



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

**23<sup>rd</sup> ACADEMIC COUNCIL MEETING - AGENDA**

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

**Date: 28.06.2025**

**Time: 10.30 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 the Previous Meeting
  - ✦ Review and confirmation of the minutes
  - ✦ Action taken report on decisions of the previous meeting
4. Approval of Board of Studies (BoS) Recommendations
5. Student Career Settlement
  - ✦ Placement details for the year 2024-2025 - Dr.V.Manimaran, Asso.Professor / IT
  - ✦ Support for Higher Education – Dr.B.Vigneshwaran, Asso.Professor / EEE
  - ✦ Support for Product Development & Entrepreneur - Dr.I.Sankar,
    - Asso.Professor / Mechanical
6. Suggestions from Academic Council Members
7. Feedback from students
8. Any Other Items with the Permission of the Chair
9. Conclusion
10. Vote of Thanks

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**NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI***(An Autonomous Institution – Affiliated to Anna University Chennai)***MINUTES OF THE 23<sup>rd</sup> ACADEMIC COUNCIL MEETING**

MINUTES OF THE 23<sup>rd</sup> ACADEMIC COUNCIL MEETING HELD ON **28.06.2025 @ 10.30 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
<b>Academic Experts</b>	
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
<b>University Nominees</b>	
Dr. M.Raj Mohan	Professor / Industrial Engineering, Anna University, Chennai
Dr. N.V.Giridharan	Professor / Physics, National Institute of Technology, Tiruchirappalli
Dr. P.Ramesh Babu	Professor / Electronics and Instrumentation Engg., Puducherry Technological University, Puducherry
<b>Industrial Experts</b>	
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



<b>Research &amp; Development Experts</b>	
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
<b>Alumni Experts</b>	
Mr. Ponnusundar Murugiah	Director, AT & T Global Services Pvt Ltd, Chennai
<b>Special Invitees</b>	
Dr.S.Shanmugavel	Director, National Engineering College
<b>Internal Members</b>	
Dr.M.A.Neelakantan	Sr. Dean (IFA) & Head / S & H
Dr.A.Shenbagavalli	Prof. / ECE & Dean (Academic)
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.K.G.Srinivasagan	Prof. & Head / IT and Dean (TCP)
Dr.I.Padmanaban	Prof. & Head / Civil
Dr.V.Kalaivani	Prof. & Head / AI & DS
Dr.L.Kalaivani	Head / SPQAC
Dr.R.Muthukkumar	Deputy Controller of Examinations
Dr.V.Manimaran	Associate Professor / IT
Dr.I.Sankar	Associate Professor / Mechanical
Dr.B.Vigneshwaran	Associate Professor / EEE
Dr.K.Karunai Raghavan	Librarian
<b>Student Members</b>	
Mr. M. Mohamed Faisal	Final year Mech
Mr.S V J Guru Akash	Final year ECE
Mr.T.Bala Krishna	Third year CSE
Ms.J.Gokila	Final year EEE
Mr. S.Alex	Final year IT
Mr. J Arumugaprabhu	Final year Civil
Mr. M. Sivarama Krishnan	Third year AI&DS

The *University Nominee member* **Dr.N.V.Giridharan**, Professor / Physics, National Institute of Technology, Tiruchirappalli, *Academic expert member* **Dr.R.Saravanan**, Professor, Department of Mechanical Engineering, Anna University, Chennai, *Industrial expert members* **Dr.V.Veerappan**, Cofounder & President, Tessolve Semiconductor Limited, Bangalore, **Mr.Ramanathan Arunachalam**, Director – Products with Magellan X, Feather



lite work space, Pallavaram, Chennai, **Mr.Ghouse Mohaideen Babu**, Data Governance Lead, Philips India, Bengaluru and *Alumni Expert member* **Mr. Ponnusundar Murugiah**, Director, AT & T Global Services Pvt Ltd, Chennai could not attend the meeting due to their prior commitments and unavoidable circumstances.

The Chairperson welcomed the members and provided an overview of the meeting agenda. He pointed out the objective and salient features of R-2023 UG curriculum and the steps taken for effective content delivery and assessment of the courses. He also said that by working together with academicians, industry experts, researchers, and alumni, and by sharing a common vision, great achievements can be made.

Then, Director Dr.S.Shanmugavel began his special address by warmly greeting and acknowledging the academic council members. He pointed out the importance of designing and implementing a robust curriculum within an autonomous institution. He highlighted that the institution is committed to achieving academic excellence and promoting innovation.

Following the address by the Director, 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 23<sup>rd</sup> Academic Council.

**DA 23.01 TO CONFIRM THE MINUTES OF 22<sup>nd</sup> ACADEMIC COUNCIL MEETING HELD ON 21<sup>st</sup> DECEMBER 2024**

The minutes of the **22<sup>nd</sup> Academic Council meeting** held on **21/12/2024** were communicated to the members vide **Email dated 03/01/2025**. The comments received have been incorporated and placed for confirmation. The same was approved by the council.

➤ **Minutes of 22<sup>nd</sup> Academic Council**

The action taken report for the minutes of 22<sup>nd</sup> Academic council meeting was presented by Dean (Academic).

➤ **Action taken report for minutes of 22<sup>nd</sup> Academic Council Meeting**

**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 23.01 TO CONSIDER AND APPROVE THE SYLLABUS OF 6<sup>th</sup> SEMESTER COURSES OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

**RESOLVED TO APPROVE** the syllabus of 6<sup>th</sup> semester core courses of UG degree programme to be offered under R-2023

➤ **B.E. Mechanical Engineering – Syllabus**

**ME 23.02 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 23.03 TO CONSIDER AND APPROVE THE COURSE DESIGN DOCUMENT OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

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

➤ **B.E. Mechanical Engineering – Course Design Document**

**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 23.01 TO CONSIDER AND APPROVE THE SYLLABUS OF 6<sup>th</sup> SEMESTER COURSES OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

**RESOLVED TO APPROVE** the syllabus of 6<sup>th</sup> semester core courses of UG degree programmes to be offered under R-2023

➤ **B.E. ECE – Syllabus**

**EC 23.02 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. ECE – Elective Courses**



**EC 23.03 TO CONSIDER AND APPROVE THE COURSE DESIGN DOCUMENT OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

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

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

**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 23.01 TO CONSIDER AND APPROVE THE SYLLABUS OF 6<sup>th</sup> SEMESTER COURSES OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

**RESOLVED TO APPROVE** the syllabus of 6<sup>th</sup> semester core courses of UG degree programme to be offered under R-2023

➤ **B.E. EEE – Syllabus**

**EE 23.02 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. EEE – Elective Courses**

**EE 23.03 TO CONSIDER AND APPROVE THE COURSE DESIGN DOCUMENT OF FIFTH SEMESTER COURSES UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

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

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

**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 23.01 TO CONSIDER AND APPROVE THE SYLLABUS OF 6<sup>th</sup> SEMESTER COURSES OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**



**RESOLVED TO APPROVE** the syllabus of 6<sup>th</sup> semester core courses of UG degree programme to be offered under R-2023

➤ **B.E. CIVIL – Syllabus**

**CE 23.02 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 Courses**

**CE 23.03 TO CONSIDER AND APPROVE THE COURSE DESIGN DOCUMENT OF FIFTH SEMESTER COURSES UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

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

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

**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 23.01 TO CONSIDER AND APPROVE THE SYLLABUS OF 6<sup>th</sup> SEMESTER COURSES OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

**RESOLVED TO APPROVE** the syllabus of 6<sup>th</sup> semester core courses of UG degree programme to be offered under R-2023

➤ **B.E. CSE – Syllabus**

**CS 23.02 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. CSE – Elective Courses**

**CS 23.03 TO CONSIDER AND APPROVE THE COURSE DESIGN DOCUMENT OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

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



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

**CS 23.04 TO CONSIDER AND APPROVE THE MODIFICATIONS OF I-SEMESTER CORE COURSES FOR THE PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

**RESOLVED TO APPROVE** the modifications of I-Semester core courses for the PG degree programme to be offered under R-2023

➤ **M.E. CSE – 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 23.01 TO CONSIDER AND APPROVE THE SYLLABUS OF 6<sup>th</sup> SEMESTER COURSES OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

**RESOLVED TO APPROVE** the syllabus of 6<sup>th</sup> semester core courses of UG degree programme to be offered under R-2023

➤ **B.Tech. IT – Syllabus**

**IT 23.02 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.Tech. IT – Elective Courses**

**IT 23.03 TO CONSIDER AND APPROVE THE COURSE DESIGN DOCUMENT OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

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

➤ **B.Tech. IT – Course Design Document**

**IT 23.04 TO CONSIDER AND APPROVE THE MODIFICATIONS OF I-SEMESTER CORE COURSES FOR THE PG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

**RESOLVED TO APPROVE** the modifications of I-Semester core courses for the PG degree programme to be offered under R-2023

➤ **M.Tech. Information Security and Cyber Warfare – 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 AI&DS Engineering.

- AI 23.01 TO CONSIDER AND APPROVE THE SYLLABUS OF 6<sup>th</sup> SEMESTER COURSES OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

**RESOLVED TO APPROVE** the syllabus of 6<sup>th</sup> semester core courses of UG degree programme to be offered under R-2023

➤ **B.Tech. AIDS – Syllabus**

- AI 23.02 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.Tech. AIDS – Elective Courses**

- AI 23.03 TO CONSIDER AND APPROVE THE COURSE DESIGN DOCUMENT OF UG DEGREE PROGRAMME TO BE OFFERED UNDER R-2023**

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

➤ **B.Tech. AIDS – Course Design Document**

**STUDENT CAREER SETTLEMENT**

The Placement details for the academic year 2024-2025 was presented by College placement coordinator **Dr.V.Manimaran**, Associate Professor, IT Department

- The Academic Council appreciated the efforts taken by the management and faculty of NEC in achieving higher placement outcomes

The Support for Higher Education was presented by College Higher Education Cell coordinator **Dr.B.Vigneshwaran**, Associate Professor, EEE Department

- The Academic Council members suggested enhancing student enrolment in higher education programs and requested that progress and achievements to be presented in the next meeting.

The Support provided to the students for Product Development & Entrepreneur was presented by College ED Cell coordinator **Dr.I.Sankar**, Associate Professor, Mechanical Engg., Department



- The Academic Council members appreciated the curriculum that fosters a product development culture at NEC. They also suggested promoting greater technology transfer and increasing student enrolment by nurturing interest in entrepreneurship.

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

##### Points suggested by the Academic Council members

1. Internship performance may be assessed using the evaluation sheet provided by the host industry, with a weightage of up to 20% of the total marks. Professors of Practice and Adjunct Faculty of the college may be included in the evaluation panel for internships.
2. **Course Outcome (CO) statements should, at a minimum, be framed to reflect the 'Apply' level in Bloom's Taxonomy.**
3. **The AI/ML course in the ECE programme** may be revised by removing LLM-related topics and incorporating additional AI content to better address current requirements.
4. Topics on Life Cycle Analysis may be introduced into relevant courses within the Civil Engineering curriculum.
5. The manuals of PWD rates and DSR rates may be included in the curriculum for practical exposure in relevant Civil Engineering courses.
6. **Course content on riveted connections** may be reduced, with greater emphasis placed on bolted connections in the Steel Structures course in Civil Engineering programme.
7. Theoretical Computer Science may be included as a unique vertical in the B.E. CSE programme and interest may be stimulated among the students.
8. The number of use cases in the AI practical course may be increased to provide students with exposure to a broader variety of applications.
9. Many AI and ML courses are available on the SWAYAM portal. Faculty members and students may be encouraged to register for these courses to enhance their knowledge.
10. Different Sustainable Development Goals (SDGs) may be appropriately linked with courses across the curricula of various programmes.
11. Courses related to quantum technology may be added to the curriculum of undergraduate programmes.
12. Courses offered by Stanford University's "Y Combinator" may be used as a benchmark to enhance entrepreneurship education.
13. Live classes may be conducted on Saturdays for students preparing for GATE, CAT, and other competitive examinations.


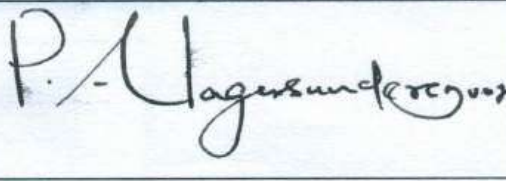










14. Existing student projects and prototypes should be showcased to first-year students to raise awareness and inspire them to continue or improve upon previous work.
15. Guest lectures may be arranged with experts from IITs, IISc, and industry to motivate students toward pursuing GATE and higher education opportunities.
16. Annual objectives and performance targets should be defined for each Head of Department (HoD), aligned with the strategic goals of the institution. These targets should be set at the beginning of the academic year for every department and reviewed periodically for progress.
17. Academic and research achievements of faculty members shall be highlighted in presentations.
18. Students may be categorized based on skill mapping (Low, Moderate, High) to tailor academic and training support accordingly.
19. Students shall be encouraged to actively participate in extra-curricular activities, in addition to academics.
20. Counselling services may be offered to both students and faculty to help manage academic and professional stress.
21. Ethics and professional conduct training sessions should be introduced for both students and faculty.
22. Hand-holding and structured mentoring systems should be developed for students.
23. The details of Major equipment and software available in innovation labs shall be presented in the academic council meeting
24. Japanese and German language classes may be introduced to meet future global demands, particularly considering the needs of ageing populations abroad.
25. A course or module on Creative Thinking may be introduced to foster innovation and problem-solving abilities in students.
26. **Students appreciated** the integrated curriculum, which enhances both their core and soft skills through the academic programme itself.
27. **Students have provided positive feedback** regarding the career support facilitated by the institution and the dedicated efforts of the faculty.

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

<b>Dr.K.Kalidasa Murugavel</b> Academic Council Chairman National Engineering College	
<b>Academic Experts</b>	
<b>Dr. P.Alagu Sundaramoorthy</b> Professor Department of Civil Engineering IITM, Chennai	
<b>Dr. S.Swamynathan</b> Professor Dept. of Information Science and Technology Anna University, Chennai	
<b>University Nominees</b>	
<b>Dr. M.Raj Mohan</b> Professor Department of Industrial Engineering Anna University, Chennai	
<b>Dr. P.Ramesh Babu</b> Professor Department of Electronics and Instrumentation Engg., Puducherry Technological University, Puducherry	
<b>Industrial Experts</b>	
<b>Mr.N.Lakshmi Narasimhan</b> Senior General Manager (Personnel & HR - LVBU), Brakes India Private Limited, Chennai	
<b>Dr.V.Govindaraj</b> Head, R&D, L&T Headquarters, Manappakkam, Chennai	
<b>Dr K M Suceendran</b> Head – Academic Alliances / Academic Interface Program, TCS, Chennai	
<b>Scientists from R &amp; D Laboratories</b>	
<b>Dr R.Brakaspathy</b> R&D Advisor, Centre for Industrial Consultancy and Sponsored Research, IITM, Chennai	
<b>Dr V Senthil Kumar</b> Group Director, Communication Systems Group U.R. Rao Satellite Centre, Bengaluru	



<b>Special Invitees</b>	
<b>Dr.S.Shanmugavel</b> Director	
<b>Internal Members</b>	
<b>Dr. A. Shenbagavalli</b> Prof. / ECE & Dean (Academic)	
<b>Dr.M.A.Neelakantan</b> Prof. & Head / S & H & Sr. Dean (IFA)	
<b>Dr.S.Iyahraja</b> Prof. & Head / Mechanical	 28/6/25
<b>Dr.S.Tamil Selvi</b> Prof. & Head / ECE	 28/6/25
<b>Dr.V.Gomathi</b> Prof. & Head / CSE	 28/6/25
<b>Dr.M.Willjuice Iruthayarajan</b> Prof. & Head / EEE	 28/06/2025
<b>Dr.K.G.Srinivasagan</b> Prof. & Head / IT & Dean (TCP)	
<b>Dr.I.Padmanaban</b> Professor & Head / Civil	 28/6/25
<b>Dr.V.Kalaivani</b> Professor & Head / AI & DS	 v. kal
<b>Dr.L.Kalaivani</b> Head / SPQAC	
<b>Dr. R. Muthukumar</b> Deputy Controller of Examinations	
<b>Dr.V.Manimaran</b> Associate Professor / IT	
<b>Dr.I.Sankar</b> Associate Professor / Mechanical	
<b>Dr.B.Vigneshwaran</b> Associate Professor / EEE	 B V
<b>Student Members</b>	
Mr. M. Mohamed Faisal, Final year Mech	M. Mohamed Faisal
Mr.S V J Guru Akash, Final year ECE	
Mr.T.Bala Krishna, Third year CSE	
Ms.J.Gokila, Final year EEE	J. Gokila
Mr. S.Alex, Final year IT	Alex.S
Mr. J Arumugaprabhu, Final year Civil	J. Arumugaprabhu
Mr. M. Sivarama Krishnan, Third year AI&DS	M. Sivarama Krishnan

  
 CHAIRMAN - ACADEMIC COUNCIL



# National ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI

(An Autonomous Institution – Affiliated to Anna University Chennai)

28.06.2025

## Actions Taken Report on Minutes of 22<sup>nd</sup> Meeting of Academic Council

(22<sup>nd</sup> meeting of Academic Council was held on 21.12.2024)

S. No.	Suggestions	Action Taken
1.	Members suggested to rename the course titled "Project Management and Finance" as "Project and Finance Management" in R-2023 Curriculum structure of B.E. Mechanical Engineering programme.	The course titled "Project Management and Finance" is a common course offered across various programmes in different semesters. It was offered in the 4th semester for B.E. Mechanical Engineering in the academic year 2024-2025, and renaming the course may lead to confusion.
2.	The Elective course titled "Fundamentals of 3D Modeling", "Scanning & Printing" may be changed as "Rapid Prototyping".	The course title has been changed as "3D Design and Manufacturing".
3.	A course titled "Clean room technology & design" may be added as an elective course in B.E. Mechanical & Civil Engineering programmes.	A course titled "Clean Room Technology & Design" is proposed to be added as an elective for the B.E. Mechanical Engineering programme. The necessary steps are underway, and the proposal will be presented for approval in the forthcoming Board of Studies (BoS) and Academic Council (ACM) meeting.
4.	In R-2023 curriculum structure of B.E. ECE programme, the elective course titled "Internet of Things" under the vertical titled "Internet of Things" may be changed as "Fundamentals of Internet of Things". The vertical title and course title should not be the same.	Based on the suggestions provided by the ACM members, the course titled "23EC47E Internet of Things" has been revised to "23EC47E Fundamentals of Internet of Things".
5.	The number of COs for the course "Embedded system for IoT" may be increased to 5.	The course "23EC46E Embedded Systems for IoT", which previously comprised four Course Outcomes (COs), has been revised to include five COs
6.	The members suggested to have unique verticals for the programmes CSE, IT and AI&DS in addition to the common verticals proposed.	Since the curriculum has already been structured with common verticals to address current industry needs, this suggestion will be taken into consideration for the next regulation.
7.	The course titled "Design of VR system" under the vertical "Augmented Reality / Virtual Reality" may be changed as	Due to the limited scope in the design of AR systems, the course content focuses solely on VR systems.

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S. No.	Suggestions	Action Taken
	"Design of AR & VR systems"	
8.	The course titled "Responsible AI" may be added under the vertical titled "Computational Intelligence".	As per the suggestion this course is added under the Computational Intelligence Vertical
9.	The course titled "Ethereum Smart Contracts" under the vertical "Blockchain Technology" may be changed as "Smart Contract and DApp"	As per the suggestion, it is renamed as Smart Contract and DApp
10.	The aspects of edge computing may be included in the relevant course of CSE, IT and AI&DS programme.	Edge computing concepts are included as Course Outcome 4 (CO4) in the "AI for Industrial Applications" course.
11.	The course titled "Gen AI" in the vertical titled Computational Intelligence may be changed as "Gen AI with LLM".	In the Generative AI course, concepts related to Large Language Models (LLMs) for text generation are covered under Course Outcome 2 (CO2). Additionally, the generation of images, audio, and video is addressed under Course Outcomes 3 (CO3) and 4 (CO4). Therefore, the course has been titled "Generative AI" to accurately reflect the breadth of content covered.
12.	The programme core course titled "Devops & Agile Methods" in the UG curriculum structure of CSE, IT and AI&DS programmes is mentioned as a 2 credit course. The course credit may be changed to three.	The theoretical content of the course has been reduced, and it is now offered as a two-credit course to maintain uniform total credits across all programmes.
13.	Uniform credits may be followed for all programme elective courses and the integrated elective courses with theory and practical component may be listed separately.	All Programme Elective Courses (PECs) have been uniformly assigned three credits.
14.	In Civil Engineering programme, the elective course titled "Soil pollution engineering" listed under the vertical named "Environment" may be moved to the vertical titled "Geotechnical & Transportation".	The elective course titled "Soil Pollution Engineering," originally listed under the "Environment" vertical, has been moved to the "Geotechnical & Transportation" vertical.
15.	The elective courses titled "Coastal Management," "Offshore Structures," and "Rock Management" listed in the R-2023 curriculum structure of the Civil Engineering programme are the	The courses related to Marine engineering are replaced with the civil engineering courses



S. No.	Suggestions	Action Taken
	programme core courses of Marine Engineering branch. Delivering these courses within the Civil Engineering department requires faculty expertise in the relevant specialized domains. Hence, it is recommended that these courses may be retained, if the necessary faculty expertise is available within the department.	
16.	The elective course titled "Disaster management" may be included in the vertical titled "Environment".	Considered and passed in the recent BoS
17.	The courses titled "Clean room technology & Design", "Green Building", "Environmental safety & sustainability", "Environmental social governance", "Building management system" and "Circular economy" may be included in the elective list.	A course titled "Energy Efficient Buildings," which covers concepts related to green building and sustainability has already been introduced. The remaining suggested electives are under consideration for inclusion in the forthcoming Board of Studies (BoS) meeting.
18.	Members suggested raising awareness among students about career opportunities in Public Sector Undertakings (PSUs) and the importance of the GATE score. They also recommended formulating a strategic plan for GATE coaching.	Awareness has been created among students about the GATE examination and career prospects in PSUs. A strategic plan for GATE coaching has been formulated and implemented on campus.
19.	The academic council members suggested framing proper guidelines for the assessment of the course "Internship/In-Plant Training."	<ul style="list-style-type: none"> <li>• Eligibility: After completion of the third semester. The student may undergo Industrial training in reputed organization after getting prior permission from HOD</li> <li>• Duration: Minimum of four weeks</li> <li>• Student has to submit a report for Internship</li> <li>• Evaluation Committee will be constituted by the respective department HOD to assess the report based on the following criteria"s. <ul style="list-style-type: none"> <li>• Internship Report (40%)</li> <li>• Student"s presentation (40%)</li> <li>• Oral Examination (20%)</li> </ul> </li> </ul>



#### Appreciation / Compliments

- The placement statistics of the 2021 - 2025 batch was presented in the ACM and the members appreciated and congratulated the entire team for their efforts in supporting the students' career development.
- The tutoring system followed on the campus was briefly presented in the meeting, along with a few samples of students' records/profiles. The members appreciated the students' achievements and commended the follow-up actions taken by the tutors, HoDs, and the Principal to strengthen each student's profile.
- The activities of iTBI, K.R. Innovation centre was presented in the ACM, and it was greatly appreciated by the members. They also suggested to design proper strategy to generate income from K.R. Innovation centre.
- The student members of the Academic Council appreciated the experiential learning and integrated courses in the R-2023 curriculum, as well as the curriculum improvements compared to the R-2019 curriculum.

  
CHAIRMAN / ACADEMIC COUNCIL



## 23<sup>rd</sup> ACADEMIC COUNCIL MEETING ON 28.06.2025

