23.05.2025

MINUTES OF THE 3rd MEETING OF THE ACADEMIC COUNCIL

The 3rd meeting of academic council meeting was held on 23.05.2025 at 10.30 AM in the Conference Hall. Principal gave a warm cordial welcome to all the members of Academic council. The following council members were present

S. No	Name	Role	Signature
1.	Dr. C. Elanchezhian, Principal.	Chairman – Principal	
2.	Dr. Ganapathi Malarvizhi Professor, Department of Civil Engineering, CEG Campus, Anna University, Chennai – 600 025.	University Nominees	
3.	Dr. S. Hosimin Thilagar Professor, Department of Electrical and Electronics Engineering, Anna University, Chennai – 600 025		- ABSENT -
4.	Dr. V. Vijayalakshmi Professor Department of ECE., Puducherry Technological University Puducherry.		
5.	Dr. C. Karthikeyan, Dean – Faculty of Engineering and Technology, Annamalai University, Chidambaram.	Academician – Nominated by the Governing body	
6.	Dr. G. Zayaraz, Professor and Head, Dept. of CSE, Puducherry Technological University, Puducherry.		
7.	Mr. S. Sivakumar, Head – Design, Royal Enfield, Chennai.	Industrialist – Nominated by the Governing body	
8.	Mr. Rajasekar, Director Projects, Cognizant, Chennai		

9.	Dr. R. Sathiyaseelan, Registrar.	Member – Teachers of the College	
10.	Dr. V. Saravanan, Professor, EEE		
11.	Prof. R. Senthil, ASP/Mech		
12.	Dr. K. Yogitha, ASP/ECE		
13.	HoD – Agricultural Engineering	All the Heads of Departments	
14.	HoD – Artificial Intelligence and Data Science		
15.	HoD – Artificial Intelligence and Machine Learning		
16.	HoD – Biotechnology		
17.	HoD – Computer Science Engineering		
18.	HoD – CSE (Cyber Security)		
19.	HoD – Chemical Engineering		
20.	HoD – Civil Engineering		
21.	HoD – Electronics and Communication Engineering		
22.	HoD – Electrical and Electronics Engineering		
23.	HoD – Humanities and Science		
24.	HoD – Information Technology		
25.	HoD – Mechanical Engineering		
26.	HoD – Management Studies		
27.	Dr. L. Jayakumar, CoE.	Controller of Examination	
28.	Dr. J. Vinoth Arulraj, Assistant Professor, Biotechnology	Member Secretary – Nominated by the Principal.	

Item No	Points Discussed/Resolution
003.01.01	**Discussion -** Approval of proceedings of 2nd academic council meeting held on 07.12.2024.
	Resolution – The council approved the proceedings of 2nd academic council meeting
003.01.02	**Discussion -** Action taken report
	Resolution – The Principal presented the action taken report on points discussed in second academic council meeting As per the discussion in the second academic council meeting, the BoS meetings for all departments were conducted between 04.04.2025 and 02.05.2025.
003.02.01	**Discussion – Approval of Regulations (R 2024)**
	Resolution **1.Professional Electives**: A student can choose any professional elective courses from any set of given list of elective courses in the curriculum. **2.Evaluation procedures of Internship-** The evaluation procedure for Internship is mentioned in the Regulations R2024 (Clause 12.5b). Ratified Modification in the regulation R-2024 will be Carried out from the forth coming academic year 2025-2026, if referred by BoS and approved by Academic Council of Arunai Engineering College. **The council approved the same.**
003.03.01	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes** **Course Name: B.E - CIVIL ENGINEERING**
	Resolution – 1. The course 'Engineering Mechanics' modified to 'Applied Mechanics' in 3rd Semester. 2. The course 'Strength of Materials' units were Revised in 4th semester. **The council approved the same.**

Item No	Points Discussed/Resolution
003.03.02	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: M.E- Structural Engineering**
	Resolution – No suggestions received from Bos Members **The council approved the same.**
003.03.03	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name - B.TECH - CHEMICAL ENGINEERING**
	Resolution –The following points 1. The Board discussed the proposal to introduce an elective paper on industrial effluents, focusing on water treatment and water quality management. 2. The Process Dynamics and Control (PDC) subject and Process control laboratory are to be shifted to the sixth semester. 3. The course Transport Phenomena (TP) shifted to electives. **All the modifications were made in the curriculum and the council approved the same.**

Item No	Points Discussed/Resolution
003.03.04	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: B.TECH - Artificial Intelligence & Data Science & B.E - Artificial Intelligence and Machine Learning**
	Resolution – 1. Life science paper should be included as Mandatory Course. 2. NPTEL course may be included and credit to be given. **All the modifications were made in the curriculum and the council approved the same.**
003.03.05	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: B.E - CSE (CYBER SECURITY)**
	Resolution – 1. It is proposed that the course "Web Essentials" be renamed as "Web Technology" in professional elective. 2. It is proposed that the Semester III course "Programming in Java" be restructured as a theory-cum-laboratory course, with the course title revised to "Object-Oriented Programming". **All the modifications were made in the curriculum and forwarded to the Academic council for approval.**

Item No	Points Discussed/Resolution
003.03.06	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: B.E - ELECTRONICS AND COMMUNICATION ENGINEERING**
	Resolution – 1. In semester V Microprocessor and Microcontroller course, Antenna and Microwave engineering courses in Professional elective are included in curriculum . 2. The course Communication Lab should be changed as Analog and Digital Communication Lab. 3. To remove few topics in Unit V of the course Electron Devices and Circuits. 4. In the course of Analog and Digital Communication Unit V to be replaced with Noise characterization **All the modifications were made in the curriculum and the council approved the same.**
003.03.07	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: B.E- ELECTRICAL AND ELECTRONICS ENGINEERING**
	Resolution – 1. The course 'IoT and Applications' be shifted from the semester IV to V and the course 'Analog, Digital and Virtual Instrumentation' be shifted from the semester V to IV. 2. The evaluation procedure for Internship be mentioned in the Regulations. **All the modifications were made in the curriculum and the council approved the same.**

Item No	Points Discussed/Resolution
003.03.08	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: M.E. POWER ELECTRONICS & DRIVES**
	Resolution – No suggestions received from Bos Members **The council approved the same.**
003.03.09	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: B.E - MECHANICAL ENGINEERING**
	Resolution – 1. The course 'Fluid Power Engineering' name may be changed as 'Fluid Power Automation' in sixth semester. 2. The evaluation procedure for Internship be mentioned in the Regulations. 3. Professional and open electives list may be modified in compliance with the Regulations. Also suggested to include Green Manufacturing courses, Renewable Energy System Design and Development, Nanotechnology and Micro/Nano Electro-Mechanical Systems (MEMS), Sustainable and Circular Economy. **All the modifications were made in the curriculum and the council approved the same.**

Item No	Points Discussed/Resolution
003.03.10	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: M.E -Thermal Engineering**
	Resolution – No suggestions received from Bos Members **The council approved the same.**
003.03.11	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: B.TECH - BIOTECHNOLOGY**
	Resolution – 1. To reduce the period of Internship to 1 to 2 weeks from 4 weeks in the 2nd year of study and follow 4 weeks internship in 3rd year. 2. To include components regarding fermentation technology in the course Industrial Bioprocesses. 3. To include Industrial Microbiology by Casida as a reference book for Industrial Bioprocesses. 4. To include a chapter regarding Industrial applications of enzymes in the course Enzyme Technology. **All the modifications were made in the curriculum and the council approved the same.**

Item No	Points Discussed/Resolution
003.03.12	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: M.TECH - BIOTECHNOLOGY**
	Resolution – No suggestions received from Bos Members **The council approved the same.**
003.03.13	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: B.E - COMPUTER SCIENCE AND ENGINEERING**
	Resolution – 1. It is proposed that the course "Web Essentials" be renamed as "Web Technology" in 4th semester to better reflect the course content and industry relevance. 2. It is proposed that the Semester III course "Programming in Java" be restructured as a theory-cum-laboratory course, with the course title revised to "Object-Oriented Programming". 3. It is recommended that either "Object-Oriented Analysis and Design" or "Object-Oriented Software Engineering" be included as a Professional Core course in the higher semesters. **All the modifications were made in the curriculum and the council approved the same.**

Item No	Points Discussed/Resolution
003.03.14	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: M.E- COMPUTER SCIENCE AND ENGINEERING**
	Resolution – No suggestions received from Bos Members **The council approved the same.**
003.03.15	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: B.TECH - INFORMATION TECHNOLOGY**
	Resolution – No suggestions received from Bos Members **The council approved the same.**
003.03.16	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: B.E–AGRICULTURAL ENGINEERING**
	Resolution – No suggestions received from Bos Members **The council approved the same.**
003.03.17	**Discussion – Review and approval of BoS recommendations of curriculum and syllabi of all UG and PG programmes.** **Course Name: Master of Business Administration**
	Resolution – 1. **Leadership and Team building skills is added in third semester as soft skill course with 2 credit points as additional course.** 2. **Total credit points for MBA program increased from 90 to 102 Credits.** **All the modifications were made in the curriculum and the council approved the same.**

Item No	Points Discussed/Resolution
003.05.01	**Discussion – Any other matters** **Academic council members suggested the following points,** 1. Members suggested to check the passing minimum requirements and credit level transformation from NPTEL course. 2. Members suggested to do multidisciplinary projects among the departments. 3. Members suggested to do NPTEL course in soft skill and Communication skill as Non Credit Course to improve students communication skills. 4. Members suggested to involve experts from industries for all the courses, and suggested to identify suitable alumni for this purpose. 5. Members suggested to give more weightage for analytical concept questions in question papers. 6. Members suggested to do projects in recent developments like battery technology, EV technology, etc.
003.05.02	**To fix the date for the next meeting of academic council.** Members suggested to conduct the next academic council meeting tentatively in November 2025

Member Secretary
Dr. J. Vinoth Arulraj,

23/05/25

Chairman- Principal
Dr. C. Elanchezhian

Item No	Points Discussed/Resolution
003.04.01	**Discussion – Academic performance reports in Odd Semester 2024-25.**
	Resolution – 1. **Autonomous End Semester Examination: S**uccessfully completed Autonomous End Semester Examinations Nov/Dec, 2024 for all UG/PG Programmes. 2. **Scribe: Mr.S.Rishikeshwaran (510424214025**) Student of B.Tech Biotechnology of Batch 2024-2028 requested for scribe support on visually impairment condition for the end semester examinations April/May 2025. **Ms.R.Malathy/Asst Librarian, Arunai Engineering College** has been assigned as Scribe to support him. 3. **Invigilation duty:** The Exam cell of Arunai Engineering College requests permission for the amendment in the External and Internal faculty ratio for the Theory Exam invigilation as mentioned below in rare case. As per Previous Anna University norms the faculty ratio for the Theory Exam invigilation Internal : External as 50%:50% , Now **Amendment Requested to the change the ratio for the Theory Exam invigilation Internal : External as 60%:40%**. **The council approved the same.**