



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

25th ACADEMIC COUNCIL MEETING - AGENGA

**Venue: Autonomous Block – Conference Hall
National Engineering College, Kovilpatti**

Date: 04.07.2026

Time: 10.00 AM

1. Welcome Address – Chair person of academic Council

✚ Opening remarks by the Chairperson

2. Presidential Address by Director, NEC

3. Confirmation of Minutes of 24th ACM

✚ Review and confirmation of the minutes

✚ Action taken report on decision of 24th ACM

4. Amendments to R-2019 & R-2023

- Clause 17.1 of UG Degree programmes under R-2019
- Clause 15.1 and 17.1 of UG Degree programmes under R-2023

5. Approval of Board of Studies (BoS) Recommendations

6. Career Settlement of 2025-2026 batch student

7. Product development initiatives and patent filing in Academic year 2025-2026

8. Curriculum revision process

a. Feedback from students

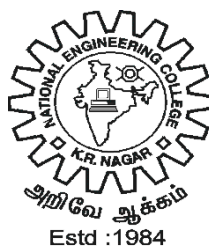
b. Feedback from other stakeholders

9. Suggestions from Academic Council Members

10. Any Other Items with the Permission of the Chair

11. Conclusion

12. Vote of Thanks

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI*(An Autonomous Institution – Affiliated to Anna University Chennai)***MINUTES OF THE 25th ACADEMIC COUNCIL MEETING**

MINUTES OF THE 25th ACADEMIC COUNCIL MEETING HELD ON **04.07.2026** @ **10.00 A.M.** IN THE AUTONOMOUS BLOCK - CONFERENCE HALL, 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
University Nominees	
Dr. M.Raj Mohan	Professor / Dept. of Industrial Engineering, Anna University, Chennai
Dr. N.V.Giridharan	Professor / Dept. of Physics, NIT, Trichy
Dr. P.Ramesh Babu	Professor / Dept. of Electro. and Instrumentation Engg., Puducherry Technological University, Puducherry
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
Dr K.M.Suceendran	Head – Academic Alliances / Academic Interface Program, TCS, Chennai
Dr.V.Govindaraj	Head, R&D, L&T Headquarters, Manappakkam, Chennai
Mr. Ghouse Mohaideen Babu	Data Governance Lead, Philips India, Bengaluru

Research & Development Experts	
Dr R.Brakaspathy	R&D Advisor, Centre for Industrial Consultancy and Sponsored Research, IITM, Chennai
Dr V.Senthil Kumar	Scientist-G, Group Director, Communication Systems Group, U.R. Rao Satellite Centre, Bengaluru
Alumni Experts	
Mr. Ponnusundar Murugiah	Director, AT & T Global Services Pvt Ltd, Chennai
Special Invitees	
Dr.S.Shanmugavel	Director, National Engineering College
Internal Members	
Dr.M.A.Neelakantan	Sr. Dean (IFA) & Head / S & H
Dr.A.Shenbagavalli	Prof. / ECE & Dean (Academic & Faculty Development)
Dr.D.Manimegalai	Prof. / CSE & Controller of Examinations
Dr.B.Paramasivan	Prof. / CSE & Dean (PG Program)
Dr.K.G.Srinivasagan	Prof. / IT & Dean (Ind.Rel.& Alumni Affairs)
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.R.Muthukkumar	Prof. & Head / IT
Dr.I.Padmanaban	Prof. & Head / Civil
Dr.V.Kalaivani	Prof. & Head / AI & DS
Dr.L.Kalaivani	Prof. / EEE & Head / SPQAC
Dr.V.Manimaran	Associate Prof. / IT & Placement Convener
Dr.I.Sankar	Associate Prof. / Mechanical Engg.
Student Members	
Mr. P.Subramanyan	Third year Mech
Mr.M.Arun bharathi	Third year ECE
Mr.K.A.H.Afzal Ali	Third year CSE
Mr.J.Shriram	Final year EEE
Mr.R.Lordson Jabez	Final year IT
Ms.R.Jyotsna	Final year Civil
Mr.R.Gokul Kirushanth	Final year AI&DS

The *Academic expert member* **Dr.V.Sankaranarayanan**, Professor / Department of EEE, NIT, Trichy, University Nominee Member **Dr. N.V.Giridharan**, Professor / Department of Physics, NIT, Trichy, *Industrial expert members* **Dr.V.Veerappan**, Cofounder & President,

Tessolve Semiconductor Limited, Bangalore, **Mr.Ramanathan Arunachalam**, Director – Products with Magellan X, Feather lite work space, 200 Ft. Radial Road, Pallavaram, Chennai, **Mr.Ghouse Mohaideen Babu**, Data Governance Lead, Philips India, Bengaluru *Research & Development Expert* **Dr.V.Senthil Kumar**, Scientist-G, Group Director, Communication Systems Group, U.R. Rao Satellite Centre, Bengaluru could not attend the meeting due to their prior commitments and unavoidable circumstances.

The Chairperson welcomed the members of the Academic Council and outlined the agenda for the meeting, highlighting the salient features of the R-2023 Curriculum and its impact on the teaching-learning process, as well as the process to be initiated for the forthcoming R-2027 Curriculum revision.

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

The following agenda items are considered and approved by the 25th Academic Council.

DA 25.01 TO CONFIRM THE MINUTES OF 24th ACADEMIC COUNCIL MEETING HELD ON 13th DECEMBER 2025

The minutes of the **24th Academic Council meeting** held on **13/12/2025** were communicated to the members vide **Email dated 18/12/2025**. The comments received have been incorporated and placed for confirmation. The same was approved by the council.

➤ **Minutes of 24th Academic Council**

The action taken report for the minutes of 24th Academic council meeting was presented by Dean (Academic).

➤ **Action taken report for minutes of 24th Academic Council Meeting**

DA 25.02 TO CONSIDER AND APPROVE THE AMENDMENTS TO CLAUSE 17.1 OF THE REGULATIONS 2019 FOR THE UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the amendments to Clause **17.1** of the Regulations 2019 for UG degree programmes of National Engineering College

➤ **AMENDMENTS – UG REGULATIONS 2019**

DA 25.03 TO CONSIDER AND APPROVE THE AMENDMENTS TO CLAUSE 15.1, 17.1 OF THE REGULATIONS 2023 FOR THE UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

RESOLVED TO APPROVE the amendments to Clause **15.1, 17.1** of the Regulations 2023 for UG degree programmes of National Engineering College

➤ **AMENDMENTS – UG REGULATIONS 2023**

4. 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 25.01 TO CONSIDER AND APPROVE THE ELECTIVE COURSES FOR THE UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the elective courses for the UG degree programme to be offered under R-2023

➤ **B.E. Mechanical Engineering – Elective courses**

ME 25.02 TO DISCUSS AND ANALYZE STUDENTS' FEEDBACK REGARDING THE R-2023 CURRICULUM

RESOLVED THAT the college shall take appropriate measures on the views and suggestions regarding students' feedback with respect to R-2023 curriculum

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 25.01 TO CONSIDER AND APPROVE THE ELECTIVE AND ONE CREDIT COURSES FOR THE UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the elective and one credit courses for the UG degree programme to be offered under R-2023

➤ **B.E. ECE – Elective & One credit courses**

EC 25.02 TO CONSIDER AND APPROVE THE COURSE DESIGN DOCUMENT OF SEVENTH and EIGHTH SEMESTER COURSES OF THE UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the course design document of seventh and eighth semester courses of the UG degree programme to be offered under R-2023

➤ **B.E. ECE – Course Design Document**

EC 25.03 **TO DISCUSS** AND ANALYZE STUDENTS' FEEDBACK REGARDING THE R-2023 CURRICULUM

RESOLVED THAT the college shall take appropriate measures on the views and suggestions regarding students' feedback with respect to R-2023 curriculum

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 25.01 **TO CONSIDER AND APPROVE** THE ELECTIVE AND ONE CREDIT COURSES FOR THE UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the elective & one credit courses for the UG degree programme to be offered under R-2023

➤ **B.E. EEE – Elective & One credit courses**

EE 25.02 **TO CONSIDER AND APPROVE** THE COURSE DESIGN DOCUMENT OF SEVENTH and EIGHTH SEMESTER COURSES OF THE UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the course design document of seventh and eighth semester courses of the UG degree programme to be offered under R-2023.

➤ **B.E. EEE – Course Design Document**

EE 25.03 **TO DISCUSS** AND ANALYZE STUDENTS' FEEDBACK REGARDING THE R-2023 CURRICULUM

RESOLVED THAT the college shall take appropriate measures on the views and suggestions regarding students' feedback with respect to R-2023 curriculum

AGENDA FROM DEPARTMENT OF CIVIL ENGINEERING

Dr.I.Padmanaban, Chairman, Civil Engineering moved the following items based on the decision of the Board of Studies in Civil Engineering.

CE 25.01 **TO CONSIDER AND APPROVE** THE ELECTIVE COURSES FOR THE UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the elective courses for the UG degree programme to be offered under R-2023

➤ **B.E. CIVIL – Elective credit Courses**

CE 25.02 TO CONSIDER AND APPROVE THE COURSE DESIGN DOCUMENT OF SEVENTH and EIGHTH SEMESTER COURSES UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the course design document of seventh and eighth semester courses **of the** UG degree programme to be offered under R-2023.

➤ **B.E. Civil – Course Design Document**

CE 25.02 TO DISCUSS AND ANALYZE STUDENTS' FEEDBACK REGARDING THE R-2023 CURRICULUM

RESOLVED THAT the college shall take appropriate measures on the views and suggestions regarding students' feedback with respect to R-2023 curriculum

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 25.01 TO CONSIDER AND APPROVE THE ELECTIVE AND ONE CREDIT COURSES FOR THE UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the elective and one credit courses for the UG degree programme to be offered under R-2023

➤ **B.E. CSE – Elective & one credit courses**

CS 25.02 TO DISCUSS AND ANALYZE STUDENTS' FEEDBACK REGARDING THE R-2023 CURRICULUM

RESOLVED THAT the college shall take appropriate measures on the views and suggestions regarding students' feedback with respect to R-2023 curriculum

AGENDA FROM DEPARTMENT OF INFORMATION TECHNOLOGY

Dr.R.Muthukkumar, Chairman, Information Technology moved the following items based on the decision of the Board of Studies in Information Technology.

IT 25.01 TO CONSIDER AND APPROVE THE ELECTIVE AND ONE CREDIT COURSES FOR THE UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the elective and one credit courses for the UG degree programme to be offered under R-2023

➤ **B.Tech. IT – Elective & one credit courses**

IT 25.02 TO DISCUSS AND ANALYZE STUDENTS' FEEDBACK REGARDING THE R-2023 CURRICULUM

RESOLVED THAT the college shall take appropriate measures on the views and suggestions regarding students' feedback with respect to R-2023 curriculum

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 AI&DS Engineering.

AI 25.01 TO CONSIDER AND APPROVE THE ELECTIVE AND ONE CREDIT COURSES FOR THE UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023

RESOLVED TO APPROVE the elective and one credit courses for the UG degree programme to be offered under R-2023

➤ **B.Tech. AIDS – Elective & one credit courses**

AI 25.02 TO DISCUSS AND ANALYZE STUDENTS' FEEDBACK REGARDING THE R-2023 CURRICULUM

RESOLVED THAT the college shall take appropriate measures on the views and suggestions regarding students' feedback with respect to R-2023 curriculum

5. CAREER SETTLEMENT OF STUDENTS OF THE 2025-2026 BATCH

Dr.V.Manimaran, Placement Coordinator and Associate Professor, Department of Information Technology Department, presented the career settlement statistics of the 2025-2026 batch of students to the Council. The members offered the following observations and suggestions:

- The Council appreciated the strong placement record, particularly the significant proportion of core-sector placements. Concerns were, however, raised regarding offers carrying minimal internship incentives and salary packages below

acceptable standards. A minimum benchmark shall accordingly be maintained, ensuring a starting salary of not less than ₹4.0 LPA and an internship stipend of not less than ₹1.2 LPA. Measurable Key Performance Indicators (KPIs), similar to those prescribed for faculty, may be established for students to enable assessment of their performance / placement index.

- The need to monitor the number of offer declines from each Department was highlighted, and the Placement Cell was requested to systematically collect feedback on declined offers and analyse the underlying reasons.
- The Academic Council presentation should, in addition to placement records, include details of students pursuing higher studies and entrepreneurial ventures.
- Industry-sponsored capstone projects shall be actively encouraged.

RESOLVED THAT the Placement Cell implement the above measures with effect from the ensuing placement season and report the progress to the Council at its next meeting

6. PRODUCT DEVELOPMENT INITIATIVES AND PATENT FILING DURING THE ACADEMIC YEAR 2025-2026

- The progress made by the various Departments in product development initiatives and patent filing during the academic year 2025-2026 was presented to the Council by **Dr.I.Sankar**, EDcell Coordinator and Associate Professor, Department of Mechanical Engineering. The Council appreciated the efforts of the faculty and students in this direction and encouraged the Departments to continue promoting a culture of innovation and intellectual property creation, and to explore avenues for commercialisation of the products and technologies developed.

RESOLVED THAT the Departments be encouraged to sustain and expand these initiatives.

7. CURRICULUM REVISION PROCESS

a. Feedback from students

- The student members of the Academic Council appreciated the integrated curriculum and the experiential-learning components of the R-2023 Curriculum, and also pointed out that such integration should not result in squeezing of fundamental concepts.

- They further observed that the increased number of skill-based courses introduced under the R-2023 Curriculum has significantly enhanced their knowledge and skill levels.
- They requested that the pre-requisites for Programme Elective and Open Elective courses be explicitly listed in the course syllabi, or that adequate awareness be created through the concerned Department faculty.
- They appreciated the Alumni Mentorship Programme and the Alumni Portal for enabling connections with senior alumni, while noting limited awareness among peers regarding the importance of the Alumni Portal and Buddy Connect. An orientation session may accordingly be organised to address this gap.

b. Feedback from other stakeholders

- On reviewing the stakeholders' feedback, the members observed that a majority of stakeholders identified a significant gap in industry connect within the academic curriculum. The members accordingly suggested introducing industry-aligned courses such as L&T EduTech, Tata Steel Digie-Shala, Siemens SITRAIN, Tata STRIVE and Bosch Rexroth Academy, in addition to the existing SWAYAM, NPTEL and Coursera offerings, with provision for credit transfer through the Academic Bank of Credits (ABC) mechanism.

RESOLVED THAT the feedback received from students and other stakeholders be duly incorporated in the design of the forthcoming R-2027 Curriculum

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

Points suggested by the Academic Council members

1. The elective courses titled **“23ME09E – Refrigeration and Air-Conditioning”** and **“23ME17E – Heating, Ventilation and Air Conditioning”**, offered in the UG Mechanical Engineering programme under the **R-2023 curriculum**, may be restructured as two distinct elective courses in the **R-2027 curriculum** with the following titles:

- ✓ **Refrigeration Systems**
- ✓ **Heating, Ventilation and Air Conditioning**

This revision is proposed to avoid duplication of air-conditioning-related topics presently covered in both courses and to establish a clear distinction in the scope and content of each course.

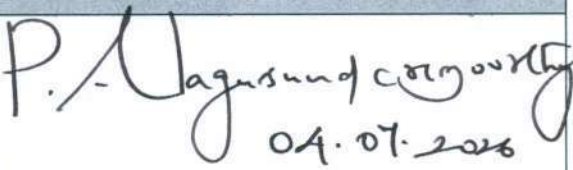
2. The course titled “**Optimization Methods in Engineering**”, offered under the **R-2023 curriculum** of the UG Mechanical Engineering programme, may be replaced with the course “**Systems Engineering**” in the **R-2027 curriculum**, as it encompasses a broader scope that includes optimization methods along with other integrated engineering methodologies.
3. The elective course titled “**23ME51E - Lean Manufacturing and Six Sigma**” does not presently address waste management; specific categories of waste, such as transportation waste, may be incorporated into the syllabus.

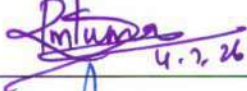
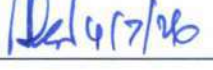
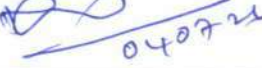
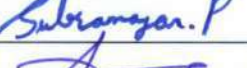
Course Outcome (CO) 4 may be enhanced to include zero-defect practices for waste minimisation.

4. In the course “Statistical Quality Control and Reliability,” the sequencing of Full Factorial and Partial Factorial designs may be revised; the topic “Random Design” may be removed; inclusion of “Monte Carlo Simulation” may be reconsidered as it does not align well with the course content; and “Composite Design” may be repositioned under Response Surface Methodology.
5. The Course Outcome (CO) statements of the course “Sustainable Construction” may be refined for greater precision. The content presently placed under CO3 may be shifted to CO4, with CO3 instead covering topics relating to policy and project management. The content on Sustainable Construction Management and Lean Construction may be included under either CO3 or CO4.
6. Indian Government cloud platforms may also be included in the syllabus, in addition to Google Cloud and Microsoft Azure.
7. Faculty members may be encouraged to undertake Faculty Development Programmes (FDPs) and certifications in the area of Data Science / Data Analytics / AI.
8. Skill-based courses on Data Centre Management and Disaster Recovery may be introduced across the CSE, IT and AI&DS programmes.
9. The “Mini-Capstone Project” offered under vertical courses may be renamed “Vertical Project” for greater clarity.
10. The DeepSeek Large Language Model (LLM) may be installed and made available for hands-on practice on campus, and its use shall be made mandatory across all AI courses offered by the Department.

Finally **Dr.K.J.Prasanna Venkatesan**, Associate Professor / ECE 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 Dept. of Civil Engineering IITM, Chennai	 04.07.2026
Dr.R.Saravanan Professor Department of Mechanical Engineering Anna University, Chennai	 4/7/26
Dr. S.Swamynathan Professor Dept. of Information Science and Technology Anna University, Chennai	 4/7/26
University Nominees	
Dr. M.Raj Mohan Professor Department of Industrial Engineering Anna University, Chennai	 24/07/26
Dr. P.Ramesh Babu Professor Department of Electronics and Instrumentation Engg., Puducherry Technological University, Puducherry	 04/07/26
Industrial Experts	
Mr.N.Lakshmi Narasimhan Senior General Manager (Personnel & HR - LVBU), Brakes India Private Limited, Chennai	 4/7/26
Dr.V.Govindaraj Head, R&D, L&T Headquarters Manappakkam, Chennai	
Dr K M Suceendran Head – Academic Alliances / Academic Interface Program, TCS, Chennai	
Scientists from R & D Laboratories	
Dr R.Brakaspathy R&D Advisor, Centre for Industrial Consultancy and Sponsored Research, IITM, Chennai	

Alumni Member	
Mr.Ponnusundar Murugiah Director AT&T, Chennai	
Special Invitees	
Dr.S.Shanmugavel Director	
Internal Members	
Dr. A.Shenbagavalli Prof. / ECE & Dean (Academic)	
Dr.M.A.Neelakantan Prof. & Head / S & H & Sr. Dean (IFA)	
Dr.B.Paramasivan Prof. / CSE & Dean (PG studies)	
Dr.K.G.Srinivasagan Prof. / IT & Dean (Ind.Rel.& Alumni Affairs)	
Dr.S.Iyahraja Professor & Head / Mechanical	
Dr.S.Tamil Selvi Professor & Head / ECE	
Dr.V.Gomathi Professor & Head / CSE	
Dr.M.Willjuice Iruthayarajan Professor & Head / EEE	
Dr.R.Muthukkumar Professor & Head / IT	
Dr.I.Padmanaban Professor & Head / Civil	
Dr.V.Kalaivani Professor & Head / AI & DS	
Dr.L.Kalaivani Prof. / EEE & Head / SPQAC	
Dr.K.Mohaideen Pitchai Prof. / CSE & Additional Controller of Examinations	
Dr.V.Manimaran Associate Prof. / IT & Placement convener	
Dr.I.Sankar Associate Prof. / Mechanical Engg.	
Student Members	
Mr.P.Subramanyan, Third year Mech	
Mr.M.Arun bharathi, Third year ECE	

Mr.K.A.H.Afzal Ali, Third year CSE	<i>Afzal</i>
Mr.J.Shriram, Final year EEE	<i>Shriram J</i>
Mr.R.Lordson Jabez, Final year IT	<i>R. L Jabez</i> 04/07
Ms.R.Jyotsna, Final year Civil	<i>R. Jyotsna</i>
Mr.R.Gokul Kirushanth, Final year AI&DS	<i>R. Gokul Kirushanth</i>


CHAIRMAN - ACADEMIC COUNCIL

National ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI

(An Autonomous Institution – Affiliated to Anna University Chennai)

04.07.2026

Actions Taken Report on Minutes of 24th Academic Council Meeting

(24th meeting of Academic Council was held on 13.12.2025)

S. No.	Suggestions	Action Taken
1.	Participation in the Smart India Hackathon (SIH) may be actively encouraged. Best practices adopted by other institutions for successful participation and winning in SIH shall be reviewed and adapted to enhance student engagement and improve performance in SIH. This approach will foster a strong interdisciplinary project culture among students and increase their potential for achieving awards.	Participation in the Smart India Hackathon has been encouraged, and a few teams have taken part in the Hackathon events. A separate faculty coordinator monitors the entire process.
2.	"Theoretical Computer Science" vertical course should be offered as open elective courses across all departments.	As per the suggestion, it is planned to offer courses under the "Theoretical Computer Science" vertical as Open Elective Courses, while offering them as Program Elective Courses within the department.
3.	Courses under the 'Industrial AI' vertical may be introduced or offered, provided the department has the necessary faculty competency.	To enhance faculty competency in emerging technologies, the majority of faculty members in the Department of AI&DS were encouraged to participate in relevant faculty development programs and successfully attended.
4.	The syllabus for 'AI Model Deployment using MLOps' is too vast for a one-credit course; therefore, the course credit shall be revised to 3.	AI Model Deployment using MLOPs course is changed into 3 credits as per the suggestions given by the members.
5.	High-performance servers, cloud servers, or GPUs may be purchased, and quantum computing and quantum technology could be introduced as elective courses in the curriculum.	▪ For the upcoming year, planned to purchase GPU-based workstations – 2 Nos.; and Claude-Pro single user access (\$17 to \$20 per Month) to practice ethical AI tool usages during product development. ▪ "23CS76E - Quantum Algorithms and Qiskit" as PEC course is included in the <i>Theoretical Computer Science</i> vertical. Qiskit is IBM's Open-source quantum software for large-scale execution of Quantum Algorithms. ▪ 30 no's of GPU Workstations are

S. No.	Suggestions	Action Taken
		available in AI&DS department for conducting Deep learning lab, Big data analytics lab etc.
6.	The title of the Full Stack Testing course for CSE may be changed.	As per suggestion, in consultation with BoS members, the title of the "Full Stack Testing" PEC course was renamed as "Web Application Testing" under <i>Fullstack Development</i> vertical.
7.	A course on "AI in supply chain management" may be introduced.	The recommendation has been addressed by incorporating AI in Supply Chain Management as a complete Course Outcome (CO5) in the programme elective <u>23ME44E</u> – Supply Chain and Logistics Management, instead of introducing it as a separate standalone course.
8.	The growing complexity of modern infrastructure projects, the need for sustainability, and the drive for greater cost-effectiveness make it essential for civil engineering to embrace Artificial Intelligence (AI), particularly Generative AI (Gen AI) as an elective course in the UG curriculum.	The suggestion has been taken into consideration and will be implemented in the next Board of Studies meeting.
9.	Green financing shall be included as a key component in an appropriate course within the Civil Engineering department.	Green financing has been incorporated into the "Sustainable Construction Management" course, and the same has been approved in the Board of Studies meeting held on 01.06.2026.
10.	The Soil and Water Assessment Tool (SWAT) shall be included as a key topic in the Water Management course to provide students with practical insights into watershed modeling, water quality analysis, and land management strategies.	The suggestions from the members are appreciated. It is observed that the National Water Academy, Pune offers training programs on the Soil and Water Assessment Tool (SWAT) for faculty members of educational institutions. A few faculty members will be encouraged to attend these programs and develop expertise in using the tool. The inclusion of SWAT in the Water Management course will be considered in the next Board of Studies meeting.
11.	Environmental, Social, and Governance (ESG) principles shall be added into Building Management Systems (BMS) course, along with the integration of Building Information Modeling (BIM) and Geographic Information Systems (GIS),	The Programme Elective courses titled "23CE35E – BIM and 3D Printing Applications," and "23CE32E – Remote Sensing and GIS" each carrying 3 credits, were approved in the previous Board of Studies meeting. Since BIM and GIS are

S. No.	Suggestions	Action Taken
	which will equip the students with the knowledge to manage and optimize sustainable infrastructure effectively.	already covered through these elective courses, contents such as Environmental, Social, and Governance principles have now been incorporated into the elective course "Sustainable Construction Management." This inclusion was approved in the BoS meeting held on 01.06.2026.
12.	More emphasis may be placed on the soft skills component in the upcoming regulations, and it should be properly assessed.	The integrated curriculum addresses soft skills through experiential learning. In a few courses, exclusive Course Outcomes (COs) have been framed to specifically address the soft skills component in the R-2023 curriculum.
13.	The 6-credit course 'Project Work' in the 8 th semester of the UG curriculum should be renamed as 'Project,' instead of 'Capstone Project'.	A capstone project is the final, comprehensive assignment completed at the end of an academic program. Accordingly, the project work in the 8 th semester retains the name 'Capstone Project.'
14.	The Course Outcomes (COs) for the core courses <i>Project</i> and <i>Industry Practice</i> offered in the 8 th semester under the same course code may be combined. Students are required to register for either <i>Project</i> or <i>Industry Practice</i> during the 8 th semester.	The course outcomes for the final year project work titled as 'Capstone Project / Industry practice' with the course code <u>23XX81C</u> are combined. Students are required to register for either <i>Project</i> or <i>Industry Practice</i> during the 8 th semester.
15.	For the four-week internship (2-credit course), a <i>Live-in Lab – through social links</i> component may be added. This will enable students to identify societal problems, engage directly with communities, and develop practical solutions to address real-world challenges.	Already, the Live-in-Lab an experiential learning activity is included in R-2023 curriculum <u>clause 4.5.2</u> .
16.	A Project Expo provides a well-rounded opportunity for students to enhance their academic experience, build industry connections, and showcase their talents in a competitive, real-world context. It benefits not only the students but also the institution, fostering innovation, collaboration, and practical learning, while also strengthening ties with the industry. So, project expo may be organized every year in the campus.	▪ NewGen IEDC will organize a Product Expo in the August/September 2026 to showcase innovative products developed by UG Engineering students through the Product Development Practice laboratory course across all departments. ▪ The expo will provide a platform for students to demonstrate their prototypes and receive feedback from industry experts, faculty members, alumni, and other stakeholders.

S. No.	Suggestions	Action Taken
		▪ The event will promote innovation, interdisciplinary collaboration, entrepreneurship, and experiential learning among students. ▪ Industry experts and innovators will be invited to strengthen institute–industry interaction and explore product commercialization opportunities.
17.	A Buddy Program may be introduced to connect alumni with first-year students.	The Buddy Program, facilitated through the alumni network, is currently in progress. Orientation programs, Alumni interaction sessions are being organized within the departments on Saturdays to guide and motivate students, supporting their career development and overall growth. Senior students on campus are also conducting coding classes and skill development sessions for first-year students, with a focus on programming, prompt engineering, and aptitude.



CHAIRMAN - ACADEMIC COUNCIL

AMENDMENTS IN UG REGULATION 2019 (25th AC Meet on 04.07.2026)

AMENDMENTS TO CLAUSE 17.1 OFR-2019 UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

[illegible]

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AMENDMENTS IN UG REGULATION 2023 (25th AC Meet on 04.07.2026)

AMENDMENTS TO CLAUSE 15.1 and 17.1 OF R-2023 UG DEGREE PROGRAMMES OF NATIONAL ENGINEERING COLLEGE

Existing UG Regulations – 2023

15.0 AWARD OF LETTER GRADES

15.1 The award of letter grades will be decided based on relative grading principle. The relative grading is applicable to ONLY those students who have passed the examination as per the passing requirements as per clause 14.0. For those students who have not passed the examination, Reappearance (U) shall be awarded as shown in the Table - 8.

For those students who have passed the course, the relative grading shall be done. The marks of those students who have passed only shall be inputted in the software developed for relative grading. The evolved relative grading method normalizes the results data using the BOX-COX transformation method and computes the grade range for each course separately and awards the grade to each student. For a given course, if the students' strength is greater than 30, the relative grading method shall be adopted. **However, if the students' strength is less than or equal to 30 then the fixed grading shall be followed with the grade range as specified below.**

TABLE - 8

O	A+	A	B+	B	C	U
91 - 100	81 - 90	71 - 80	61 - 70	56 - 60	50 - 55	< 50

The performance of a student shall be reported using letter grades, each carrying Grade points as detailed below:

TABLE – 9

Letter Grade	Grade Points*
O (Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7

Amended UG Regulations –2023

15.0 AWARD OF LETTER GRADES

15.1 The existing clause is applicable only for the students admitted before 2025.

15.1.A For those students who have joined from the academic year 2025 onwards the absolute grading system shall be followed. The grades and corresponding grade points are specified in the Table-8(A) and 9(A)

TABLE – 8 (A)

S	A+	A	B+	B	C+	C	U
91 - 100	81 - 90	71 - 80	66 - 70	61-65	56-60	50-55	< 50

TABLE – 9 (A)

Letter Grade	Grade Points*
S (Outstanding)	10
A+ (Excellent)	9
A (Very Good)	8
B+ (Good)	7

Handwritten signature

AMENDMENTS IN UG REGULATION 2023 (25th AC Meet on 04.07.2026)

Existing UG Regulations – 2023

B (Average)	6
C (Satisfactory)	5
U (Re-appearance)	-
SA (Shortage of Attendance)	-
WD (Withdrawal)	-

A student is deemed to have passed and acquired the corresponding credits in a particular course if he / she obtain any one of the following grades: "O", "A+", "A", "B+", "B", "C".

'SA' denotes shortage of attendance and hence prevented from writing the End Semester Examinations. 'SA' will appear only in the result sheet.

"U" denotes that the student has failed to pass in that course. "WD" denotes withdrawal from the exam for the particular course. The grades U and WD will figure both in the Grade Sheet as well as in the result sheet. In both cases, the student has to re-appear for the End Semester Examinations.

If the grade U is given to Theory Courses / Laboratory Courses it is not required to satisfy the attendance requirements, but has to appear for the end semester examination and fulfill the passing requirements to declare as pass in the respective courses.

If the grade U is given to EEC (Employability Enhancement Course) (except Project Work), which are evaluated only through internal assessment, the student shall register for the course again in the subsequent semester and fulfill the passing requirements to declare as pass in that course. However, attendance requirement need not be satisfied.

Amended UG Regulations –2023

B (Above Average)	6.5
C+ (Average)	6
C (Satisfactory)	5
U (Re-appearance)	0
SA (Shortage of Attendance)	0
WC (Withdrawal of Course)	0



AMENDMENTS IN UG REGULATION 2023 (25th AC Meet on 04.07.2026)

Existing UG Regulations – 2023	Amended UG Regulations –2023
17.0 ELIGIBILITY FOR THE AWARD OF THE DEGREE 17.1 Grace Marks Policy Nil	17.0 ELIGIBILITY FOR THE AWARD OF THE DEGREE 17.1 Grace Marks Policy 17.1.1 A separate moderation called degree moderation (maximum of 15 marks) may be recommended by the Result Passing Board to enable students to pass a single course or to a maximum of two courses provided they qualify for the award of degree. This is applicable only for UG programme. 17.1.2 In undergraduate programmes, a general moderation of maximum of 5 Marks per student per semester may be considered, distributed over one or more courses in order to enable the students “to get pass” in the end semester examinations if the pass percentage is less than 65% in one or more courses.



25th ACADEMIC COUNCIL MEETING ON 04.07.2026

