean Academic from time to time. The Credit Equivalence shall be as follows:</p> <p>The NPTEL online course with minimum of 15 contact hours or 4 weeks duration may be considered as equivalent to one credit. Online courses with one, two, three, and four credit may be considered for credit transfer.</p>	<p>12.4.1 NPTEL Online courses</p> <p>Students may study online courses (which are provided with Certificate) with the approval of respective Head of the Department & Dean (Academic) subject to a maximum of 6 credits. The approved list of online courses will be provided by the office of Dean Academic from time to time. The Credit Equivalence shall be as follows:</p> <p>The NPTEL online course with minimum of 15 contact hours or 4 weeks duration may be considered as equivalent to one credit. Online courses with one, two, three, and four credit may be considered for credit transfer.</p>


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