KPR Institute of Engineering and Technology
(Autonomous)

KPRIET
Learn Beyond

9th ACADEMIC COUNCIL

MINUTES OF THE MEETING

Venue: The Legend, Imperial Hall, KPRIET (Hybrid Mode)

Date: 05 Jan 2024

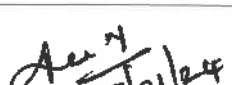
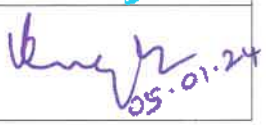
Time: 10.15 am

Meeting ID:
https://us06web.zoom.us/j/84416918803?pwd=eZWsMyVoiFmS5nCJc00uXALEQkzpLe.1

Members Present:

S. No	Name of the member	Category	Signature
1	Dr. M. Ramasamy Principal	Chairman	05/01/2024
2	Dr. V. Manikandan, Professor, Department of EEE, Coimbatore Institute of Technology, Coimbatore.	Anna University Nominee	5/1/2024
3	Dr. P. Sathiya, Professor, Department of Production Engineering, National Institute of Technology, Trichy.	Anna University Nominee	5/1/23
4	Dr. C. Santhi, Professor and Head, Department of Electronics and Communication Engineering, Government College of Technology, Coimbatore - 641014. santhi.c.ece@gct.ac.in 9952432677	Anna University Nominee	5/1/23 (Dr. C. SANTHI)
5	Dr. Vijay Natarajan Department of Computer Science and Automation, Indian Institute of Science, Sir C.V. Raman Road, Bangalore.	Academic Expert	Online
6	Dr. Arun Kumar Kaushik Associate Dean for Academic Affairs and Associate Professor of Economics O.P. Jindal Global University Private university in Sonipat, Haryana.	Economist	Online
7	Mr. R Balasubramanian Consultant at L&T EduTech. Larsen & Toubro, Chennai.	Industry Expert	Online

8	Mr. B. Vivek (2010 – 2014 Batch - CE) Project Engineer, RG Associates, Coimbatore	Alumnus (Special Invitee)	
9	Dr. A. M. Natarajan Chief executive	Management Representative	
10	Dr. P. Narayanasamy Visiting Professor, Electrical and Electronics Engineering	Special Invitee	
11	Dr. S. V. Sudha Professor & HoD Artificial Intelligence and Data Science	Member	
12	Dr. D. Ganeshkumar Professor & HoD Biomedical Engineering	Member	
13	Dr. S. Balasubramanian Professor & HoD Chemical Engineering	Member	
14	Dr. G. Anusha Professor & HoD Civil Engineering	Member	
15	Dr. R. Devipriya Professor & HoD Computer Science and Engineering	Member	
16	Dr. S. Karthikeyan Associate Professor & HoD Computer Science and Engineering (AI&ML)	Member	
17	Dr. A. Bazila Banu Professor & HoD Computer Science and Business System	Member	
18	Dr. J. Indra Professor & HoD Electronics and Communication Engineering	Member	
19	Dr. K. Mohanasundaram Professor & HoD Electrical and Electronics Engineering	Member	
20	Dr. T. Sivakumar Associate Professor & HoD Information Technology	Member	
21	Dr. S. Ramesh Babu Professor & HoD Mechanical Engineering	Member	
22	Dr. R. Kiruba Shankar Professor & HoD Mechatronics Engineering	Member	

23	Dr. M. Hema Associate Professor & HoD Science & Humanities	Member	
24	Dr. K. Karthikeyan Professor & HoD Mathematics	Member	
25	Dr. S.Ananth Professor & HoD Physics	Member	
26	Dr. M.S. Karthikeyan Professor & HoD Chemistry	Member	
27	Dr. T. Jayasudha Assistant Professor (Sl.G) & HoD English	Member	
28	Dr. M. Kathirvelu Director, Planning and Development	Senior Faculty	
29	Dr. U. S. Ragupathy Director, Quality Assurance	Senior Faculty	
30	Dr. R. Maheswar Director i/c / CFRD	Senior Faculty	
31	Dr. D. Venugopal Professor, Electronics and Communication Engineering	Senior Faculty	
32	Dr. D. Sharmila Professor, Electronics and Communication Engineering	Controller of Examinations	
33	Dr A Balamurugan Director, Centre for Academic Courses	Member Secretary	

The Industry Expert members Mr. D. Suresh, Centre Head, Spark MINDA Technical Centre (SMIT), Pune, Mr. Prem Narayanan, Engineering Manager, GCP, Google India Pvt Ltd, Hyderabad and an Academic Expert member Dr. P. Ramkumar, Associate Professor, Department of Mechanical Engineering, IIT Madras, could not attend the meeting due to their prior commitments and unavoidable circumstances.

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Draft - Minutes of the 9th Academic Council Meeting held on 05.01.2024:

Dr. M. Ramasamy, Chairman of the Academic Council Welcomed the members. He briefly explained the salient features and development of the institute. The Institute Vision and Mission were disseminated.

Further he outlined the various agenda points to be presented in the meeting.

1. Institute's accomplishments and facilities

The Chairman of the Academic Council presented the Institute's accomplishments and available facilities. The key topics discussed during the meeting include:

- Vision and Mission of the Institute
- Staff and Students details
- Admission details
- Scholarship details
- Visiting professors details
- Students performance
  - Placement details
  - Higher studies
- Research and Development
- Notable achievements
- Foreign University collaborations

2. Confirmation of the minutes of 8th Academic Council Meeting and matters arising

The Academic council members confirmed the minutes of the 8th academic council meeting held on 19.05.2023.

3. Action taken on the minutes of the 8th Academic Council Meeting:

The minutes of the 8th Academic Council Meeting and the action taken thereon were approved.

S. No.	Minutes of 8th ACM	Action taken
1.	Suggested to provide the pass percentage of students, Admission Rank, Foreign University associations, and details of visiting professors	Presented
2.	Advised to include the details of students pursuing higher studies in the next ACM.	Presented

Matters Arising:

- ✓ Mr. R. Balasubramanian and Dr. Arun Kumar Kaushik suggested to provide detailed outcomes of collaborations with foreign universities.
- ✓ Dr. P. Sathiya requested the inclusion of the QS ranking of foreign universities where the students shall pursue their higher studies, in the next ACM.

4. Amendments in Regulations 2021 (UG Programme)

- The Chairman presented the following amendments in Regulations 2021 under clause 12.

  When a student is deputed for a National / International sports event or NCC camp during end semester examination period, special examinations shall be conducted within a reasonable period for such student after returning from the event or camp. Such an appearance shall be considered as first appearance.

- Members reviewed and approved the same and suggested to have a standard operating procedure for conducting the special examinations to maintain the quality of examinations and follow the same in the forthcoming semesters.

5. Proposal for increase in intake in the existing courses and introduction of MBA programme

- The Chairman presented the details of the proposal for the increase in intake of the existing U.G Programmes and introduction of MBA programme.

  a) Increase in intake in U.G Programme:

B.E. - Computer Science and Engineering	:180 to 240
B.E. - Electronics and Communication Engineering	:120 to 180
B.Tech. – Information Technology	: 60 to 120
B.Tech. – Artificial Intelligence and Data Science	: 60 to 120

  b) New PG Programme:

  Master of Business Administration (MBA) : 60

- Members of the council recommended the above proposal and same shall be placed in the Governing Body for approval.

6. AICTE Approval for running courses in Engineering and Technology (Degree) for Working Professionals

The Chairman of the council informed the members about the approval of the following 3 - years courses to be offered to the working professionals in a flexible mode.

(AICTE approval letter Number: F.No. Southern /1-2828971/2023/LoA_WO, dated 17.10.2023)

Sl. No	Course	Intake	Level
1	Mechanical Engineering (Industry Integrated)	30	UG
2	Civil Engineering (Construction Technology)	30	UG
3	Electrical and Computer Engineering	30	UG

7. Presentation by Chairpersons of various Board of Studies

Board of Studies meeting was conducted for various programmes in hybrid mode as mentioned below:

Sl. No	Name of the Board	Meeting Number	Date of the meeting
1	Artificial Intelligence and Data Science	08	22.11.2023
2	Biomedical Engineering	09	22.11.2023
3	Chemical Engineering	09	23.11.2023
4	Civil Engineering	10	23.11.2023
5	Computer Science and Engineering	10	22.11.2023
6	Computer Science and Engineering (AI & ML)	04	23.11.2023
7	Computer Science and Business Systems	04	23.11.2023
8	Electronics and Communication Engineering	10	28.11.2023
9	Electrical and Electronics Engineering	09	24.11.2023
10	Information Technology	04	23.11.2023
11	Mechanical Engineering	10	21.11.2023
12	Mechatronics Engineering	04	25.11.2023
13	Science and Humanities	09	27.11.2023

The 9th Standing Committee Meeting was held on 02.01.2024 at The Legend. The Standing Committee reviewed the recommendations of the above Boards of Studies presented by the respective chairperson and forwarded the same to the academic council for approval.

Chairpersons of various boards presented the following recommendations:

Dr. S. V. Sudha, Chairperson, Artificial Intelligence and Data Science, moved the following items recommended by the Board of Studies in Artificial Intelligence and Data Science.

- ✓ The inclusion of "U21ADP09 Comprehension-I" and "U21ADP10 Comprehension-II" in Professional Electives under Regulations 2021
- ✓ The inclusion of an Open Elective "U21ADX08 – Natural Language Processing" and to include Speech Processing and Sentimental Analysis topics in the Course under Regulations 2021

Dr. D. Ganeshkumar, Chairperson, Biomedical Engineering, moved the following items recommended by the Board of Studies in Biomedical Engineering:

- ✓ The course U21BM603 - Biomechanics is to be considered as Practical component instead of Project component under Regulations 2021.
- ✓ The course U21BM703 - Rehabilitation Engineering is to be split into U21BM703 - Rehabilitation Engineering as theory course and U21BM705 Rehabilitation Laboratory as laboratory course under Regulations 2021.
- ✓ Based on the above modifications, the total credits for semester VI and VII will be 21 and 24, respectively, instead of 22 and 23.
- ✓ The inclusion of Open Elective U21BMX06 – Telemedicine under Regulations 2021.
- ✓ The following courses are recommended for Ph.D scholars:
  - P23BMP01 - Explainable AI (XAI) In Healthcare
  - P23BMP02 - Bioelectronics and Biosensors
  - P23BMP03 - Nanobiomaterials for Biomedical Applications
  - P23BMP04 - Applied Medical Image Processing
  - P23BMP05 - Research Methodology for Biomedical Engineering

Dr. S. Balasubramanian, Chairperson, Chemical Engineering, moved the following item recommended by the Board of Studies in Chemical Engineering:

- ✓ The inclusion of Open Elective U21CHX06 – Membrane Technology under Regulations 2021.

Dr. G. Anusha, Chairperson, Civil Engineering, moved the following items recommended by the Board of Studies in Civil Engineering:

- ✓ The inclusion of "U21CEX08 - E Waste Management" as Open elective course under Regulations 2021.
- ✓ The inclusion of U21CEP40 - Comprehension I, U21CEP41 - Comprehension II courses in Professional Electives under Regulations 2021.
- ✓ B.E - Civil Engineering (Construction Technology) for Working Professionals (3 – Years Programme) – Curriculum Structure was presented.

Dr. R. Devipriya, Chairperson, Computer Science and Engineering, moved the following items recommended by the Board of Studies in Computer Science and Engineering:

- ✓ The inclusion of Unity concepts in Unit - III of the open elective course U21CSX06 - Foundations of AR/VR in Regulations 2021.
- ✓ The inclusion of "U21CSP17 - Comprehension I" and "U21CSP18 - Comprehension II" courses under Professional Electives in Regulations 2021.

Dr. S. Karthikeyan, Chairperson, Computer Science and Engineering (AI&ML), moved the following items recommended by the Board of Studies in Computer Science and Engineering (AI&ML):

- ✓ The inclusion of new courses " U21AM402 – Algorithmics" and "U21AM404 – Algorithmics Lab" in semester IV in lieu of U21AM402 – Cloud and Big Data Processing.

- ✓ The inclusion of "U21AM702 - Cloud and Big Data Analytics" in VII semester in lieu of U21AM702 – Reinforcement Learning.
- ✓ The inclusion of a course U21AMP08 - Text and Visual Analytics in Professional Elective Vertical (Artificial Intelligence and Machine Learning)
- ✓ The inclusion of topics on emerging technologies such as Generative AI, Large Language Models (LLM), and MultiLLMs in the curriculum in U21AM701 – Deep Learning II (Unit V) .
- ✓ Syllabi for semesters V to VIII under Regulations 2021 were presented.

Dr. A. Bazila Banu, Chairperson, Computer Science and Business Systems, moved the following items recommended by the Board of Studies in Computer Science and Business System:

- ✓ The inclusion of courses U21CB601 - Digital Marketing and Analytics, U21CB602 - Business Intelligence and U21CB603 - Open-Source Tools Laboratory in lieu of U21CB601 - Business Analytics, U21CB602 - Compiler Design and U21CB603 - Business Analytics Laboratory in VI semester
- ✓ The inclusion of courses U21ITG02 - Information Security, U21CB702 - Internet of Things and U21ITG03 - Information Security Laboratory in lieu of U21CB702 - Malware Analysis, U21ECG06 - Embedded Systems and U21ECG07 - Internet of Things and Embedded Systems and IoT Laboratory in VII semester
- ✓ Syllabi for semesters V to VIII under Regulations 2021 were presented.

Dr. J. Indra, Chairperson, Electronics and Communication Engineering, moved the following items recommended by the Board of Studies in Electronics and Communication Engineering:

- ✓ The inclusion of U21ECX08 – Fundamentals of VLSI Technology in Open Electives under Regulations 2021.
- ✓ The inclusion of Machine Learning concepts in the course "U21AMG01 – Artificial Intelligence" and modify the course title as "U21AMG01 – Artificial Intelligence and Machine Learning" under Regulations 2021 and amended the syllabus.

Dr. K. Mohanasundaram, Chairperson, Electrical and Electronics Engineering, moved the following items recommended by the Board of Studies in Electrical and Electronics Engineering:

- ✓ The inclusion of U21EEX08 – Energy Audit in Open Electives under Regulations 2021.
- ✓ B.E. - Electrical and Computer Engineering for Working Professionals (3 – Years Programme) – Curriculum Structure was presented.
- ✓ The Courses for Ph.D scholars:
  - P23EEP01 - Modelling and Optimization of Energy Systems
  - P23EEP02 - Smart Grid Operation and Planning
  - P23EEP03 - EV Charging Infrastructure
  - P23EEP04 - Solar Energy and Utilization

Dr. T. Sivakumar, Chairperson, Information Technology, moved the following item recommended by the Board of Studies in Information Technology:

- ✓ Syllabi for semesters V to VIII under Regulations 2021 were presented.

Dr. S. Ramesh Babu, Chairperson, Mechanical Engineering, moved the following item recommended by the Board of Studies in Mechanical Engineering:

- ✓ B.E. Mechanical Engineering (Industry Integrated) for Working Professionals (3 – Years Programme) – Curriculum Structure was presented.

Dr. R. Kiruba Shankar, Chairperson, Mechatronics Engineering, moved the following recommended by the Board of Studies in Mechatronics Engineering.

- ✓ Syllabi for V to VIII semesters and Professional Elective courses were presented.

Dr. M. Hema, Chairperson, Science & Humanities, moved the following item recommended by the Board of Studies in Science & Humanities.

- ✓ The inclusion of courses U21GEX01 - Indian Culture, Ethics and Yoga, U21GEX02 - Vedic Mathematics, U21GEX03 - Indian Folklore, Stage and Drama, and U21GEX04 - Indian Food, Agriculture and Architecture in Open Elective Courses under Regulations 2021.

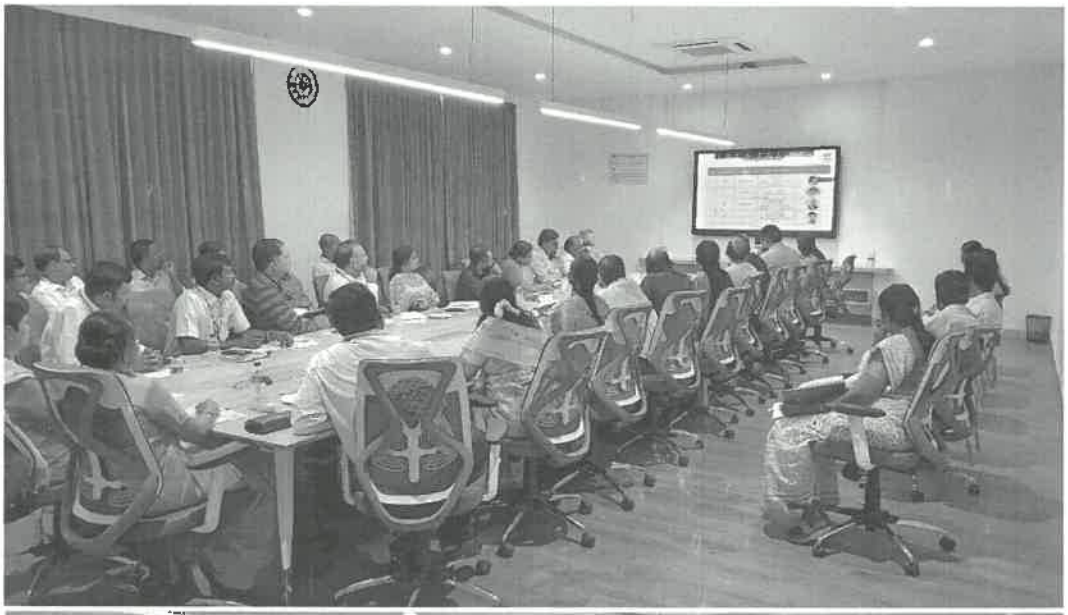
Members of the council reviewed and approved the recommendations of various boards.

8. Any other matters

- ➢ Dr. C. Santhi inquired about the honours Degree, the Chairman of the Academic Council provided a detailed explanation about honours and honours with specializations and minor degrees.
- ➢ Dr. P. Sathiya sought information on the verticals offered by the BME department. Dr. D. Ganeshkumar, Chairperson of BME, explained the various verticals offered.
- ➢ Dr. P. Sathiya suggested including AI courses related to Biomedical Engineering and Mechanical Engineering for AIML students.
- ➢ Dr. P. Sathiya inquired about the availability of Data Science and Data Analytics courses in the ECE curriculum. Dr. J. Indra, Chairperson of ECE, provided details.
- ➢ Dr. P. Sathiya suggested adding Tamil courses, Heritage of Tamils, and Tamil and Technology to the curriculum of B.E. Mechanical Engineering (Industry Integrated).
- ➢ Dr. Vijay Natarajan commended the KPRIET scholarship and the curriculum changes. He inquired about the feedback mechanism, and the Chairman of the council explained about course-end survey and Alumni meet. He suggested conducting an exit interview with the students; which will help to improve the institution growth.
- ➢ Dr. V. Manikandan suggested including details of faculty members attending FDP and STTP in the next ACM.
- ➢ Dr. V. Manikandan suggested appointing Professor of Practice for various courses.
- ➢ Mr. B. Vivek suggested incorporating a Research Methodology subject in all UG programs as an Open Elective and recommended a drone survey for Civil Engineering students. The Chairperson of Civil Engineering provided the details of the one-credit course offered on drone survey.

9. Closing Remarks

Finally, Dr. M. Ramasamy, Chairman of Academic Council thanked all the members for their fruitful discussion and valuable suggestions and the meeting came to an end.





13.01.2024

Prepared by

Dr. A. Balamurugan,

Member Secretory

13/01/2024

Approved by

Dr. M. Ramasamy

Chairman