NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI

(An Autonomous Institution – Affiliated to Anna University Chennai)

20th ACADEMIC COUNCIL MEETING

> **Venue: Conference Hall of the Administrative Block**
> **National Engineering College, Kovilpatti**
>
> **Date: 16.12.2023**   **Time: 11.00 AM**

AGENDA

- ✍ WELCOME ADDRESS by Principal

- ✍ SPECIAL ADDRESS by Director

- ✍ Confirmation of Minutes of 19th Academic Council Meeting

- ✍ To consider and approve the curriculum design framework under R-2023

- ✍ To consider and approve the syllabus of 2nd semester and 3rd semester Courses of UG degree programme under R-2023

- ✍ To consider and approve the Programme Elective Courses of UG degree programme under R-2023

- ✍ To consider and approve the syllabus of PG degree programme under R-2023

- ✍ ANY OTHER MATTER

- ✍ VOTE OF THANKS

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution – Affiliated to Anna University Chennai)

Estd :1984

THE MINUTES OF THE 20th ACADEMIC COUNCIL MEETING

MINUTES OF THE 20th ACADEMIC COUNCIL MEETING HELD ON **16.12.2023** AT **11.00 A.M.** IN THE ALUMNI CHAMBER, 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
Dr.K.Gunasekaran	Professor / Dept. of Civil Engineering, Anna University, Chennai
University Nominees	
Dr. M.Vijayaraj	Professor & Head, Department of ECE, Government College of Engineering, Tirunelveli
Dr. K.Linga Durai	Professor & Dean, Department of Mechanical Engineering, Anna University Regional Campus, Madurai
Dr.G.Kumaraguruparan	Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai
Industrial Experts	
Dr.V.Veerappan	Cofounder & President, Tessolve Semiconductor Limited, Bangalore
Mr.N.Lakshmi Narasimhan	Senior General Manager (Personnel & HR - LVBU), Brakes India Private Limited, Chennai
Mr.Ramanathan Arunachalam	Director – Products with Magellan X, Feather lite work space, 200 Ft. Radial Road, Pallavaram, Chennai

Mr. Senthil Ramalingam	Senior Director - Enterprise Engineering & Digital Experience at CTS, Coimbatore
Mr.Srikanth S Valuthur	CXO Level Professional / Top Management Executive, Hybrid Cloud Services, IBM Consulting, APAC, Chennai
Mr.N.Raja Subramanian	Senior Architect, Mistral Solutions Pvt Ltd, Kovilpatti
Dr.V.Govindaraj	Head, R&D, L&T Headquarters, Manappakkam, Chennai
Mr. Karthik Muthukrishnan	Senior Test and Yield Engineer, Amazon, Bengaluru
Dr K M Suceendran	Head – Academic Alliances / Academic Interface Program, TCS, Chennai
Mr. Rajaram Regupathy	System Architect, Intel Corporation, Bengaluru
Research & Development Experts	
Dr N Anandavalli	Senior Principal Scientist, Director of CSIR - Structural Engg., Research Centre, Chennai
Dr V Senthil Kumar	Group Director, Communication Systems Group, U.R. Rao Satellite Centre, Bengaluru
Alumni Experts	
Mr.Ponnusundar Murugiah	Associate Director, AT&T, Hyderabad
Mr. Ghouse Mohaideen Babu	Data Governance Lead, Philips India
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
Dr.A.Shenbagavalli	Prof. / ECE & Dean (Academic)
Dr.K.Manisekar	Prof. / Mechanical & Dean (I & E)
Dr.B.Paramasivan	Prof. / IT & Dean (SA & IR)
Dr.K.G.Srinivasagan	Prof. & Head / IT and Dean (TCP)
Dr.S.Iyahraja	Prof. & Head / Mechanical
Dr.S.Tamil Selvi	Prof. & Head / ECE
Dr.V.Gomathi	Prof. & Head / CSE
Dr.M.Willjuice Iruthayarajan	Prof. & Head / EEE
Dr.V.Kalaivani	Prof. & Head / AI & DS
Dr.C.Puthiya Sekar	Prof. & Head / Civil
Dr.S.Rammurthy	Prof. / Mathematics
Dr.L.Kalaivani	Head / SPQAC
Dr.K.Mohaideen Pitchai	Prof. / CSE
Dr.F.Michael Thomas Rex	Asso.Prof. / Mechanical Engineering
Dr.I.Shankar	Coordinator / EDC

Dr.V.Manimaran	Placement Convener
Mr.R.Muralidharan	Adjunct Faculty / S&H
Dr.K.Karunai Raghavan	Librarian
Student Members	
Mr. Sourav Sanjeev M	Third year Mechanical
Ms.J.Chobia Lakshmi	Third year ECE
Mr.D.Prasanna kumaar	Third year CSE
Ms.P. Apsaravahini	Final year EEE
Mr. M.Sundarraj	Final year IT
Mr. R.Heman	Final year Civil
Mr.G.Malaiarasu	Second year AI & DS

The *Academic expert member* **Dr.R.Saravanan**, Professor / Dept. of Mechanical Engineering, Anna University, Chennai, *Industrial expert members* **Mr.Senthil Ramalingam**, Senior Director - Enterprise Engineering & Digital Experience at CTS, Coimbatore, **Mr.Srikanth S Valuthur**, CXO Level Professional / Top Management Executive, Hybrid Cloud Services, IBM Consulting, Chennai, **Mr. Rajaram Regupathy**, System Architect, Intel Corporation, Bengaluru, R&D Expert Member **Dr.N.Anandavalli,** Senior Principal Scientist, Director of CSIR - Structural Engg., Research Centre, Chennai Alumni Expert member **Mr.Ponnusundar Murugiah,** Associate Director, AT&T, Hyderabad **and** Internal Members **Dr.C.Puthiyasekar**, Professor & Head / Department of Civil Engineering, **Mr.R.Muralidharan,** Adjunct Faculty / S&H could not attend the meeting due to their prior commitments and unavoidable circumstances.

The meeting began with the Principal's (Academic Council Chairman, National Engineering College) welcome address. He briefly outlined the various agenda items to be presented at the meeting.

The Dean (Academic) requested the Director to deliver the presidential Address.

The Director while addressing the Council, highlighted the importance of teaching learning process in higher educational Institution and the efforts taken by the Chairman and members of Board of Studies in framing the experiential learning based R-2023 curriculum structure. He also pointed out that more emphasis should be given for problem solving skills.

Following the address by the Director, the Dean (Academic) moved the following agenda items on behalf of the Principal.

The following agenda items are considered and approved by the 20th Academic Council

DA 20.01   **TO CONFIRM** THE MINUTES OF 19th ACADEMIC COUNCIL MEETING HELD ON 15th JULY 2023

The minutes of the **19th Academic Council meeting** held on **15/07/2023** were communicated to the members vide **Email dated 21/07/2023.** The comments received have been incorporated and placed for confirmation. The same was approved by the council.

> ➢ **Minutes of 19th Academic Council**
> ➢ **Action taken report for minutes of 19th Academic Council**

DA 20.02   **TO CONSIDER AND APPROVE** THE AMENDMENTS TO CLAUSE 4.2, 14.0 OF REGULATIONS 2023 FOR UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the amendments to **Clause 4.2** – One Credit course titled **Entrepreneurial Skill Development**, is introduced under the category of **One Credit Non-CGPA Courses in R-2019 & R-2023,**

RESOLVED TO APPROVE the amendments to **Clause 14.0 – Passing Requirements** of Regulations 2023 for UG degree programmes of National Engineering College

> ➢ **AMENDMENTS - UG REGULATIONS 2019 / 2023**

DA 20.03   **TO CONSIDER AND APPROVE** THE R-2023 CURRICULUM DESIGN FRAMEWORK

Chairman of ACM, Dr.K.Kalidasa Murugavel, presented the R-2023 curriculum design framework for approval

BUSINESS BROUGHT FORWARD BY THE BOARD OF STUDIES

AGENDA FROM DEPARTMENT OF MECHANICAL ENGINEERING

Dr.S.Iyahraja, Chairman, Mechanical Engineering moved the following items based on the decision of the Board of Studies in Mechanical Engineering.

ME 20.01   **TO CONSIDER AND APPROVE THE SYLLABUS OF 2nd SEMESTER AND 3rd SEMESTER COURSES FOR UG and PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

RESOLVED TO APPROVE the syllabus of 2nd semester and 3rd semester courses for UG and PG degree programmes to be offered under R-2023

> ➢ B.E. Mechanical Engineering – Syllabus
>
> ➢ M.E. Energy Engineering – Syllabus

ME 20.02   **TO CONSIDER AND APPROVE THE VERTICAL STRUCTURE AND COURSES OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

RESOLVED TO APPROVE the Vertical structure and courses for UG degree programmes to be offered under R-2023

AGENDA FROM DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr.S.Tamil Selvi, Chairman, Electronics and Communication Engineering moved the following items based on the decision of the Board of Studies in Electronics and Communication Engineering

EC 20.01   **TO CONSIDER AND APPROVE THE MODIFIED CURRICULUM STRUCTURE FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

RESOLVED TO APPROVE the modified curriculum structure for UG degree programmes to be offered under R-2023

> ➢ B.E. Electronics and Communication Engg. – Curriculum
>   Structure (Modified)

EC 20.02   **TO CONSIDER AND APPROVE THE SYLLABUS OF 2nd SEMESTER AND 3rd SEMESTER COURSES FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

RESOLVED TO APPROVE the syllabus of 2nd semester and 3rd semester courses for UG degree programmes to be offered under R-2023

> ➢ B.E. Electronics and Communication Engg. – Syllabus

AGENDA FROM DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Dr. V.Gomathi, Chairman, Computer Science and Engineering moved the following items based on the decision of the Board of Studies in Computer Science and Engineering.

CS 20.01   TO CONSIDER AND APPROVE THE SYLLABUS OF 2nd SEMESTER AND 3rd SEMESTER COURSES FOR UG and PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the syllabus of 2nd semester and 3rd semester courses for UG and PG degree programmes to be offered under R-2023

> ➢ B.E. Computer Science and Engg. – Syllabus
> ➢ M.E. Computer Science and Engg. – Syllabus

CS 20.02   TO CONSIDER AND APPROVE THE SYLLABUS OF ADDITIONAL ELECTIVE COURSE FOR UG and PG DEGREE PROGRAMMES TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the syllabus of additional elective course for UG and PG degree programmes to be offered under R-2023

> ➢ B.E. Computer Science and Engg. - Elective Course Syllabus

AGENDA FROM DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Dr.M.Willjuice Iruthayarajan, Chairman, Electrical and Electronics Engineering moved the following items based on the decision of the Board of Studies in Electrical and Electronics Engineering

EE 20.01   TO CONSIDER AND APPROVE THE SYLLABUS OF 3rd SEMESTER COURSES FOR UG and PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the syllabus of 3rd semester courses for UG and PG degree programmes to be offered under R-2023

> ➢ B.E. Electrical and Electronics Engg. – Syllabus
> ➢ M.E. High Voltage Engineering – Syllabus

EE 20.02   TO CONSIDER AND APPROVE THE SYLLABUS OF ADDITIONAL ELECTIVE COURSES FOR UG and PG DEGREE PROGRAMMES TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the syllabus of additional elective course for UG and PG degree programmes to be offered under R-2023

> ➤ **B.E. Electrical and Electronics Engg. – Syllabus**
> ➤ **M.E. High Voltage Engineering – Syllabus**

AGENDA FROM DEPARTMENT OF INFORMATION TECHNOLOGY

Dr.K.G.Srinivasagan, Chairman, Information Technology moved the following items based on the decision of the Board of Studies in Information Technology.

IT 20.01   **TO CONSIDER AND APPROVE THE SYLLABUS OF 2nd SEMESTER AND 3rd SEMESTER COURSES FOR UG and PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

RESOLVED TO APPROVE the syllabus of 2nd semester and 3rd semester courses for UG and PG degree programmes to be offered under R-2023

> ➤ **B.Tech. Information Technology – Syllabus**
> ➤ **M.Tech. Information and Cyber Warfare – Syllabus**

IT 20.02   **TO CONSIDER AND APPROVE THE VERTICALS FOR HONORS / HONORS WITH SPECIALIZATION FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

RESOLVED TO APPROVE the verticals for Honors / Honors with Specialization for UG degree programmes to be offered under R-2023

> ➤ **B.Tech. Information Technology – Courses**

IT 20.03   **TO CONSIDER AND APPROVE THE REFINEMENT OF VERTICALS FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2019**

RESOLVED TO APPROVE the refinement of verticals for UG degree programmes to be offered under R-2019

> ➤ **B.Tech. Information Technology – Courses**

AGENDA FROM DEPARTMENT OF CIVIL ENGINEERING

Dr.C.CHELLA GIFTA, Associate Professor, Civil Engineering moved the following items based on the decision of the Board of Studies in Civil Engineering on behalf of Dr.C.Puthiya Sekar, Chairman, Civil Engineering.

CE 20.01   **TO CONSIDER AND APPROVE THE SYLLABUS OF 2nd SEMESTER AND 3rd SEMESTER COURSES FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

RESOLVED TO APPROVE the syllabus of 2nd semester and 3rd semester courses for UG degree programme to be offered under R-2023

➢ **B.E.Civil Engineering – Syllabus**

AGENDA FROM DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Dr.V.Kalaivani, Chairman, AI & DS moved the following items based on the decision of the Board of Studies in Civil Engineering.

AI 20.01   **TO CONSIDER AND APPROVE THE SYLLABUS OF 2nd SEMESTER AND 3rd SEMESTER COURSES FOR UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

RESOLVED TO APPROVE the syllabus of 2nd semester and 3rd semester courses for UG degree programme to be offered under R-2023

➢ **B.Tech. Artificial Intelligence & Data Science - Syllabus**

AGENDA FROM DEPARTMENT OF SCIENCE AND HUMANITIES

Dr.M.A.Neelakantan, Chairman, Science and Humanities moved the following items based on the decision of the Board of Studies in Science and Humanities.

SH 20.01   **TO CONSIDER AND APPROVE THE SYLLABUS OF 2nd SEMESTER AND 3rd SEMESTER COURSES FOR UG DEGREE PROGRAMMES TO BE OFFERED UNDER R-2023**

RESOLVED TO APPROVE the syllabus of 2nd semester and 3rd semester courses for UG degree programmes to be offered under R-2023

➢ **Science and Humanities Syllabus**

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

- One of the Industrial expert made an open announcement in the meeting with the permission of Chairman of Academic Council, to encourage the students to do post graduation and it was well appreciated by all the members of Academic Council.

The expert from the Industry "**Tessolve Semiconductor Solutions Private Limited, Bengaluru**" made an announcement that his industry is ready to support **four students** who are choosing **Post Graduate degree programme at NEC** with the scholarship amount of **Rs.50,000/- for each student.**

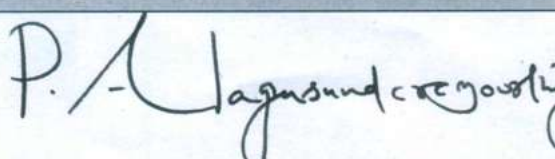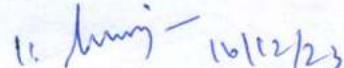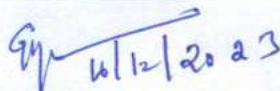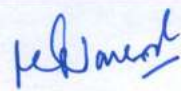## Points suggested by the Academic Council members
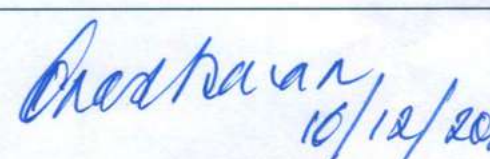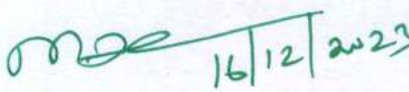
1. Integrated curriculum introduced in Regulation 2023 is a good initiative, challenging task with implementation difficulty. Constant effort is needed both from administration and faculty members to bring quality in Teaching Learning Process.

2. To teach integrated courses with expected outcome and quality, more number of faculty members are required. Professor of practice (full time) may be appointed. These professors may be from Industries, abroad universities and reputed institutions in India.

3. Proper feedback mechanism shall be devised to get feedback from the students and faculty members about the teaching learning process through integrated curriculum to improve the quality of education

4. Faculty members shall be encouraged to participate and present their research articles in conferences organized by reputed Institutions

5. Series of quality workshops shall be organized at college to improve the quality of faculty members

6. Number of students appearing for GATE and getting score is less at NEC. So proper strategy plan shall be articulated to motivate the students.

7. Quite happy about NPTEL success rate of students as well as faculty members

8. Lot of international certificate courses for AI& DS and other emerging area are available. Faculty members and students shall be encouraged to do such courses.

9. Problem solving skills of faculty and students should be improved. If problem solving skills are improved then getting a GATE score or getting placement may not be a difficult task for the students

10. ACM, Elsevier, IEEE professional chapters shall be formed exclusively for women. Provision for this is available in all professional societies.

11. NEC mission objective mostly seems to be placement driven. Importance may be given for other objectives such as getting GATE score and entering into PSU, academic excellence and getting into M.S / M.Tech / MBA Post Graduate Programmes. Proper road map may be prepared to meet out the career settlement of the students.

12. Students shall be motivated to do post graduate degree programme and take teaching as their profession. Otherwise in due course finding qualified, sincere teachers may become a difficulty to all academic Institutions.

13. In Mechanical Engineering, for the Course titled "Engineering mechanics" - one more Text book titled "Engineering Mechanics (in SI units) by Timoshenko, DH young, J V Rao, Publisher - Mc-Graw-Hill" shall be added.
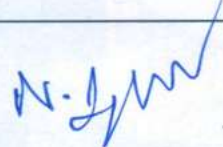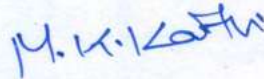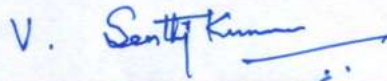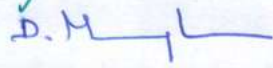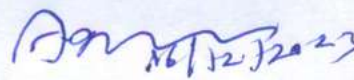
14. In Electronics and Communication Engineering, the Artificial Intelligence and Machine Learning course introduced as a core course in VI semester of UG degree programme is a good initiative and this course shall be handled by a subject expert from CSE/IT/AI&DS or from the same department.

15. Courses such as Disaster Management, Emergency management, Common Sense Engineering shall be introduced in R-2023 curriculum.

16. Experiential learning introduced in R-2023 curriculum is appreciated. Steps may be taken to improve peer learning, group learning, problem solving skills. Societal problems may be considered and students may be motivated to provide solutions to such problems.

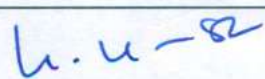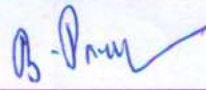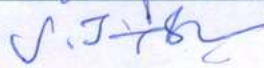17. The assessment process for Internship course introduced in the curriculum may be properly articulated and feedback may be collected from the industry mentors/reporting manager at Industry.

18. A lot of online materials are available on framing Course Outcomes, implementation of OBE. Faculty members are advised to make use of the materials and equip themselves.

19. Members suggested that the number of program outcomes for Undergraduate Engineering programme shall be maintained as twelve as specified by NBA.

20. Adequate number of training programme shall be arranged for the faculty members to teach Integrated Curriculum R-2023 to the students. (Teaching a conventional mathematics course / Engineering course is different from teaching an elective course on mathematics / integrated Engineering Course. Unless the faculty members are properly trained to handle integrated courses, the implementation of R2023 curriculum structure may be a challenging task.)

21. The members appreciated the efforts taken by the college for the remarkable placement records for the 2019-23 batch and 2020-24 batch.

22. The members suggested that a proper strategy plan may be prepared by considering placement in reputed companies, PSU, Higher studies and Entrepreneurs for the next 3 years and presented in the next AC meeting.

23. The student members of the ACM expressed their suggestions / feedback
    - ✓ Oral and written presentation skills of students to be improved
    - ✓ Awareness for GATE needed
    - ✓ Industry experts appointed as Adjunct faculty in the college is useful to know about the industry scenario and the skills needed for industries
    - ✓ German language classes initiated at college is very useful

Finally **Dr.K.Mohaideen Pitchai**, Professor / CSE thanked all the members for their fruitful discussion and valuable suggestions and the meeting came to an end.

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. S.Swamynathan Professor, Dept. of Information Science and Technology, Anna University, Chennai	16/12/2023
Dr.V.Sankaranarayanan Professor & Head Department of EEE, National Institute of Technology, Trichy	
Dr. K. Gunasekaran Professor Department of Civil Engineering Anna University, Chennai	16/12/2023
University Nominees	
Dr. M.Vijayaraj Professor & Head, Department of ECE, Government College of Engineering, Tirunelveli	16/12/2023
Dr. K.Linga Durai Professor & Dean, Department of Mechanical Engineering Anna University Regional Campus, Madurai	16/12/23
Dr.G.Kumaraguruparan Professor, Department of Mechatronics, Thiagarajar College of Engineering, Madurai	16/12/2023
Industrial Experts	
Dr.V.Veerappan Cofounder & President, Tessolve Semiconductor Limited, Bangalore	
Mr.N.Lakshmi Narasimhan Senior General Manager (Personnel & HR - LVBU), Brakes India Private Limited, Chennai	

Mr.Ramanathan Arunachalam Director – Products with Magellan X Feather lite work space, 200 Ft. Radial Road, Pallavaram, Chennai	
Mr.Raja Subramanian Senior Architect, Mistral Solutions Pvt Ltd, Kovilpatti	
Dr.V.Govindaraj Head, R&D, L&T Headquarters, Manappakkam, Chennai	
Mr. Karthik Muthukrishnan Senior Test and Yield Engineer, Amazon, Bengaluru	
Mr. Ghouse Mohaideen Babu Data Governance Lead, Philips India, Bengaluru	
Dr V Senthil Kumar Group Director, Communication Systems Group, U.R. Rao Satellite Centre, Bengaluru	
Dr K M Suceendran Head – Academic Alliances / Academic Interface Program, TCS, Chennai	
Special Invitees	
Dr.S.Shanmugavel Director	
Dr. D.Manimegalai Controller of Examinations	
Internal Members	
Dr. A.Shenbagavalli Prof. / ECE & Dean (Academic)	
Dr.M.A.Neelakantan Sr. Dean (IFA) & Prof. & Head / S & H	
Dr.K.Manisekar Prof. / Mech & Dean (I&E)	
Dr.B.Paramasivan Prof. / IT & Dean (SA & IR)	
Dr.S.Iyahraja Prof. & Head / Mechanical	
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Dr.K.G.Srinivasagan Dean (TCP) & Prof. & Head / IT	
Dr.C.Chella Gifta Associate Professor / Civil	
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Dr.K.Mohaideen Pitchai Professor / CSE	
Dr.F.Michael Thomas Rex Associate Professor / Mechanical Engineering	
Dr.I.Shankar Coordinator / EDC	
Dr.V.Manimaran Placement Convener	
Mr.R.Muralidharan Adjunct Faculty / S&H	
Dr.K.Karunai Raghavan Librarian	
Student Members	
Mr.M.Sourav Sanjeev, Third year Mechanical	
Ms.J.Chobia Lakshmi, Third year ECE	
Mr.D.Prasanna kumaar, Third year CSE	
Ms.P.Apsaravahini, Final year EEE	
Mr.M.Sundarraj, Final year IT	
Mr.R.Heman, Final year Civil	
Mr.G.Malaiarasu, Second year AI & DS	

CHAIRMAN
ACADEMIC COUNCIL

AMENDMENTS TO CLAUSE 14.0 OF R-2023 UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

Existing UG Regulations – 2023	Amended UG Regulations - 2023
14.0 PASSING REQUIREMENTS A student who secures not less than 50% of total marks prescribed for the course [Continuous Assessment + End Semester Examination] with a minimum of 45% of the marks prescribed for the End Semester Examination, shall be declared to have passed the course and acquired the relevant number of credits. This is applicable for theory, laboratory and integrated courses (including project work). If a student fails to secure a pass in a theory course / laboratory course, the student shall register and appear only for the End Semester Examination in the subsequent semester. In such case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. However, from the third attempt onwards if a student fails to obtain pass marks (CA + ESE), then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the End Semester Examination alone.	**14.0 PASSING REQUIREMENTS** **Theory, Laboratory Courses and Project work** A student who secures not less than 50% of total marks prescribed for the course [Continuous Assessment + End Semester Examination] with a minimum of 45% of the marks prescribed for the End Semester Examination, shall be declared to have passed the course and acquired the relevant number of credits. If a student fails to secure a pass in a theory course / laboratory course, the student shall register and appear only for the End Semester Examination in the subsequent semester. In such case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. However, from the third attempt onwards if a student fails to obtain pass marks (CA + ESE), then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the End Semester Examination alone. **Integrated Courses** For the first two category of integrated courses as specified in **Table – 6** of Regulation 2023, A student who secures not less than 50% of total marks prescribed for the course [Continuous Assessment + End Semester Examination] with a minimum of 45% of the marks prescribed for the End Semester Examination, shall be declared to have passed the course and acquired the relevant number of credits.

Existing UG Regulations – 2023	Amended UG Regulations - 2023
	For 3rd, 4th and 5th category of integrated courses as specified in Table – 6 of Regulation 2023, A student shall be declared to pass the course if he/she secures a minimum of 45% in the theory component of the End semester Examination. However, he/she has to secure not less than 50% marks in the End semester Examination after including the End semester Examination marks of practical component.
	If a student fails to secure a pass in the integrated course, the student shall register and appear only for the End Semester Examination in the subsequent semester. In such case, the internal assessment marks obtained by the student in the first appearance shall be retained and considered valid for all subsequent attempts till the student secures a pass. However, from the third attempt onwards if a student fails to obtain pass marks (CA + ESE), then the student shall be declared to have passed the examination if he/she secures a minimum of 50% marks prescribed for the End Semester Examination alone.

AMENDMENTS TO CLAUSE 4.2 OF R-2019 / R-2023 UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

Existing UG Regulations – 2019 / 2023	Amended UG Regulations – 2019 / 2023
4.2 In addition, the students shall enroll, in any one of the one credit Non-CGPA courses in each category listed in **Table-1** and earn a minimum of two credits (one from each category) for the award of the degree. The details for assessing these activities are given in **Annexure– II**.	**4.2** In addition, the students shall enroll, in any one of the one credit Non-CGPA courses in each category listed in **Table-1** and earn a minimum of two credits (one from each category) for the award of the degree. The details for assessing these activities are given in **Annexure– II**.

Existing UG Regulations – 2019 / 2023

TABLE-1   CATEGORY OF ONE CREDIT NON-CGPA COURSES

Category	Code	Courses	Credit
Personality and Character Development	NCG11	Sports	1
	NCG12	Yoga for Youth Empowerment	
	NCG13	National Cadet Corps	
	NCG14	National Service Scheme	
	NCG15	Extra Curricular Activities	
Allied Skills / Value Added Courses	NCG21	Co Curricular Activities	1
	NCG22	English Proficiency Certification	
	NCG23	NPTEL online courses related to Allied Skills	
	NCG24	Foreign / Vernacular Languages	
	NCG25	Aptitude Proficiency Certification	
	NCG26	Globally accepted Certification Courses	

Amended UG Regulations – 2019 / 2023

To promote the entrepreneur skills in the students the Institution Innovation Cell of NEC has designed a one credit course and this course may be added in the **Table-1** under the Allied Skills / Value Added Courses category in addition to the existing courses listed in the table. The details for assessing this course are described in Table-2 and this table shall be added in Annexure-2 of Regulation 2019 & Regulation 2023

TABLE-1   CATEGORY OF ONE CREDIT NON-CGPA COURSES

Category	Code	Courses	Credit
Personality and Character Development	NCG11	Sports	1
	NCG12	Yoga for Youth Empowerment	
	NCG13	National Cadet Corps	
	NCG14	National Service Scheme	
	NCG15	Extra Curricular Activities	
Allied Skills / Value Added Courses	NCG21	Co Curricular Activities	1
	NCG22	English Proficiency Certification	
	NCG23	NPTEL online courses related to Allied Skills	
	NCG24	Foreign / Vernacular Languages	
	NCG25	Aptitude Proficiency Certification	
	NCG26	Globally accepted Certification Courses	
	NCG27	**Entrepreneurial skill development course**	

TABLE-2   **ASSESSMENT FOR THE COURSE**

NCG27   **ENTREPRENEURIAL SKILL DEVELOPMENT COURSE**

1	Pre – requisites / Eligibility Conditions	As prescribed by the course coordinator
2	Detail of Course Content / Syllabus	
3	Duration of the Course	60 periods with minimum 70% of attendance
4	Assessment Procedure	As prescribed by the course coordinator
5	Criteria for allocation of credit	▪ Minimum one participation in intra institute innovation challenge / hackathon / idea presentation ▪ Minimum one participation in inter institute innovation challenge / hackathon / idea presentation
6	In case of failure	Repeat the course

20th ACADEMIC COUNCIL MEETING ON 16.12.2023