



P.S.R. ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Sevalpatti (P.O), Sivakasi - 626140.

Tamilnadu State



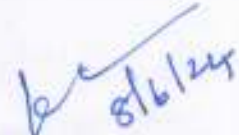


MEETING OF ACADEMIC COUNCIL

MINUTES OF 16th MEETING OF ACADEMIC COUNCIL OF P.S.R. ENGINEERING COLLEGE HELD ON 8th JUNE 2024 AT 11:00 AM IN THE BOARD ROOM IN BLENDED MODE

Date: 8th June 2024

Members Present

S.No.	Name and Category	Affiliation	Signature
1	Dr. J. S. Senthikumaar Chairman	Principal P.S.R Engineering College	 8/6/24
2	Dr. P. Palanisamy University Nominee	Professor, Electronics and Communication Engineering, National Institute of Technology, Tiruchirappalli - 620 015	 8-6-2024
3	Dr. M. Shyamala University Nominee	Professor (Chemistry, GCT, Coimbatore), Tamilnadu Engg Admissions (TNEA), DoTE, Chennai - 600025	online
4	Dr. S. Sudha University Nominee	Professor and Dean, University College of Engineering, Dindugal- 624 622.	Unable to attend
5	Dr. S. Rajaram Member-Academic	Professor, Department of Electronics and Communication Engineering, Thiagarajar College of Engineering, Madurai - 625015	online
6	Dr. D. Jebakani Member-Academic	Professor, Department of Mechanical Engg., Government College of Engineering, Tirunelveli-627017	 8/6/24

7	Mr. P. Thalai Selvam Member- Industry	Deputy Manager - Corporate Sustainability, Innowell Engineering Intl. Pvt Ltd., Chennai	P. Thalai Selvam
8	Mr. V. Sankaranarayanan Member-Alumni	Branch Head, City Union Bank, Tenkasi - 627811	V. Sankaranarayanan
9	Dr. P. Marichamy Member-College	Professor/ECE & Dean P.S.R Engineering College	P. Marichamy
10	Dr. P. Pitchipoo Member-College	Professor/Mech& IQAC P.S.R Engineering College	P. Pitchipoo 8/6/24
11	Dr. R. Vinoth Member-College	Associate Professor/ECE P.S.R Engineering College	R. Vinoth 8/6/24
12	Dr. S. Venkatesh Member-College	Associate Professor/Biotech P.S.R Engineering College	S. Venkatesh
13	Dr. M. Shahul Hameed	HOD/Civil & Dean (Research)	M. Shahul Hameed
14	Dr. K. Valarmathi	HOD/ECE	K. Valarmathi 8/6
15	Dr. A. Ramathilagam	HOD/CSE	A. Ramathilagam
16	Dr. H. Kanagasabapathy	HOD/Mech	H. Kanagasabapathy
17	Dr. R. Muniraj	HOD/EEE	R. Muniraj
18	Dr. S. Manikandan	HOD/Biomed	S. Manikandan
19	Dr. S. Sabarunisha Begum	HOD/Biotech	S. Sabarunisha Begum 8/6/24
20	Dr. S. Priyadarsini	HOD/AI&DS	S. Priyadarsini 8/6/24
21	Dr. R. Ramani	HOD/IT	R. Ramani
22	Dr. P. Kannan	HOD/MBA	P. Kannan
23	Dr. K. Selvarani	HOD/H&S	K. Selvarani
24	Dr. R. Kasiraman	Placement Officer	R. Kasiraman 8/6/24
25	Dr. R. Rajeswari	Controller of Exams	R. Rajeswari 8/6/24
26	Mrs. P. Lingeswari Member-Secretary	Assistant Professor/ECE	P. Lingeswari

The Principal and Chairman welcomed the members for the 16th meeting of the Academic Council. He introduced both the external and internal members to the Academic Council. Then he briefed the agenda to be discussed in the meeting after giving a brief introduction about the college. The Board of Studies meetings of the departments were conducted on 22.03.2024 & 23.03.2024.

16.01: To confirm the minutes of 15th meeting of the Academic Council held on 16.12.2023

The Principal, chairman of the Academic Council invited the members' comments on the minutes of the 15th meeting of the Academic Council, which was communicated to the members.

Resolved to confirm the minutes of the 15th Meeting of Academic Council held on 16.12.2023 as there were no comments on the minutes of the meeting.

16.02: To review the action taken on the minutes of 15th meeting of the Academic Council

Chairman presented the actions taken on the suggestions made in the 15th meeting of the Academic Council held on 16.12.2023.

ITEMS of 15 th Academic Council Meeting	Resolutions Passed	Compliance /Action Taken
15.04. To review the evaluation procedure for the attainment of course outcomes	Adopt the revised evaluation procedure for the attainment of course outcomes of the different category of courses from the year 2023-24 and onwards.	Implemented
15.06 to 15.13. To consider the recommendation of the Board of Studies	Approve the recommendation of the Board of Studies of ECE, CSE, IT, EEE, MBA, Biotech, Mech, Biomedical, & Civil Engineering	Implemented

The council resolved to ratify the action taken as presented.

16.03: Appraisal of Academic Developments during the Year 2023-24

Chairman appraised to the members that the following developments have taken place during the academic year 2023-24 as on date.

- Number of candidates enrolled for the Ph.D. programme during the year 2023-24 is 30 (July'23: 7 & Jan'24: 23)
- Number of scholars successfully completed Ph.D. during the year 2023-24 is 9
- Number of faculty members of the college completed Ph.D. is 4

- Number of publications in reputed journals is 88 (h-index: Scopus 30, GS 56; i10: Scopus 67, GS 343; Citations: Scopus 4707, GS 14172)
- Number of Books / Book Chapters published is 14
- Total number of patent grants received: 31
- A project of EEE dept. titled "Modeling, Testing and Optimizing Battery Management System for Sodium Ion Battery Module" submitted to DST under AMEST scheme has been selected for the grant of about Rs.94 L.
- A project of ECE dept. titled "The Livelihood Enhancement of Rural SC Community People Engaged in Firecracker Factories near Sivakasi by improved Occupational Safety Measures and Life Standards" submitted to DST under SEED scheme has been selected for the grant of about Rs.28.63 L.
- A student project of the EEE dept. titled "Intelligent Automatic Room Freshener" has been selected for the grant of about Rs.4 L by AICTE under the scheme of Yukti Innovation Challenge -2023
- A total of 20 projects of the students received a grant of Rs. 10,000/- each from the Govt of Tamil Nadu under the scheme of Naan Mudhalvan, Niral Thiruvizha
- A student project (by M. Narayani & S A Sudha - 3rd ECE) has received a cash award of Rs. 10,000/- as a Title Winner in the competition of Innovate TN RFI Challenge organized by the TN BJP Startup Cell at KARE, Krishnankoil on 7.03.2024.
- A student project (by K. Karuppasamy, 3rd ECE) has received a cash prize of Rs. 10,000/- & an opportunity for Internship at IBM in the competition of Wonder of AI (Hackathon) conducted jointly by the IBM & KARE, Krishnankoil on 26&27.03.2024.
- A student (M. Narayani, 3rd ECE) has been selected for Educational cum Cultural Tour (from Tamilnadu to Utrakhnad) under the scheme Yuva Sangam Phase IV organized by the IIT, Tiruchirappalli from 26.03.2024 - 06.04.2024.
- A NCC cadet (S. Suganya - 3rd EEE) has attended the RDC camp at New Delhi in the month of Jan'2024.

The members noted down the activities of various departments and appreciated the faculty and students for their efforts in achieving excellence.

16.04: To ratify the withdrawal of Apr/May 2024 exam by a NCC cadet for attending selection camps for Thal Sainik Camp (TSC)

The chairman presented that a NCC cadet, Ms. A. Jeyalakshmi of third year UG Biomedical Engineering student has applied to withdraw from appearing sixth semester Apr/May'2024 end semester examination for attending selection camps for Thal Sainik Camp (TSC). She was permitted to withdraw and write the Examination during Nov/Dec 2024 Exam as per clause 17.1 of Regulation-2019. The appearance will not be considered as an attempt.

The council ratified the decision of the College as per the regulation in allowing the student Ms. A. Jeyalakshmi, a NCC cadet to withdraw from the examination in order to attend the selection camps for Thal Sainik Camp.

16.05: To consider the recommendations of the Board of Studies of Electronics and Communication Engineering held on 23.03.2024

Dr. K. Valarmathi, HoD/ECE presented the recommendations of the Board of studies, held on 23.03.2024 for approval of the council.

- In unit-1 of Signals and Systems subject, to change the word 'Fourier series analysis' as 'Fourier Series'.

The council has resolved to approve the recommendations of the Board of Studies of ECE department.

16.06: To consider the recommendation of the Board of Studies of Computer Science and Engineering held on 23.03.2024 and the revision of PEOs and PSOs

Dr. A. Ramathilagam, HoD/CSE presented the recommendation of the Board of studies for Computer Science and Engineering programme:

Computer Science and Engineering

- Include Evolution of Mobile OS in module-1 of the subject 231CS45-Operating Systems
- Use latest version of JDK support release in the subject 231CS45-Java Laboratory

Then she presented the proposed minor revisions in the statements of PEOs and PSOs for the members' comments and finalization. After discussion, the following revised PEOs and PSOs have been finalized:

The Revised Programme Educational Objectives (PEOs)

PEO 1: Lead a successful career by acquiring essential knowledge in the field of Computer Science and Engineering.

PEO 2: Assess real life problems and deal with them confidently relevant to the society.

PEO 3: Engage in lifelong learning by pursuing higher education, Research and as Entrepreneurs.

PEO 4: Build interpersonal skills, team work with ethical values to meet the societal needs.

The Revised Programme Specific Objectives (PSOs)

PSO 1: Design, Implement, Test and evaluate a computer system, component, or algorithm to meet desired needs and to solve a computational problem.

- PSO 2: Understand, Analyze and Develop solutions in a wide range of Computer Science and Engineering domains to tackle real-life problems by applying industry-standard practices and strategies.
- PSO 3: Promote knowledge for identifying gaps, proposing innovative solutions, and potentially conducting research to test and validate ideas.

The council has resolved to approve the above minor revisions in the syllabus and the revised PEOs and PSOs.

16.07: To consider the recommendation of the Board of Studies of Computer Science and Engineering for the programme Artificial Intelligence and Data Science held on 23.03.2024 and the minor revision of PEOs

Dr. S. Priyadarsini, HoD/AI&DS presented the recommendation of the Board of studies for Artificial Intelligence and Data Science programme:

- Title of the subject 'Data Mining and Data Warehousing' is replaced as 'Fundamentals of Data Mining'.
- Include advanced learning algorithms in the subject 'Machine Learning'.
- Replace the word MATLAB by 'Software' in the Machine Learning Laboratory course.

Then she presented the proposed Programme Educational Objectives (PEOs) as below:

- To enable graduates to pursue higher education and research and have a successful career in industries associated with Engineering.
- Graduates will be able to handle the challenges of rapidly changing technology in real-life problems.
- Embrace lifelong learning to meet ever changing developments in Artificial Intelligence and Data science.
- Graduates will attain necessary skills including entrepreneurial knowledge that allow them to contribute ethically to the need of society

The council has resolved to approve the above minor revisions in the syllabus and the PEOs for the programme Artificial Intelligence and Data Science.

16.08: To consider the recommendation of the Board of Studies of Computer Science and Engineering for the programme Information Technology held on 23.03.2024 and the proposed Vision, Mission and PEOs

Dr. R. Ramani, HoD/IT presented the recommendation of the Board of studies for Information Technology programme:

- Inclusion of a course Sensors and Measurements in Semester- III
- Replace the word Web Essential by Web Technology in Semester-VI

Then she presented the proposed Vision, mission and Programme Educational Objectives for the programme of Information Technology as below:

Vision

To cultivate engineers who are adept at meeting the evolving demands of the information technology field

Mission

- Providing a structured curriculum to impart essential IT knowledge and adeptly address industry demands
- Updating resources regularly to incorporate advancements in technology and research within the field
- Offering essential training programs to enhance professional skills in the IT domain

PEOs

- Pursue a successful career in Information Technology and related domains
- Embrace professional and societal responsibilities with confidence to advance personally and professionally
- Engage in lifelong learning opportunities to enhance and broaden technical and professional skills
- Demonstrate effective teamwork and uphold the highest standards of professional ethics.

Resolved to approve the minor revisions in the syllabus and the proposed vision, mission and PEOs as per the recommendation of the Board of Studies of Computer Science and Engineering.

16.09: To consider the recommendation of the Board of Studies of Electrical and Electronics held on 22.03.2024

Dr. R.Muniraj, HoD/EEE presented the recommendation of the Board of studies of EEE:

- Inclusion of calibration experiment – Calibration of 1- ϕ Energy Meter 231EE48 Control and Instrumentation Laboratory
- Inclusion of Topic 'Different battery packs' in module-III of 231EEV12 Energy Storage System
- Inclusion of Topic 'Restructured Power Systems in India' in module-I 231EEV18 Restructured Power systems

Resolved to approve the minor revisions in the syllabus as per the recommendation of the Board of Studies of Electrical and Electrical Engineering.

16.10: To consider the recommendation of the Board of Studies of Biotechnology held on 23.03.2024

Dr. S. Sabarunisha Begum, HoD/Biotech presented the recommendation of the Board of studies of Biotechnology:

- To add the methods of detection of food adulterants 231BT45 - Food Processing Principles and Technology
- Suggested to include the roles and responsibilities of ethical committees 231BTV73 - Clinical Trials and Health Care Policies in Biotechnology
- Recommended to add FSSAI nutra regulation, ISO 9001: 2015, ISO 22000 231BTV74 - Regulatory Affairs and Quality Management
- Proposed to add the herbal extraction of techniques and study of polar and non-polar solvents 231BT34 - Bio-analytical Techniques

Resolved to approve the recommendation of the Board of Studies of Biotechnology as presented above.

16.11: To consider the recommendation of the Board of Studies of Mechanical Engineering held on 23.03.2024

Dr. H. Kanagasabapathy, HoD/Mech presented the recommendation of the Board of studies of Mechanical:

- 231MEV31-Composite Materials and Engineering - added topic "Moisture Absorption of Composites" in module-5.
- Added a topic "Necessity of battery thermal management" in module-3.
- 231MEV32 Energy Storage Materials - Shifted the topic "E - Waste Management Rule" from Module 5 to Module 4.
- 231MEV34 Green Energy Systems - Changed the Module-1 heading as "Solar Energy Radiation". Added a topic "Wind and Biomass Energy" in module-3.
- 231MEV38 Thermal Power Plant - Shifted the topic "Electrostatic Precipitator from Module 2 to Module 1"

Then he presented the revised Programme Educational Objectives (PEO) and Programme Specific Outcomes (PSO) as below:

PEOs

- Acquire the knowledge and skills necessary to pursue a career in Mechanical Engineering.
- Engage in professional and outreach endeavors by solving the real life problems in Mechanical Engineering and allied domains relevance to the society.
- Succeed in pursuing higher education in Mechanical Engineering and related areas, including Management, leading to masters and research programs.

- Exhibit the leadership and interpersonal skills and able to work in interdisciplinary technological activities for success.

PSOs

- Exploit gained knowledge in modern science and Engineering concepts to solve the real time problem in the Mechanical domains.
- Design, Analyze the components and systems for Mechanical Engineering applications
- Analyze and Optimize Production, Industrial Engineering and Management problems using Mechanical Engineering software.

Resolved to approve the recommendation of the Board of Studies of Mechanical Engineering and the revised PEOs and PSOs as presented above.

16.12: To consider the recommendation of the Board of Studies of Biomedical Engineering held on 23.03.2024

Dr. S. Manikandan, HoD/Biomedical presented the recommendation of the Board of studies of Biomedical Engineering:

- Included the topic electrical safety and standards in module-5 of 231BM31 Sensors and Measurements
- Included the topic safety of biomedical equipment in module-5 of 231BM41 Biomedical Instrumentation
- Included the topic Adder, Subtractor, buffer in module-1 of 231BM42 Analog and Digital Integrated Circuits
- Included the topic Spiral CT in module-2 231BM43 Medical Imaging Systems
- Changed the course title as 231BM62-Artificial Intelligence and Machine Learning for Healthcare as 231CS61-Artificial Intelligence and Machine Learning

Then he presented the proposed revision in vision, mission for the programme of Biomedical Engineering as below:

VISION

To produce competent biomedical engineers who can integrate engineering principles with biology to enhance healthcare and augment the wellbeing of society.

MISSION

- Provide a structured curriculum that bridges engineering with biological science.
- Offer required training that encourages the application of engineering techniques in the biomedical field.
- Create an environment conducive to undertaking research and innovative projects, and foster collaborations with healthcare providers.

Resolved to approve the recommendation of the Board of Studies of Biomedical Engineering and the revised vision mission as presented above.

16.13: To consider the recommendation of the Board of Studies of Civil Engineering held on 22.03.2024

Dr. M. Shahul Hameed, HoD/Civil presented the recommendation of the Board of studies of Civil and the revised vision and mission statements:

VISION

To produce competent biomedical engineers who can integrate engineering principles with biology to enhance healthcare and augment the wellbeing of society.

MISSION

- Provide a structured curriculum that bridges engineering with biological science.
- Offer required training that encourages the application of engineering techniques in the biomedical field.
- Create an environment conducive to undertaking research and innovative projects, and foster collaborations with healthcare providers.

Resolved to approve the revised vision and mission statements of Civil Engineering as presented above.

16.14: To consider the recommendation of the Board of Studies of MBA held on 23.03.2024

Dr. P.Kannan, HoD/MBA presented the recommendation of the Board of studies of MBA:

- Types of gauges and measuring instruments topics has added in module-3 in the Quality Management (233BA02)
- Web 2.0 Vs Web 3.0 has added in module-1 in the E-Business Management (233BAB4).
- Emerging topics like Overview of global Retailing – Challenges and opportunities. Characteristics of each format – MNC's role in organized retail formats. Retail Management information system, Retail service quality management – Retail supply chain management in modules 1, II and III respectively in Retail Management (233BAM1)
- Classification of services & Service marketing triangle topics moved to module-1 & Pricing of services- Pricing strategy has added in module-2 in Services Marketing (233BAM2)
- The topic "Sales budgets - Sales Force Budgeting Methods" added in module-2 & The Topic "Controlling the sales team – Evaluation of performance" added in module-3 in the Sales and Distribution Management (2333BAM6)
- Topics "ECGC (Export Credit Guarantee Corporation)" has added in module-5 in the International Finance (233BAF3)

Resolved to approve the recommendation of the Board of Studies of MBA as presented above.

16.15: To nominate new academic experts to the Board of Studies for the next term of three years [2024-25 to 2026-27]

Head of the departments proposed the following academic experts to the Board of Studies for the next term of three years:

Dept/Board of Studies	Academic Expert #1	Academic Expert #2
Electronics and Communication Engg	Dr.S.Mohamed Mansoor Roomi Professor, Department of Electronics and Communication Engineering, Thiagarajar College of Engineering, Madurai - 625015	Dr.P.Sivakumar Professor & Dean (SEET), Department of Electronics and Communication Engineering, Kalasalingam Academy of Research and Education, Krishnankovil, Srivilliputhur - 626 126
Computer Science and Engineering	Dr. S. Dhanasekaran Associate Professor & Head Department of Information Technology Kalasalingam Academy of Research and Education (Deemed to be University) Krishnankoil - 626126	Dr. S. Geetha Sr. Professor and Associate Dean (Research), School of Computer Science and Engineering, Vellore Institute of Technology, Vellore - 632004.
Electrical and Electronics	Dr.V.Saravanan , Professor Department of Electrical and Electronics Engineering Thiagarajar College of Engineering (A Govt. Aided Autonomous Institution) Madurai - 625015	Dr.A.Ramkumar , Associate Professor Department of Electrical and Electronics Engineering Kalasalingam Academy of Research and Education (Deemed to be University) Krishnankoil - 626126.
Civil	Dr. V. Senthilkumar , Associate Professor, Civil Engineering, IIT Palakkad, Kerala 678623	Dr. K. Mahendran , Director, Rural Technology Centre, Gandhigram Rural Institute (Deemed to be University), Dindigul-624302
Mechanical	Dr. K. Jayabal Professor and Dean (Academics), IITDM Kancheepuram, Chennai	Dr. N. Rajini Professor, Faculty of Mechanical Engineering, Kalasalingam Academy of Research and Education, Srivilliputhur

Biotechnology	Dr. I. Ganesh Moorthy Associate Professor (Senior) School of Chemical Engineering Vellore Institute of Technology Vellore, Tamil Nadu	Dr. Naresh Kumar Sharma Associate Professor, Department of Biotechnology Kalasalingam Academy of Research and Education, Krishnankoil, Srivilliputhur, Tamil Nadu
Biomedical	Dr. T. Arunprasath Associate Professor(SG), Department of Biomedical Engineering, Kalasalingam Academy of Research and Education (KARE), Krishnankovil, Srivilliputhur.	Dr. N. Sivakumaran Professor, Department of Instrumentation and Control Engineering, National Institute of Technology, Tiruchirappalli
Artificial Intelligence and Data Science	Dr. T. Senthilkumar Associate Professor, Department of School of Computing, Coimbatore, Amrita Vishwa Vidyapeetham, Coimbatore - 641112	Dr. M. P. Ramkumar Associate Professor, Department of Computer Science and Engineering, Thiagarajar College of Engineering, Madurai - 625015
Information Technology	Dr. G. S. R. Emil Selvan Associate Professor Department of Computer Science and Engineering Thiagarajar College of Engineering Madurai - 625015	Dr. S. Maheswari Associate Professor School of Computer Science and Engineering, Vellore Institute of Technology, Chennai - 600127
Master of Business Administration (MBA)	Dr. B. Senthil Arasu, Professor & Head of the Department Department of Management Studies National Institute of Technology, Tiruchirappalli	Dr. N. Ravikumar, Associate Professor, Presidency Business School, Bengaluru, Karnataka

Resolved to approve the proposed academic experts for the Board of Studies of departments as presented above.

The meeting concluded with vote of thanks at 1.30 pm.



[Signature]
Principal & Chairman
PRINCIPAL
P.S.R. ENGINEERING COLLEGE
SIVAKASI-626 140.